पेटेंट कार्यालय शासकीय जर्नल

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पेटंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

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

(Om Prakash Gupta) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

27TH NOVEMBER, 2015

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THE PATENT OFFICE KOLKATA, 27/11/2015

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	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		Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in
3	The Patent Office,		Rest of India
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	Plot No. 32., Sector-14, Dwarka,		
	New Delhi – 110075		
	Phone: (91)(11) 2808 1921 – 25		
	Fax: (91)(11) 2808 1920 & 2808 1940		
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	Chandigarh.		
	Chanuigain.		

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

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पेटेंट कार्यालय

कोलकाता, दिनांक 27/11/2015

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एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdtm@nic.in एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गाया चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फ़ैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in	50
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ई. मेल: cgpdtm@nic.in फ़ैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in	_
ई. मेल: chennai-patent@nic.in	_
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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.	
फ़ैक्स: (91) (22) 24130387 फोन: (91)(33) 2367 1943/44/45/46/87	
ई. मेल: Mumbai-patent@nic.in फ़ैक्स:/Fax: (91)(33) 2367 1988	
• गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, ई. मेल: kolkata-patent@nic.in	
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 भारत का अवशेष क्षेत्र 	
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प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.	
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फ़ैक्सः (91)(11) 2808 1920, 2808 1940	
ई. मेल: delhi-patent@nic.in	
हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,राजस्थान,	
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Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

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

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

SPECIAL NOTICE

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.3411/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :25/11/2014

(43) Publication Date: 27/11/2015

(54) Title of the invention: SMARTPHONE COMPATABLE VIDEO LARYNGOSCOPE.

 (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 	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)KANTI SINGH Address of Applicant: TYPE 4/102, NEW CAMPUS, S.G.P.G.I.M.S, LUCKNOW-226014 Uttar Pradesh India (72)Name of Inventor: 1)ASHISH KUMAR KANNAUJIA 2)KANTI SINGH
 (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	2)KANTI SINGH

(57) Abstract:

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

(22) Date of filing of Application :28/03/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: DIRECT FORGE QUENCHING APPARATUS AND METHOD THEREFOR

(51) International classification	:B21K1/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Kalyani Forge Limited
(32) Priority Date	:NA	Address of Applicant :Gat No 611/12, 13, 14, Koregaon
(33) Name of priority country	:NA	Bhima, Tehsil- Shirur, Dist- Pune - 412216, Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Priyanshu Bajaj
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Disclosed are a direct forge quenching apparatus (100) and a method therefor. The direct forge quenching apparatus (100) comprises a first conveyer, an equalization zone (20), a temperature sensitive accept-reject zone (30), a slider (40), a quenching tank (50) and a second conveyer (60). The direct forge quenching apparatus (100) and the method allow an online continuous process wherein the residual heat of the hot jobs is utilised to perform the heat treatment, thus reducing process time, costs and carbon dioxide emission and improving uniformity and repeatability of the heat treatment. The method involves subjecting the jobs to three different levels of agitation intensities thereby making the jobs less prone to breakage and distortion. Figure 1

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

(21) Application No.3226/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/11/2015 (43) Publication Date: 27/11/2015

(54) Title of the invention: METHODS FOR AUDIO ENCODING AND DECODING CORRESPONDING COMPUTER READABLE MEDIA AND CORRESPONDING AUDIO ENCODER AND DECODER

(51) International :G10L19/008,G10L19/20,H04S7/00

classification

(31) Priority Document No :61/827288 (32) Priority Date :24/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2014/060728

No :23/05/2014 Filing Date

(87) International Publication: WO 2014/187987

(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)DOLBY INTERNATIONAL AB

Address of Applicant : Apollo Building 3E Herikerbergweg 1

35 NL 1101 CN Amsterdam Netherlands

(72) Name of Inventor: 1)PURNHAGEN Heiko 2) VILLEMOES Lars

3)SAMUELSSON Leif Jonas

4)HIRVONEN Toni

The present disclosure provides methods devices and computer program products which provide less complex and more flexible control of the introduced decorrelation in an audio coding system. According to the disclosure this is achieved by calculating and using two weighting factors one for an approximated audio object and one for a decorrelated audio object for introduction of decorrelation of audio objects in the audio coding system.

No. of Pages: 33 No. of Claims: 28

(22) Date of filing of Application :16/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: EFFICIENT CODING OF AUDIO SCENES COMPRISING AUDIO OBJECTS

 (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 	:23/05/2014 :WO 2014/187991 :NA :NA	(71)Name of Applicant: 1)DOLBY INTERNATIONAL AB Address of Applicant: Apollo Building 3E Herikerbergweg 1 35 NL 1101 CN Amsterdam Netherlands (72)Name of Inventor: 1)PURNHAGEN Heiko 2)KJOERLING Kristofer 3)HIRVONEN Toni 4)VILLEMOES Lars 5)BREEBAART Dirk Jeroen
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

There is provided encoding and decoding methods for encoding and decoding of object based audio. An exemplary encoding method includes inter alia calculating M downmix signals by forming combinations of N audio objects wherein M=N and calculating parameters which allow reconstruction of a set of audio objects formed on basis of the N audio objects from the M downmix signals. The calculation of the M downmix signals is made according to a criterion which is independent of any loudspeaker configuration.

No. of Pages: 68 No. of Claims: 26

(22) Date of filing of Application :28/09/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: DISCARDING DEFECTIVE LABEL

(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 (89) International Publication No :NA (89) International Publication No :NA (89) International Publication No :NA (80) International Publication No :NA (81) Patent of Addition to Application Number :NA Filing Date :NA	Address of Applicant :18 AARYAVART - 2 BUNGLOWS, OPP. AUDA GARDEN PRAHALADNAGAR, VEJALPUR, AHMEDABAD 380051, GUJARAT Gujarat India 2)MR.NIRAV JAYANTILAL MEVADA (72)Name of Inventor:
(62) Divisional to Application Number :NA Filing Date :NA	

(57) Abstract:

In accordance with an aspect of the present invention, an apparatus to discard defective label form a labeling machine is provided. The invention includes a label path to move a label web containing a plurality of labels from an origin station to a destination station. The invention then includes an inspection unit to detect the defective labels from the plurality of labels in the label path. The invention also includes a defective label discarding unit configured to discard the defective labels from the label path. The invention further includes, a collecting unit to collect the plurality of defective labels. The invention then includes, a labeling unit configured to label the good label in a required product and a processor to synchronize the label path, the inspection unit, the defective label discarding unit, the collecting unit and the labeling unit.

No. of Pages: 49 No. of Claims: 10

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : ALL SIDE MULTIPLE FANS MECHANISM TO TEST WIND TURBINE MODEL UNDER TURBULENT CONDITION.

		(71)Name of Applicant:
(51) International classification	7/00,	1)DATTA SAMPATRAO CHAVAN
(51) International classification	F03D	Address of Applicant :AMRUT KAILASH NAGRI, C-203,
	1/00	SNO.34/13A, AMBEGAON BUDRUK, BEHIND BHARTI
(31) Priority Document No	:NA	VIDYAPEETH, KATRAJ, PUNE-411 046, MAHARASHTRA,
(32) Priority Date	:NA	INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PARSHURAM BALWANT KARANDIKAR
Filing Date	:NA	2)RAJESH GIRI
(87) International Publication No	: NA	3)PUNEET SINGH THAKUR
(61) Patent of Addition to Application Number	:NA	4)ABHISHEK PANDA
Filing Date	:NA	5)YUVRAJ SINGH
(62) Divisional to Application Number	:NA	6)PRERIT BHATNAGAR
Filing Date	:NA	7)ATHUL RAJ

(57) Abstract:

This invention is related to the production of artificial turbulence in the test setup. In this test setup the impact of turbulence intensity on the flicker initiated in the wind turbine output can be studied. In this test setup the blower fans are fitted on all sides of the test setup. The speed of each fan can be controlled with help of a speed regulator. The wind turbine model is kept in the test setup. The desired blower fans are started. The speed of the wind turbine is measured with help of the anemometer provided. The direction of the wind can be observed with help of the smoke gun provided. The output voltage waveform can be observed on the digital storage oscilloscope. The impact of turbulence on the flicker initiated in the turbine output voltage can be observed. Swiveling wheels are provided to the test setup so the test setup is mobile and can be moved easily in the laboratory.

No. of Pages: 12 No. of Claims: 4

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: PHOTOELECTROCHEMICAL APPLICATION OF NANOCRYSTALLINE CD0.5FE0.5S THIN FILMS GROWN BY SPRAY PYROLYSIS TECHNIQUE ON ALUMINIUM SUBSTRATE

	:C01B	(71)Name of Applicant:
(51) International classification	17/00,	1)Dr. Syed Ghause Ibrahim Syed Shakil Ibrahim
	B82Y40/00,	Address of Applicant : Assistant Professor First year
(31) Priority Document No	:NA	Department, Prof Ram Meghe College of Engineering and
(32) Priority Date	:NA	Management, Badnera-Amravati, Pin-444701 Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Dr. Syed Ghause Ibrahim Syed Shakil Ibrahim
Filing Date	:NA	2)Dr. Ashok Uddhav Ubale
(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:

ABSTRACT Recently nanocrystalline ternary chalcogenide semiconductor thin films are attracting research community due to their potential applications in various types of optoelectronic devices such as solar cells, sensors and laser materials etc. Nano crystalline Cd0.5Fe0.5S thin films were deposited by spray pyrolysis method onto aluminium substrates. The structural and morphological properties of the films were characterized by X-ray diffraction (XRD) and scanning electron microscopy analysis (SEM). The XRD study revealed that the films are nanocrystalline in nature with hexagonal phase. The photoelectrochemical study revealed that Cd0.5Fe0.5S thin films deposited on aluminium substrate exhibits good fill factor (FF) and efficiency () which may be due to its porous nature. Following invention is described in detail with the help of Figure 1 of sheet 1 showing currentvoltage (IV) in dark and under illumination, Figure 2 of sheet 1 showing photovoltaic output characteristics of Cd0.5Fe0.5S thin lms, Figure 3 of sheet 2 showing rise and decay curve for Cd0.5Fe0.5S thin lms and Figure 4 of sheet 2 showing the plot of log VOC against log t.

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

(22) Date of filing of Application :28/09/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: STATIC GUIDE ROLLER WITH MOVABLE PLATE

(51) International classification(31) Priority Document No	:B65H 23/188 :NA	(71)Name of Applicant: 1)MR.MAHESHKUMAR JAYANTILAL MEVADA Address of Applicant: 18 AARYAVART - 2 BUNGLOWS,
(32) Priority Date	:NA	OPP. AUDA GARDEN PRAHALADNAGAR, VEJALPUR,
(33) Name of priority country	:NA	AHMEDABAD 380 051 Gujarat India
(86) International Application No	:NA	2)MR.NIRAV JAYANTILAL MEVADA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR.MAHESHKUMAR JAYANTILAL MEVADA
(61) Patent of Addition to Application Number	:NA	2)MR.NIRAV JAYANTILAL MEVADA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

In accordance with an aspect of the present invention, apparatus to create mechanical pressure on a web in a machine is provided. The invention includes a static guide roller placed in a web path of a machine. In an embodiment the web path can be, for a non-limiting example, a labeling web path or a printing web path. The invention also includes a movable plate placed inside the static guide roller. In a preferred embodiment, the movable plate is configured to either move out of the static guide roller or move inside the static guide roller. The invention further includes, a push-pull mechanism to either push the movable plate out of the static guide roller or to pull the movable plates inside the static guide roller. In an embodiment, the movable plate is configured to create an angular motion of the web path so as to achieve a mechanical pressure to the web path.

No. of Pages: 19 No. of Claims: 6

(22) Date of filing of Application :04/05/2015

(43) Publication Date: 27/11/2015

(54) Title of the invention : A FREEZE DRIED PHARMACEUTICAL FORMULATION OF RIFABUTIN AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:A61K31/435, A61K31/438	(71)Name of Applicant: 1)GUFIC BIOSCIENCES LIMITED
(31) Priority Document No	:NA	Address of Applicant :N.H.No.8, Near Grid, Kabilpore 396
(32) Priority Date	:NA	424, Navsari, Gujarat India. Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PATEL, Mitesh Natavarlal
Filing Date	:NA	2)DAVE, Mafatlal Tribhovandas
(87) International Publication No	: NA	3)CHOKSI, Pranavkumar Jayesh
(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 herein a freeze dried pharmaceutical formulation of Rifabutin along with a suitable solubilizing agent and Bulking agent for parenteral administration which provides sufficient solubilization and stabilization of Rifabutin thus improving the shelf life and reduces the likelihood of precipitation during storage. The invention further discloses a process of preparation of said pharmaceutical formulation.

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

(22) Date of filing of Application :06/11/2015

(43) Publication Date: 27/11/2015

(54) Title of the invention: FASTENER GRIP LENGTH MEASUREMENT APPARATUS

(57) Abstract:

An apparatus for establishing the grip length of a hole extending through a stack of panels so that a fastener of appropriate length can be selected for insertion into the hole. A elliptical rod with markings is inserted into the hole and the markings indicating the required length of fastener.

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

(21) Application No.5291/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: A HYBRID SEPARATOR.

(51) International classification	:B03B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BASAVAREDDY, Babu
(32) Priority Date	:NA	Address of Applicant :S/o Basavareddy; Thammenahalli
(33) Name of priority country	:NA	(village & post); Molakalmur(TQ.); Chitradurge(Dist.);
(86) International Application No	:NA	Karnataka, India. PIN: 577540. Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BASAVAREDDY, Babu
(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 is directed to provide a hybrid separator and more specifically a Dual Stage Dynamic Separator that performs the separation of ore minerals at two stages to yield three-products as overflow, middling and underflow. The input feed size can be up to 10mm either in dry or pulp form. The apparatus comprises a feed hopper, concentric chamber and vibro discharger wherein the separation is based on the size and specific gravity differences of minerals under prevailing vibration profiles. The frequency of vibration and amplitude of vibration significantly controls equipment performance. In the concentric chamber primary classification happens under turbulent and vibration profiles and secondary classification takes place by means of free settling in the outer launder. The water and compressed air are driving force for the separation of minerals under vibrating profiles. Importantly, the apparatus can be operated in three different versions either as classifier or gravity concentrator or two in one. (Figure 2)

No. of Pages: 55 No. of Claims: 30

(21) Application No.6001/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : DISPERSION OF NANOPARTICLES INTO BINDER & PLASTICIZER MATRIX AND ITS PROCESS THEREOF

(51) International classification	:B01F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DIRECTOR
(32) Priority Date	:NA	Address of Applicant :NATIONAL INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, WARANGAL 506 004, Telangana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SONAWANE SHRISH HARI
(87) International Publication No	: NA	2)SHABANA SHAIK
(61) Patent of Addition to Application Number	:NA	3)SRINATH SURANANI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present application relates to design sophisticated equipment and to develop a methodology for dispersion of solid particles in thick viscous fluid using hydrodynamic cavitation technique. Investigations also provide a homogeneous dispersed solution in large scale at very cost efficient manner for a specified (formulations of dispersed ratios) applications.

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

(21) Application No.6118/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :13/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : A MONITORING DEVICE AND A METHOD OF MONITORING DRUG ADHERENCE IN A CLINICAL TRIAL

(51) International allows (5 and an	COCE	(71)Nove of April 2004
(51) International classification		(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. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VINOD PATHANGAY
(87) International Publication No	: NA	2)SANTHOSH KUMAR MADATHIL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure relates to a monitoring device and a method of monitoring drug adherence in a clinical trial. In one embodiment, the monitoring device determines that an authenticated user has consumed the medication comprising the drug and further determines that the authenticated user who has consumed the drug is associated with the corresponding monitoring device. Furthermore, the monitoring device determines that the drug has successfully passed through gastrointestinal (GI) tract of the authenticated user based on analysis of biometric signatures of the GI tract. Based on the determination of valid proximity and successful passing of the medication within the GI tract of the authenticated user, the monitoring device reports that the drug adherence by the user is successful. Thus, the disclosed method and the monitoring device determine that only authenticated user has consumed the medication and not just if the medication has been taken by any person. FIG. 3

No. of Pages: 33 No. of Claims: 13

(21) Application No.6134/CHE/2015 A

(19) INDIA

(22) Date of filing of Application: 13/11/2015 (43) Publication Date: 27/11/2015

(54) Title of the invention : A METHOD FOR MONITORING BEHAVIOUR OF A PATIENT IN REAL-TIME USING PATIENT MONITORING DEVICE

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUMANTA LAHA
(87) International Publication No	: NA	2)SREEVIDYA KHATRAVATH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure relates to a method for monitoring behaviour of a patient in real-time. The method comprises receiving, by a patient monitoring device, data related to the patient from one or more sources. Thereafter, the patient monitoring device classifies the received data into one or more categories based on one or more rules. Further, the patient monitoring device correlates the categorized data to identify one or more activity patterns corresponding to the patient, wherein each of the one or more activity patterns are associated with an activity performed by the patient at predefined time intervals. The patient monitoring devices compares the activity pattern with predefined activity patterns and detects abnormal behaviour of the patient if the identified activity pattern is different from one or more predefined activity patterns corresponding to the patient. Fig.1

No. of Pages: 35 No. of Claims: 21

(21) Application No.5985/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : A METHOD OF MODIFYING A VLSI LAYOUT FOR YIELD AND/OR PERFORMANCE OPTIMIZATION

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DEIVAKANI MAYAKRISHNAN
(32) Priority Date	:NA	Address of Applicant :NO.12-8-13 F,C.S.I CHURCH
(33) Name of priority country	:NA	STREET, NILAKOTTAI - 624 208, DINDIGUL (DIST). Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DEIVAKANI MAYAKRISHNAN
(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 modifying a VLSI layout for yield and/or performance optimization, comprising: defining a revised set of ground rules for a plurality of original device shapes to be modified, wherein the revised set of ground rules are based on one or more performance and/or yield improvements to be achieved over an existing design, flattening said plurality of original device shapes to a prime cell once the revised set of ground rules are defined, performing a layout optimization operation on said flattened device shapes, based on said revised set of ground rules, so. as to create a plurality of revised device shapes; and creating an overlay cell from a difference between said revised device shapes and said original device shapes.

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

(21) Application No.6098/CHE/2015 A

(19) INDIA

(22) Date of filing of Application: 12/11/2015 (43) Publication Date: 27/11/2015

(54) Title of the invention: DRUNKEN DRIVER IDENTIFICATION DETECTOR

(51) International classification(31) Priority Document No(32) Priority Date	:B60K :NA :NA	(71)Name of Applicant: 1)DR.PALANISAMY SIVAPRAKASH Address of Applicant:#6A, THANNEER PANDAL STREET,
(33) Name of priority country		BHARATHIAR UNIVERSITY POST, COIMBATORE - 641
(86) International Application No	:NA	046, Tamil Nadu India
Filing Date	:NA	2)MR.SEBASTIAN JOSEPH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR.PALANISAMY SIVAPRAKASH
Filing Date	:NA	2)MR.SEBASTIAN JOSEPH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

To reduce the death rates in road accidents by the (majority) lorry/ truck drivers. This drunken driver identification detector intended to prevent a driver from using a motor vehicle (Specially 4 wheelers/Trucks) under the influence of a chamber from activating a vehicles starting mechanism with the aid of the drivers starter unit, the drunken driver identification detector device comprising of the chamber is an alcohol sensor which produce voltage signals. Voltage signal is given to the micro controller which is already programmed in our needs. The control circuit includes alarm and the relay for opening the ignition circuit of the vehicle. A sample of driver breath is directed to chamber contains chemical granules which react with the alcohol fumes exothermally. When the alcohol is detected the alarm is emerged and relay opens the ignition circuit of the vehicle cannot be started.

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

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: PROCESS FOR THE FABRICATION OF DYE ABSORBING MEDIUM

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:D06M :NA :NA :NA	(71)Name of Applicant: 1)ARYA PARVATHY C Address of Applicant: KARAKKATTU PUTHEN VEEDU, KUNNATHOOR EAST PO, KUNNATHOOR, KOLLAM - 690
(86) International Application No	:NA	540, Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ARYA PARVATHY C
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A process for the fabrication of dye absorbing medium is disclosed. In said process, a viscose-polyester fabric substrate is treated with a cationizing agent, followed by padding at desired pressure, wherein said fabric is further passed over a first set of heated rollers set at a temperature in the range 30°C to 50°C for 5-10 minutes, followed by passing it over another set of rollers set at a temperature range of 110°C - 130°C for 3 - 7 minutes. The thus heat treated fabric is then passed through an acidic solution, wherein the emerging fabric is again padded at 150-250 PSI and subsequently, further heat treated at a temperature range of 100°C - 105°C for 5-10 minutes. The resultant fabric is positively charged and is capable of attracting negatively charged dye constituents present in a washing solution. FIG1

No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :16/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : ANTICANCER POTENTIAL OF 11-HYDROXY 12-METHOXY DIHYDRO KAWAIN FROM PIPER BETLE L. LEAVES

(51) International classification	:C07K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. B. SEETHA LAKSHMI
(32) Priority Date	:NA	Address of Applicant :GF-3, Haritha Classic Apts, Near
(33) Name of priority country	:NA	Kanaka Durga Nursing Home Road, ZP JN, Krishna Nagar,
(86) International Application No	:NA	Maharanipeta, Visakhapatnam 530002, Andhra Pradesh, India.
Filing Date	:NA	Andhra Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Dr. B. SEETHA LAKSHMI
Filing Date	:NA	2)Prof. K.CHANDRA SEKHAR NAIDU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a medicinal composition comprising an extract from Piper betle Cv. Kapoori (Tuni) from East Godavari, A.P. The extract is a bioactive compound, 11-hydroxy-12-methoxy dihydro Kawain and is therapeutically effective against a human breast cancer cell line (MCF-7 cell line). The bioactive compound, 11-hydroxy-12-methoxy dihydro Kawain was isolated and identified from chloroform extract of leaves with petioles. P. betle Cv. Kapoori (Tuni) is established as a new source of 11-hydroxy-12-methoxy dihydro Kawain in the present disclosure. Based on the comparative inhibitory studies on the growth of MCF-7 cells employing standard drug, Tamoxifen, 11-hydroxy-12-methoxy dihydro Kawain was observed to be a potent inhibitor of cell growth. As per the invention disclosure, among the seven specific apoptotic gene expression studied by RT PCR, the genes Bcl-2/Bak1 and Bcl-2/Bax were found to be expressed predominantly when compared to other genes. ItTMs revealed that mitochondrial apoptosis is proposed as an underlying intrinsic pathway in 11-hydroxy-12-methoxy dihydro Kawain induced cell death of MCF-7 cell lines. Caspase 3 is the crucial mediator which causes cellular apoptosis by a frequently activated death protease, catalyzing the specific cleavage of many key cellular proteins. Pathways to caspase-3 activation have been identified. These can be either dependent or independent of mitochondrial cytochrome c release, while caspase-9 function is apparent in anti-proliferative role mediated by 11-hydroxy-12-methoxy dihydro Kawain. Based on the results, it is proposed that Kawain compound may be exploited in cost effective novel drug development to treat human breast cancer in the present scenario

No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :27/10/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: ALUMINIUM COMPOSITE WITH METALLIC REINFORCEMENTS

	~~	
(51) International classification	:C22C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SIDDABATHULA MADHUSUDAN
(32) Priority Date	:NA	Address of Applicant :Flat # 912, 9th Block, Akash
(33) Name of priority country	:NA	Apartment, Lotus Landmark, Ayodhya Nagar, Vijayawada,
(86) International Application No	:NA	Krishna District, Andhra Pradesh, INDIA Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SIDDABATHULA MADHUSUDAN
(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 method of manufacturing reinforced aluminium metal matrix composite that comprises of melting metal matrix to form a molten solution and adding a preheated reinforcing material into the same. Further, the melt is continuously stirred to uniformly disperse reinforcing material into metal matrix that is later subjected to casting and solidification. More specifically, the present invention proposes a manufacturing a composite that can be secondary processed at much lower energy level than the alloy and the MMCs.

No. of Pages: 24 No. of Claims: 9

(22) Date of filing of Application :13/11/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: NEW BODY ARMOUR CONCEPT USING SEMI-SOLID STATE SHEAR THICKENING FLUIDS

(51) International classification	:C09K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)R.SESHAGIRI
(32) Priority Date	:NA	Address of Applicant :#65/2, ANNAI INDIRA STREET,
(33) Name of priority country	:NA	THIRUPATHY NAGAR EXTENSION, KOLATHUR,
(86) International Application No	:NA	CHENNAI - 600 099, Tamil Nadu India
Filing Date	:NA	2)G.VINOD VIVIAN
(87) International Publication No	: NA	3)ANNE MIRIAM ALEXANDER
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)R.SESHAGIRI
(62) Divisional to Application Number	:NA	2)G.VINOD VIVIAN
Filing Date	:NA	3)ANNE MIRIAM ALEXANDER

(57) Abstract:

Bullet proof vests, which are used for protection from projectiles, are made of KEVLAR ®. For protection from high impact projectiles, metal reinforcements are provided. Non-Newtonian fluids, which have varying viscosity property can be used for reinforcement with KEVLAR ®. Shear thickening fluids of the Non-Newtonian fluid type are analyzed. When these fluids are sandwiched in semi¬solid form between layers of KEVLAR ®, they are found to provide better protection than only KEVLAR ® armours. Use of fluids in semi-solid state provides better flexibility and the property of the fluids are fully utilized. When impact force is applied on the surface of the armours, they resist them, thus spreading the force over a wider area and reducing the chances of blunt trauma. The fluids are packed in polymer containers and sandwiched between KEVLAR ® layers for flexibility.

No. of Pages: 32 No. of Claims: 6

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: AUTO CLEAN PLASTIC WATER TANK

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(51) International classification	:C02F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)FRONTLINE POLYMERS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FRONTLINE POLYMERS PRIVATE
(33) Name of priority country	:NA	LIMITED, ZAINA SHOPPING COMPLEX, M G ROAD,
(86) International Application No	:NA	THRISSUR-680004 KERALA Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ALOYSIUS C. C
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Water, clean and 100% potable is a right of every citizen. In our country this facility is enjoyed by a minuscule of the population due to various reasons. The present invention will provide purified water for all needs (drinking and non-drinking usage). At present, a consumer uses a water purifier fixed at a particular point that in turn is connected to a distribution pipe. The water from the overhead tank flows into the outlet and from there the row water goes into the purifier units. Here in one can get purified water at that point only for drinking needs, whereas our potable water treatment cum storage system can be directly installed, replacing the existing overhead tanks and will take up the total purifying process inside these tanks thus ensuring clean and safe water throughout the building. The technology used in present invention will also ensure zero contamination of the stored water.

No. of Pages: 26 No. of Claims: 7

(21) Application No.5265/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A CONTROL SYSTEM FOR CONTROLLING MOTORS WITH FAN/PUMP AND DAMPERS IN HUMIDIFICATION, VENTILATION, AND AIR CONDITIONING SYSTEM

(51) International classification	·E24E	(71)Name of Applicant :
(31) Priority Document No	:NA	1)B.A. JOSEPH
		7
(32) Priority Date	:NA	Address of Applicant :NO A-4 GOLDEN NAGAR,
(33) Name of priority country		BHARATHIYAR UNIVERSITY POST, COIMBATORE 641
(86) International Application No	:NA	046, Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)B.A. JOSEPH
(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 controller system for controlling a fan/pump or group of fans / pumps driven by a motor or group of motors used for supply and exhaust/suction fans, pumps and providing a variable air volume system in a Humidification, Ventilation, and Air conditioning system comprising: An interface communication device-HMI for entering set point values for the micro controller/Processor to refer and compute its output; A micro controller/Processor, into which a plurality of signals from the sensors are inputted, for outputting an output signal to the inverter; The micro controller/Processor being connected to the inverter for outputting the signal for control lirig the speed of the motor offering step less variable frequency of voltage of a combination of both to reduce the consumption of power depending on the inputs from the pressure sensors, dust sensors, temperature sensors, Humidity sensors, Enthalpy sensors, individually or collectively.

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

(21) Application No.5506/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :14/10/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: STRUCTURAL INTEGRITY OF OFFSHORE STRUCTURES

(51) International classification	:F17C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AMET UNIVERSITY
(32) Priority Date	:NA	Address of Applicant: 135 East Coast Road, Kanathur 603
(33) Name of priority country	:NA	112 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Prof. Cdr. Prashant Kumar Singhal
(87) International Publication No	: NA	2)Yarabala Gopi Krishna
(61) Patent of Addition to Application Number	:NA	3)Himanshu Uppal
Filing Date	:NA	4)Ranjeet Verma
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention is directed towards structural integrity monitoring techniques used to monitor damage parameters relating to Offshore and Onshore structures.

No. of Pages: 17 No. of Claims: 1

(21) Application No.5507/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :15/10/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : GAS TUNGSTEN ARC WELDING USING REMOVABLE DAM TECHNIQUE FOR WELDING OF SODIUM PIPING TERMINAL JOINTS FOR 500MWEPROTOTYPE FAST BREEDER REACTOR

(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 :NA (62) Divisional to Application Number :NA	K (71)Name of Applicant: 1)AMET UNIVERSITY Address of Applicant:135 East Coast Road, Kanathur 603 112 Tamil Nadu India (72)Name of Inventor: 1)R.G.Rangasamy 2)Dr. Prabhat Kumar 3)Dr. N.Manoharan
Filing Date :NA	

⁽⁵⁷⁾ Abstract:

The present invention is directed towards a novel method for welding sodium piping terminal joints.

No. of Pages: 13 No. of Claims: 1

(21) Application No.5509/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :15/10/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : BACTERIOLOGICAL ANALYSIS OF ESBL PRODUCING GRAM NEGATIVE BACILLI FROM CLINICAL SAMPLES

(51) International classification	:C12Q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMET University
(32) Priority Date	:NA	Address of Applicant: 135 East Coast Road, Kanathur 603
(33) Name of priority country	:NA	112 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr.P.Bosco Dhanaseeli
(87) International Publication No	: NA	2)John Maria Louis.P
(61) Patent of Addition to Application Number	:NA	3)Dr.Rajesh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The high prevalence of resistant bacteria is related to uncontrolled usage of antibiotics. B-lactamases are the most common cause of bacterial resistance to B-lactam antimicrobial agents, and it is one of the most important reasons for increasing the resistance in pathogenic bacteria against some antibiotics. A total of 6672 samples were processed of which 2366 yielded Gram negative bacilli. All the bacterial isolates were subjected to sensitivity test using 19 different antimicrobial agents with different mode of actions on bacterial cell according to Kirby-Bauer method. To study the effect of radiation on the microbial susceptibility of those identified isolates to different antibiotics according to disk diffusion method and their ability to produce extended-spectrum Blactamase (ESBL) according to double-disk diffusion synergy test. . E coli (933) and Klebsiella (319) were the most prevalent isolates among the Gram negative bacilli. The prevalence of ESBL producing GNB was found to be 5.95%. In E coli the ESBL prevalence was 6.43 % and in Klebsiella it was 10.97%.

No. of Pages: 19 No. of Claims: 1

(21) Application No.6132/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :13/11/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR MODIFYING PER HOP BEHAVIOR OF ONE OR MORE EXPEDITED FORWARDING PACKETS

(51) Intermediated allowification	.11011	(71) Nome of Ameliant.
(51) International classification		(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. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JIMMY VINCENT
(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 escalated expedited forwarding system, for modifying per hop behavior of one or more Expedited Forwarding (EF) packets for a session in a communication network, the system comprising: a memory; a processor coupled to the memory storing processor executable instructions which when executed by the processor causes the processor to perform operations comprising: determining, by an escalated expedited forwarding system, at least one of latency, jitter and average jitter associated with the one or more EF packets for the session; marking, by the escalated expedited forwarding system, one or more EF packets based on the at least one of latency, jitter and average jitter; and modifying, by the escalated expedited forwarding system, the per hop behavior of the one or more marked EF packets. Figure 1

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

(21) Application No.6075/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEM-ON-CHIP (SOC) AND METHOD FOR DYNAMICALLY OPTIMIZING POWER CONSUMPTION IN THE SOC

(51) International classification	:G06F	(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. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RADHA KRISHNA MOORTHY SADHU
(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 a method for dynamically optimizing power consumption in a System-on-Chip (SoC). The method comprises receiving at least one interrupt signal from a peripheral controller. The method further comprises switching clock frequency of the peripheral controller to a lower clock frequency than a normal operating clock frequency upon receiving the at least one interrupt. The method further comprises providing the lower clock frequency than the normal operating clock frequency to the peripheral controller for dynamically optimizing the power consumption of the SoC. Figure 3

No. of Pages: 21 No. of Claims: 9

(21) Application No.6023/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: COIR SHOE INSOLE

(51) International classification	:A43B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MR.K.SRINIVASAN
(32) Priority Date	:NA	Address of Applicant :NO 2/3, PERIYA KAMMAVARA
(33) Name of priority country	:NA	STREET, 5TH LANE, KASPA0 A AMBUR - 635 802, Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR.K.SRINIVASAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

A newfangled coir shoe insole, characterized complete eco friendly, skin friendly, non allergic .providing pedicure action, high breathing capacity, 100% water desorption, perspiration absorbing, salt water resistance, Anti fungal and Anti bacterial, thermo regulatory, long lasting, bio degradable capacity and comfortable feeling while walking

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

(22) Date of filing of Application :29/10/2013 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ERGONOMICALLY DESIGNED CRUTCHES

		(71) Nome of Applicant
		(71)Name of Applicant:
		1)DR. NAGARAJAN. V.A.
		Address of Applicant :DEPARTMENT OF MECHANICAL
(51) International classification	:A61H3/02	ENGINEERING UNIVERSITY COLLEGE OF ENGINEERING,
(31) Priority Document No	:NA	NAGERCOIL Tamil Nadu India
(32) Priority Date	:NA	2)MR. ANISH KRISHNAN NAYAR. B.C.
(33) Name of priority country	:NA	3)DR. VINOD KUMAR.K.P.
(86) International Application No	:NA	4)R. SELVA SUNDARAM
Filing Date	:NA	5)T. KARTHICK
(87) International Publication No	: NA	6)K. PUHAZLVANAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. NAGARAJAN. V.A.
(62) Divisional to Application Number	:NA	2)MR. ANISH KRISHNAN NAYAR. B.C.
Filing Date	:NA	3)DR. VINOD KUMAR. K.P.
		4)R. SELVA SUNDARAM
		5)T. KARTHICK
		6)K. PUHAZLVANAN
		1

#### (57) Abstract:

The need of ergonomically modified crutches (i) To enable orthopedically limb challenged people to walk over uneven ground. (ii) To provide better support and grip in polished and water surfaces (iii) To enable orthopedically limb challenged people to use the crutches with minimum training. The bottom design of crutch has been modified for the reason which enables them to walk over the piped cattle barriers. Cattle barriers are a common phenomenon in India. Cattle barriers are installed in most of the government buildings to avoid the entry of cattle. The problem is that cattle barriers not only prevent cattle but also orthopedically challenged people who use axial crutches from passing through this hurdle. This creates a lot of troubles to the people who use crutches. They often face the danger of stumbling and falling down at the entrance. The resultant injury is not only physical but also psychological. The only alternative before them is to secure the help of a able bodied person. The present design prevents this problem and enables the orthopedically challenged people to walk over cattle barriers. The design of the improvised ergonomically modified crutch is as follows: instead of the normal rod like bottom part of the crutch, the bottom of ergonomically modified crutch is modified as curved inverted V shape for holding the pipes and other rugged surfaces. It is completely made of aluminium as the same material for all crutches which is weightless and affordable by all people. The V is not by lines and made of curves for enabling to hold pipes of any range. The grove is cut on the upper part of the V plate and the stem is seated in it which provides better angle twist for the ease of the user and better support while walking. The circular bush is changed to rectangular bush as it increases the contact surface with the ground and avoids slipping. And the swinging motion is essential in the crutch for better ease in movement and it is provided in the improvised crutch by placing the stem in a grove and holding the pipe which provides the swinging motion to the one who uses it.

No. of Pages: 11 No. of Claims: 3

(21) Application No.6257/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :20/11/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ONE CONTROL WIRELESS HOME AUTOMATION

<ul><li>(51) International classification</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>	:G05B :NA :NA :NA :NA	(71)Name of Applicant:  1)Anil Kumar Eravathri Address of Applicant: Plot No.76/A, Road No.10, Film Nagar, Phase-II, Jubilee Hills, Hyderabad-500 096, Telangana State, India Telangana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Anil Kumar Eravathri
(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 one Control home automation system. More specifically the one control home automation system uses wireless communication and comprises a transmitter, a receiver and plurality of electrical devices connected to the receiver controlled by the transmitter. Further, the present invention is utilized to control various home appliances and or any electrical devices using a single control system.

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

(21) Application No.5504/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :14/10/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SLEEP CONTROL WITH STATIC POWER CONTROL FOR INCREASING THE LIFE TIME OF WIRELESS SENSOR NETWORK

(71) Y	TTO ATT	
(51) International classification	:H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AMET UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :135 East Coast Road, Kanathur 603
(33) Name of priority country	:NA	112 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)J.S.Ashwin
(87) International Publication No	: NA	2)P.Deepalakshmi
(61) Patent of Addition to Application Number	:NA	3)J.S.Praveen
Filing Date	:NA	4)Dr.N.Manoharan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is related to wireless sensor network. In wireless network the Sleep control mechanism implemented depends on the joint contention protocols. Power allocation and sleep control mechanism will be implemented as the transmit power remains unchanged according to the distance. Life time mainly depends upon the parameter throughput, end to end delay, efficiency, operating frequency and number of nodes etc. this would Increase the life time of wireless sensor network (WSN).

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS AND SYSTEMS FOR INFORMATION STORES TRANSFORMATION

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GURUPRASAD NAGARAJA KAMBALOOR
(87) International Publication No	: NA	2)SUDHA SHANTHARAM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This disclosure relates generally to information stores and more particularly to methods and systems for information stores transformation. The method includes capturing an existing state of the portfolio of information stores used by the enterprise. The method further includes creating a rationalization model to assess at least one of business entity information and a data store based on the existing state and at least one rationalization criterion; and identify at least one dimension of interest associated with the at least one of business entity information and the data store. Thereafter, the method includes assigning scores to each of the at least business entity information and the data store across each of the at least one dimension of interest. Finally, the method includes generating a transformation road-map for the portfolio of information stores based on the scores.

No. of Pages: 25 No. of Claims: 20

(22) Date of filing of Application: 18/11/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention : FUNCTIONAL PISTON VALVETRAIN FOR ENHANCED ENGINE EFFICIENCY AND FUNCTIONALITY

(51) International classification	:F01L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Peddineni.Anwesh
(32) Priority Date	:NA	Address of Applicant :Saraswati Nivas D. No. 8-1249(c5),
(33) Name of priority country	:NA	Room no.4 ground floor, situated in Eshwar Nagar Near MIT food
(86) International Application No	:NA	court, Manipal-576104, KARNATAKA Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Peddineni.Anwesh
(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 functional piston valvetrain in a modified cylinder head of an engine. Functional piston valve train includes two pistons one for inlet and other for exhaust, an eccentric shaft with two eccentric crankpins between two journal bearings on the cylinder head and two connected to two offset crank pins of the crank shaft which will be connected to the two piston pins individually. The end of the eccentric shaft is connected to a pulley which gets the drive from the main crank shaft of the engine. The piston valves slide inside their respective cylinders which are cast integrally with the cylinder head. While the pistons slide they open and close the inlet and exhaust ports with in their respective cylinders at the end of their return stroke. This valve mechanism has less frictional power loss while working, The valve mechanism has less running inertia because it doesnTMt use any high tension springs to open the valves. The valve mechanism is also compact using less space in cylinder head compared to present day engines. The invention is compatible with all new technologies in engines, all kinds of petrol and diesel engine designs. It is environmentally friendly when compared to present design and its mass production is easy. Bio fuels can be used. Materials used for the valve train components are steel and that of the cylinder head are aluminium, steel or cast iron.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS AND SYSTEMS FOR EVALUATING AN INCIDENT TICKET

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ARTHI VENKATARAMAN
(87) International Publication No	: NA	2)RAMKUMAR BALASUBRAMANIAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This disclosure relates generally to incident management, and more particularly to methods and systems for evaluating an incident ticket. In one embodiment, an incident evaluating device for evaluating an incident ticket is disclosed. The incident evaluating device comprises a processor and a memory communicatively coupled to the processor. The memory stores processor instructions, which, on execution, causes the processor to analyze data associated with the incident ticket. The processor determines completeness of incident resolution of the incident ticket based on the analysis and rates the incident ticket based on the completeness of the incident resolution. FIG. 1

No. of Pages: 25 No. of Claims: 20

(21) Application No.1614/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention : A NOVEL DEVICE FOR PASSENGERS SAFETY DURING COLLISION AND FIRE

(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  In State of State	IA 1)M. SANTHANAKUMAR JA 2)R. ADALARASAN JA 3)S. THILEEPAN
8	A A
* *	A

(57) Abstract:

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

(21) Application No.5514/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :15/10/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DEVELOPMENT OF BRAZE WELDING TECHNOLOGY FOR JOINING ELECTROLYTIC TOUGH PITCH COPPER TO AUSTENITIC STAINLESS STEEL FOR PFBR SODIUM PURIFICATION CIRCUIT COLD TRAPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)AMET UNIVERSITY Address of Applicant:135 East Coast Road, Kanathur 603 112 Tamil Nadu India (72)Name of Inventor: 1)R.G.Rangasamy 2)Dr. Prabhat Kumar 3)Dr.N. Manoharan
		3)Dr.N. Manoharan
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention is directed towards the development of braze welding technology for welding of copper fins to austenitic stainless steel for PFBR sodium purification circuit cold traps.

No. of Pages: 12 No. of Claims: 2

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SAFETY MEASURE FOR BOTH WOMEN PASSENGER & DRIVER IN A CAB

(51) International classification	:G08B21/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Institute of Engineering & Management,
(32) Priority Date	:NA	Address of Applicant :INSTITUTE OF ENGINEERING &
(33) Name of priority country	:NA	MANAGEMENT, SALT LAKE ELECTRONICS COMPLEX,
(86) International Application No	:PCT//	SALT LAKE KOLKATA - 91 West Bengal India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. SATYAJIT CHAKRABARTI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A passenger cab is nowadays widely used by almost all people over the world for quick and safe communication. However, many a times it is found that there is a lack of safety measure for both women and driver in many cases. Thus, this invention is for making the communication more efficient and safe for women passenger specially during night. Here, in this invention in a cab, driver seat is totally separated from the backseat passenger by a iron mesh or cage so that the driver remains separated from the passenger and the locks inside the car is also added with a latch inside the cab which means there is no way out for any other people or driver himself to get inside the cab, until and unless the passenger sitting inside opens the latch from inside.

No. of Pages: 6 No. of Claims: 2

## **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.1372/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: METHOD AND SYSTEM FOR MANAGMENT OF RECRUITMENT

(51) International classification	:G06F3/048	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NANOSEEKERS
(32) Priority Date	:NA	Address of Applicant :201 2ND FLOOR, PLOT NO. 7,
(33) Name of priority country	:NA	VARDHMAN PLAZA CORNER, INDER ENCALVAE
(86) International Application No	:NA	PASCHIM VIHAR, NEW DELHI-110087 Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GOEL, SATYAPRAKASH
(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 present invention provides a recruitment management system. The recruitment management system includes a user interface, an application invitation component to facilitate the human resource personnel to post one or more vacant job positions, an application processing component to enable the human resource personnel to process one or more job applications received with respect to the one or more vacant job positions, and an interview scheduling component. The user interface enables human resource personnel, one or more applicants, one or more interviewers and an administrator to interact with the recruitment management system. The interview scheduling component in conjunction with a database enables each of the human resource personnel. The one or more interviewers and the one or more applicants to schedule recruitment process. The application processing component enables background verification of a first set of one or more applicants by fetching information of the respective social connections.

No. of Pages: 30 No. of Claims: 10

(21) Application No.4320/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PARTIAL DIP COATING OF DOSAGE FORMS FOR MODIFIED RELEASE

(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 (33) Name of priority country (12) SKILLMAN NJ 08558, U.S.A. U.S.A. (72) Name of Inventor: (73) Name of Inventor: (73) Name of Inventor: (74) Name of	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:07/12/2010 :WO 2011/071877 :NA :NA :NA	1)SAUMITRA BAGCHI
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#### (57) Abstract:

A dosage form comprising a tablet core containing at least one active ingredient and having at least one modified release coating that partially surrounds the tablet core is disclosed. The tablet core is preferably in the form of a compressed core wherein the at least one modified release coating is provided on a position of the exterior surface of the compressed core using dipping technology. The invention also relates to a method of manufacturing the dosage form and a method of treatment using the dosage form.

No. of Pages: 43 No. of Claims: 18

(21) Application No.4320/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LIQUID INJECTOR ATOMIZER WITH COLLIDING JETS

(51) International classification :F02M61/18,F02M59/46 (71)Name of Applicant : (31) Priority Document No 1)NOSTRUM ENERGY PTE. LTD. :61/728525 (32) Priority Date Address of Applicant :24 Boon Lay Way #01 73 Tradehub 21 :20/11/2012 (33) Name of priority country 609969 Singapore :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/IB2013/002592 Filing Date :20/11/2013 1)MULYE Nirmal (87) International Publication No :WO 2014/080265 2)SANE Shrikrishna 3)BARROS NETO Osanan L. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A liquid injector for injection of liquids into internal combustion engines is provided. The injectors have a plurality of jets aimed at a common collision point where at least two jet streams collide to create a finely atomized liquid due to kinetic energy dissipated by the impact of the liquid streams. The angle formed by the jets the pressure applied and the distance at which the jets collide is such that the loss of forward momentum is greater than the energy required to create particles smaller than 5 microns. Liquids injected may include gasoline diesel type fuels or water. The injectors may be employed for port injection or direct injection.

No. of Pages: 54 No. of Claims: 76

(21) Application No.4321/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A RESIN FOR USE IN A COATING COMPOSITION

(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  NA Filing Date Filing Date  NA Filing Date	Number Filing Date (62) Divisional to Application Number	:04/02/2011 :WO 2011/097478 :NA :NA	(71)Name of Applicant:  1)BASF COATINGS GMBH  Address of Applicant:GLAURITSTRASSE 1, 48165  MUENSTER, GERMANY Germany (72)Name of Inventor:  1)ANTHONY J. TYE  2)ALI A. RIHAN  3)JEFF PIERCE
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#### (57) Abstract:

A coating system comprises a substrate and a cured film disposed on the substrate and formed from a coating composition. The coating composition comprises a solvent component and a resin. The resin comprises a reaction product of a polyolefin and an oligomer or polymer. The polyolefin, different from the oligomer or polymer, has a functional group that is reactive with the oligomer or polymer and the functional group is selected from acrylate, methacrylate, carboxyl, hydroxyl, epoxide, anhydride and isocyanate functional groups. The oligomer or polymer and the polyolefin are at least partially immiscible in solution at ambient temperature. The oligomer or polymer is grafted with the polyolefin to form the resin.

No. of Pages: 24 No. of Claims: 17

(21) Application No.4321/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : INTERNALLY COOLED EXHAUST GAS RECIRCULATION SYSTEM FOR INTERNAL COMBUSTION ENGINE AND METHOD THEREOF

(51) International classification :F02M25/07,F02M21/08 (71)Name of Applicant : (31) Priority Document No 1)NOSTRUM ENERGY PTE. LTD. :61/728516 (32) Priority Date Address of Applicant :24 Boon Lay Way #01 73 Tradehub 21 :20/11/2012 (33) Name of priority country Singapore 609969 Singapore :U.S.A. (86) International Application No :PCT/IB2013/002593 (72) Name of Inventor: Filing Date :20/11/2013 1)MULYE Nirmal (87) International Publication No :WO 2014/080266 2)SANE Shrikrishna (61) Patent of Addition to Application 3)BARROS NETO Osanan L. :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An internal combustion engine is provided equipped with an exhaust gas recirculating (EGR) system and means for internally cooling the exhaust gases by a spray of atomized water into the recirculated exhaust gases prior to ignition. The atomized water spray may be in the intake manifold or directly in the cylinder. The engine may employ spark or compression ignition. The internal combustion engine operates with compression ratios greater than 12:1 and lean air:fuel ratios. Also provided is a method for controlling the amount of exhaust gas recirculated in the engine and for controlling the amount of water added. The inventive engines have elevated thermodynamic efficiencies and favorable NOx emissions.

No. of Pages: 46 No. of Claims: 27

(21) Application No.4326/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A POROUS, DISSOLVABLE SOLID SUBSTRATE AND SURFACE RESIDENT COATING COMPRISING MATRIX MICROSPHERES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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 8/02 :61/267,688 :08/12/2009 :U.S.A. :PCT/US2010/059455 :08/12/2010 :WO 2011/072009 :NA :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OH 45202, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)GLENN, ROBERT, WAYNE, JR. 2)KAUFMAN, KATHLEEN, MARY 3)WILLMAN, JOANNE ROBERTA
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#### (57) Abstract:

The present invention relates to personal care compositions, especially those personal care compositions in the form of a personal care article that is a porous dissolvable solid substrate. The porous dissolvable solid substrate has a surface resident coating comprising a surface resident coating comprising from about 25% to about 70% of a starch derived material, from about 5% to about 60% of a cationic surfactant conditioner, and from about 5% to about 60% of a perfume, that can provide a consumer benefit.

No. of Pages: 65 No. of Claims: 15

(21) Application No.4326/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION

(51) International classification :C12P7/06,C12N1/22,C08H8/00 (71)Name of Applicant : (31) Priority Document No 1)E. I. DU PONT DE NEMOURS AND COMPANY :13/721103 (32) Priority Date :20/12/2012 Address of Applicant :1007 Market Street Wilmington (33) Name of priority country Delaware 19898 U.S.A. :U.S.A. (86) International Application No: PCT/US2013/074235 (72) Name of Inventor: Filing Date :11/12/2013 1)LEANA Maria C. (87) International Publication No: WO 2014/099509 2) LEFEBVRE Brian G. (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

Though chlorine dioxide is generally used to control bacterial contamination a method was developed which allows the use of stabilized chlorine dioxide (SCD) for controlling contamination during fermentation that uses the bacteria as the biocatalyst even though is sensitive to chlorine dioxide. Parameters were identified for inoculating a composition for fermentation with cells after a time period has elapsed following SCD addition.

No. of Pages: 60 No. of Claims: 26

:NA

(22) Date of filing of Application :17/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : LAUNDRY DETERGENT COMPOSITION HAVING A MALODOR CONTROL COMPONENT AND METHODS OF LAUNDERING FABRICS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (83) International Publication No (84) International Publication No (85) International Publication No (86) Patent of Addition to Application Number Filing Date (87) International Publication No (88) International Publication No (89) International Publication No (90) International Publication No (91) International Country (91) International Country (92) International Country (93) Name of priority Country (94) International Application No (95) International Application No (97) International Country (97) International Country (97) International Country (98) International Application No (98) International Application No (98) International Application No (98) International Application No (99) International Publication No (90) In	1)THE PROCTER & GAMBLE COMPANY Address of Applicant :ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OH 45202, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)WOO RICKY AH-MAN
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## (57) Abstract:

A detergent laundry composition comprising a malodor control component having at least one volatile aldehyde and an acid catalyst, and methods of laundry detergents are provided.

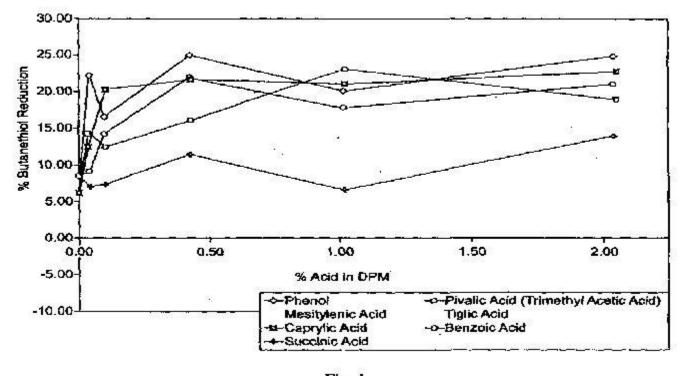


Fig. 1

No. of Pages: 45 No. of Claims: 30

(21) Application No.4327/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BREMELANOTIDE THERAPY FOR FEMALE SEXUAL DYSFUNCTION

(51) International classification :A61K38/12,C07K7/64,A61P15/00

(31) Priority Document No :61/722511 (32) Priority Date :05/11/2012

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

(86) International Application :PCT/US2013/068386

No :105/2013 Filing Date :05/11/2013

(87) International Publication WG 2014

No :WO 2014/071339

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

(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)PALATIN TECHNOLOGIES INC.

Address of Applicant :4b Cedar Brook Drive Cranbury NJ

08512 U.S.A.

(72)Name of Inventor:

1)SPANA Carl 2)JORDAN Robert 3)EDELSON Jeffrey D.

(57) Abstract:

Use of a subcutaneously administered dose of between about 1 0 mg and 175 mg of bremelanotide or a pharmaceutically acceptable salt of bremelanotide for the treatment of female sexual dysfunction in women while reducing or minimizing undesirable side effects.

No. of Pages: 52 No. of Claims: 100

(21) Application No.4328/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: ANTIBODY AND ANTIBODY COMPOSITION PRODUCTION METHOD

(51) International classification: C07K16/28, C12P21/08, C12N1/15 (71) Name of Applicant: :2012243984 1)ZENYAKU KOGYO KABUSHIKIKAISHA (31) Priority Document No (32) Priority Date :05/11/2012 Address of Applicant :6 15 Otsuka 5 chome Bunkyo ku Tokyo (33) Name of priority country 1128650 Japan :Japan (72)Name of Inventor: (86) International Application :PCT/JP2013/079797 1)ENAMI Jumpei :01/11/2013 Filing Date 2)SASAKI Tetsuo (87) International Publication 3)SUZUKI Hirokazu :WO 2014/069647 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

To provide: an antibody comprising at least two kinds of Fab and in particular having restricted light chain heavy chain combinations; a corresponding antibody composition; and production methods for same. [Solution] The present invention provides production methods for (1) an antibody or (2) an antibody composition the methods using non natural disulfide bonds.

No. of Pages: 104 No. of Claims: 18

(22) Date of filing of Application :20/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: DOME COVER SUPPORTER

:B65D90/08,B65D90/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :1020130017018 (32) Priority Date :18/02/2013 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2014/001287

Filing Date :18/02/2014 (87) International Publication No :WO 2014/126439

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

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

1)WORLD BRIDGE INDUSTRIAL CO. LTD

Address of Applicant: 766 1 Haseong ro Haseong myon

Kimpo Si Gyeonggi do 415 883 Republic of Korea (72) Name of Inventor:

1)TAK KooHvun

#### (57) Abstract:

The present invention relates to a dome cover supporter and more particularly to a dome cover supporter capable of improving productivity and increasing durability and lifespan by preventing a press plate of a roof panel from protruding to the top portion when supporting a dome cover used for a storage tank capable of withstanding a wind load because of smaller surface roughness and capable of prolonging the lifespan by not exposing a gasket to ultraviolet rays. The dome cover supporter according to the present invention comprises a supporter (100) and a fixing member (300). The supporter (100) comprises: a supporter body (110) configured to take an I letter shape as a whole to have rigidity with regard to vertical load; a base (130) formed integrally with the bottom portion of the supporter body (110) and configured to support the supporter body (110) from the ground to stably fasten and fix the dome cover to the top portion; a receiving part (151) formed integrally with the top portion of the supporter body (110) and extending by being bent by 45° to prevent the fixing member (300) from protruding and to secure the fixing member (300) therein; and a horizontal extension piece (150) fastening a roof panel (A) to the top portion of the supporter body (110) in which the roof panel (A) is bent to be the same as the shape of the receiving part (151) and received in the receiving part (151) a gasket (310) keeping airtight is secured in the top portion of the roof panel (A) then the press plate (330) is fastened to the supporter body (110) with a bolt (350) passing through the press plate (330). The fixing member (300) is fastened with the top portion of the supporter body (110) to fasten and fix the roof panel (A) and comprises: a gasket (310) which is secured in the end and top portions of the roof panel (A) to prevent snow or rain from permeating; and a press plate (350) formed on the top portion of the gasket (310). The fixing member (300) fixes the roof panel (A) by fastening the press plate (330) to the supporter body (110) with a bolt (350) and keeps airtight by pressing the gasket (310).

No. of Pages: 14 No. of Claims: 1

(21) Application No.4317/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PLAIN BEARING COMPOSITE MATERIAL

(51) International

:B32B15/01,C22C21/00,F16C33/12

classification

(31) Priority Document No :10 2012 223 042.4

(32) Priority Date

:13/12/2012

(33) Name of priority country: Germany (86) International Application :PCT/EP2013/076011

No

:10/12/2013

Filing Date

(87) International Publication :WO 2014/090764

(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)FEDERAL MOGUL WIESBADEN GMBH

Address of Applicant: Stielstrae 11 65201 Wiesbaden

Germany

(72)Name of Inventor:

1)RITTMANN Stefan

2)ANDLER Gerd

3)WILHELM Maik 4) COSENTINO Fabio

5)REICHL Berndt Peter

(57) Abstract:

The invention relates to a plain bearing composite material comprising a supporting layer (12) made of steel a bearing metal layer (14) made of copper or a copper alloy which is applied to the supporting layer (12) and a functional layer (16) made of aluminum or an aluminum alloy which is applied to the bearing metal layer (14).

No. of Pages: 25 No. of Claims: 12

(21) Application No.4318/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: OSMOTIC SEPARATION SYSTEMS AND METHODS

(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (30/10/2009 SULS.A. SPCT/US2010/054738 STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)ROBERT L. MCGINNIS 2)JOSEPH E. ZUBACK  1)OASYS WATER, INC. Address of Applicant: 21 DRYDOCK AVENUE FLOOR, BOSTON, MASSACHUSETTS 02210, UNIT STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)ROBERT L. MCGINNIS 2)JOSEPH E. ZUBACK	
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#### (57) Abstract:

Separation processes using engineered osmosis are disclosed generally involving the extraction of solvent from a first solution to concentrate solute by using a second concentrated solution to draw the solvent from the first solution across a semi-penneable membrane. Enhanced efficiency may result from using low grade waste heat from industrial or commercial sources.

No. of Pages: 41 No. of Claims: 16

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: POSITIONING EQUIPMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant:9330 Zionsville Road Indianapolis IN  46268 1054 U.S.A.  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:25/07/2013 :WO 2014/088651 :NA :NA	1)WEISS Anthony 2)MIRUSSO John 3)BUSACCA John D. 4)HOWARD Phillip J.
Filing Date	:NA	

#### (57) Abstract:

Equipment for the placement or positioning of one or more items in or on the ground is provided. In one form an apparatus includes a toolbar a container a metering unit configured to selectively control release of one or more items from the container and an application member configured to deliver the one or more items released from the container to the ground. In one aspect of this form the metering unit is configured to selectively control release of one or more spherical items having a diameter in the range of about 0.25 inches to about 1.0 inches and more particularly but not exclusively in the range of about 0.5 inches to about 0.75 inches from the container to the application member. In another more particular aspect the spherical items are capsules that include a shell wall encapsulating a pesticide composition and including a gelatin material.

No. of Pages: 35 No. of Claims: 36

(21) Application No.4319/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ACTIVE COMPOUND COMBINATIONS

(51) International classification	:A01N 43/90	(71)Name of Applicant:
(31) Priority Document No	:09176210.4	1)BAYER CROPSCIENCE AG
(32) Priority Date	:17/11/2009	Address of Applicant :ALFRED-NOBEL-STR. 50 40789
(33) Name of priority country	:EPO	MONHEIM, GERMANY Germany
(86) International Application No	:PCT/EP2010/067503	(72)Name of Inventor:
Filing Date	:15/11/2010	1)THOMAS SEITZ
(87) International Publication No	:WO 2011/061156	2)ULRIKE WACHENDORFF-NEUMANN
(61) Patent of Addition to Application	:NA	3)HEIKE HUNGENBERG
Number	:NA	4)PETER DAHMEN
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to active compound combinations, in particular within an insecticide or fungicide composition, which comprises (A) a dithino-tetracarboximide of formula (I) and a further insecticidally active compound (B). Moreover, the invention relates to a method for controllinganimal pests such as insects and/or unwanted acarids and for curatively or preventively controlling the phytopathogenic fungi of plants or crops, to the use of a combination according to the invention for the treatment of seed, to a method for protecting a seed and not at least to the treated seed.

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

(21) Application No.4319/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: COOLING EQUIPMENT WORKING FLUID COMPOSITION

(51) International :C10M111/02,C10M105/38,C10M105/42 classification

(31) Priority Document :2012266675

(32) Priority Date :05/12/2012

(33) Name of priority :Japan

country

(86) International :PCT/JP2013/082042 Application No

:28/11/2013 Filing Date

(87) International :WO 2014/087916 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)JX NIPPON OIL & ENERGY CORPORATION

Address of Applicant: 6 3 Otemachi 2 chome Chiyoda ku

Tokyo 1008162 Japan (72)Name of Inventor: 1)SAITO Masanori 2)OKIDO Takeshi

3)KONNO Souichirou 4)ADEGAWA Kuniko

### (57) Abstract:

The present invention provides a cooling equipment working fluid composition containing the following: a refrigerant oil containing a base oil consisting of a mixed ester; and a refrigerant consisting of difluoromethane. Said mixed ester is obtained by mixing the following esters using a mass ratio (A:B) between 5:95 and 95:5 inclusive: a complex ester (A) synthesized from a prescribed polyhydric alcohol a C polyprotic acid and either a C monohydric alcohol or a C monovalent fatty acid; and a polyol ester (B) synthesized from a prescribed polyhydric alcohol and a C monovalent fatty acid. Said cooling equipment working fluid composition has a refrigerant solution viscosity greater than or equal to 5.5 mm/s at a temperature of 80°C and an absolute pressure of 2.1 MPa.

No. of Pages: 26 No. of Claims: 6

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AUDIO DATA ACQUISITION & PROCESSING FOR SSFDR

(51) International alocaification	.D64D45/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASERDC, HAL, AVIONICSDIVISION, KORWA
(32) Priority Date	:NA	Address of Applicant :AGM (DISIGN) ASERDC
(33) Name of priority country	:NA	HINDUSTAN AERONAUTICS LIMITED, AVIONICS
(86) International Application No	:NA	DIVISION, KORWA, AMETHI-227112, UP, INDIA. Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)A. C. MANI
Filing Date	:NA	2)ANKIT SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The SSFDR (Solid State Flight Data Recorder) is capable of acquiring and recording essential flight data and audio data. SSFDR is designed to record 10 hours of Aircraft Data(analog signals, discrete signals, RTD, TACHO and Thermocouple ) which are coming from different sensors & 10 hours of Audio(for 2 or 4 channels ) in DAU(Data Acquisition Unit). Solid State technology also provides high reliability & large data storage capacity. The system acquires audio from two or four channels, compresses them and stores in the memory. Compression shall be done in such a way that the quality of the reproduced audio should be satisfactory qualitatively & quantitatively. Time stamping shall be done in audio data for synchronization.

No. of Pages: 6 No. of Claims: 3

(21) Application No.4340/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SPIRO FUSED 1 -AMINO - PIPERIDINE PYRROLIDINE DIONE DERIVATIVES WITH PESTICIDAL ACTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/11/2010 :WO 2011/067240 :NA :NA	(71)Name of Applicant:  1)SYNGENTA PARTICIPATIONS AG Address of Applicant: SCHWARZWALDALLEE 215, CH- 4058 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)PITTERNA THOMAS 2)MUEHLEBACH MICHEL 3)SCHAETZER JURGEN HARRY
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Compounds of the formula I wherein the substituents are as defined in claim 1, are useful as pesticides.

No. of Pages: 164 No. of Claims: 14

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: APPARATUS FOR SENSING IONIC CURRENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G01T1/185 :1219488.2 :30/10/2012 :U.K. :PCT/GB2013/052823 :30/10/2013 :WO 2014/068304 :NA :NA :NA	(71)Name of Applicant: 1)UNIVERSITY OF SUSSEX Address of Applicant:Sussex House Brighton Sussex BN1 9RH U.K. (72)Name of Inventor: 1)PRANCE Professor Robert
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#### (57) Abstract:

The invention provides a charged particle sensor (10) for detecting and measuring ionic current generated by charged particles resulting from ionisation processes comprising: a housing (16) a detection electrode (14) enclosed within the housing for collecting the charged particles and an electrometer (12) having an input connected to the detection electrode for receiving a DC input signal therefrom and an output (18) for supplying a DC measurement signal as output. The housing comprises an electrostatic screen (16) for screening the detection electrode from external electric fields whereby to reduce the sensitivity of the detection electrode to such fields. The electrostatic screen includes an electrically conducting screening sheet (26) provided as a second electrode facing the detection electrode and formed with interstices to allow the entry of radiation into the housing and the second electrode and the detection electrode are arranged to be maintained in use at a bias voltage with respect to one another so as to effect charge separation amongst charged particles resulting from ionisation processes and thereby produce an ionic current impinging on the detection electrode.

No. of Pages: 40 No. of Claims: 18

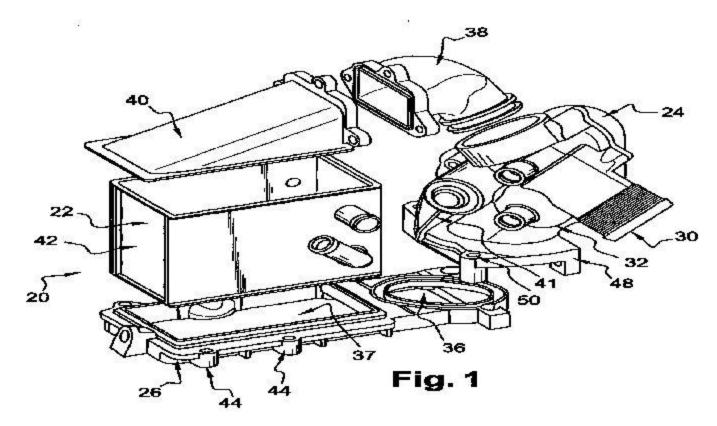
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: GAS SUPPLY MODULE FOR A MOTOR VEHICLE ENGINE, ASSEMBLY OF AN ENGINE CYLINDER HEAD AND SUCH A MODULE, AND MOTOR VEHICLE ENGINE COMPRISING SUCH A MODULE

(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (37) Priority Date (38) International Publication No (39) France Filing Date (39) France Filing Date (30) Priority Date (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) International Application No (37) Priority Date (38) Priority Date (39) France (31) Priority Date (31) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) International Application No (37) Priority Date (38) Priority Date (39) Priority Date (31) Priority Date (31) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) Priority Date (37) Priority Date (37) Priority Date (37) Priority Date (38) Priority Date (39) Priority Date (30) Priority Date (31) Priority Date (32) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (52) Priority Date (72) Name of Inventor: (73) Priority Date (74) Priority Date (75) Priority Date (76) Priority Date (77) Priority Date (78) Priority Date (79) Priority Date	
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

The invention relates to a gas supply module (20) for an engine, comprising a heat exchanger (22) capable of cooling gases for the intake thereof in an intake space of a cylinder head of the engine, and a gas supply valve (24) capable of directing said gases toward the intake space of said cylinder head and/or through said heat exchanger (22), said module (20) further comprising an interface element (26) closing said intake space of said cylinder head. According to the invention, said interface element (26) and said valve (24) are shaped such that said valve (24) can be attached to said cylinder head via at least a first attachment means extending through at least the interface element (26). The invention also relates to an assembly of an engine cylinder head and such a module, and to a motor vehicle engine comprising such an assembly. The invention can particularly be used in the field of motor vehicles.



No. of Pages: 19 No. of Claims: 12

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: MONITORING OF DEVICES INSTALLED AT REMOTE LOCATIONS

(51) International classification	:G06F3/00,	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
(32) Priority Date	:NA	Address of Applicant :Dean, Research & Development, 255,
(33) Name of priority country	:NA	Faculty Building, Indian Institute of Technology Kanpur, Kanpur
(86) International Application No	:NA	Uttar Pradesh 208016 Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHARMA, Ankush
(61) Patent of Addition to Application Number	:NA	2)BANERJEE, Paramarshi
Filing Date	:NA	3)SRIVASTAVA, Suresh Chandra
(62) Divisional to Application Number	:NA	4)CHAKRABARTI, Saikat
Filing Date	:NA	

#### (57) Abstract:

The present subject matter relates to monitoring of devices, and in particular, relates to monitoring of devices installed at a remote location. The method comprises receiving a request, from a user device (108), for obtaining an operational status of at least one field device (110). Further, it is determined whether the user device (108) is authorized, by verifying registration credentials of the user device (108). Following the determination, the operational status of the at least one field device (110) is obtained, based on predefined parameters associated with the at least one field device (110). The operational status is transmitted to the user device (108), over a wireless communication network. Further, it is determined whether an instruction is received from the user device (108), in response to the operational status. Based on the determination, an action for the at least one field device (110) is initiated.

No. of Pages: 32 No. of Claims: 17

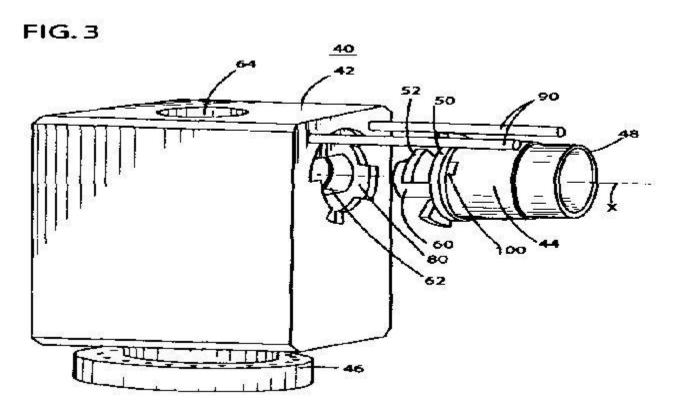
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BREECH LOCK MECHANISMS FOR BLOWOUT PREVENTER AND METHOD

(51) International classification	:E21B 33/06	(71)Name of Applicant:
(31) Priority Document No	:12/625812	1)HYDRIL USA MANUFACTURING LLC
(32) Priority Date	:25/11/2009	Address of Applicant :3300 N. SAM HOUSTON PARKWAY
(33) Name of priority country	:U.S.A.	EAST HOUSTON, TEXAS 77032, USA U.S.A.
(86) International Application No	:PCT/US2010/053038	(72)Name of Inventor:
Filing Date	:18/10/2010	1)YADAV, SEEMANT
(87) International Publication No	:WO 2011/066044	2)JUDGE, 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 blowout preventer for sealing a well includes a body having first and second chambers, the body including a channel on a face of the body; a ram block configured to move within the first chamber to seal a first region of the second chamber from a second region of the second chamber; a rod connected to the ram block and configured to extend along the first chamber; a cylinder configured to be attached to the body to border the first chamber, and a ring rotatably attached to the cylinder for attaching the cylinder to the body.



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

(21) Application No.4330/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: MAGNETIC RESONANCE IMAGING 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 Filing Date</li> </ul>	:A61B5/055 :1020120124471 :05/11/2012 :Republic of Korea :PCT/KR2013/009725 :30/10/2013 :WO 2014/069892 :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)LEE Myung kyu
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#### (57) Abstract:

A magnetic resonance imaging (MRI) apparatus includes a housing which has a bore to which a magnetic field for use in an MRI scan is applied a moving table on which an inspection target may be placed and that enters the bore of the housing a projector which projects an image onto an inner wall that forms the bore of the housing and a controller which controls the projection unit and transmits a video signal to the projector.

No. of Pages: 45 No. of Claims: 15

(21) Application No.4331/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR BULK POLYMERIZATION OF LACTIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08G 63/82 :2009/0745 :03/12/2009 :Belgium :PCT/EP2010/068860 :03/12/2010 :WO 2011/067385 :NA :NA :NA	(71)Name of Applicant:  1)FUTERRO S.A.  Address of Applicant:PLACE D'ESCANAFFLES, 23, B-7760 ESCANAFFLES (BE) Belgium (72)Name of Inventor:  1)SIROL, SABINE
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#### (57) Abstract:

The invention relates to a method for bulk polymerization of lactide at a temperature between  $160^{\circ}$  C and  $195^{\circ}$  C in the presence of a zinc catalyst.

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

(21) Application No.4331/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SYSTEM OF BLOCKS THAT ARE INTERLOCKED BY MEANS OF GEOMETRICAL BODIES

(51) International classification :E04B2/08,E04B2/18,A63H33/10 (71)Name of Applicant :
(31) Priority Document No :34952012 1)MONTIEL REYES Luciano Hctor
(32) Priority Date :11/12/2012 Address of Applicant :Claudio Gay 421 Playa Ancha C³digo Postal 2340000 Valparaso Chile

(86) International Application

Output

Description 2012/000000 (72) Name of Inventor:

No :PCT/CL2013/000089 11/1/2 2013

:WO 2014/089718

Filing Date

(87) International Publication

(88) Filing Date

(87) International Publication

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

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

(57) Abstract :

The invention relates to a system of blocks that are interlocked by means of geometrical bodies applicable in the construction of buildings civil works and the toy industry wherein the blocks (1) have cavities (2) and holes (3) on the faces thereof that receive elements (4 5) having complementary geometry and slightly smaller dimensions interlocking the blocks. The vertical interlocking between the blocks is reinforced by the use of vertical locking elements (6) that in turn have openings (9) whereinto pins (7) are inserted once said vertical locking element (6) is arranged in the hole (3) of the block.

No. of Pages: 12 No. of Claims: 14

(21) Application No.4332/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: REGULATED EXPRESSION 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>	:C12N 15/63 :P200902122 :05/11/2009 :Spain :PCT/ES2010/070715 :04/11/2010 :WO 2011/054994 :NA :NA	(71)Name of Applicant:  1)PROYECTO DE BIOMEDICINA CIMA, S.L.  Address of Applicant: AVENIDA PIO XII, 22 OFICINA 1, E- 31008 PAMPLONA - NAVARRA (ES). Spain (72)Name of Inventor:  1)GONZALEZ ASEGUINOLAZA, GLORIA 2)PRIETO VALTUENA, JESUS MARIA 3)VANRELL MAJO, LUCIA MARIA
Number		3) VAINELL MAJO, LUCIA MARIA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The application relates to gene constructs for inducible hepato- specific expression of polynucleotides of interest in response to an inducer agent, said constructs comprising (i) an inducible bi-directional operator -promoter with at least one responsive element to said inducer agent flanked by two hepato- specific promoters acting in divergent manner, (ii) a first nucleotide sequence encoding a transactivator which may be activated by said inducer agent operatively coupled to the first hepato- specific promoter and (iii) a second nucleotide sequence operatively coupled to the second hepato- specific promoter, wherein the promoters are induced as a consequence of the binding of the transactivator to the operator region of the operator -promoter in the presence of the inducer agent.

No. of Pages: 99 No. of Claims: 38

(21) Application No.4322/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/05/2012 (43) Publication Date: 27/11/2015

(54) Title of the invention: A PROCESS FOR PRODUCING N-(5-CHLOROPYRIDIN-2-YL)-N' - [(1S, 2R, 4S)-4-(DIMETHYLCARBAMOYL)-2- {[(5-METHYL-4,5,6,7-TETRAHYDRO[1,3]THIAZOLO[5,4-C]PYRIDIN-2-YL)CARBONYL]AMINO}CYCLOHEXYL]ETHANEDIAMIDE

(51) International classification :C08G 64/02 :2005-269642 (31) Priority Document No (32) Priority Date :16/09/2005 (33) Name of priority country :Japan

:PCT/JP2006/318432 | (72)**Name of Inventor :** (86) International Application No

Filing Date :15/09/2006 (87) International Publication No :WO 2011/023450

(61) Patent of Addition to Application :NA Number

:NA Filing Date

(62) Divisional to Application Number :1775/DELNP/2008 Filed on :28/02/2008

(71) Name of Applicant:

1)DAIICHI SANKYO COMPANY, LIMITED

Address of Applicant :3-5-1, NIHONBASHI-HONCHO,

CHUO-KU, TOKYO 103-0023, JAPAN Japan

1)KOJI SATO

2)KOTARO KAWANAMI

3)TSUTOMU YAGI

## (57) Abstract:

A process for producing N-(5-Chloropyridin-2-yl)-N-[(IS,2R,4S)-4-(dimethylcarbamoyl)-2- {[(5-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,6,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-methyl-4,5,7-meth tetrahydro[1,3]thiazolo[5,4-c]pyridin-2-yl)carbonyl]amino}cyclohexyl]ethanediamide A process for producing N-(5-Chloropyridin-2-yl)carbonyl]amino}cyclohexyl]ethanediamide A process for producing N-(5-Chloropyridin-2-yl)carbonyllamide A process for process for yl)-N-[(IS,2R,4S)-4-(dimethylcarbamoyl)-2-{[(5-methyl-4,5,6,7-tetrahydro[1,3]thiazolo[5,4-c]pyridin-2yl)carbonyl]amino}cyclohexyl]ethanediamide represented by formula (A): (wherein R3 represents a dimethylcarbamoyl group, Q3 represents 5-chloropyridin-2-vl, T1 represents group -C(=O)-C(=O)-N(R)- (wherein R represents a hydrogen atom), O1 represents 5methyl-4,5,6,7-tetrahydro[1,3]thiazolo[5,4-c]pyridin-2-yl, and Q2 represents a single bond) or a salt thereof or a hydrate of any of these, wherein the process comprises: reacting an acid adduct salt of a {(IR,2S,5S)-2-amino-5-[(dimethylamino)carbonyl]cyclohexyl}carbamate compound represented by formula (VI-I): (wherein R1 represents a C2-C7 alkoxycarbonyl group and R3 has the same meanings as defined above) with an ethyl ester hydrochloride salt of [5-chloropyridin-2yl]amino](oxo)acetic acid represented by formula (IX): Q3-T1-OH (IX) (wherein T1 and Q3 have the same meanings as defined above) in the presence of at least one base selected from the group consisting of sodium carbonate, potassium carbonate, sodium ethoxide, potassium butoxide, sodium hydroxide, potassium hydroxide, sodium hydride, potassium hydride, n-butyl lithium, lithium diisopropylamide, lithium bis(trimetnylsilyl)amide, pyridine, 2,6-lutidine, collidine, 4-dimethylaminopyridine, triethylamine, Nmethylmorpholine, diisopropylethylamine, and diazabicyclo[5.4.0]undec-7-ene(DBU), to thereby form a (IR,2S,5S)-2-({[(5chloropyridin-2-yl)amino](oxo)acetyl}amino)-5-(dimethylaminocarbonyl)cyclohexyl]carbamate compound represented by formula (X): (wherein R1, R3, T1, and O3 have the same meanings as defined above): removing the protective group of the thus-obtained compound (X); and reacting the deprotected compound with a hydrochloride salt of 5-methyl-4,5,6,7- tetrahydro[1,3]thiazolo[5,4c)pyridine-2-carboxylic acid represented by formula (XII): Q1-Q2-COOH (XII) (wherein Q1 and Q have the same meanings as defined above) in the presence of at least one base selected from the group consisting of sodium carbonate, potassium carbonate, sodium ethoxide, potassium butoxide, sodium hydroxide, potassium hydroxide, sodium hydride, potassium hydride, n-butyl lithium, lithium diisopropylamide, lithium bis(trimetnylsilyl)amide, pyridine, 2,6-lutidine, collidine, 4-dimethylaminopyridine, triethylamine, N-methylmorpholine, diisopropylethylamine, and diazabicyclo [5.4.0] undec-7-ene (DBU).

No. of Pages: 168 No. of Claims: 3

(21) Application No.4322/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : COMMUNICATION CONTROL DEVICE COMMUNICATION CONTROL METHOD AND TERMINAL DEVICE

(51) International classification: H04J99/00,H04B7/04,H04J11/00 (71) Name of Applicant: (31) Priority Document No :2012259690 1)SONY CORPORATION (32) Priority Date :28/11/2012 Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 (33) Name of priority country :Japan (86) International Application (72) Name of Inventor: :PCT/JP2013/076095 1)TAKANO Hiroaki :26/09/2013 Filing Date (87) International Publication :WO 2014/083927 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

To enable the amount of transmittable control signals to be increased. [Solution] Provided is a communication control device equipped with a control unit which when a directional antenna capable of 3D beamforming forms multiple beams in different three dimensional directions treats each of multiple communication regions corresponding to the individual beams formed by the direction antenna as a virtual cell and performs communication control.

No. of Pages: 107 No. of Claims: 20

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEDIUM FOR THE SPECIFIC DETECTION OF RESISTANT MICROORGANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:09/02/2006 :WO 2006/085027 :NA :NA	(71)Name of Applicant:  1)BIOMERIEUX Address of Applicant: CHEMIN DE 1'ORME, F-69280 MARCY L'ETOILE, FRANCE France (72)Name of Inventor: 1)SYLVAIN ORENGA 2)CELINE ROGER-DALBERT 3)JOHN PERRY 4)VANESSA CHANTEPERDRIX 5)GILLES ZAMBARDI
Filing Date (62) Divisional to Application Number Filed on	:5959/DELNP/2007 :31/07/2007	5)GILLES ZAMBARDI 6)NATHALIE BAL

#### (57) Abstract:

A method for distinguishing at least 3 groups of microorganisms in a biological sample, said sample comprising: a first group of microorganisms, belonging to a first taxon of microorganisms and comprising at least one mechanism of resistance to an antimicrobial; a second group of microorganisms, belonging to a second taxon of microorganisms, different than said first taxon, but comprising at least one mechanism of resistance to an antimicrobial, identical to that of the first group; a third group of microorganisms, that are not resistant to said antimicrobial, said method consisting in contacting the biological sample with a culture medium comprising: a at least a first substrate for detecting at least a first enzymatic or metabolic activity of said first group of microorganisms; a at least one marker for differentiating the first group of microorganisms and the second group of microorganisms, said marker being a substrate for detecting at least one enzymatic or metabolic activity of said second group of microorganisms; a at least one antimicrobial that is active on said third group of microorganisms.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : ASIL B-COMPLIANT IMPLEMENTATION OF AUTOMOTIVE SAFETY-RELATED FUNCTIONS BY MEANS OF A HIGH DIAGNOSABILITY, QUALITY MANAGED-COMPLIANT INTEGRATED CIRCUIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F :TO2013A000646 :30/07/2013 :Italy :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAGNETI MARELLI S.p.A. Address of Applicant: CORBETTA Viale Aldo Borletti, 61/63, Italy Italy 2)EXIDA DEVELOPMENT S.r.l. (72)Name of Inventor: 1)Piero CARBONARO 2)Giovanni DALLARA 3)Alessandro FUSARI 4)Alberto PEZZOLI 5)Francesco TRAVERSI 6)Loris LAMBERTINI
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#### (57) Abstract:

An automotive internal combustion engine electronic control unit required to perform safety-related functions with a predetermined automotive safety integrity level; wherein the automotive internal combustion engine electronic control unit comprises a microcontroller and an integrated circuit distinct from, and communicating with the microcontroller; in which the microcontroller is designed to perform one or more safety-related functions with the same automotive safety integrity level as the one required to the automotive engine electronic control unit; in which the integrated circuit is designed to perform one or more safety-related functions with an automotive safety integrity level lower than the one of the microcontroller; in which the integrated circuit is further designed to perform, for each performed safety-related function, a corresponding diagnosis function designed to detect failures in the performance of the safety-related function; and in which the microcontroller is designed to perform, for each performed diagnosis function, a corresponding monitoring function designed to monitor the performance of the corresponding diagnosis function by the integrated circuit to detect failures that may compromise the diagnostic capability of the diagnosis function. Figure 1

No. of Pages: 24 No. of Claims: 11

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: REDUCING PHOTOVOLTAIC ARRAY VOLTAGE DURING INVERTER RE-ENABLEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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 7/5387 :12/625,645 :25/11/2009 :U.S.A. :PCT/US2010/056665 :05/11/2010 :WO 2011/066121 :NA :NA	(71)Name of Applicant:  1)AMERICAN SUPERCONDUCTOR CORPORATION Address of Applicant:64 JACKSON ROAD DEVENS, MASSACHUSETTS 01432 UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)FOLTS, DOUGLAS C. 2)FACCHINI, KLEBER V.C. 3)WIJENAYAKE, AJITH H. 4)BOWERS, GARY J.
(62) Divisional to Application Number Filing Date	:NA :NA	4)BOWERS, GART J.

# (57) Abstract:

An apparatus for harvesting solar power includes a photovoltaic array for generating a DC voltage; a discharge circuit for causing the DC voltage to decay from a first value to a second value; and an inverter circuit for transforming an output voltage from the discharge circuit into an AC voltage.

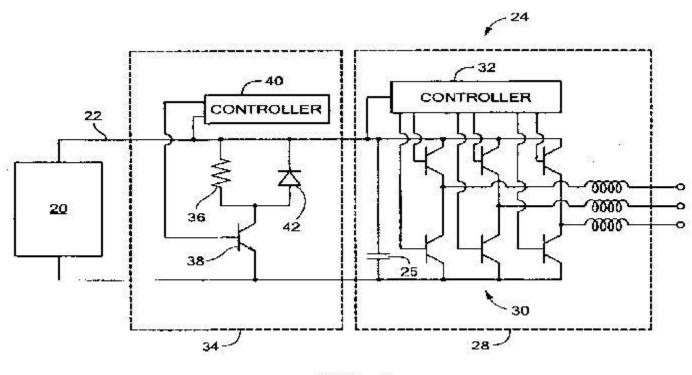


FIG. 2

No. of Pages: 21 No. of Claims: 22

(21) Application No.4336/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RING GEAR MOUNTING STRUCTURE

(51) International classification	:F16H48/40,F16H57/023	(71)Name of Applicant :
(31) Priority Document No	:2012258256	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:27/11/2012	Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471
(33) Name of priority country	:Japan	8571 Japan
(86) International Application No	:PCT/IB2013/002612	(72)Name of Inventor:
Filing Date	:22/11/2013	1)KUROSAKI Yuki
(87) International Publication No	:WO 2014/083401	2)SHIOIRI Hiroyuki
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A ring gear mounting structure is configured such that a ring gear (10) is fitted onto a supporting portion (8) and the ring gear (10) abuts against a stopper portion (11) that protrudes from on one end portion of the outer peripheral surface (9) in a rotational axis direction of the ring gear (10). A groove (14) is formed in a portion of the outer peripheral surface (9) that is on the stopper portion (11) side of the outer peripheral surface (9). A portion of the outer peripheral surface (9) which is on a side opposite the stopper portion (11) across the groove (14) is a press fitting surface (20) that the ring gear (10) is press fitted onto and contacts. A predetermined gap (C1 C2) is formed in a radial direction of the ring gear (10) and the rotational axis direction of the ring gear (10).

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

(21) Application No.4337/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHEMICAL COMPOUNDS AND THEIR USE AS PESTICIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:29/11/2010 :WO 2011/067203 :NA	(71)Name of Applicant:  1)SYNGENTA PARTICIPATIONS AG Address of Applicant: SCHWARZWALDALLEE 215, CH- 4058 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)PITTERNA THOMAS 2)MUEHLEBACH MICHEL 3)SCHAETZER JURGEN HARRY
11	:NA :NA :NA :NA	3)SCHAETZER JURGEN HARRY

# (57) Abstract:

Compounds of the formula I wherein the substituents are as defined in claim 1, are useful as a pesticides.

No. of Pages: 119 No. of Claims: 15

(21) Application No.4337/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: PLAUSIBILITY CHECKING METHOD

(51) International classification :F15B19/00,B60W50/02,B60K6/12

(31) Priority Document No :102012221127.6 (32) Priority Date :20/11/2012 (33) Name of priority country :Germany

(86) International Application :PCT/EP2013/073227

No :07/11/2013

Filing Date :07/11/201.

(87) International Publication :WO 2014/079692

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application

Number

NA

NA

Filing Date

(71)Name of Applicant : 1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor : 1)SIEMENS Anton

# (57) Abstract:

The invention relates to a plausibility checking method for checking the plausibility of pressure values that are measured by means of a sensor device (32 33) in a hydraulic system which comprises a primary drive (11) and a hydraulic secondary drive (12) which is drivingly connected to the primary drive (11). In order to create a plausibility checking method that can be checked simply and economically a power P0 of the primary drive (11) and a power P1 of the hydraulic secondary drive (12) are determined and used to check the plausibility of hydraulic pressure values measured by the sensor device (32 33) at an outlet of the hydraulic secondary drive (12).

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

(22) Date of filing of Application :20/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: SUBSTITUTED PYRAZOLO[3 4 D]PYRIMIDINE COMPOUNDS THEIR PREPARATION AND USE AS|SIGMA RECEPTORS LIGANDS

(51) International

:C07D487/04,A61K31/519,A61P29/00 classification

(31) Priority Document No :12382448.4 (32) Priority Date :14/11/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/073801 Application No

:14/11/2013 Filing Date

(87) International :WO 2014/076170 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)LABORATORIOS DEL DR. ESTEVE S.A.

Address of Applicant : Avda. Mare de Deu de Montserrat 221

E 08041 Barcelona Spain (72) Name of Inventor:

1)D • AZ FERN • NDEZ Jos Luis

2)ALMANSA Carme

3)CORBERA ARJONA Jordi

# (57) Abstract:

The present invention relates to new substituted pyrazolo[3 4 d]pyrimidine compounds of general formula (I) having a great affinity for sigma receptors especially sigma 1 receptor as well as to the process for the preparation thereof to compositions comprising them and to their use as medicaments for the treatment of i.a. pain. n is selected from 1 2 3 or 4; R represents a carbon linked optionally substituted aryl or heteroaryl radical; R and R independently represent a hydrogen atom an optionally substituted aliphatic cycloalkyl cycloalkyl aryl arylalkyl heteroaryl heteroarylalkyl heterocyclyl or heterocyclylalkyl radical or R and R together with the bridging nitrogen form an optionally substituted heterocycloalkyl or heteroaryl radical.

No. of Pages: 51 No. of Claims: 15

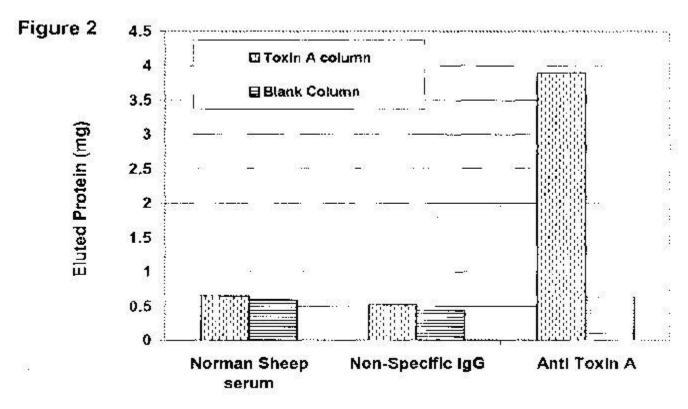
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: THERAPIES FOR PREVENTING FOR SUPPRESSING CLOSTRIDIUM DIFFICILE INFECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 39/40 :0921288.7 :04/12/2009 :U.K. :PCT/GB2010/052035 :06/12/2010 :WO 2011/067616 :NA :NA	(71)Name of Applicant:  1)HEALTH PROTECTION AGENCY Address of Applicant:PORTON DOWN, SALISBURY WILTSHIRE SP4 0JG (GB). U.K.  2)MICROPHARM LIMITED (72)Name of Inventor: 1)SHONE, CLIFFORD 2)ROBERTS, APRIL 3)LANDON, JOHN
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#### (57) Abstract:

The present invention provides an antibody composition comprising ovine antibodies, for use in the prevention or treatment of C. difficile infection wherein the antibodies bind to a C. difficile toxin, and wherein said prevention or treatment is by oral delivery of the antibody composition. Also provided is a pharmaceutical composition of ovine antibodies for oral delivery, which further comprises one or more means for protecting the antibodies from trypsin and/ or chymotrypsin and/ or stomach acid.



No. of Pages: 112 No. of Claims: 21

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: NETWORKING METHOD AND NETWORKING 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>	:H04L12/931 :201210436212.5 :05/11/2012 :China :PCT/CN2013/083904 :22/09/2013 :WO 2014/067366 :NA :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)LIANG Jianshi 2)ZHENG Fazhan 3)WEN Tingting 4)KONG Qi
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## (57) Abstract:

Disclosed are a networking method and a networking device. The method is applied in a networking device. The networking device is respectively connected to at least one service switch and connected to at least one streaming media server. The method comprises: configuring networking configuration information about the at least one streaming media server through a configuration module in the networking device; acquiring the networking configuration information through a control module in the networking device; and based on the networking configuration information the control module setting a switching module through a setting interface of the switching module. The adoption of the present invention can solve the technical problem existing in the prior art that the networking mode is complicated and realizes unified management and configuration of networks.

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

(21) Application No.4334/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : TISSUE TRANSPLANTATION INVOLVING AND TISSUES MODIFIED BY DECELLULARIZATION AND RECELLULARIZATION OF DONOR TISSUES FOR MINIMIZED OR OBVIATED REJECTION REACTIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A61K35/23 :61/723691 :07/11/2012 :U.S.A. :PCT/IB2013/002964	(71)Name of Applicant: 1)GANDY James Bennie Address of Applicant:1315 Cypress St West Monroe LA 71291 U.S.A. 2)GANDY Jeri
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:06/11/2013 :WO 2014/106771 :NA :NA :NA :NA	(72)Name of Inventor: 1)GANDY James Bennie 2)GANDY Jeri

# (57) Abstract:

A kidney was removed from a donor animal (a pig) and was later transplanted into a recipient animal (another non familial pig). The procedure produced a functioning kidney (actively producing urine) in the recipient without rejection or the formation of scar tissue after two weeks post transplantation. The procedure involves decellularization of the donor organ followed by recellularizing the donor organ with cells grown from the recipient s stem cells through use of cytokines or growth factors that are extracted from the recipient s blood plasma.

No. of Pages: 12 No. of Claims: 18

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POWER CONVERSION SYSTEMS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02J 3/38 :12/625,093 :24/11/2009	(71)Name of Applicant:  1)AMERICAN SUPERCONDUCTOR CORPORATION Address of Applicant: 64 JACKSON ROAD DEVENS,
(33) Name of priority country (86) International Application No	:U.S.A. :PCT/US2010/055552	MASSACHUSETTS 01432 UNITED STATES OF AMERICA
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:05/11/2010 :WO 2011/066081 :NA :NA	(72)Name of Inventor: 1)FOLTS, DOUGLAS C. 2)KEHRLI, ARNOLD P.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a general aspect, a power conversion system includes a power converter, a transformer, and a voltage adjustment device. The power converter is configured to receive a variable DC power generated by a power generation device and to convert the received DC power to AC power at a first voltage. The transformer is configured to receive the AC power from the power converter and to deliver AC power at a second voltage to a utility power network. The voltage adjustment device is configured to adjust the first voltage to a target value determined on the basis of a voltage of the DC power.

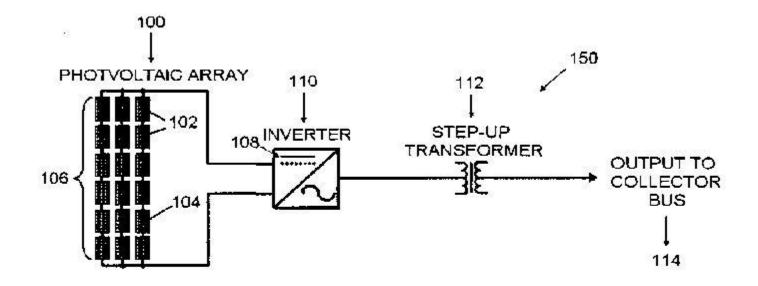


Fig. 1

No. of Pages: 33 No. of Claims: 37

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PACKAGE COMPRISING STACK OF Z FOLDED WEB MATERIAL

:A47K10/16,A47K10/42 (71)Name of Applicant : (51) International classification :NA 1)SCA HYGIENE PRODUCTS AB (31) Priority Document No :NA (32) Priority Date Address of Applicant: S 405 03 Gteborg Sweden (72)Name of Inventor: (33) Name of priority country :NA 1)BENGTSSON Mattias (86) International Application No :PCT/SE2012/051437 Filing Date :19/12/2012 2)ELGLUND Gunnel (87) International Publication No :WO 2014/098668 3)LARSSON Bjrn (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 package for web material for hygiene products for use in a dispenser comprising: a stack (1) of web material for hygiene products comprising web material (2 3) being folded about transverse folding lines (4) thereby providing panels having a length (L) along said folding lines and a width (W) perpendicular to said folding lines said panels being piled on top of each other to form a height (H) of said stack and a wrapper (14) comprising a wraparound strip encircling said stack (1) and extending over said height (H) of the stack so as to maintain the integrity of the stack (1) during transport and storage thereof the wraparound strip forming a joint region (18) where a first end (16) of the strip is adhered to a second end (17) of the strip using a closure (19) and a gripper (15) being arranged adjacent said first end (16) of the strip enabling gripping of said wrapper (14) for removal thereof from the stack (1). The closure (19) is openable while leaving the second end (17) of the strip material intact thereby allowing the strip to be opened and removed from the integrity of the stack (1) by positioning the package such that the stack (1) rests on an outer surface (10) over which the wraparound strip initially extends opening said closure and pulling said gripper (15) thereby allowing said second end (17) of the strip to slide underneath said outer surface (10) of the stack (1).

No. of Pages: 61 No. of Claims: 28

(21) Application No.4342/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: GLYCOSIDE DERIVATIVES USES THEREOF

# (57) Abstract:

This invention relates to compounds represented by formula (I): wherein the variables are defined as herein above, which are useful for treating diseases and conditions mediated by the sodium D-glucose co-transporter (SGLT), e.g. diabetes. The invention also provides methods of treating such diseases and conditions, and compositions etc. for their treatment.

No. of Pages: 205 No. of Claims: 87

(22) Date of filing of Application: 17/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : ARYL AND HETEROARYL SULFONES AS MGLUR4 ALLOSTERIC POTENTIATORS, COMPOSITIONS, AND METHODS OF TREATING NEUROLOGICAL DYSFUNCTION

(51) International classification :A61K 31/53 (31) Priority Document No :61/258,856 (32) Priority Date :06/11/2009 (33) Name of priority country :U.S.A. (86) International Application No Filing Date :08/11/2010 (87) International Publication No :WO 2011/057208 (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)VANDERBILT UNIVERSITY

Address of Applicant :305 KIRKLAND, HALL, NASHVILLE, TENNESSEE 37240, U.S.A. U.S.A.

:PCT/US2010/055861 (72)Name of Inventor :

1)CONN P. JEFFREY 2)LINDSLEY CRAIG W. 3)HOPKINS COREY R.

4)WAVER CHARLES DAVID 5)NISWENDER COLLEEN M.

6)CHEUNG YIU-YIN

#### (57) Abstract:

In one aspect, the invention relates to sulfone compounds which are useful as allosteric potentiators/positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4); synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of Using the compounds, for example, in treating neurological and psychiatric disorders or other disease state associated with glutamate dysfunction.

No. of Pages: 107 No. of Claims: 121

(21) Application No.4343/DELNP/2015 A

Address of Applicant : Avenue de Florissant 41 CH 1008 Prilly

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date: 27/11/2015

(71)Name of Applicant:

(72) Name of Inventor:

1) JAUZEIN Tristan

2)KERKAR Brahim

Switzerland

1)SICPA HOLDING SA

# (54) Title of the invention: CHIRAL LIQUID CRYSTAL POLYMER LAYER OR PATTERN COMPRISING RANDOMLY DISTRIBUTED CRATERS THEREIN

(51) International : B42D25/364, G06K19/08, C09D5/29classification

(31) Priority Document No :PCT/EP2012/076507

(32) Priority Date :20/12/2012

(33) Name of priority

:EPO country

(86) International

:PCT/EP2013/076646 Application No :16/12/2013

Filing Date

(87) International Publication :WO 2014/095682

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

:NA Filing Date

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

(57) Abstract:

Described is a chiral liquid crystal polymer (CLCP) layer or pattern which comprises randomly distributed craters of controlled mean diameter in number and/or density. The density and/or mean diameter in number of the craters can be controlled for example by adjusting the wetting of a substrate by a CLCP precursor composition the development time of the precursor composition and the thickness of the applied precursor composition.

No. of Pages: 63 No. of Claims: 50

(21) Application No.4344/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HETEROCYCLIC SULFONAMIDE DERIVATIVES

(51) International classification	:C07D 263/56	(71)Name of Applicant:
(31) Priority Document No	:3019/CHE/09	1)NOVARTIS AG
(32) Priority Date	:08/12/2009	Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL
(33) Name of priority country	:India	SWITZERLAND. Switzerland
(86) International Application No	:PCT/EP2010/069099	(72)Name of Inventor:
Filing Date	:07/12/2010	1)BOCK MARK G.
(87) International Publication No	:WO 2011/070030	2)CHIKKANA DINESH
(61) Patent of Addition to Application	:NA	3)MCCARTHY CLIVE
Number		4)MOEBITZ HENRIK
Filing Date	:NA	5)PANDIT CHETAN
(62) Divisional to Application Number	:NA	6)PODDUTOORI RAMULU
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to compounds of formula (I) and pharmaceutically acceptable salts thereof. The compounds have been demonstrated as inhibitors of MEK and therefore may be useful in the treatment of hyperproliferative diseases (e.g., cancer and inflammation).

No. of Pages: 79 No. of Claims: 17

(21) Application No.4323/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TERMINAL CRIMPING DEVICE

(51) International classification	:H01R43/055	(71)Name of Applicant:
(31) Priority Document No	:2013086297	1)SUMITOMO WIRING SYSTEMS LTD.
(32) Priority Date	:17/04/2013	Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi
(33) Name of priority country	:Japan	Mie 5108503 Japan
(86) International Application No	:PCT/JP2014/058714	(72)Name of Inventor:
Filing Date	:27/03/2014	1)TSUCHIDA Takahiro
(87) International Publication No	:WO 2014/171283	2)UEDA Naoyuki
(61) Patent of Addition to Application	:NA	3)HAYASHI Kouji
Number	:NA	4)MIZUTANI Tatsuya
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The purpose of the present invention is to provide art that enables suitable crimping of a terminal. This terminal crimping device is provided with a one side brake section for braking the movement of a continuous terminal strip. The one side brake section is provided with a body section disposed facing the continuous terminal strip and is also provided with a support section for pivotally supporting the body section. If the surface of the body section which faces the continuous terminal strip is referred to as a facing surface and an imaginary plane which passes through the contact position where the facing surface is in contact with the continuous terminal strip and which extends in a direction normal to a stage is referred to as a reference plane then the pivot axis of the body section is located upstream of the reference plane in the feed direction.

No. of Pages: 90 No. of Claims: 14

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEDIUM FOR THE SPECIFIC DETECTION OF RESISTANT MICROORGANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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 Filed on</li> </ul>	:C12Q 1/04 :0550394 :10/02/2005 :France :PCT/FR06/050109 :09/02/2006 :WO 2006/085027 :NA :NA :5959/DELNP/2007 :31/07/2007	(71)Name of Applicant:  1)BIOMERIEUX  Address of Applicant: CHEMIN DE 1'ORME, F-69280  MARCY L'ETOILE, FRANCE France (72)Name of Inventor:  1)SYLVAIN ORENGA 2)CELINE ROGER-DALBERT 3)JOHN PERRY 4)VANESSA CHANTEPERDRIX 5)GILLES ZAMBARDI 6)NATHALIE BAL
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#### (57) Abstract:

A method for distinguishing at least 3 groups of microorganisms in a biological sample, said sample comprising: a first group of Gram positive bacteria, belonging to a first taxon of microorganisms and comprising at least one mechanism of resistance to an antimicrobial; a second group of Gram positive bacteria, belonging to a second taxon of microorganisms, different than said first taxon, but comprising at least one mechanism of resistance to an antimicrobial, identical to that of the first group; a third group of Gram positive bacteria, that are not resistant to said antimicrobial, said method consisting in contacting the biological sample with a culture medium comprising: a at least a first substrate for detecting at least a first enzymatic or metabolic activity of said first group of microorganisms; at least one marker for differentiating the first group of microorganisms and the second group of microorganisms, said marker being a substrate for detecting at least one enzymatic or metabolic activity of said second group of microorganisms; at least one antimicrobial that is active on said third group of microorganisms.

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

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IPTV VALUE ADDED SERVICE MANAGEMENT SYSTEM AND METHOD

(51) International classification	:H04N21/25,H04L29/08	(71)Name of Applicant:
(31) Priority Document No	:201210404375.5	1)ZTE CORPORATION
(32) Priority Date	:22/10/2012	Address of Applicant :ZTE Plaza Keji Road SouthHi Tech
(33) Name of priority country	:China	Industrial Park Nanshan District Shenzhen Guangdong 518057
(86) International Application No	:PCT/CN2013/081999	China
Filing Date	:21/08/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/063523	1)YANG Fan
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are an IPTV value added service management system and method. The system comprises: an interface module configured to interact with an IPTV capability platform for providing an IPTV value added service so as to acquire IPTV value added service information provided by the IPTV capability platform; and a sending module configured to send to the IPTV capability platform consumption information of the IPTV value added service provided by the IPTV capability platform. Through the embodiments of the present invention unified management on the IPTV value added service is implemented and the development environment of the IPTV value added service is improved.

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

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEDIUM FOR THE SPECIFIC DETECTION OF RESISTANT MICROORGANISMS

(33) Name of priority country :France (86) International Application No :PCT/I Filing Date :09/02 (87) International Publication No :WO 2 (61) Patent of Addition to Application Number Filing Date :NA	1)BIOMERIEUX Address of Applicant :CHEMIN DE 1'ORME, F-69280 MARCY L'ETOILE, FRANCE France (72)Name of Inventor : 1)SYLVAIN ORENGA 2006/085027 2)CELINE ROGER-DALBERT 3)JOHN PERRY 4)VANESSA CHANTEPERDRIX 5)GILLES ZAMBARDI 6)NATHALIE BAL
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#### (57) Abstract:

A method for distinguishing at least 3 groups of microorganisms in a biological sample, said sample comprising: a first group of yeasts, belonging to a first taxon of yeasts and comprising at least one mechanism of resistance to an antimirobial; a second group of yeasts, belonging to a second taxon of yeasts, different than said first taxon, but comprising at least one mechanism of resistance to an antimicrobial, identical to that of the first group; a third group of yeasts, that are not resistant to said antimicrobial, said method consisting in contacting the biological sample with a culture medium comprising:  $\square$  at least a first substrate for detecting at least a first enzymatic or metabolic activity of said first group of yeasts;  $\square$  at least one marker for differentiating the first group of microorganisms and the second group of microorganisms, said marker being a substrate for detecting at least one enzymatic or metabolic activity of said second group of yeasts;  $\square$  at least one antimicrobial that is active on said third group of yeasts.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

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

(51) International classification	·G06F3/01	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Electronics Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Logix Cyber Park Tower C 8th to 10th
(33) Name of priority country	:NA	floor, Tower D, Ground to 10th floor, Plot No.C - 28-29, Sector -
(86) International Application No	:NA	62, Noida-201301 (U.P), India Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Amioy Kumar
(61) Patent of Addition to Application Number	:NA	2)Dr. Amit Sachan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The embodiments herein provide a system and method for authenticating a user of an electronic device. The method includes displaying a plurality of random items on the screen of the electronic device. Each randomly displayed item has a color code and a value associated to it. Further, the method includes receiving interaction events performed on the displayed items. Upon receiving the interaction event, the method includes dynamically changing the color code associated with each item. Furthermore, the method includes computing an input string based on the received interaction events. Furthermore, the method includes determining a match between the computed input string and a preconfigured password. FIG. 7

No. of Pages: 64 No. of Claims: 40

(21) Application No.2145/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HASE RHEOLOGY MODIFIER VAE EMULSION COPOLYMER COMPOSITION

(31) Priority Document No :61/8 (32) Priority Date :30/0 (33) Name of priority country :U.S. (86) International Application No :PCT	1)MATTHEW J. CARCHIDI 2)JOHN J. RABASCO 3)JACLYNN UNANGST 4)ANTONY K. VAN DYK
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#### (57) Abstract:

The present invention relates to a composition comprising a vinyl acetate copolymer and a HASE thickener comprising structural units of ethyl acrylate, methacrylic acid, acrylic acid, and a hydrophobic macromonomer. The composition of the present invention shows an improvement in heat aged stability over a vinyl acetate copolymer based paint thickened with a HASE that does not include structural units of acrylic acid.

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

(21) Application No.4345/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: GLYCOSIDE DERIVATIVES AND USES THEREOF'

(51) International classification	:C07H 15/203	(71)Name of Applicant:
(31) Priority Document No	:2172/DEL/2009	1)NOVARTIS AG
(32) Priority Date	:20/10/2009	Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL
(33) Name of priority country	:India	SWITZERLAND Switzerland
(86) International Application No	:PCT/EP2010/065802	(72)Name of Inventor :
Filing Date	:20/10/2010	1)BEBERNITZ GREGORY RAYMOND
(87) International Publication No	:WO 2011/048148	2)BOCK MARK G.
(61) Patent of Addition to Application	:NA	3)BHUNIYA DEBNATH
Number	:NA	4)DATRANGE LAXMIKANT
Filing Date	.IVA	5)KURHADE SURESH EKNATH
(62) Divisional to Application Number	:NA	6)PALLE P. VENKATA
Filing Date	:NA	7)REDDY DUMBALA SRINIVAS

# (57) Abstract:

This invention relates to compounds represented by formula (I) wherein the variables are defined as herein above, which are useful for treating diseases and conditions mediated by the sodium D-glucose co-transporter (SGLT), e.g. diabetes. The invention also provides methods of treating such diseases and conditions, and compositions etc. for their treatment.

No. of Pages: 131 No. of Claims: 71

(21) Application No.4345/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: A BACK SHEET FOR PHOTOVOLTAIC MODULES

(51) International :C08J7/04,C09D175/04,H01L31/042 classification

(31) Priority Document No :12198977.6 (32) Priority Date :21/12/2012 (33) Name of priority

:EPO country

(86) International :PCT/EP2013/076832

Application No :17/12/2013 Filing Date

(87) International Publication: WO 2014/095809

(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)AGFA GEVAERT

Address of Applicant :IP Department 3622 Septestraat 27 B

2640 Mortsel Belgium (72) Name of Inventor: 1)VANGAEVER Frank 2)SRIVASTAVA Ijya 3)HUBERTUS Van Aert

### (57) Abstract:

A back sheet (1) for a photovoltaic module (5) comprising a polymeric support (10) and a weather resistant layer (13) the weather resistant layer comprising a binder containing a crosslinkable group and an aliphatic isocyanate crosslinking agent characterized in that the weather resistant layer further comprises an aromatic or an alicyclic isocyanate crosslinking agent and wherein the molar ratio of the isocyanate groups of the aliphatic isocyanate crosslinking agents to the isocyanate groups of the aromatic and/or alicyclic crosslinking agents is = 3.

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

(21) Application No.4346/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POLYMORPHOUS FORMS III AND IV OF N-BENZOYL STAUROSPORINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D 498/22 :09177490.1 :30/11/2009 :EPO :PCT/EP2010/068359 :29/11/2010 :WO 2011/064355 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant:LICHTSTRASSE 35, CH-4056 BASEL, SWITZERLAND Switzerland (72)Name of Inventor:  1)THAKUR RANJIT
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# (57) Abstract:

The present invention relates to a crystalline form III and a crystalline form IV of N-benzoyl staurosporine.

No. of Pages: 18 No. of Claims: 14

(21) Application No.4346/DELNP/2015 A

Resort 81560 Gelang Patah Johor Malaysia

Address of Applicant :No. 21 Jalan Nuri 1 Leisure Farm

(71) Name of Applicant:

1)MAK Moon Tuck

(72)Name of Inventor:

1)MAK Moon Tuck

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: WATER FILTRATION APPARATUS WITH AUTOMATIC BACKWASH

(51) International :B01D29/66,B01D35/16,B01D65/02 classification

(31) Priority Document No

:NA (32) Priority Date (33) Name of priority country:

(86) International :PCT/MY2012/000264

Application No :25/10/2012 Filing Date

(87) International Publication :WO 2014/065648

No

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

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

(57) Abstract:

An apparatus for water filtration with an automatic and repeatable backwash comprising: a feed pipe through which unfiltered water is supplied a lower chamber having a feed inlet in fluid connection with said feed pipe and a filter located in said lower chamber an upper chamber a means of creating a backwash when an amount of suspended solids has been trapped by said filter and a means of halting said backwash.

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

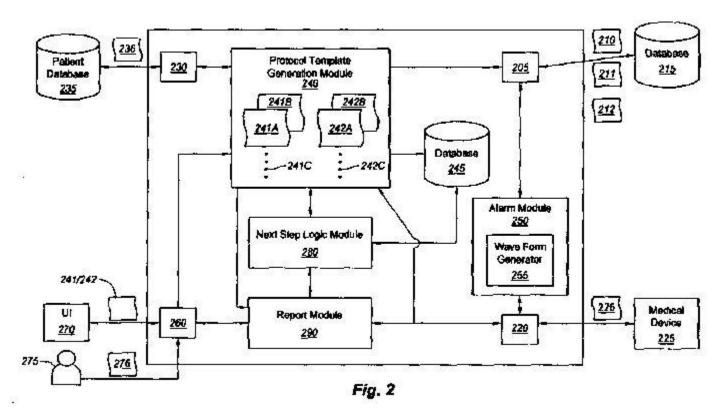
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TREATMENT PROTOCOL TEMPLATE GENERATION AND BRANCHING LOGIC 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> </ul>	:G06Q 50/00 :61/263,760 :23/11/2009 :U.S.A. :PCT/US2010/057776 :23/11/2010 :WO 2011/063384 :NA	(71)Name of Applicant: 1)HEALTHCARE CLINICAL CONSULTANTS, INC. DBA THERONYX Address of Applicant: 3537 OLD CONEJO ROAD, STE 109, THOUSAND OAKS, CA 91320, USA U.S.A. (72)Name of Inventor: 1)BOWERBANK, JONATHAN WILLIAM
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method for determining a next protocol step in a patient treatment protocol upon completion of a current treatment protocol step. The method includes accessing a treatment protocol template associated with a treatment protocol step. The treatment protocol step includes rules that determine when the protocol step is passed or failed and includes a first clinical decision point that specifies a second protocol step that is be performed next when the rules are passed and a second clinical decision point that specifies a third protocol step that is to be performed next when the rules are not passed. The method includes receiving input into parameter fields of the treatment protocol template, determining if the rules associated with the parameter fields of the treatment protocol template have been passed or not passed, and automatically determining which of the second or third protocol steps is to be performed next.



No. of Pages: 52 No. of Claims: 20

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR DETERMINING THE AMOUNT OF FUEL INJECTED INTO AN ENGINE IN PARTICULAR A DIESEL ENGINE

(51) International classification :F02D35/02,F02D
(31) Priority Document No :1262229
(32) Priority Date :18/12/2012

(33) Name of priority country :France :PCT/EP2013/003820

Filing Date :PC1/EP2013/003

(87) International Publication No :WO 2014/095047

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

:F02D35/02,F02D41/24 (71)**Name of Applicant :** 

1)CONTINENTAL AUTOMOTIVE FRANCE

Address of Applicant :Intellectual Property 1 Avenue Paul

Ourliac F 31100 Toulouse France

2) CONTINENTAL AUTOMOTIVE GMBH

(72)Name of Inventor :1)VAROQUIE Bertrand2)JUVENELLE Cyril

#### (57) Abstract:

The invention relates to a method for determining a mass of fuel injected into a cylinder of an internal combustion engine provided with a pressure sensor said method comprising the following steps: determining the corresponding temperature prevailing in the cylinder and the amount heat released from the measured pressure; integrating amounts of heat released over a predetermined time interval in order to determine a cumulative amount of heat; estimating losses of heat by taking into account the losses of heat which are due to radiation and which are dependent on the measured temperature to the fourth power and losses of heat which are due to conduction and/or convection and dependent on both the measured temperature and the corresponding engine speed according to the formula: Q = a HR where Q is the amount of heat corresponding to the losses of heat HR is said cumulative amount of heat a is a corrective factor of the cumulative amount of heat; and determining the amount of fuel injected which is proportional to the cumulative amount of heat added to the losses of heat.

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

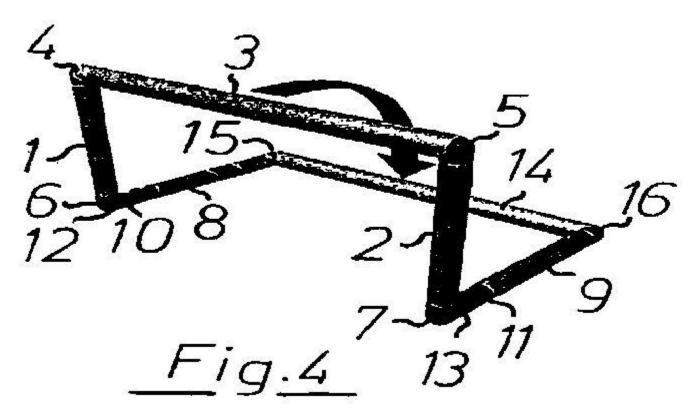
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COLLAPSIBLE GOAL DEVICE FOR BALL GAMES

(51) International classification	:A63B 63/00	(71)Name of Applicant:
(31) Priority Document No	:20093269	1)PARKLIFE INNOVATIONS LTD.
(32) Priority Date	:02/11/2009	Address of Applicant :46 FOXWELL STREET,
(33) Name of priority country	:Norway	WORCESTER, N-WR5 2EP HEREFORD AND WORCESTER
(86) International Application No	:PCT/NO2010/000397	(UK) U.K.
Filing Date	:02/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/053163	1)WENNESLAND, ANDERS, ALF
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

It is disclosed a construction for a goal for a team game, especially a soccer goal, and more particularly a mini goal for soccer and football training, wherein the construction comprises two vertical pole elements (1,2) connected to a completely or partially hollow cross bar element (3) through two corner joints (4,5), said corner joints (4,5) being able to be placed inside the at least partially hollow horizontal cross bar element (3), and said corner joints (4,5) being hinged for leading the vertical pole axis (1,2) to a position wherein the pole elements of the vertical pole elements (1,2) mainly coincide wit the pipe axis of the at least partially hollow horizontal cross bar element (3), and wherein the vertical pole elements (1,2) may be passed substantially completely -inside the at least partially hollow horizontal cross bar element (3). Such a construction may be compacted into an easily transportable form of said goal.



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

(21) Application No.4351/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR CONVERTING PHENOLIC COMPOUNDS INTO AROMATIC HYDROCARBONS

(51) International classification :C10G45/02,C10G49/20,C10G3/00

(31) Priority Document No :12196519.8 (32) Priority Date :11/12/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/076123

No :10/12/2013

Filing Date (87) International Publication

(87) International Publication :WO 2014/090822

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant:

1)STUDIENGESELLSCHAFT KOHLE MBH Address of Applicant : Kaiser Wilhelm Platz 1 45470

M¹/₄lheim Germany (72)Name of Inventor: 1)RINALDI Roberto 2)WANG Xingyu

(57) Abstract:

The present invention discloses a process for the conversion of phenolics into aromatic hydrocarbons. In more detail the present invention refers to a process for the selective hydrodeoxygenation of phenolic feeds into aromatic hydrocarbons such as benzene toluene alkylbenzenes and others. The selective catalytic hydrodeoxygenation is performed in absence of external supply of molecular hydrogen.

No. of Pages: 27 No. of Claims: 14

(21) Application No.4347/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: 'FTY720 HALOGENATED DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C 215/28 :09178664.0 :10/12/2009 :EPO :PCT/EP2010/069169 :08/12/2010 :WO 2011/070066 :NA :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant: LICHTSTRASSE 35, CH-4056 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)AUBERSON YVES 2)BRIARD EMMANUELLE 3)ORAIN DAVID
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# (57) Abstract:

There is provided new iodo- or bromo-compounds and their use as diagnostic agents and imaging agents for diseases or disorders where SIP receptor expression is altered.

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

(21) Application No.4347/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: AUTO INJECTOR ASSEMBLY

(51) International classification :A61M5/20,A61M5/28,A61M5/31 (71)Name of Applicant :

:WO 2014/080020

(31) Priority Document No :1221086.0 (32) Priority Date :23/11/2012

(33) Name of priority country :U.K.

(86) International Application :PCT/EP2013/074647

No

:25/11/2013 Filing Date

(87) International Publication

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

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

(57) Abstract:

1)NEW INJECTION SYSTEMS LTD

Address of Applicant: Unit 64 Basepoint Business Centre 70 72 The Havens Ransomes Europark Ipswich Suffolk IP3 9BF

U.K.

(72) Name of Inventor:

1)DUNNE Stephen

opening. A biasing means such as a spring is coupled to the piston and acts to bias the piston towards the seal thereby pressurising the liquid medicament. The assembly also comprises a hypodermic needle and a removable needle cap for maintaining the hypodermic needle in sterile conditions until use. A means for establishes fluid communication between the chamber and the hypodermic needle such that the pressurised liquid medicament is automatically delivered through the hypodermic needle when communication has been established.

An auto injector assembly comprises a medicament container defining a substantially cylindrical chamber containing a liquid medicament. A proximal end of the chamber is closed by a piston and a distal end of the chamber is closed by a seal spanning an

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

(21) Application No.4348/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHODS FOR GENERATING HIGH ASPECT RATIO POLYMERIC PARTICLES COMPRISING AN ACTIVE INGREDIENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:12/11/2010 :WO 2011/060210 :NA	(71)Name of Applicant:  1)SYGENTA PARTICIPATIONS AG Address of Applicant: SCHWARZWALDALLEE 215, CH- 4058 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)FOWLER JEFFREY 2)SEJONG KIM
* *	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to methods for generating polymeric particles which comprise one or more active ingredients. The invention also relates to the use of such polymeric particles as a seed treatment. The present technology provides an improved seed treatment suitable for applying plant propagation materials. The seed treatment of the present technology includes the use of high aspect-ratio particles as a seed treatment. The present technology has been found to have advantageous properties associated with the seed treatment including increased adherence of the formulation to the seed and reduced tendency to dust off.

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

(21) Application No.4348/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHODS OF CONTROLLING FUNGAL PATHOGENS USING POLYENE FUNGICIDES

(51) International (71)Name of Applicant: :A01N43/04,A01N43/90,A01N63/02 classification 1)BAYER CROPSCIENCE LP (31) Priority Document No :61/731468 Address of Applicant: A Delaware Limited Partnership 2 T.W. (32) Priority Date :29/11/2012 Alexander Drive Research Triangle Park NC 27709 U.S.A. (72) Name of Inventor: (33) Name of priority :U.S.A. country 1) GUILHABERT GOYA Magalie (86) International 2)MARGOLIS Jonathan S. :PCT/US2013/072198 Application No :27/11/2013 Filing Date (87) International :WO 2014/085565 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

# (57) Abstract:

The present invention relates to the control of fungal pathogens such as pathogens that cause sudden death syndrome in plants by applying one or more polyene fungicides to a plant seed soil and/or plant roots.

No. of Pages: 32 No. of Claims: 18

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHALCONES AS ENHANCER OF ANTIMICROBIAL AGENTS

		(71)Name of Applicant :
(51) International classification	:A61K 31/00	1)COLGATE-PALMOLIVE COMPANY
(31) Priority Document No	:NA	Address of Applicant :300 PARK AVENUE, NEW YORK,
(32) Priority Date	:NA	NY 10022, U.S.A. U.S.A.
(33) Name of priority country	:NA	2)INDIAN INSTITUTE OF INTEGRATIVE MEDICINE
(86) International Application No	:PCT/US2009/068688	(72)Name of Inventor:
Filing Date	:18/12/2009	1)SUBRAMANYAM RAVI
(87) International Publication No	:WO 2011/075136	2)DU-THUMM LAURENCE
(61) Patent of Addition to Application	:NA	3)QAZI GHULAM NABI
Number	:NA :NA	4)KHAN INSHAD ALI
Filing Date	.INA	5)SURI KRISHAN AVTAR
(62) Divisional to Application Number	:NA	6)SATTI NARESH KUMAR
Filing Date	:NA	7)ALI FURQAN
		8)KALIA NITIN PAL

# (57) Abstract:

Compounds are described that are effective in enhancing the efficacy of antimicrobial agents. Also described are methods of using such compounds and compositions that include such compounds. The composition includes a chalcone compound and, optionally, an antimicrobial agent.

No. of Pages: 47 No. of Claims: 32

(21) Application No.4349/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INK COMPOSITION AND PRINTING METHOD

:NA

:NA

:NA

:NA

(51) International classification :C09D11/00,B41J2/01,B41M5/00 (71)Name of Applicant: (31) Priority Document No :2012259398 1)NIPPON KAYAKU KABUSHIKI KAISHA (32) Priority Date :28/11/2012 Address of Applicant: 1 1 Marunouchi 2 chome Chiyoda ku (33) Name of priority country Tokyo 1000005 Japan :Japan (72) Name of Inventor: (86) International Application :PCT/JP2013/081622 1)KONDO Asako :25/11/2013 Filing Date 2)SUZUKI Yuji (87) International Publication :WO 2014/084161

Filing Date (57) Abstract :

Number

(61) Patent of Addition to

(62) Divisional to Application

**Application Number** 

Filing Date

Provided are: an ink composition for ink jet printing use which has good re dispersibility after being dried and does not undergo the change in properties of the ink even when stored for a long period; and an ink jet printing method and a dyeing method each using the ink composition. The ink composition according to the present invention comprises: a pigment; water; a polymer (D) composed of at least two monomers independently selected from the group consisting of a monomer (A) a monomer (B) and a monomer (C) respectively represented by specific formulae; a styrene butadiene resin; a water soluble organic solvent; and a nonionic surfactant.

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

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: WOOD FUELLED HEATING STOVE

(51) International classification	:F24B5/04,F24B1/02	(71)Name of Applicant:
(31) Priority Document No	:2012904682	1)BOWERS Neal Alexander
(32) Priority Date	:26/10/2012	Address of Applicant :34 Cedardell Crt Yugar Queensland
(33) Name of priority country	:Australia	4520 Australia
(86) International Application No	:PCT/AU2013/001237	(72)Name of Inventor:
Filing Date	:24/10/2013	1)BOWERS Neal Alexander
(87) International Publication No	:WO 2014/063200	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A wood fuelled heating stove including: a stove portion having a stove chamber therein and an fine mesh charcoal basket dividing the stove chamber into upper and lower chambers; a reduction portion having a primary combustion chamber therein and at least partly within the upper chamber of the stove chamber and having a primary grating vertically separating the primary combustion chamber from the upper chamber; an air jacket surrounding at least some of the primary combustion chamber and having a plurality of ports providing fluid communication between the primary combustion chamber and the air jacket and a primary grating providing limited flow of mobile solids and fluid between the primary combustion chamber and the stove chamber; an air passage providing fluid communication from the outside of the stove chamber to the air jacket and to the inside of the stove chamber; and a flue passage providing fluid communication from the lower chamber of the stove chamber to a flue outlet at a level above the primary combustion chamber and upper level of the stove chamber.

No. of Pages: 43 No. of Claims: 12

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: METHOD FOR TRANSMITTING AND RECEIVING DATA

(51) International :H04W28/06,H04L12/951,H04L29/08

(31) Priority Document No :2012255202 (32) Priority Date :21/11/2012

(33) Name of priority country :Japan

(86) International

Application No :PCT/JP2013/006200

Filing Date :21/10/2013

(87) International Publication No :WO 2014/080568

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

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

(71)Name of Applicant:

1)NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

Address of Applicant :4 2 1 Nukui Kitamachi Koganei shi

Tokyo 1848795 Japan (72)Name of Inventor:
1)KOJIMA Fumihide
2)HARADA Hiroshi

### (57) Abstract:

A method for transmitting and receiving data which enables power consumption to be effectively restrained is provided. Said method is for transmitting and receiving data between a plurality of nodes. The method for transmitting and receiving data is provided with: a determination step that is performed in one node and involves determining whether or not the data size of data to be transmitted is less than or equal to a transmittable data size; a splitting step in which data to be transmitted that is larger than the transmittable data size is split into a plurality of intermediate data such that the data size becomes less than or equal to the transmittable data size; a transmission data generation step in which a split header is appended to each of the plurality of intermediate data and a plurality of transmission data is generated; a transmission step in which the plurality of transmission data is transmitted to another node; a reception step that is performed in the other node and involves receiving the plurality of transmission data transmitted from the one node; and a restoration step in which the plurality of transmission data that was received is integrated on the basis of the information in the split headers so as to restore the transmitted data.

No. of Pages: 58 No. of Claims: 6

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: METHOD FOR TRANSMITTING AND RECEIVING DATA

(51) International :H04W52/02,H04W56/00,H04W84/18 classification

(31) Priority Document No :2012255206 :21/11/2012 (32) Priority Date (33) Name of priority

:Japan country

(86) International :PCT/JP2013/006201

Application No :21/10/2013 Filing Date

(87) International

:WO 2014/080569 **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)NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

Address of Applicant: 4 2 1 Nukui Kitamachi Koganei shi

Tokyo 1848795 Japan (72) Name of Inventor: 1)KOJIMA Fumihide 2)HARADA Hiroshi

### (57) Abstract:

Filing Date

A method for transmitting and receiving data which enables power consumption to be effectively restrained is provided. Said method is for transmitting and receiving data between nodes and involves each of a plurality of nodes that periodically wait at specific intervals. The method for transmitting and receiving data is provided with: a detection step in which one node detects another node that is available to communicate; a continuous transmission step in which the one node transmits notification information representing a data transmission timing to the other node multiple times in succession at a prescribed interval; a notification waiting step in which the other node which receives the notification information while periodically waiting waits for data in accordance with the data transmission timing indicated in the notification information; a notification transmission step in which the one node transmits data to the other node in accordance with the data transmission timing for the notification information; and a notification receiving step in which the other node receives the data transmitted from the one node in accordance with the notification data transmission timing.

No. of Pages: 49 No. of Claims: 5

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention: A METHOD OF PRODUCING AN IMMUNOGENIC CONJUGATE

(51) International classification	:C07K	(71)Name of Applicant :
		1 ' '
(31) Priority Document No	:60/530,481	1)ELAN PHARMA INTERNATIONAL LIMITED
(32) Priority Date	:17/12/2003	Address of Applicant :800 GATEWAY BOULEVARD,
(33) Name of priority country	:U.S.A.	SOUTH FRANCISCO, CALIFORNIA 9480, UNITED STATES
(86) International Application No	:PCT/US04/044093	OF AMERICA U.S.A.
Filing Date	:17/12/2004	2)WYETH LLC
(87) International Publication No	:WO 2005/058941	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)RASAPPA G. ARUMUGHAM
Number		2)KRISHNA A. PRASAD
Filing Date	:NA	
(62) Divisional to Application Number	:3396/DELNP/2006	
Filed on	:13/06/2006	

#### (57) Abstract:

A method of producing an immunogenic conjugate, comprising the steps of: (a) derivatizing one or more functional groups of a carrier protein to generate an activated functional group on the carrier protein, wherein the carrier protein is selected from the group consisting of CRM197, Streptococcus pyogenes ORF1224, Streptococcus pyogenes ORF1664, Streptococcus pyogenes ORF2452, and Chlamydia pneumoniae ORF T858; (b) reacting a peptide immunogen comprising an A fragment with the carrier protein of step (a) under conditions to form a conjugate, wherein the peptide immunogen is covalently attached to the activated functional group on the carrier protein; and (c) further reacting the conjugate of step (b) with a capping reagent to inactivate any remaining activated functional group on the carrier protein to generate the immunogenic conjugate, whereby the functionality of the carrier protein is preserved such that it retains its ability to elicit the desired immune responses against the peptide immunogen that would otherwise not occur without a carrier, wherein the conjugate has the formula: wherein C is the carrier protein, Xd is a derivatized functional group of the carrier protein, P is the peptide immunogen, R is a capping molecule formed by reaction of the conjugate with the capping reagent in step (c), n is an integer greater than 0, but less than or equal to 38.

No. of Pages: 117 No. of Claims: 33

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SEAL ASSEMBLY AND NECK SEAL FOR ROLLING MILL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:B21B31/07 :61/756506 :25/01/2013 :U.S.A. :PCT/US2014/012168 :20/01/2014 :WO 2014/116531 :NA	(71)Name of Applicant:  1)SIEMENS INDUSTRY INC.  Address of Applicant: 3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor:  1)JOHANSON Eric L.  2)WINSLOW Jr. Earl S.  3)PALFREMAN Matthew D.
<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)PALFREMAN Matthew D. 4)WOJTKOWSKI Jr. Thomas C. 5)OSGOOD Peter N.

#### (57) Abstract:

A seal assembly for use in an oil film bearing rotatably supporting a roll in a rolling mill. The seal assembly includes a flexible seal 24a mounted on a tapered intermediate section 14 of the roll neck for rotation with the roll and within a fixed circular seal end plate 36a. The seal end plate has a stepped interior defining annular inboard 32a and outboard 34a sealing surfaces with the outboard sealing surface having a diameter larger than the diameter of the inboard sealing surface. The flexible seal has inboard 26a and outboard 28a flanges projecting radially into contact respectively with the inboard and outboard sealing surfaces of the seal end plate.

No. of Pages: 12 No. of Claims: 10

(21) Application No.4355/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : 2,3-DIMETHYL-8-(2,6-DIMETHYLBENZYLAMINO)-N-HYDROXYETHYL-IMIDAZO[1,2,-A]PYZDINE-6-CARBOXAMIDE MESYLATE SALT AND CRYSTALLINE FORMS THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:0303451.9 :18/12/2009 :Sweden	(71)Name of Applicant:  1)ASTRAZENECA AB Address of Applicant:S-151 85 SODERTALJE, SWEDEN, Sweden (72)Name of Inventor:  1)LARS LILLJEQUIST 2)MARIA LINDKVIST 3)PETER NORDBERG 4)URSULA PETTERSSON 5)TESFAI SEBHATU
Filing Date (62) Divisional to Application Number Filed on	:3006/DELNP/2006 :25/05/2006	

# (57) Abstract:

The present invention relates to 2,3-dimethyl-8-(2,6-dimethylbenzylamino)-N-hydroxyethyl-imidazo[1,2-a]pyzdine-6-carboxamide mesylate salt and crystalline forms thereof. The present invention also relates to a pharmaceutical formulation comprising at least one of the crystalline forms.

No. of Pages: 56 No. of Claims: 15

(21) Application No.4356/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HYDROGENATION PROCESS

(#4) X	G0=G 00 // =	
(51) International classification	:C07C 29/17	(71)Name of Applicant:
(31) Priority Document No	:10000862.2	1)DSM IP ASSETS B.V.
(32) Priority Date	:28/01/2010	Address of Applicant :HET OVERLOON 1, NL - 6411 TE
(33) Name of priority country	:EUROPEAN	HEERLEN, THE NETHERLANDS, Netherlands
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/051197	1)BONRATH, WERNER
Filing Date	:28/01/2011	2)MUELLER, THOMAS
(87) International Publication No	:WO 2011/092280	3)KIWI-MINSKER, LIOUBOV
(61) Patent of Addition to Application	:NA	4)RENKEN, ALBERT
Number		5)IOURANOV, IGOR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a process of reacting specific compounds, which are defined below with hydrogen in the presence of a structured catalyst based on sintered metal fibers (SMF) coated by a ZnO layer with Pd-nanoparticles, to reactions of these specific compounds with hydrogen in the presence of said catalyst and an organic base as well as to vitamins, carotinoids, perfume ingredients, and/or food or feed ingredients prepared by using this reaction.

No. of Pages: 16 No. of Claims: 24

(21) Application No.4357/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PRODUCTION PROCESS FOR CEPHRADINE

(51) International classification	:C12P 35/04	(71)Name of Applicant :
(31) Priority Document No	:09179015.4	1)DSM SINOCHEM PHARMACEUTICALS
(32) Priority Date	:14/12/2009	NETHERLANDS B.V.
(33) Name of priority country	:EUROPEAN	Address of Applicant :ALEXANDER FLEMINGLAAN 1,
(33) Name of priority country	UNION	NL-2613 AX DELFT, THE NETHERLANDS, Netherlands
(86) International Application No	:PCT/EP2010/069575	(72)Name of Inventor:
Filing Date	:14/12/2010	1)MOODY, HAROLD MONRO
(87) International Publication No	:WO 2011/073166	2)VAN DOOREN, THEODORUS JOHANNES GODFRIED
(61) Patent of Addition to Application	:NA	MARIA
Number	:NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a process for preparing cephradine, said process comprising converting D-dihydrophenylglycine (DHPG) into an activated form (DHPGa); and reacting 7-aminodesacetoxy-cephalosporanic acid (7-ADCA) with D-dihydrophenylglycine in activated form (DHPGa) in the presence of an enzyme in an aqueous reaction mixture to form cephradine characterized in that at least step (a) and step (b) of the process are carried out under anaerobic conditions.

No. of Pages: 26 No. of Claims: 10

(21) Application No.4364/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PERFUMES AND PERFUME ENCAPSULATES

(51) International classification	:A61K 8/11	(71)Name of Applicant:
(31) Priority Document No	:61/287,795	1)THE PROCTER & GAMBLE COMPANY
(32) Priority Date	:18/12/2009	Address of Applicant :ONE PROCTER & GAMBLE PLAZA,
(33) Name of priority country	:U.S.A.	CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/060662	U.S.A.
Filing Date	:16/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/075551	1)DENUTTE, HUGO, ROBERT GERMAIN
(61) Patent of Addition to Application	:NA	2)CLARE, JONATHAN, RICHARD
Number	:NA	3)MEDINA, JAVIER
Filing Date	.IVA	4)CUNNINGHAM, PHILIP, ANDREW
(62) Divisional to Application Number	:NA	5)SMETS, JOHAN
Filing Date	:NA	6)ORLANDINI, LAURA

#### (57) Abstract:

The present application relates to perfume compositions, delivery systems comprising such perfumes products comprising such perfumes and/or delivery systems, and processes for making and using same. Such perfumes and delivery systems provide improved perfume performance under high soil conditions and in cold water washing and a shell that at least partially surrounds said core.

No. of Pages: 49 No. of Claims: 9

(21) Application No.4364/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: SLIDING MEMBER

(51) International classification	:F16C33/20	(71)Name of Applicant:
(31) Priority Document No	:2012262568	1)SUMITOMO ELECTRIC SINTERED ALLOY LTD.
(32) Priority Date	:30/11/2012	Address of Applicant :2901 Nariwa Nariwa cho Takahashi shi
(33) Name of priority country	:Japan	Okayama 7160192 Japan
(86) International Application No	:PCT/JP2013/078817	2)SUMITOMO ELECTRIC FINE POLYMER INC.
Filing Date	:24/10/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/083978	1)YOSHIDA Kentaro
(61) Patent of Addition to Application	:NA	2)KOSUGE Toshiyuki
Number		3)IKEDA Kazuaki
Filing Date	:NA	4)NAGAOKA Yasunori
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The purpose of the present invention is to provide a sliding member having sufficient abrasion resistance and excellent adhesion to a sintered compact which is a matrix. The sliding member has a surface layer composed of a cross linked fluororesin and a matrix that adheres closely to the surface layer. The matrix is a sintered compact having a true density ratio of 0.75 to 0.96. The matrix is composed of a material having higher thermal conductivity than a fluororesin and the thickness of the surface layer is 1 to  $300 \mu m$ .

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

(21) Application No.4365/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A POROUS, DISSOLVABLE SOLID SUBSTRATE AND A CATIONIC SURFACTANT CONDITIONER 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></ul>	:A61K 8/02 :61/267,677 :08/10/2009 :U.S.A.	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OH 45202, UNITED STATES OF AMERICA
(86) International Application No Filing Date (87) International Publication No	:PCT/US2010/059365 :08/12/2010 :WO 2011/071969	
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	2)KAUFMAN, KATHLEEN, MARY
Filing Date	:NA	

### (57) Abstract:

The present invention relates to personal care compositions, especially those personal care compositions in the form of a personal care article that is a porous dissolvable solid substrate. The porous dissolvable solid substrate has a surface resident coating comprising the cationic surfactant conditioner active that can provide a conditioning benefit.

No. of Pages: 49 No. of Claims: 15

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VEHICLE BODY LOWER PORTION STRUCTURE WITH SIDE COLLISION SENSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B62D25/20 :NA :NA :NA :NA :PCT/JP2012/081195 :30/11/2012 :WO 2014/083704 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)KIN Tetsumasa 2)SHIGEISHI Kento
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

Provided is a vehicle body lower portion structure provided with a side collision sensor which can detect a collision earlier because of the improvement of the structure of the body. A first load transmission member (40) having a substantially Z shaped vertical cross section is disposed within the closed cross section (30) of a rocker (12). A first joint section (40B) of the first load transmission member (40) is joined while being sandwiched between the upper flange (26D) of a rocker outer panel (26) and the upper flange (28D) of the rocker inner panel (28) and a second joint section (40C) is joined to the intermediate section in the height direction of the vertical wall section (26A) of the rocker outer panel (26). The body section (40A) obliquely connects the first joint section (40B) and the second joint section (40C) and is adapted to transmit a load toward the upper wall section (28B) of the rocker inner panel (28) through the shortest distance the load being inputted into the rocker outer panel (26) during a side collision.

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention: DRY POWDER INHALER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:20/10/2010 :WO 2011/049541 :NA :NA	(71)Name of Applicant:  1)BILGIC, MAHMUT  Address of Applicant: TOZKOPARA MAH. GENERAL ALI RIZA GURCAN CAD. MERTER IS, MERKEZI BAGIMSIZ BOLUM NO. 2/8 MERTER/ISTANBUL, 34173 (TR). Turkey (72)Name of Inventor:  1)BILGIC, MAHMUT
(62) Divisional to Application Number Filing Date	:NA :NA	

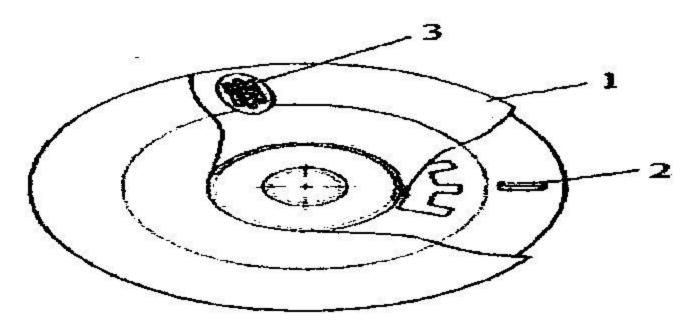
(21) Application No.4366/DELNP/2012 A

### (57) Abstract:

(19) INDIA

The present invention relates to a dry powder inhaler, which is reliable and user friendly and is used for administering a dry powder medicament containing one or more active agents from the elongated, peelable blister strip via inhalation route.

# Figure 1



No. of Pages: 34 No. of Claims: 36

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROCESS MONITORING/DIAGNOSIS DEVICE AND PROCESS MONITORING/DIAGNOSIS PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G05B23/02 :2012247560 :09/11/2012 :Japan :PCT/JP2013/073998 :05/09/2013 :WO 2014/073261 :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1 1 Shibaura 1 chome Minato ku Tokyo 1058001 Japan (72)Name of Inventor:  1)YAMANAKA Osamu 2)HIRAOKA Yukio 3)YOSHIZAWA Naoto 4)SUGINO Toshiharu
Filing Date	:NA	

#### (57) Abstract:

A process monitoring/diagnosis device equipped with a classification unit a model formulation unit having an identification unit and a fault detection data definition unit and a monitoring/diagnosis unit having an extraction unit and a fault level assessment unit. The classification unit classifies process data or time series data on the basis of attribute information. The identification unit creates regular pattern data and irregular pattern data from the classified time series data. The fault detection data definition unit creates fault diagnosis models on the basis of the irregular pattern data. The extraction unit extracts degrees of deviation with respect to the regular pattern data of the classified process data. The fault level assessment unit applies the degrees of deviation to the fault diagnosis models calculates fault detection data and a threshold value and assesses a fault level on the basis of whether the fault detection data exceeds the threshold value.

No. of Pages: 67 No. of Claims: 16

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF SOLOMONAMIDES ANALOGUES

(#4) T	G05775/0.60	
(51) International classification	:C07K5/062	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDAHN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DUMABALA SRINIVASA REDDY
(61) Patent of Addition to Application Number	:NA	2)KASHINATH KORMIRISHETTY
Filing Date	:NA	3)VASUDEVAN NATRAJAN
(62) Divisional to Application Number	:	
Filed on	:01/01/1900	

# (57) Abstract:

The invention disclosed herein relates to novel solomonamide analogues of formula I having anti-inflammatory activity and viable synthetic route for the preparation thereof.

No. of Pages: 30 No. of Claims: 8

(21) Application No.4374/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012

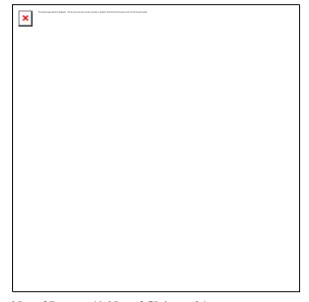
(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHODS FOR PRODUCING HYDROCARBON PRODUCTS FROM BIO-OILS AND/OR COALOILS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C10G 3/00 :580653 :27/10/2009 :New Zealand :PCT/NZ2010/000215 :27/10/2010 :WO 2011/053166 :NA :NA	(71)Name of Applicant:  1)IGNITE ENERGY RESOURCES LIMITED  Address of Applicant:56 GINDURRA ROAD, SOMERSBY,  NSW 2250, AUSTRALIA Australia (72)Name of Inventor:  1)MAXWELL, IAN ERNEST
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for producing a hydrocarbon product from coal and/or biomass comprising the following steps: converting the coal to a coal-oil and/or converting the biomass to bio-oil, optionally processing the coal-oil and/or bio-oil in a hydroprocessing reaction to remove one or more of oxygen, nitrogen or sulfur from hydrocarbon compounds in the coal-oil and/or bio-oil; and using at least a portion of the coal-oil and/or bio-oil as a feedstock in a cracking reaction to convert hydrocarbon compounds in the feedstock into a mixture of smaller hydrocarbon compounds comprising the hydrocarbon product.



No. of Pages: 49 No. of Claims: 24

(21) Application No.4374/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: AUTOMATIC TRANSACTION DEVICE

(51) International classification :G07D9/00,B65H5/06,G07D1/00 (71)Name of Applicant:

:07/10/2013

(31) Priority Document No :2012266261 (32) Priority Date :05/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/077267 No

Filing Date

(87) International Publication No:WO 2014/087732

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

:NA Number :NA Filing Date

1)OKI ELECTRIC INDUSTRY CO. LTD.

Address of Applicant: 17 12 Toranomon Minato ku Tokyo

1058460 Japan

(72) Name of Inventor:

1)MATSUOKA Gentaro

#### (57) Abstract:

This automatic transaction device has: a guide having a conveyance surface for conveying paper sheets and extending along the direction of conveyance of the paper sheets; a shaft that is held by the guide; and a roller that is supported rotatably by the shaft. The guide has: a roller groove at which the roller is disposed; and a pair of shaft grooves that are formed opposing each other sandwiching the roller groove and that respectively hold the two ends of the shaft. It may also be that the guide has a protruding section that protrudes in a direction perpendicular to the conveyance surface within the shaft grooves and the shaft has a hole into which the protruding section is inserted when held by the shaft groove. The guide may also have formed a protruding section that protrudes at a predetermined position at the inner surface of the shaft grooves contacting the shaft when the shaft is held in the shaft groove.

No. of Pages: 32 No. of Claims: 6

(21) Application No.4375/DELNP/2012 A

(19) INDIA

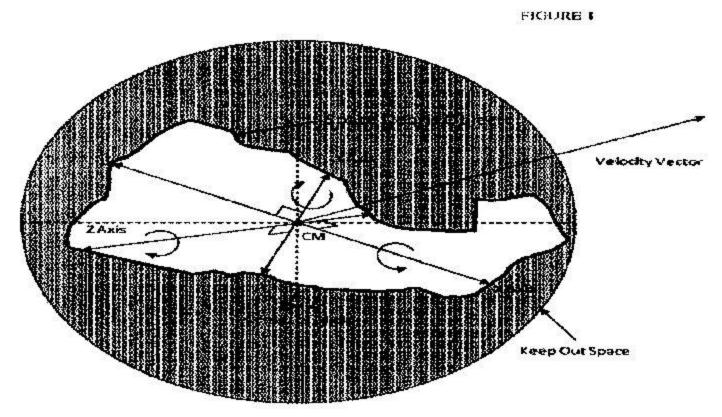
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STABILIZATION OF UNSTABLE SPACE DEBRIS

(51) International classification	:B64G 1/66	(71)Name of Applicant:
(31) Priority Document No	:61/264,386	1)POULOS AIR & SPACE
(32) Priority Date	:25/11/2009	Address of Applicant :2010 GATES AVENUE, UNIT A,
(33) Name of priority country	:U.S.A.	REDONDO BEACH, CALIFORNIA 90278, UNITED STATES
(86) International Application No	:PCT/US2010/057665	OF AMERICA U.S.A.
Filing Date	:22/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/066233	1)POULOS, DENNIS
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein, in certain embodiments, is a method of altering the stability of unstable space debris. In some embodiments, the method further comprises changing the orbit of the unstable space debris.



No. of Pages: 52 No. of Claims: 23

(21) Application No.4375/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING AND SHARING A FILE PRESENTED DURING A MEETING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H04L29/06 :13/688918 :29/11/2012 :U.S.A. :PCT/US2013/064554 :11/10/2013 :WO 2014/084970 :NA :NA	(71)Name of Applicant: 1)CITRIX SYSTEMS INC. Address of Applicant:851 West Cypress Creek Road Fort Lauderdale Florida 33309 U.S.A. (72)Name of Inventor: 1)CHRISTIANSEN Bernd Oliver
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and method for sharing a file presented during a meeting are described. In some aspects an operating system of a first client computing device of a presenter in an online meeting is monitored during the online meeting. The first client computing device of the presenter is engaged in screen sharing with a second client computing device of at least one other participant in the online meeting. That one or more files accessible via the operating system are being presented in the online meeting is determined based on the monitoring. The one or more files are provided to a set of users in response to determining that the one or more files are being presented in the online meeting.

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

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POLARIZATION RESISTANT SOLAR CELL

(51) International classification	:H01L 31/0216	(71)Name of Applicant :
(31) Priority Document No	:61/279,842	1)CALISOLAR, INC.
(32) Priority Date	:27/10/2009	Address of Applicant :985 ALMANOR AVENUE,
(33) Name of priority country	:U.S.A.	SUNNYVALE, CALIFORNIA 94085-2903, UNITED STATES
(86) International Application No	:PCT/US2010/002845	OF AMERICA U.S.A.
Filing Date	:27/10/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/056201	1)PHAN, BILL
(61) Patent of Addition to Application	:NA	2)ZHANG, RENHUA
Number	:NA	3)GORMAN, JOHN
Filing Date	.IVA	4)SIDELKHEIR, OMAR
(62) Divisional to Application Number	:NA	5)BLOSSE, ALAIN, PAUL
Filing Date	:NA	6)KAES, MARTIN

### (57) Abstract:

A polarization resistant solar cell is provided. The solar cell uses a dual layer dielectric stack disposed on the front surface of the cell. The dielectric stack consists of a passivation layer disposed directly on the front cell surface and comprised of either SiOx or SiON, and an outer AR coating comprised of SiCN.

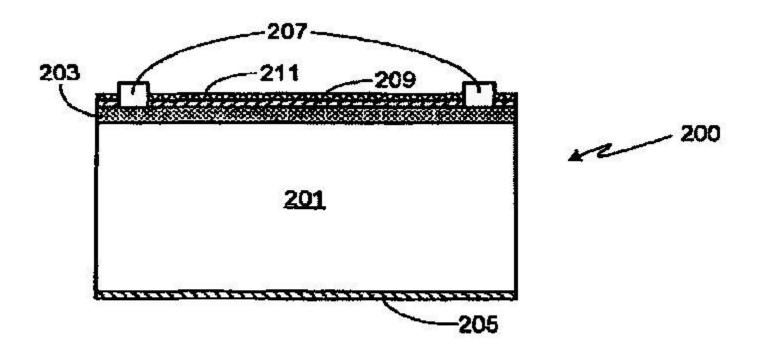


FIG. 2

No. of Pages: 12 No. of Claims: 13

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: METHODS OF ACTIVATING METAL COMPLEXES FOR CATALYSTS

(51) International classification: B01J37/12,B01J38/12,B01J23/46 (71) Name of Applicant: (31) Priority Document No :61/719840 1) THE REGENTS OF THE UNIVERSITY OF (32) Priority Date :29/10/2012 **CALIFORNIA** (33) Name of priority country Address of Applicant: 1111 Franklin Street Oakland CA :U.S.A. (86) International Application 94607 5200 U.S.A. :PCT/US2013/067303 (72) Name of Inventor: No :29/10/2013 Filing Date 1)KATZ Alexander (87) International Publication 2) RUNNEBAUM Ron C. :WO 2014/070765 3)OKRUT Alexander (61) Patent of Addition to 4)OUYANG Xiaoying :NA **Application Number** 5)BUSYGIN Igor :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The present invention is directed to the activation of metal carbonyl clusters by an oxidative agent to prepare a stable metal cluster catalyst exhibiting catalytic rate enhancement. The activation comprises for example using oxygen for decarbonylation of carbonyl ligands and changing the oxidation state of the other ligands. In one aspect treatment of the metal cluster catalyst under oxidative conditions in a flow reactor leads to removal of CO ligands and oxidation of bound calixarene phosphine ligands and results in a stable activated open metal cluster that is more active for ethylene hydrogenation catalysis. The resulting metal cluster contains coordinatively unsaturated sites comprising carbonyl vacancies. In one aspect the resulting activated open metal cluster can be used as a catalyst in a variety of chemical transformations.

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

(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

### (54) Title of the invention: COVER FOR ELECTRONIC EQUIPMENT, COMPRISING FASTENING 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>	:21/10/2010 :WO 2011/049527 :NA :NA	(71)Name of Applicant:  1)CLAMCO INVEST AB  Address of Applicant:RONNVAGEN 6B, S - 191 41  SOLLENTUNA, SWEDEN Sweden  (72)Name of Inventor:  1)LOHMAN, BERTIL
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Cover (200) of 19-inch rack type for electronic equipment, wherein the cover comprises a fastening device (700) compris¬ing a front face (710), which is arranged to be oriented facing out from the rack system, a rear side (711), two op¬posing side faces (712,713), as well as a bottom (714) and a top (715) face, wherein the fastening device is arranged to be fixed to the cover using a first fastening means (720a), extending a certain distance out from the side face (230) of the cover, and fastened to the stand using a second fastening means (721a) so that the rear face of the fastening device is arranged oriented facing towards the stand, whereby the cover can be fixed to the stand. The invention is characterised in that the fastening device comprises a cavity (750) between the front face and the rear face, comprising an opening (751) and arranged with gripping means (752) for fingers, so that a user can insert one or several fingers through the opening and pull the cover out from its place in the rack system using the gripping means.

No. of Pages: 27 No. of Claims: 12

(21) Application No.4384/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: COMPOUNDS AND THEIR METHODS OF USE

:PCT/CN2012/085023

:PCT/CN2013/001428

(51) International :C07D417/08,C07D417/14,C07D413/08 classification

:China

:NA

:21/11/2013

(31) Priority Document

(32) Priority Date :22/11/2012

(33) Name of priority

country

(86) International

Application No Filing Date

(87) International

:WO 2014/079150 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)AGIOS PHARMACEUTICALS INC.

Address of Applicant :38 Sidney Street Cambridge

Massachusetts 02139 U.S.A.

(72) Name of Inventor:

1)LEMIEUX Rene M.

2)POPOVICI MULLER Janeta 3)SALITURO Francesco G. 4)SAUNDERS Jeffrey O.

5)TRAVINS Jeremy M.

6)CHEN Yongsheng

### (57) Abstract:

Provided are compounds of formula (I) which can inhibit glutaminase. Pharmaceutical compositions comprising these compounds and uses as glutaminase inhibitors for treating cancers thereof are also provided.

No. of Pages: 237 No. of Claims: 20

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METAL PROFILE, FASTENING DEVICE AND COVER COMPRISING A FASTENING SYSTEM INCLUDING THE METAL PROFILE AND THE FASTENING DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:F16B 2/24 :0950786-4 :23/10/2009 :Sweden	(71)Name of Applicant: 1)CLAMCO INVEST AB Address of Applicant:RONNVAGEN 6B, S- 191 41 SOLLENTUNA, SWEDEN Sweden (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	:21/10/2010 :WO 2011/049528 :NA :NA :NA	1)LOHMAN, BERTIL

#### (57) Abstract:

Metal profile (230,280) as well as with the metal profile cooperating fastening device (800,830,860), wherein the two-dimensional cross-section of the metal profile, perpendicu¬larly to the length of the profile, comprises a screw pocket (233). The invention is characterised in that the screw pocket com¬prises a hole (234), arranged to accommodate a screw which is inserted perpendicularly to the cross-section, as well as an opening (235) out from the hole, which opening is narrower than the cross-sectional dimension of the hole perpendicu¬larly to the main direction of extension (M) of the opening, and in that the screw pocket is arranged to accommodate, and therefore to engage with, the fastening device, which fasten¬ing device can be inserted into the screw pocket perpendicu¬larly to the cross-section and thereafter be slid in the screw pocket along the metal profile.

No. of Pages: 34 No. of Claims: 25

(21) Application No.4370/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : REACTION CASING FOR A PHOTOSYNTHETIC REACTOR AND ASSOCIATED PHOTOSYNTHETIC REACTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C12M 1/00 :0957933 :10/11/2009	(71)Name of Applicant: 1)MICROPHYT Address of Applicant:713 ROUTE DE MUDAISON 34670
(33) Name of priority country (86) International Application No	:France	BAILLARGUES FRANCE France (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:08/11/2010 :WO 2011/058267 :NA :NA	1)MULLER-FEUGA, ARNAUD 2)LEMAR, MICHEL
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A reaction casing (1) for photosynthetic reactor (2) designed firstly to float on a body of water and secondly to delimit a biphasic flow pathway for gas/liquid culture medium between a first (11) and a second (12) opening of the casing (1). The casing comprises two claddings, respectively outer (3) and inner (4), made at least in part of a material transparent to light rays, the inner cladding (4) extending inside the outer cladding (3) so that the said claddings delimit between them an inter-cladding space (10) in fluid connection with the first opening of the casing. The outer cladding has an open proximal end (30) and a closed distal end (31) and in the inner cladding has an open proximal end (40) in fluid connection with the second opening of the casing and a distal end (41) provided with at least one communication orifice (42) between the inside of the inner cladding and the inter-cladding space. The present invention finds application in the field of photosynthetic microorganism culture, algae in particular.

No. of Pages: 59 No. of Claims: 18

(21) Application No.4370/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ORAL CARE PRODUCTS COMPRISING ZINC OXIDE AND TRIMETHYLGLYCINE

(51) International classification (31) Priority Document No	:A61K8/27,A61K8/44,A61Q11/00 :NA	(71)Name of Applicant: 1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
(86) International Application	:PCT/US2012/070537	(72)Name of Inventor:
No	:19/12/2012	1)XU Guofeng
Filing Date	.19/12/2012	2)LIU Zhiqiang
(87) International Publication	:WO 2014/098829	3)PAN Long
No	. 11 0 2014/0/002/	4)KILPATRICK LIVERMAN LaTonya
(61) Patent of Addition to	:NA	5)YANG Ying
Application Number	:NA	6)STRANICK Michael A.
Filing Date		7)HAO Zhigang
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

# (57) Abstract:

Described herein are oral care compositions comprising a mixture of zinc oxide and trimethylglycine in free or orally acceptable salt form. Methods of making and using the compositions are also provided.

No. of Pages: 31 No. of Claims: 17

(21) Application No.4371/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING CHANNEL ASSIGNMENT INFORMATION USED TO SUPPORT UPLINK AND DOWNLINK CHANNELS

(51) International classification:H04Q 7/00(31) Priority Document No:60/523,049(32) Priority Date:18/11/2003(33) Name of priority country:U.S.A.

(86) International Application No :PCT/US2004/038683 Filing Date :18/11/2004

(87) International Publication No :WO 2005/050852

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

(62) Divisional to Application Number :3380/DELNP/2006 Filed on :12/06/2004 (71)Name of Applicant:

1)INTERDIGITAL TECHNOLOGY CORPORATION

Address of Applicant :3411 SILVERSIDE ROAD, CONCORD PLAZA, SUITE 105, HAGLEY BUILDING,

WILMINGTON DE 19810, U.S.A. U.S.A.

(72)Name of Inventor: 1)RUDOLF, MARIAN 2)DICK, STEPHEN, G. 3)PIETRASKI, PHILIP, J.

#### (57) Abstract:

A method and wireless communication system for providing channel assignment information used to support an uplink (UL) channel and a downlink (DL) channel. The system includes at least one Node-B and at least one wireless transmit/receive unit (WTRU). The WTRU communicates with the Node-B via a common control channel, the UL channel and the DL channel. The WTRU receives a message from the Node-B via the common control channel. The message includes an indication of whether the message is intended for assigning radio resources to the UL channel or the DL channel. The WTRU determines whether the message is for assigning radio resources to the UL channel or the DL channel. The WTRU takes an appropriate action based on whether the message is for assigning radio resources to the UL channel or the DL channel.

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

(21) Application No.4371/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015

(43) Publication Date: 27/11/2015

### (54) Title of the invention: STRUCTURAL ELEMENT FOR A BOTTLE CLOSURE WITH MEANS FOR SHOWING ITS FIRST USE IN NOMINAL CONDITIONS

(51) International

:B65D47/10,B29C45/00,B29C45/16

classification (31) Priority Document No

:12382409.6

(32) Priority Date

:22/10/2012

(33) Name of priority country: EPO

(86) International Application :PCT/EP2013/072080

No Filing Date

:22/10/2013

(87) International Publication :WO 2014/064110

(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)COMPA'IA DE TAPONES IRRELLENABLES S.A.

Address of Applicant :Ctra. Nacional IV km. 649 E 11500

Puerto de Santa Mara Cidiz Spain

(72) Name of Inventor:

1)TORRENT ORTEGA David

### (57) Abstract:

The present invention relates to a structural element for a bottle closure having means for showing a first use in nominal conditions. This structural element can be made from components such as a pouring dispenser or a frame. This structural element is characterised by the use of two components (12) which are linked such that the attachment between both disappears after the first use in nominal conditions when said structural element is mounted in the operating mode on the bottle. The first use in nominal conditions requires removing one of the components (1 2) and it cannot be put back in its original position restoring its also original attachment.

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

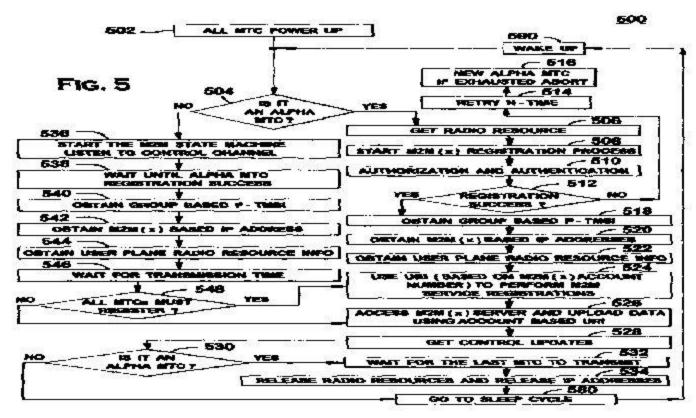
(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR MACHINE-TO-MACHINE COMMUNICATION REGISTRATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:12/11/2010 :WO 2011/062841	(71)Name of Applicant:  1)INTERDIGITAL PATENT HOLDINGS, INC. Address of Applicant: 3411 SILVERSIDE ROAD, CONCORD PLAZA, SUITE 105, HAGLEY BUILDING, WILMINGTON, DELAWARE 19810, U.S.A. U.S.A. (72)Name of Inventor: 1)SHAHEEN, KAMEL M.
(87) International Publication No		
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatus are disclosed for Machine to Machine (M2M) communication registration. The methods provide single and periodic registration and may be device or network based. The devices in the system may be divided into groups. A single device member may perform the basic access steps for the group. Other devices may receive related access information on a control channel and use the information to access the system. The devices may send data, get updates, and then go to sleep. Internet addresses may be released or maintained. During a control cycle, the devices may wake up and listen to the control channel for any paging messages. Individual devices or the entire group may access the system. During a reporting cycle, all the devices may wake up and access the system to connect to the M2M system to upload data.



No. of Pages: 92 No. of Claims: 15

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR RENEWABLE ENERGY STORE IN TEMPERATURE PRESSURE TANK OF ENERGY AND CONVERSION TO ELECTRICAL ENERGY

(51) International classification :F03B 13/00 (71)Name of Applicant: (31) Priority Document No 1)IWANOWSKI, KAARIUSZ KRZYSZTOF :PCT (32) Priority Date Address of Applicant :DRZYMALY 12/10, PL-70-217 :18/11/2009 SZCZECIN (PL) Poland (33) Name of priority country :PCT/PL2009/050035 (72)Name of Inventor : (86) International Application No Filing Date :18/11/2009 1)IWANOWSKI, KAARIUSZ KRZYSZTOF (87) International Publication No :WO 2011/062514 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The subject of the invention is a method and system for renewable energy store in temperature-pressure tank of energy and conversion to electrical energy. It makes possible conversion of variable stream of renewable energy, especially of wind, tide and the sun, to constant stream of electrical energy. Considerable part of renewable energy stream is accumulated in substance in artificial or natural tank (6). The heat collected in tank (6) is transferred to transmission agent, which as the gas with pressure drives turbine (11) and electrical generator (12). Renewable energy stream sensor (15) gives the information about actual renewable energy stream power to control system (3). Proper steering of: converter (4) /or mirror and heater in the sun energy system version/ and control modules (8, 10, 14, 13), additionally using of energy accumulated in rotating mass of turbine rotor (1) /in wind and tides energy system version/ gives possibility of receiving constant stream of electrical energy. While renewable energy stream is present, it is possible the simultaneous work of generator (2) with converter (4) /or mirror and heater in the sun energy system version/ and generator (12) what gives even two times bigger output power of the system. If conversion of voltage produced by converter (4) and/or generator (12) to voltage of electrical grid is needed transformer (16) can be used. Moreover transformer (16) power is lower than power of generator (2) /or mirror and heater in the sun energy system version/. It is worth of mentioning that in heat exchanger (14) additional stream of heat is received, which can be used for other purposes.

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

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PROTECTION AND CONTROL OF DUAL VOLTAGE MOTORS AND COMPRESSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10 2012 029646 2 :21/11/2012 :Brazil	(71)Name of Applicant:  1)WHIRLPOOL S.A.  Address of Applicant: Av. das Na§µes Unidas 12.995 32° andar Brooklin Novo CEP 04578 000 S£o Paulo SP Brazil (72)Name of Inventor:  1)PINI Silvia Helena
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a dual voltage protection system preferably for dual voltage motors that comprise a control for configuration of the coils generally used with hermetic cooling compressors. Such a protection system is preferably used on motors that comprise a first main coil (M1) and a second main coil (M2) the system having a control configured selectively establishing a connection of the first and second main coils (M1 M2) of the motor in series or in parallel as a function of the feed voltage (Vs) and a feedback circuit configured for generating an output voltage (Vout) as a function of the voltage of one of the first and second main coils (M1 M2) of the motor. One describes protection and control system as well as protection and control methods for motors that comprise a feedback circuit comprising a voltage divider in parallel with one of the first or second main coils (M1 M2) configured for generating an output voltage (Vout) as a function of a voltage of one of the first or second main coils (M1 M2); the control being additionally configured for detecting the organization of the first or second main coil (M1 M2) in series or in parallel as a function of the output voltage (Vout) as well as the operation state of the first energizing switch (K01) of the second energizing switch (K02) of the parallel switch (K03) and of the series switch (K04). Additionally the systems and methods are capable of detecting the operation state of the overload protectors (P1 P2) of the motor preferably overload protectors (P1 P2).

No. of Pages: 45 No. of Claims: 24

(21) Application No.4368/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A NOVEL METHOD FOR CREATING, SUSPENDING AND STABILIZING ELECTRONICALLY MODIFIED REACTION INTERMIDEATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:14/08/2011 :WO 2012/024196	(71)Name of Applicant:  1)MARKOU, DEMETRIOS  Address of Applicant: 6 SURREY LANE, BIO-OXIDATIVE SOLUTIONS INC, LEMONT ILLINOIS 60439 (US) U.S.A. (72)Name of Inventor:  1)MARKOU, DEMETRIOS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A bio compatible free radical suspension comprising of oxygen and electronically modified reaction intermediates, where a fluorocarbon is used as an inert medium for stabilization of reaction intermediates. A stabilized bio compatible electronically modified derivative suspension is produced by the subjecting a fluorocarbon to certain stressors, such as oxidizing agents, reactive intermediates, physiological gases, benzo-Y-pyrone derivatives, ultrasonic-cavitation, electric fields, magnetic fields, UV radiation, active metal catalyst, surfactant reactants, buffers, electrolytes, glucose, glucose derivatives, for the purpose of inducing a cascading immune response.

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

(21) Application No.4385/DELNP/2015 A

1)RAMOT AT TEL AVIV UNIVERSITY LTD.

University Campus P.O. Box 39296 61392 Tel Aviv Israel

Address of Applicant: The Senate Building Floor 1 Tel Aviv

(19) INDIA

(22) Date of filing of Application :21/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : AGENTS FOR TREATING GENETIC DISEASES RESULTING FROM NONSENSE MUTATIONS AND METHODS FOR IDENTIFYING THE SAME

(51) International classification :A61K31/7048,A61P25/00,A61P25/28

(31) Priority Document No :61/745651

(32) Priority Date :24/12/2012
(33) Name of priority

country :U.S.A.

(86) International Application No :PCT/IL2013/051058

Filing Date :24/12/2013

(87) International Publication No :WO 2014/102778

:NA

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

NA

:NA
:NA
:NA

A. (72)Name of Inventor:
1)ROSIN ARBESFELD Rina

2)CASPI Michal 3)MEGIDDO Dalia

(71)Name of Applicant:

### (57) Abstract:

Filing Date

Disclosed is treatment of genetic neurodegenerative or neurodevelopmental diseases that are caused by or associated with nonsense mutations or premature termination codons using macrolides. Further disclosed are methods for identifying agents that induce read through of nonsense mutations and premature termination codons and uses thereof.

No. of Pages: 86 No. of Claims: 60

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention: COVER FOR ELECTRONIC EQUIPMENT, COMPRISING CONTACTING 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> </ul>	:H05K 9/00 :0950788-0 :23/10/2009 :Sweden :PCT/SE2010/051140 :21/10/2010 :WO 2011/049526 :NA	(71)Name of Applicant:  1)CLAMCO INVEST AB Address of Applicant:RONNVAGEN 6B, S- 191 41 SOLLENTUNA, SWEDEN Sweden (72)Name of Inventor: 1)LOHMAN, BERTIL
` /		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Cover (200) for an electronic equipment, which cover com-prises a first and a second metal panel element (210,220,230,240), wherein respective first and second metal surface of the said panel element are arranged to be mechani¬cally joined together with good electric contacting using a connector (290,292,300) comprising a contacting device (310). The invention is characterised in that the contacting device comprises a) an elongated, wave-shaped metal compression spring part (320) with a direction of elongation (360) and a direction of motion (361), where the spring part is arranged to be compressed between the two respective metal surfaces against the spring force; b) a hook part (311) arranged on the spring part, arranged to grip around an edge (231a,232a) of the first panel element (230,240); and c) at least one projection (332), arranged on a surface facing towards the first metal surface when the hook part grips around the said edge, which projection is arranged to display different slid¬ing friction against the first metal surface depending on in which direction the spring part is caused to slide against the first metal surface.

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: FRICTION STIR BONDING METHOD AND FRICTION STIR BONDED SUBSTANCE

:B23K20/12,B23K103/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :2014028413

(32) Priority Date :18/02/2014 (33) Name of priority country :Japan

(86) International Application No

:PCT/JP2015/053595 Filing Date :10/02/2015

(87) International Publication No :WO 2015/125659

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

1) SUZUKI MOTOR CORPORATION

Address of Applicant: 300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

(72) Name of Inventor:

1)HATAKEYAMA Tomonobu

#### (57) Abstract:

Provided are a friction stir bonding method and friction stir bonded material with which when friction stir bonding metal members made from different metal materials to one another it is possible to prevent the exposure of a contact part in the joint at which the different metal materials come into contact with one another. In this friction stir bonding method in which two or more metal members (1 2) are overlaid upon one another a tool (10) is pressed against one of the metal members (1) and these two metal members (1 2) are friction stir bonded together when the tool (10) is positioned at the end (3) of the friction stir bond the tool (10) is withdrawn from one of the metal members (1) while being moved in the horizontal direction.

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

(21) Application No.4387/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

### (54) Title of the invention: COVER FOR ELECTRONIC EQUIPMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:21/10/2010 :WO 2011/049525 :NA :NA :NA	(71)Name of Applicant:  1)CLAMCO INVEST AB  Address of Applicant:RONNVAGEN 6B, S - 191 41  SOLLENTUNA, SWEDEN Sweden (72)Name of Inventor:  1)LOHMAN, BERTIL
Filing Date	:NA	

#### (57) Abstract:

Cover (200) for electronic equipment comprising at least two in relation to each other movable metal panel elements (210,220,230,240,250,260), wherein the panel elements are arranged to be joined together along respective edges of the panel elements, so that they in a joined together and in relation to each other immobile state form the cover. The invention is characterised in that the cover comprises a respective connector (290,291,292,300,400,500,600) for me¬chanical joining and good electric contacting along each one of the edges along which the panel elements are arranged to be joined together, in that each connector comprises a re¬spective resilient metal contacting device (310,410,510,610), which contacting device is arranged between the respectively joined together panel elements and in direct contact with both panel elements when the panel elements are in the joined together state, and thereby is compressed against the spring force (362,462,516,616) of the contacting device, so that the spring force acts against the surfaces of both the respective joined together panel elements and connects them to each other electrically.

No. of Pages: 61 No. of Claims: 14

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TRAINING GUIDANCE SYSTEM FOR CANINES, FELINES, OR OTHER ANIMALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A01K29/00 :10/893,549 :15/07/2004 :U.S.A. :PCT/US2005/021586 :17/06/2005 :WO2006/019488 :NA :NA	(71)Name of Applicant:  1)KATES, Lawrence Address of Applicant:1111 Bayside Drive, Corona Del Mar, California 92625, U.S.A U.S.A. (72)Name of Inventor: 1)KATES, Lawrence
Number Filing Date	:NA	
(62) Divisional to Application Number Filed on	:642/DELNP/2007 :23/01/2007	

### (57) Abstract:

A computer-aided training and management system that uses a computer (103) or other processor in wireless communication with an instrumented dog collar and/or optionally, one or more dog interaction devices, such as, for example, video monitors (105), loudspeakers (107), video cameras (106), training toys (e.g., ball (114), bone (116), moving toy (115), etc.), an animatronics trainer (123), a treat dispenser (122), a food dispensing and monitoring device (121), a water dispensing and monitoring device (120), tracking devices, a dog door (111), dog-monitoring doghouse (119), a dog-monitoring dog toilet (117), is described. In one embodiment, the instrumented dog collar is in two-way communication with a central computer system.

No. of Pages: 88 No. of Claims: 15

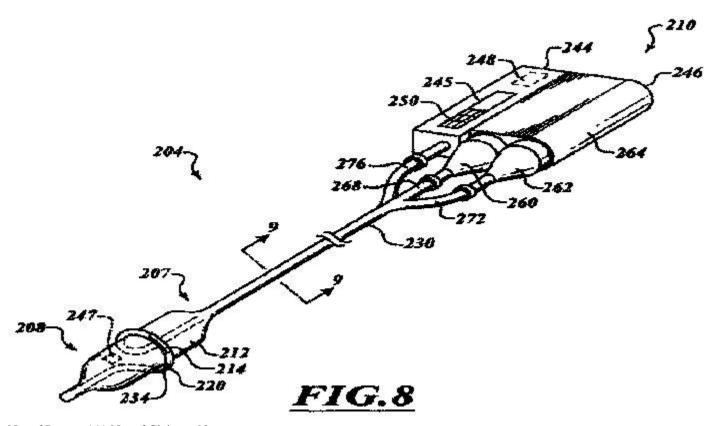
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DELIVERY DEVICES WITH COOLABLE ENERGY EMITTING ASSEMBLIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:61/255,367 :27/10/2009 :U.S.A.	(71)Name of Applicant: 1)HOLAIRA, INC Address of Applicant: 3750 ANNAPOLIS LANE NORTH, SUITE 105, PLYMOUTH, MINNESOTA 55447, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)MAYSE, MARTIN, L. 2)DIMMER, STEVEN, C.
- 14	:NA :NA :NA	

## (57) Abstract:

Systems, delivery devices, and methods to treat to ablate, damage, or otherwise affect tissue. The treatment systems are capable of delivering a coolable ablation assembly that ablates targeted tissue without damaging non-targeted tissue. The coolable ablation assembly damages nerve tissue to temporarily or permanently decrease nervous system input.



No. of Pages: 141 No. of Claims: 92

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

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ADJUSTABLE STRUCTURE FOR A PARABOLIC REFLECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06Q :U200901617 :20/11/2009 :Spain :PCT/ES2010/000470 :19/11/2010 :WO 2011/061364 :NA :NA :NA	(71)Name of Applicant:  1)CABANILLAS INGENIEROS, S.L. Address of Applicant: CTRA. GERINDOTE, 18, 45500 TORRIJOS (TOLEDO), SPAIN Spain (72)Name of Inventor: 1)CABANILLAS SALDANA, JUAN PABLO
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

The invention relates to an adjustable structure for a parabolic reflector, wherein the of the parabola is formed by circular elements and long elements or beams, preferably with a straight axis, thereby avoiding the intrinsic complexity of structures that match the parabolic curve

No. of Pages: 12 No. of Claims: 4

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ELASTIC LAMINATE AND PROCESS FOR THE MANUFACTURE OF ELASTIC LAMINATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61F13/15 :NA :NA :NA :PCT/SE2012/051475 :21/12/2012 :WO 2014/098683 :NA :NA	(71)Name of Applicant:  1)SCA HYGIENE PRODUCTS AB Address of Applicant: S 405 03 Gteborg Sweden (72)Name of Inventor:  1)EEN Hans 2)B,,CK Lucas 3)GABRIELII Inge
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to an elastic laminate comprising a first nonwoven layer a second nonwoven layer and a plurality of elastic strands arranged in parallel with one another between said first and second nonwoven layers and to a process for the production of the laminate. The elastic laminate comprises elastic strands (412; 4120) that are stretched and individually coated with an adhesive. The first and second nonwoven layers are attached to the stretched elastic strands (412; 4120) to provide a corrugated elastic laminate (1200) when the elastic strands (412; 4120) are relaxed. At least one of the nonwoven layers is attached to the strands (412; 4120) at distinct adhesive bonding points (4122) in a repeating predetermined pattern in a lengthwise direction along the strands (412; 4120) to form a predetermined corrugation pattern and the nonwoven layers are substantially free of adhesive except in the adhesive bonding points (4122) where the layers are attached to the elastic strands (412; 4120).

No. of Pages: 49 No. of Claims: 11

(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : MAGNETOMOTIVE STATOR SYSTEM AND METHODS FOR WIRELESS CONTROL OF MAGNETIC ROTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61M 31/00 :61/280,321 :02/11/2009 :U.S.A. :PCT/US2010/055133 :02/11/2010 :WO 2011/053984 :NA :NA	(71)Name of Applicant:  1)PULSE THERAPEUTICS, INC.  Address of Applicant:611 OLIVE STREET, SUITE 1260, ST.  LOUIS, MO 63101, U.S.A. U.S.A.  (72)Name of Inventor:  1)CREIGHTON, FRANCIS, M.  2)RITTER, ROGERS, C.
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a system for the physical manipulation of free magnetic rotors in a circulatory system using a remotely placed magnetic field-generating stator. In one aspect, the invention relates to the control of magnetic particles in a fluid medium using permanent magnet-based or electromagnetic field-generating stator sources. Such a system can be useful for increasing the diffusion of therapeutic agents in a fluid medium, such as a human circulatory system, which can result in substantial clearance of fluid obstructions, such as vascular occlusions, in a circulatory system resulting in increased blood flow. Examples of vascular occlusions targeted by the system include, but are not limited to, atherosclerotic plaques, including fibrous caps, fatty buildup, coronary occlusions, arterial stenosis, restenosis, vein thrombi, arterial thrombi, cerebral thrombi, embolisms, hemorrhages, other blood clots, and very small vessels.

No. of Pages: 98 No. of Claims: 22

(21) Application No.4392/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR AUTOMATICALLY ASSOCIATING COMMUNICATION STREAMS WITH A FILE PRESENTED DURING A MEETING

:G06F15/16,G06F15/167 (71)Name of Applicant : (51) International classification (31) Priority Document No :13/688960 (32) Priority Date :29/11/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/064565 Filing Date :11/10/2013

(87) International Publication No :WO 2014/084971

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

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

1)CITRIX SYSTEMS INC.

Address of Applicant: 851 West Cypress Creek Road Fort

Lauderdale Florida 33309 U.S.A. (72) Name of Inventor:

1) CHRISTIANSEN Bernd Oliver

#### (57) Abstract:

Systems and method for sharing a file presented during a meeting are described. In some aspects an operating system of a first client computing device of a presenter in an online meeting is monitored during the online meeting. The first client computing device of the presenter is engaged in screen sharing with a second client computing device of at least one other participant in the online meeting. That one or more files accessible via the operating system are being presented in the online meeting is determined based on the monitoring. The one or more files are provided to a set of users in response to determining that the one or more files are being presented in the online meeting.

No. of Pages: 36 No. of Claims: 24

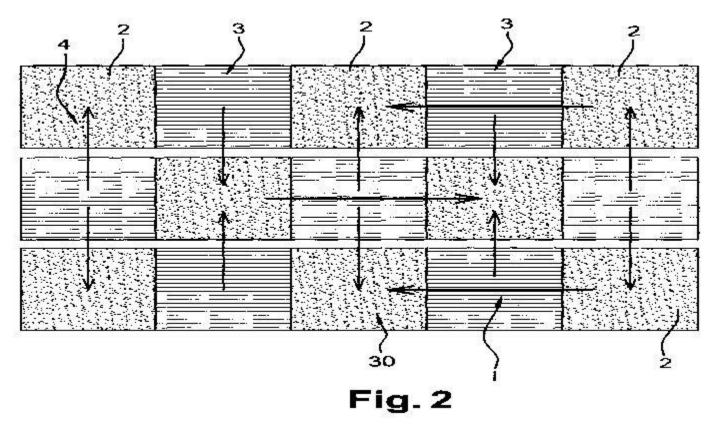
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PHOTOVOLTAIC MODULE COMPRISING AN ELECTRICAL CONNECTION AND HAVING AN OPTICAL FUNCTION

(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	0958916 14/12/2009 France	(71)Name of Applicant:  1)COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES  Address of Applicant: 25, RUE LEBLANC, BATIMENT LE PONANT D, 75015 PARIS FRANCE France (72)Name of Inventor:  1)GERRITSEN ERIC 2)THONY PHILIPPE
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## (57) Abstract:

This photovoltaic module comprises a plurality of photovoltaic cells (2) electrically connected in series via connection means (3) comprising electric conductors. Each connection means (3) comprises an optical device having a reflection-diffractive or transmission-diffractive optical behaviour, and each connection means (3) consists of a sheet formed from a material that is transparent to incident rays containing at least one network of electrical conductor wires (30).



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

(21) Application No.4393/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD OF MANUFACTURING AN INJECTED AND BLOWN PRODUCT

(51) International

:B29C49/06,B29C49/18,B29L31/56 classification

(31) Priority Document No :12194320.3 (32) Priority Date :27/11/2012

(33) Name of priority country: EPO

(86) International Application :PCT/US2013/071418

:22/11/2013 Filing Date

(87) International Publication :WO 2014/085230

(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 PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72) Name of Inventor: 1)CULERON Guv

2)DE TAVARES DUARTE NOGUEIRA Francisco Miguel

3)DE WILDE Vincent Hubert M.

## (57) Abstract:

The present relates to a method of manufacturing a product by the steps of i) injecting a sufficiently heated thermoplastic material into a 1st cavity to form a preliminary product comprising a collar having a connecting feature located on the inner surface thereof then ii) optionally cooling the preliminary product of step i) then iii) blow moulding the preliminary product in a 2nd cavity to form a void volume wherein steps i) to iii) are performed in a single moulding unit then iv) removing the finished product produced in step iii) from the single moulding unit

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

(21) Application No.4394/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LYOPHILIZATION METHODS, COMPOSITIONS, AND KITS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 9/19 :61/264,014 :24/11/2009 :U.S.A. :PCT/US2010/057816 :23/11/2010 :WO2011/066291 :NA :NA :NA	(71)Name of Applicant:  1)GRIFOLS THERAPEUTICS INC. Address of Applicant: 4101 RESEARCH COMMONS, 79 T.W. ALEXANDER DRIVE, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709 USA U.S.A. (72)Name of Inventor: 1)GUO JIANXIN 2)KLOS ANTHONY 3)BARNETTE DEBORAH
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## (57) Abstract:

Method for lyophilization is provided, in particular methods for lyophilization of formulations comprising AT III. Also provided are compositions prepared by therefrom. Also provided are kits comprising the compositions and/or lyophilized products.

No. of Pages: 58 No. of Claims: 20

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SPREADING DEVICE FOR BULK MATERIAL ON A CIRCULAR SURFACE AND METHOD FOR OPERATING THE SAME

(51) International :F27D3/00,B22D11/108,B22D11/111 classification

:Luxembourg

:11/11/2013

:PCT/EP2013/073458

(31) Priority Document No :LU 92 107 (32) Priority Date :29/11/2012

(33) Name of priority

country

(86) International

Application No Filing Date

(87) International

:WO 2014/082842 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)PAUL WURTH S.A.

Address of Applicant :32 rue dAlsace L 1122 Luxembourg

Luxembourg

(72)Name of Inventor: 1)TOCKERT Paul 2)LONARDI Emile 3)DEVILLET Serge 4)SCHONS Stefan

## (57) Abstract:

A spreading device (10) for the spreading of bulk material on a circular surface comprises a distribution plate (12) mounted about a central shaft (14); at least one radially extending slit (16) arranged in the distribution plate (12); and a scraper device (24) for spreading the bulk material over the length of the slit (16). The bulk material is preferably granular or powdered covering material to be deposited as an insulation layer on the top layer of a casting mould containing molten steel or metal. According to the present invention a rectangular distribution trough (22) mounted on the distribution plate (12) the slit (16) being arranged within the distribution trough (22). Furthermore a feed pipe (30) is arranged so as to feed bulk material into the distribution trough (22) onto an area corresponding to the rotational centre (18) of the distribution plate. The slit (16) extends from the rotational centre (18) of the distribution plate (12) to the edge (20) thereof. Finally the scraper device (24) comprises at least one linearly displaceable scraper (28) arranged within the distribution trough (22) so as to feed the bulk material through the distribution trough (22) radially outwards from the rotational centre (18) of the distribution plate (12). The invention also relates to a method for applying a homogeneous layer of material onto a circular surface by using such a spreading device (10).

No. of Pages: 17 No. of Claims: 15

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: "SYSTEM AND METHOD FOR CONTROLLING TEST SCRIPT EXECUTION BY SMARTPHONE™

<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>	:G05B15/02 :NA :NA :NA	(71)Name of Applicant:  1)UNISYS CORPORATION  Address of Applicant: C/O Patent & Technology Law Group  MS/2NW, 801 Lakeview Drive, Suite 100, Blue Bell, PA 19422,
(86) International Application No Filing Date	:NA :NA	United States of America U.S.A. (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	1)Manjunatha Nanjundappa 2)Prabhu S
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A computer implemented method, and system, for selecting an appropriate test script to test software in a testing environment using a smartphone. The system fetches test scripts from a script repository as selected by a developer using a smartphone. The system executes the test script, generates an outgoing message based upon a result of executing the fetched test script, stores the outgoing message in an outgoing message buffer memory, and then transmits the outgoing message to the smartphone so the developer may review the script execution results.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DEBOTTLENECKING OF A STEAM CRACKER UNIT TO ENHANCE PROPYLENE PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:C10G 9/00 :09179240.8 :15/12/2009 :EPO :PCT/EP2010/069694 :15/12/2010 :WO 2011/073226 :NA :NA	(71)Name of Applicant:  1)TOTAL PETROCHEMICALS RESEARCH FELUY Address of Applicant: ZONE INDUSTRIELLE C, B-7181 SENEFFE (FELUY) (BE). Belgium (72)Name of Inventor: 1)VERMEIREN, WALTER 2)BOUVART, FRANCOIS 3)CELIE, INEKE 4)GARCIA, WOLFGANG
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### (57) Abstract:

The present invention is a method for debottlenecking an existing steam cracker unit of which the operation is modified from high severity to low severity operation, having a cracking zone and a fractionation zone, said fractionation zone comprising a gasoline stripper, a de-methaniser (I), a de-ethaniser (I), a de-propaniser (I) and a de-butaniser (I), said de-propaniser (I) receiving product from the bottom of the de-ethaniser (I) and optionally product from the bottom of the gasoline stripper (I), wherein said debottlenecking method comprises the steps of: a) adding a selective hydrogenation unit (II), b) adding a cracking reactor (II) comprising a catalyst selective towards light olefins in the outlet, c) adding a re-run column and a de-propaniser (II), d) sending a part or all of the bottoms stream of the gasoline stripper (I) to the selective hydrogenation unit (II) and subsequently to the cracking reactor (II) at conditions effective to produce an outlet with an olefin content of lower molecular weight than that of the inlet, e) sending a part of the bottoms stream of the de-ethaniser (I) to the de-propaniser (II), such as, not to overload the de-propaniser (I), f) optionally sending a part or all of the overhead raw C4 fraction of the de-butaniser (I) to the selective hydrogenation unit (II), g) sending the cracking reactor (II) outlet to the re-run column to produce a C6+ bottom stream and a C1-C5 overhead, sending said overhead to the de-propaniser (II) to produce a C1-C3 overhead and a C4+ bottom stream recycled in whole or in part to the selective hydrogenation unit (II), optionally withdrawing a part of said C4+ bottom stream.

No. of Pages: 50 No. of Claims: 16

(21) Application No.4410/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: WEAR LIMIT DETERMINATION GAUGE

(31) Priority Document No	:G01B3/04,B62D55/32,G01B5/02 :NA	1)KOMATSU LTD.
(32) Priority Date	:NA	Address of Applicant :2 3 6 Akasaka Minato ku Tokyo
(33) Name of priority country	:NA	1078414 Japan
(86) International Application No Filing Date	:PCT/JP2013/076404 :27/09/2013	(72)Name of Inventor: 1)KITA Naoaki 2)FUJISAKI Hitoshi
(87) International Publication No	:WO 2015/045128	
<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:

This wear limit determination gauge is used when determining whether the amount of wear of a part of an undercarriage of a crawler type vehicle has exceeded a prescribed amount and is provided with a flat body a contact surface and a wear limit determination part. The contact surface is provided at an end of the body and comes into contact with a reference surface that serves as a reference when the amount of wear of a part is being determined. The wear limit determination part is provided on a worn side of the part when the contact surface is made to come into contact with the reference surface and has a first second and third determination part. The first determination part is for indicating that the amount of wear is approaching the prescribed amount. The second determination part is disposed so as to be adjacent to the first determination part via a step and is for indicating that the amount of wear is approximately the prescribed amount. The third determination part is disposed so as to be adjacent to the second determination part via a step and is for indicating that the amount of wear has reached the prescribed amount.

No. of Pages: 49 No. of Claims: 8

(21) Application No.1325/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention: MOUNTING TRAY

(51) International classification	:G01C21/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASERDC, HAL, AVIONICSDIVISION, KORWA
(32) Priority Date	:NA	Address of Applicant :AGM(DISIGN) ASERDC
(33) Name of priority country	:NA	HINDUSTAN AERONAUTICS LIMITED, AVIONICS
(86) International Application No	:NA	DIVISION, KORWA, AMETHI-227112, UP, INDIA. Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRADEEP OJHA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

Is for use on Civil/Military/Naval aircraft for airborne application.

No. of Pages: 6 No. of Claims: 4

(21) Application No.1326/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DATA DOWNLOADING USING HIGH SPEED ETHERNET

(51) International classification	:G06F15/16,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASERDC, HAL, AVIONICSDIVISION, KORWA
(32) Priority Date	:NA	Address of Applicant :AGM(DISIGN) ASERDC
(33) Name of priority country	:NA	HINDUSTAN AERONAUTICS LIMITED, AVIONICS
(86) International Application No	:NA	DIVISION, KORWA, AMETHI-227112, UP, INDIA. Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)A. C. MANI
Filing Date	:NA	2)ANKIT SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The high speed Ethernet data downloading through GRE is a laptop based Ground Handling System which is capable of retrieving Aircraft & Audio Data recorded in Data Retrieval Unit through Ethernet interface. A suitable adapter card with suitable device driver software will be used so as to access data through Ethernet. Speed of replayed data is more than 60 times of A/c data recording time and 4 times of audio recording time.

No. of Pages: 6 No. of Claims: 2

(21) Application No.1392/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A PROCESS FOR PREPARATION OF ROASTED PUFFED RICE USING RICE POWDER

(51) International classification	:A23L1/364	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GHANSHAM DAS AGRAWAL
(32) Priority Date	:NA	Address of Applicant :G. SURGIWEAR LIMITED, POST
(33) Name of priority country	:NA	BOX NO. 50, RASOOLPUR JAHANGANJ, SHAHJAHANPUR-
(86) International Application No	:NA	242001, U.P., INDIA. Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GHANSHAM DAS AGRAWAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This invention relates to a process for preparation of roasted puffed rice comprising steps of: cleaning of broken rice; grinding of cleaned rice to obtain powder; maintenance of moisture content of the powder; mixing of common salt and edible oil to produce a mixture, which is subjected to treatment to produce roasted and puffed rice.

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

(22) Date of filing of Application :16/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ATOMIZER AND ELECTRONIC CIGARETTE HAVING SAME

(51) International classification	:A24F7/00	(71)Name of Applicant:
(31) Priority Document No	:201420266716.1	1)SHENZHEN FIRST UNION TECHNOLOGY CO., LTD.
(32) Priority Date	:23/05/2014	Address of Applicant :1-3F, Building C, Gaoxin Industry
(33) Name of priority country	:China	Zone, Tangwei Village, Fuyong Town, Baoan District Shenzhen,
(86) International Application No	:NA	Guangdong 518000, China; China
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)LI, Yonghai
(61) Patent of Addition to Application Number	:NA	2)XU, Zhongli
Filing Date	:NA	3)HE, Youling
(62) Divisional to Application Number	:NA	4)HU, Shuyun
Filing Date	:NA	

#### (57) Abstract:

An atomizer with a compact structure and convenient assembly is provided. The atomizer includes an atomizing sleeve and an atomizing assembly fixed therein, a liquid reserving space configured for storing a tobacco liquid is defined in the atomizing sleeve. The atomizing assembly includes a fixing sleeve and a porous body arranged therein, an aerosol passage and at least one liquid opening are formed in the fixing sleeve. The porous body absorbs tobacco liquid through the at least one liquid opening, and the porous body is hollow inside and having an atomizing space defined therein. A heating coil configured for heating tobacco liquid absorbed from the porous body into tobacco aerosol is fixed in the atomizing space. The aerosol passage configured for ejecting the tobacco aerosol is in communication with the atomizing space. An electronic cigarette having the atomizer is also provided.

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

(22) Date of filing of Application :21/05/2012

(21) Application No.4425/DELNP/2012 A

(43) Publication Date: 27/11/2015

# (54) Title of the invention: A COMPOUND OF FORMULA (I)

<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>	:05/D 401/10 :0515381.2 :26/07/2005 :U.K. :PCT/EP06/007390 :24/07/2006 :WO 2007/012479	(71)Name of Applicant:  1)GLAXO GROUP LIMITED  Address of Applicant:GLAXO WELLCOME HOUSE, BERKELEY AVENUE, GREENFORD, MIDDLESEX UB6  0NN, GREAT BRITAIN U.K. (72)Name of Inventor:  1)CHRISTOPHER NORBERT JOHNSON, 2)DAVID TIMOTHY MACPHERSON, 3)STEVEN JAMES STANWAY 4)GEOFFREY STEMP 5)MERVYN THOMPSON 6)SUSAN MARIE WESTWAY
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# (57) Abstract:

(19) INDIA

 $A\ compound,\ which\ is\ N-(3-Fluorophenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl\}phenyl)acetyl]-4-piperidinamine\ or\ all phenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl]phenyl)acetyl]-4-piperidinamine\ or\ all phenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl]phenyl)acetyl]-4-piperidinamine\ or\ all phenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl]phenyl)acetyl]-4-piperidinamine\ or\ all phenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-3-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl)-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl]phenyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-\{[(35)-methyl-l-\ piperazinyl]methyl-l-[(4-[(4$ pharmaceutically acceptable salt thereof.

No. of Pages: 74 No. of Claims: 17

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FLEXIBLE INTERIOR TRIM COMPONENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/US2012/062949 :01/11/2012 :WO 2014/070180 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 E. 32nd Street Holland Michigan 49423 U.S.A. (72)Name of Inventor: 1)HIPSHIER Jason M. 2)BOZIO Ronald A. 3)SHERBURN Kenneth D. 4)CATLIN Michael R.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An interior trim component (34) includes a substrate having a first rib (90) positioned adjacent to an axial end (82) of the interior trim component (34). The interior trim component (34) also includes multiple second ribs (44)each oriented substantially parallel to the first rib (90). The first rib (90) and each second rib (44) are configured to engage a track to facilitate movement of the interior trim component (34) along the track. The interior trim component (34) further includes a cushion (46) coupled to the second ribs (44) and to the substrate. The cushion (46) extends along a first surface of the substrate wraps around the first rib (90) and engages a second surface of the substrate opposite the first surface to form the axial end (82) of the interior trim component.

No. of Pages: 44 No. of Claims: 29

(22) Date of filing of Application :09/02/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEM FOR AUTOMATICALLY MATCHING A SERVICE REQUESTOR WITH A SERVICE PROVIDER BASED ON THEIR PROXIMITY AND ESTABLISHING A VOICE CALL BETWEEN THEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:07/08/2012 :WO 2014/022904 :NA :NA	(71)Name of Applicant:  1)STONETHROW TELECOMMUNICATIONS LTD.  Address of Applicant: Jayla Place Wickhams Cay 1 Road Town Tortola VG1110 British Virgin Islands VIRGIN ISLANDS (72)Name of Inventor:  1)ABUODEH, Sa'ad
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A system for automatically matching a service requestor with a service provider based on their physical proximity to each other. A client requesting a service (e.g. Taxi service) using a cellular telephone calls an automatic server. The server interfaces with the cellular operator(s) systems and acquires the client's location. The server also regularly keeps track of the locations and availability of pre-registered service providers (e.g. Taxi Cabs) through the same interface with the cellular operator(s). The server then matches the service requestor with a service provider based on the physical proximity of the latter to the former through a matching algorithm. Once the matching is performed the server establishes a voice call where the service requestor is the call originator (A- Party) and the service provider is the call recipient (B- Party) so both parties can verbally agree on the details of their transaction.

No. of Pages: 38 No. of Claims: 20

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A NEEDLE ARRAY ELECTRODE FOR MONITORING PHYSIOLOGICAL ELECTRICAL SIGNALS AND A METHOD OF MANUFACTURING

(51) International classification	:A61B5/0402,	(71)Name of Applicant:
(31) Priority Document No	:NA	1)THE DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANIZATION [DRDO]
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(86) International Application No	:NA	Room No. 348, B-wing, DRDO Bhawan, Rajaji Marg, New Delhi
Filing Date	:NA	110105, India Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Joghee Kullan Radhakrishnan
Filing Date	:NA	2)Vinod Chidambar Padaki
(62) Divisional to Application Number	:NA	3)Thiruvelu Bhuvana
Filing Date	:NA	4)Giridhar U Kulkarni

### (57) Abstract:

The present disclosure relates to dry electrode technology. In particular the disclosure relates a needle array electrode for monitoring physiological electrical signals. In one embodiment, the present disclosure provides for a needle array electrode for monitoring physiological electrical signals. The needle array electrode comprising a holder configured with a plurality of through-holes in a predetermined array, a plurality of stainless steel needles placed in the plurality of through-holes. Pointed end of the plurality of stainless steel needles partially projects out of surface of the holder for a predefined length. Further, the needle array electrode comprises a stub element for housing the holder with the plurality of stainless steel needles contacting the stub element conductively for monitoring physiological electrical signals. Fig. 6

No. of Pages: 31 No. of Claims: 18

(21) Application No.1344/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SOLAR PANEL ARRAY 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> </ul>	:H01L31/042 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Jolly, Inder Mohan Address of Applicant:# 1861/G, Housefed Complex, Phase X, Mohali- 160062, Punjab, India Punjab India (72)Name of Inventor: 1)Jolly, Inder Mohan
<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:

A solar panel array system comprising of a pyramidal support structure disposed on a surface and a rotating axle mounted on the support structure with at least one supporting frame pivotally coupled to the rotating axle wherein the supporting frame comprises a plurality of identical solar panels attached to it on each side of the axle. A counterweight is suspended from the supporting frame on one side of the rotating axle and a hollow pipe is suspended from the supporting frame on other side of the rotating axle wherein the counterweight and the hollow pipe are spaced at an equal lateral distance from the rotating axle.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SUPPORT BAR AND SUBSTRATE CONTAINING CASSETTE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H01L 21/673 :2009-265373 :20/11/2009 :Japan :PCT/JP2010/070558 :18/11/2010 :WO 2011/062219 :NA :NA :NA	(71)Name of Applicant:  1)JX NIPPON OIL & ENERGY CORPORATION Address of Applicant: 6-3, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-8162, JAPAN Japan (72)Name of Inventor: 1)SHINICHI TAKEMURA 2)TORU TAYAMA 3)DAISUKE UCHIDA
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### (57) Abstract:

In support bars 10, a damping elastic layer 12 is arranged between an inner layer 11 and an outer layer 13 which are composed of fiber-reinforced plastic such that the damping elastic layer 12 is continuous in the circumferential direction of the inner layer 11 and extends from a base end 10a to a tip 10b. This can improve vibration damping properties, e.g. shorten vibration damping time. Moreover, the inner layer 11 composed of fiber-reinforced plastic is circular tube-shaped, and the damping elastic layer 12 is sandwiched between the inner layer 11 and the outer layer 13 which are composed of fiber-reinforced plastic. This can prevent reduction of rigidity due to the damping elastic layer 12 being applied.

No. of Pages: 39 No. of Claims: 6

(21) Application No.1333/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AN IMPROVED GASKET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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 : NA	(71)Name of Applicant:  1)TALBROS AUTOMOTIVE COMPONENTS LIMITED Address of Applicant: 14/1 MATHURA ROAD, FARIDABAD-121003, HARYANA, INDIA. Haryana India (72)Name of Inventor: 1)AJAY SINGH 2)RAJESH GANDHI
Filing Date	:NA	1)AJAY SINGH
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

This invention relates to an improved gasket comprises atleast two longitudinal members connected by means of an arched member at both ends having varying thickness and made of a central core of a material embedded in another material. The present invention not only ensures proper load distribution for effective sealing but also ensures desired compression of elastomer. Desired compression of elastomer in turn results in optimal stress on sump body.

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

(21) Application No.2854/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :07/10/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: WATER PURIFIER FLOW ADJUSTMENT DEVICE

(- )	1)ZENG HSING INDUSTRIAL CO., LTD. Address of Applicant :NO. 78, YONG CHANG RD., TAIPING DISTRICT, TAICHUNG CITY, TAIWAN, POSTAL CODE: 41165 Taiwan (72)Name of Inventor : 1)CHANG, PRO-SUNG 2)SHIH, YUAN-CHIEN 3)HSU, KUO-FENG 4 4)LAI, TENG-CHUAN
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### (57) Abstract:

A water purifier flow adjustment device is mounted to a filter barrel (9) and includes a pure water conduit (22). When the pure water conduit (22) is sealed, pure water filtered in the filter barrel (9) cannot flow out of the pure water conduit (22), and can flow into a flow guiding passage (363) to close an inflow valve (32) and a waste water valve (34) for preventing water from flowing from a first inflow guiding port (24) into the filter barrel (9) and flowing

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: MEDIUM DELIVERY DEVICE AND MEDIUM PROCESSING APPARATUS

(51) International :G07D9/00,B65H31/00,G07D13/00

classification

(31) Priority Document No :2012266260 (32) Priority Date :05/12/2012 (33) Name of priority country: Japan

(86) International Application :PCT/JP2013/080318

:08/11/2013

Filing Date

(87) International Publication :WO 2014/087803

(61) Patent of Addition to

**Application Number** :NA Filing Date

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

(71)Name of Applicant:

1)OKI ELECTRIC INDUSTRY CO. LTD.

Address of Applicant: 17 12 Toranomon Minato ku Tokyo

1058460 Japan

(72)Name of Inventor: 1)TAKADA Atsushi

### (57) Abstract:

Provided is a medium delivery device provided with: a fixed peripheral side part in which among side surfaces surrounding the periphery of an accumulation space in which paper sheet shaped media are accumulated at least a portion of a facing side surface facing a medium support part supporting the media in the accumulation space and at least a portion of an adjacent side surface adjacent to the facing side surface are opened and the other portions are covered therewith; a lid part which has a shape covering the portions not covered with the fixed peripheral side part among the side surfaces surrounding the periphery of the accumulation space; a transition part which causes the lid part to transit with respect to the fixed peripheral side part so that a closed state in which the lid part is brought into proximity to or contact with the fixed peripheral side part to thereby close the accumulation space and an open state in which at least a portion of the lid part is separated from the fixed peripheral side part to thereby open the accumulation space can be achieved; and a giving and receiving part which gives and receives the medium between the inside and outside of the accumulation space.

No. of Pages: 71 No. of Claims: 12

(21) Application No.4416/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR PRODUCING DETERGENT GRANULES

(51) International classification	:C11D 11/00	(71)Name of Applicant:
(31) Priority Document No	:2009-263327	1)KAO CORPORATION
(32) Priority Date	:18/11/2009	Address of Applicant :14-10, NIHONBASHI-KAYABACHO
(33) Name of priority country	:Japan	1-CHOME, CHUO-KU, TOKYO 1038210, JAPAN Japan
(86) International Application No	:PCT/JP2010/070595	(72)Name of Inventor:
Filing Date	:18/11/2010	1)KENICHIRO KAWAMOTO
(87) International Publication No	:WO 2011/062236	2)YOSHINOBU IMAIZUMI
(61) Patent of Addition to Application	:NA	3)TAKASHI NAKAYAMA
Number	:NA	4)TAKASHI KAMEI
Filing Date	.1171	5)HIROAKI WARITA
(62) Divisional to Application Number	:NA	6)MASAHIRO YAMAGUCHI
Filing Date	:NA	

### (57) Abstract:

To provide a method for producing detergent particles which gives excellent yields of detergent particles having a necessary particle size, containing an anionic surfactant according to a method without including spray-drying. By using the method of the present invention, an effect such as detergent particles having a sharp particle size distribution can also be produced in excellent yields is exhibited. Having a sharper particle size distribution would also lead to exhibition of the effects that a detergent having not only improved external appearance but also excellent free flowability, and consequently excellent productivity can be efficiently obtained.

No. of Pages: 69 No. of Claims: 9

(21) Application No.4417/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR PRODUCING DETERGENT GRANULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C11D 11/00 :2009-263325 :18/11/2009 :Japan :PCT/JP2010/070593 :18/11/2010 :WO 2011/062234 :NA :NA :NA	(71)Name of Applicant:  1)KAO CORPORATION Address of Applicant:14-10, NIHONBASHI-KAYABACHO 1-CHOME, CHUO-KU, TOKYO 1038210, JAPAN Japan (72)Name of Inventor: 1)TAKASHI NAKAYAMA 2)YOSHINOBU IMAIZUMI 3)HIROAKI WARITA 4)KENICHIRO KAWAMOTO 5)TAKASHI KAMEI 6)MASAHIRO YAMAGUCHI
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### (57) Abstract:

To provide a method for producing detergent particles including the step of dry-neutralizing an acid precursor with an alkaline powder raw material, whereby the method is capable of obtaining detergent particles having a sharp particle size distribution and excellent dissolubility in an excellent yield. According to the method for producing detergent particles of the present invention, an effect that detergent particles having a sharp particle size distribution and excellent dissolubility are obtained in an excellent yield.

No. of Pages: 40 No. of Claims: 8

(21) Application No.4389/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IMAGE PROCESSING DEVICE AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04N19/70 :2012263811 :30/11/2012 :Japan :PCT/JP2013/081344 :21/11/2013 :WO 2014/084108 :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)SATO Kazushi
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention pertains to an image processing device and method that enable large reductions in encoding efficiency to be prevented. Provided are: a receiving unit that receives an encoded bit stream which includes syntax elements pertaining to processing between images; and an analysis unit that analyzes the syntax elements received by the receiving unit in a state in which values are limited when the bit stream has been encoded according to a profile for encoding static images. The present invention can be applied to an image processing device for example.

No. of Pages: 261 No. of Claims: 16

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLLING LINEAR PUMP SYSTEM

(31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (31) Priority Document No Filing Date (32) Priority Date Filing Date (33) Name of priority country FULSA. F	
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### (57) Abstract:

Systems and methods for operating a linear pump system involve operating a linear motor system; reciprocating a linear pump and a motor control module that issues commands and a control logic input to the linear motor system. The linear motor system is operated to reciprocate an output shaft between first and second reversal positions. The linear pump is reciprocated with the output shaft to produce a flow of material. A pump reversal command reverses direction of the output shaft. A torque command controls speed of the output shaft. The control logic input reciprocates the output shaft at speeds to produce a constant output condition of the flow of material. The motor control module adjusts the torque command to operate the output shaft at an increased speed above what is necessary for the constant output condition for a temporary time period beginning when the reversal command is issued.

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

(21) Application No.4390/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IMAGE PROCESSING DEVICE AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N19/70 :2012263811 :30/11/2012 :Japan :PCT/JP2013/081345 :21/11/2013 :WO 2014/084109 :NA :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)SATO Kazushi
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### (57) Abstract:

The present invention pertains to an image processing device and method that enable large reductions in encoding efficiency to be minimized. Provided are: a limiting unit that limits the values of syntax elements pertaining to processing between images when an encoding process is performed according to a profile for encoding static images; and a transmission unit that transmits the syntax elements the values of which have been limited by the limiting unit. Further provided is an encoding unit that uses the syntax elements limited by the limiting unit to encode image data and generate a bit stream. The transmission unit may further be configured to transmit the bit stream generated by the encoding unit. The present invention can be applied to an image processing device for example.

No. of Pages: 248 No. of Claims: 12

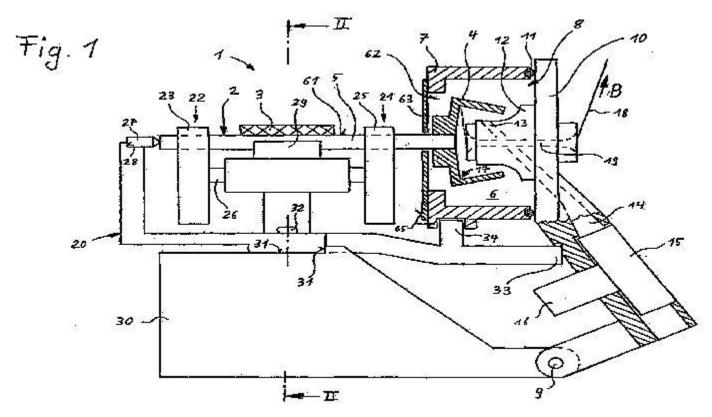
(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention: OPEN-END SPINNING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D01H 4/12 :10 2009 057 201.5 :26/11/2009 :Germany :PCT/EP2010/006564 :27/10/2010 :WO 2011/063881 :NA :NA :NA	(71)Name of Applicant:  1)MASCHINENFABRIK RIETER AG Address of Applicant: KLOSTERSTRASSE 20, 8406 WINTERTHUR, SWITZERLAND Switzerland (72)Name of Inventor: 1)STRASSER WERNER 2)LOOS BERND 3)BURCHERT MATHIAS
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### (57) Abstract:

An open-end spinning device is described which comprises at least one spinning rotor. The spinning rotor is supported via a rotor shaft in two radial bearings in a rotatable way. The open-end spinning device further comprises a tangential belt for driving the rotor shaft. The radial bearings are arranged in a bearing unit, which is able to be simply replaced, whereby the open-end spinning device comprises at least one supporting surface for positioning the bearing unit. Two bearing units which are able to be applied alternately in the open-end spinning device are provided, of which the first bearing unit com¬prises a direct radial bearing and the second bearing unit comprises an indi¬rect radial bearing. At both bearing units, the position of the rotor shaft in re¬lation to the supporting surface of the bearing unit is the same.



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

(21) Application No.1318/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A NON-REUSABLE INTRA-OSSEOUS ACCESS DEVICE AND METHOD THEREOF

(51) International classification (31) Priority Document No	:A61M1/00 :NA	(71)Name of Applicant: 1)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :Block 2 (6th to 8th floors), C.G.O.
(33) Name of priority country	:NA	Complex, Lodhi Road, New Delhi - 110003, India Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KARVE, Jayant, Sitaram
(87) International Publication No	: NA	2)SINGH, Sandeep
(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 non-reusable intra-osseous access device and method thereof. The non-reusable intra-osseous access device which can be easily rendered non-reusable after establishing the access into the marrow region includes the automatic locking of driver unit after removal of needle and trocar assembly from the driver unit. Further, the non-reusable intra-osseous access device also includes the non-loading of the trocar and or needle hub and or trocar with needle hub.

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

(21) Application No.4406/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IMAGE PROCESSING DEVICE AND METHOD

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:2012263810 :30/11/2012 :Japan	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075  Japan (72)Name of Inventor: 1)SATO Kazushi
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### (57) Abstract:

The present invention pertains to an image processing device and method that enable reductions in image quality to be minimized. Provided are: a threshold value setting unit that sets in accordance with the bit depth of image data a threshold value for identifying the characteristics of surrounding pixels of a current block in an intra prediction process performed when decoding encoded data obtained by encoding the image data; and a filtering unit that filters the surrounding pixels using a filter appropriate for the characteristics of the surrounding pixels identified by utilizing the threshold value set by the threshold value setting unit. The present invention can be applied to an image processing device for example.

No. of Pages: 285 No. of Claims: 8

(21) Application No.4407/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: BATTERY CONTROL DEVICE CONTROL METHOD CONTROL SYSTEM AND ELECTRIC **VEHICLE**

(51) International :H01M10/42,B60L3/00,H01M10/44 classification

:NA

(31) Priority Document No :2012263428 (32) Priority Date :30/11/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/005951

No

:07/10/2013 Filing Date

(87) International Publication: WO 2014/083740

(61) Patent of Addition to :NA

**Application Number** Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)SONY CORPORATION

Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075

Japan

(72) Name of Inventor: 1)SUGENO Naoyuki 2)WATANABE Kohki 3)TAKIZAWA Shuichi

4)SATO Kenji 5)UMETSU Koji

### (57) Abstract:

A battery package including a power storage portion; and a control device where the control device determines if a first temperature of the power storage portion is higher than a predetermined temperature and if the first temperature is higher than the predetermined temperature discharges the power storage portion at a first discharge rate.

No. of Pages: 57 No. of Claims: 25

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: IMMUNOGENIC COMPOSITION COMPRISING MYCOPLASMA ANTIGENS

(51) International :A61K39/02,A61K39/00,C12R1/35 classification

(31) Priority Document No :61/747026 (32) Priority Date :28/12/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/076803

:20/12/2013 Filing Date

(87) International Publication :WO 2014/105671

(61) Patent of Addition to

**Application Number** :NA Filing Date

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

(71)Name of Applicant:

1)BOEHRINGER INGELHEIM VETMEDICA GMBH

Address of Applicant :Binger Strasse 173 55216 Ingelheim am

Rhein Germany

(72) Name of Inventor:

1) JORDAN Dianna M. Murphy 2)MARTINSON Brian Thomas

3)MUEHLENTHALER Christine Margaret

4)NEUBAUER Axel 5)IYER Arun V.

# (57) Abstract:

The present invention relates to an immunogenic composition comprising: a) one or more antigen of M. hyorhinis and one or more antigens of M. hyosynoviae; and b) a pharmaceutically acceptable carrier. Furthermore the present invention relates to an immunogenic composition that comprises a) one or more mycoplasma antigens of mycoplasma bacteria selected from the group consisting of M. hyorhinis M. hyopneumoniae and M. hyosynoviae; and b) one or more components of a eukaryotic cell system. Moreover the present invention also provides an immunogenic composition obtained by a method comprising a) cultivation of a mycoplasma bacteria selected from the group consisting of M. hyorhinis M. hyopneumoniae and M. hyosynoviae in a serum reduced eukaryotic cell system; b) obtaining an antigen of such mycoplasma bacteria; and c) addition of a pharmaceutically acceptable carrier.

No. of Pages: 59 No. of Claims: 45

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF A PARTICULATE BIMODAL POLYETHYLENE PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C08F 10/02 :09179786.0 :18/12/2009 :EPO :PCT/EP2010/070014 :17/12/2010 :WO 2011/073364 :NA :NA	(71)Name of Applicant:  1)TOTAL PETROCHEMICALS RESEARCH FELUY Address of Applicant: ZONE INDUSTRIELLE C, B-7181 SENEFFE (FELUY) (BE). Belgium (72)Name of Inventor: 1)SLAWINSKI, MARTINE;
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a process for the preparation of a particulate bimodal polyethylene product having a median particle diameter of less than 300  $\mu$ m in a serially connected double loop reactor, wherein said polymerization catalyst applied in the polymerization process comprises a particulate metallocene-alumoxane catalyst immobilized on a porous silica support, wherein said polymerization catalyst has a median particle diameter of less than 50  $\mu$ m; and whereby the ratio of the median particle diameter of the obtained bimodal polyethylene product to the median particle diameter of the applied polymerization catalyst is less than 30.

No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DIGGING BUCKET AND WORKING VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E02F3/40 :2013085928 :16/04/2013 :Japan :PCT/JP2013/076117 :26/09/2013 :WO 2014/171024 :NA :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant:2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)YOSHIDA Tsuyoshi 2)AIRA Tatsuo 3)TANAKA Daijiroh
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#### (57) Abstract:

A digging bucket (9) is provided with: a bucket body (21) having a bottom face section (32) a back face section (33) and side face sections (34); a lip section (35); a bracket (22); and teeth (23). The lip section (35) is affixed to an edge of the bucket body (21) the edge being located on the side opposite the back face section (33). The bracket (21) has a hole (38) through which a mounting pin for mounting the bucket to an arm (8) is inserted. In a side view if the length of the imaginary line (S1) connecting the center of the hole (38) in the bracket (22) and the front end of the lip section (35) is referred to as a wrist radius (V) if the longest of the lines which are drawn perpendicularly from the imaginary line to the bottom face section is referred to as an imaginary line (S4) the length of which is referred to as the depth (D) of the bucket and if the angle between the lip section (35) and the imaginary line (S1) is referred to as a lip angle () then the bucket satisfies the relationships of  $62^{\circ} = 72^{\circ}$  and 0.7 = D/V = 0.8.

No. of Pages: 51 No. of Claims: 3

:61/724800

:09/11/2012

:08/11/2013

:PCT/US2013/069280

:WO 2014/074906

:U.S.A.

(21) Application No.4401/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: ALTERNATIVE USES FOR HBV ASSEMBLY EFFECTORS

(51) International

:C07D239/00,C07D239/02,C07D239/42

classification

(31) Priority Document

(32) Priority Date

(33) Name of priority

country (86) International

Application No

Filing Date (87) International

Publication No

(61) Patent of Addition to :NA

**Application Number** 

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

(71)Name of Applicant:

1)INDIANA UNIVERSITY RESEARCH AND

TECHNOLOGY CORPORATION

Address of Applicant: 351 West 10th Street Indianapolis IN

46202 U.S.A.

(72) Name of Inventor:

1)LEVRERO Massimo

## (57) Abstract:

Described herein are methods for identifying compounds useful for the treatment of infection by hepatitis B virus (HBV).

No. of Pages: 45 No. of Claims: 29

(21) Application No.4402/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STABILIZED LITHIUM COMPOSITE PARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:01/11/2013 :WO 2014/074405 :NA :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A. (72)Name of Inventor:  1)GADKAREE Kishor Purushottam 2)LIU Xiaorong
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Stabilized lithium particles include a lithium containing core and a coating of a complex lithium salt that surrounds and encapsulates the core. The coating which is a barrier to oxygen and water enables the particles to be handled in the open air and incorporated directly into electrochemical devices. The coating material is compatible for example with electrolytic materials that are used in electrochemical cells. The average coated particle size is less than 500 microns.

No. of Pages: 15 No. of Claims: 18

(21) Application No.4403/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: GROUNDING NUT

(51) International classification	:F16B37/00	(71)Name of Applicant:
(31) Priority Document No	:2012256373	1)IWATA BOLT CO. LTD.
(32) Priority Date	:22/11/2012	Address of Applicant :32 4 Nishi Gotanda 2 chome Shinagawa
(33) Name of priority country	:Japan	ku Tokyo 1418508 Japan
(86) International Application No	:PCT/JP2013/058150	(72)Name of Inventor:
Filing Date	:21/03/2013	1)SUZUKI Nobuhide
(87) International Publication No	:WO 2014/080645	2)TASAKA Kenta
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a grounding nut which can be tightened with large tightening force and which can be reliably electrically connected to a bolt. A grounding nut (11) is provided with a threaded hole (22) which is engaged with a bolt having formed thereon threads having a pitch (P). All of the threads (21) provided on the threaded hole (22) are configured in such a manner that the pitch (Pn) of the threads (21) is greater than the pitch (P) of the threads of the bolt and in such a manner that the angle () of the threads (21) is greater than 60 degrees. An axially extending cutout (25) is formed in an axial part of the threaded hole (22) and the end surfaces of the threads (21) which face the cutout (25) form a cutting edge (26).

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

(21) Application No.4404/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015

(43) Publication Date: 27/11/2015

(54) Title of the invention: PROPHYLACTIC AND/OR THERAPEUTIC AGENT FOR BEHAVIORAL AND PSYCHOLOGICAL SYMPTOMS ASSOCIATED WITH NEURODEGENERATIVE DISEASE OR IMPULSIVE SYMPTOMS ASSOCIATED WITH MENTAL DISEASE CONTAINING BREXPIPRAZOLE OR SALT THEREOF

# (57) Abstract:

The present invention relates to a prophylactic and/or therapeutic agent for behavioral and psychological symptoms associated with neurodegenerative disease or impulsive symptoms associated with mental disease which contains 7 [4 (4 benzo[b]thiophen 4 yl piperazin 1 yl)butoxy] 1H quinolin 2 one or a salt thereof as an active ingredient.

No. of Pages: 58 No. of Claims: 51

(21) Application No.4420/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LOW ENERGY INPUT FAST CHARGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H02J7/00 :P00201200908 :25/10/2012 :Indonesia :PCT/ID2012/000011 :28/12/2012 :WO 2014/064670 :NA :NA	(71)Name of Applicant:  1)PT.TERANG DUNIA LESTARI Address of Applicant: Jin. Raya Jakarta Bogor Km. 24 6 Jakarta Timur Indonesia (72)Name of Inventor: 1)GUNAWAN Marsianto
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This invention is related to a low energy input fast charger which can generate vacuum energy obtained when The breaking parts of air atomic nuclei is absorbed by coil unit so that generates magnetic field waves in between south and north magnetic poles. In the center of coil unit electrical discharge effect will occur to generate bigger energy than input energy by using electromagnetic wave from a coil which can use vacuum energy so that by using low energy source it is possible to charge various sizes of battery or accumulator. Especially by using or utilizing energy that available in the universe i.e. vacuum energy which is environmentally friendly and safe. The purposes can be reached by a low energy input fast charger according to the embodiment of this invention in which the low energy input fast charger is characterized by: A power supply unit; A PWM unit; Several units of coil; An input power unit; An output power unit; Several pipes of copper; A super capacitor unit; A 220v neon bulb unit; An electrical fan unit. While the advantage and benefit of low energy input fast charger is the method or system which is designed specially with electromagnetic wave technology which can utilize renewable energy. which is vacuum energy so that it can generate unlimited cheap and environmentally friendly energy.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR PRODUCING SURFACTANT-SUPPORTING GRANULE CLUSTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C11D 11/00 :2009-263326 :18/11/2009 :Japan :PCT/JP2010/070594 :18/11/2010 :WO 2011/062235 :NA :NA :NA	(71)Name of Applicant:  1)KAO CORPORATION Address of Applicant:14-10, NIHONBASHI-KAYABACHO 1-CHOME, CHUO-KU, TOKYO 103-8210, JAPAN Japan (72)Name of Inventor: 1)MASAHIRO YAMAGUCHI 2)TAKASHI KAMEI 3)TOSHINOBU IMAIZUMI 4)HIROAKI WARITA 5)KENICHIRO KAWAMOTO 6)TAKASHI NAKAYAMA
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#### (57) Abstract:

To provide a method for producing particles for supporting a surfactant that are excellent in supporting capacity/supporting ability/supporting rate of a liquid surfactant composition without carrying out a drying procedure. According to the present invention, the effects that particles for supporting a surfactant having excellent supporting capacity/supporting ability/supporting rate of a liquid surfactant composition can be produced by a method without carrying out a drying procedure are exhibited. Consequently, an effect that a method which is even more excellent in economic advantages and loads to the facilities can be provided is exhibited. Moreover, an effect such as the particles obtained have a sharp particle size distribution so that coarse powders and fine powders are found in smaller amounts is also exhibited. Further, the effects that detergent particles having excellent detergent performance, quality or the like can be efficiently obtained by supporting a liquid surfactant composition on the particles for supporting a surfactant are exhibited.

No. of Pages: 48 No. of Claims: 8

(21) Application No.4421/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TAL MEDIATED TRANSFER DNA INSERTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:19/11/2013 :WO 2014/081729 :NA :NA	(71)Name of Applicant:  1)J.R. SIMPLOT COMPANY Address of Applicant: 999 Main Street Suite 1300 P.O. Box 27 Boise ID 83702 U.S.A. (72)Name of Inventor: 1)ROMMENS Caius M. 2)DUAN Hui 3)WEEKS Troy J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to methods for stably integrating a desired polynucleotide into a plant genome comprising transforming plant material with a first vector comprising nucleotide sequences encoding TAL proteins designed to recognize a target sequence; transforming the plant material with a second vector comprising (i) a marker gene that is not operably linked to a promoter (promoter free marker cassette) and which comprises a sequence homologous to the target sequence; and (ii) a desired polynucleotide; and identifying transformed plant material in which the desired polynucleotide is stably integrated.

No. of Pages: 127 No. of Claims: 29

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SURGICAL NEEDLE COATINGS AND METHODS

(51) International classification	:A61B 17/06	(71)Name of Applicant:
(31) Priority Document No	:12/614,669	1)ETHICON, INC.
(32) Priority Date	:09/11/2009	Address of Applicant :U.S. ROUTE 22, SOMERVILLE, NJ
(33) Name of priority country	:U.S.A.	08876, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/053545	(72)Name of Inventor:
Filing Date	:21/10/2010	1)ROBERT MAURER
(87) International Publication No	:WO 2011/056456	2)S. NEIL BAR
(61) Patent of Addition to Application	:NA	3)ERIC HINRICHS
Number	:NA	4)MICHAEL HAMILTON
Filing Date	.11/1	5)THOMAS WILKES
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides improved medical devices for use in surgical procedures and methods for manufacturing improved medical devices. In some embodiments, the improved medical devices pari include improved surgical needles that are capable of being repeatedly passed through tissue using minimal force. More particularly, the improved surgical needles can be manufactured with two or more different coatings that provide the surgical needles with both durability and lubricity for ease of repeated and successive passes through tissue. Improved methods for manufacturing the surgical needles and for providing and applying coatings to the surgical needles are also provided.

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

(21) Application No.1341/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RIGID HARD ARMOR PANEL

(74) 7	E44774 (00	(74)
(51) International classification	:F41H1/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DIRECTOR GENERAL, DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence, Govt. of India,
(86) International Application No	:NA	Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi
Filing Date	:NA	110011 Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Amit Kumar
Filing Date	:NA	2)Rajesh Kumar Tiwari
(62) Divisional to Application Number	:NA	3)Arvind Kumar Saxena
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a method of manufacturing rigid hard armor panel (RHAP) comprising of hard armor panel and soft armor panel for use in ballistic protection against ammunition from a minimum distance of 8 to 10 m and having back face signature of less than 25 mm. The present invention particularly relates to the design and development of fabrication of back / front torso, groin, side and other parts of the body made of RHAP.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: MEMBER JOINING STRUCTURE OF VEHICLE FRONT

(54) Y	D (0D 05 /1 4	
(51) International classification	:B62D25/14	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(31) Thomy Document No	163159	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:06/08/2013	Hamamatsu-shi, Shizuoka-ken, JAPAN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MOCHIZUKI, Shinei
Filing Date	:NA	2)USUDA, Yoshitaka
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem to be Solved] To provide a member joining structure of a vehicle front that can secure rigidity without increasing the number of components. [Solution]A member joining structure of a vehicle front includes a frame member on which vehicle mounted devices are mounted, the frame member including an upper member and a lower member arranged on top and bottom of the vehicle front end in a width direction of a vehicle body and support members arranged in a height direction with both the ends of the upper member and the both the ends of the lower member being joined by the support members, characterized in that the lower member 6 is formed of a member with a U-shaped cross section and is arranged so that the open side of the U shape faces downward; the support member 7 has, at a bottom end thereof, a flat portion 90 and a vertical face 7a arranged to face to an upper face 6c and a front face 6a of the lower member, and has a lateral face 7c extended downward from a rear end of the flat portion 90 through the bottom end of the vertical face 7a; the flat portion 90 of the support member 7 is joined with the upper face 6c of the lower member 6, and the vertical face 7a of the support member 7 is joined with the front face 6a of the lower member 6. [Selected Drawing] Figure 3

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

(21) Application No.4380/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FIXED BED CATALYST SUPPORT FOR A HYDROPROCESSING REACTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:18/09/2013 :WO 2014/070325 :NA	(71)Name of Applicant: 1)CHEVRON U.S.A. INC. Address of Applicant:6001 Bollinger Canyon Road San Ramon California 94583 U.S.A. (72)Name of Inventor: 1)BOYAK Craig 2)KILLEN Ralph Evans
(61) Patent of Addition to Application		2)XXIDEEX Raipi Evans
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention is directed to an upwardly convex fixed bed catalyst support (18) for a hydroprocessing reactor (10). The catalyst bed support (18) includes an upwardly convex annular shaped perforated plate having an outer end in communication with the reactor inner surface (14) and an inner end in communication with a horizontal hub assembly.

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

(21) Application No.4381/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PUSH THROUGH RETAINER CONNECTION WITH INTEGRATED HINGING SEAL

(51) International classification: F16B5/06,F16B19/00,F16B21/08 (71) Name of Applicant: (31) Priority Document No :61/739604 1)ILLINOIS TOOL WORKS INC. (32) Priority Date :19/12/2012 Address of Applicant :155 Harlem Avenue Glenview Illinois (33) Name of priority country :U.S.A. 60025 U.S.A. (72) Name of Inventor: (86) International Application :PCT/US2013/073861 No 1)SCROGGIE Derek :09/12/2013 Filing Date 2)BOZINOVSKI Michelle E. (87) International Publication 3)MURAWSKI Robert A. :WO 2014/099444 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A connection assembly adapted to join a surface element (12) to an underlying support structure (14) while maintaining a substantially zero gap abutting relation between the surface element and the support structure. The connection assembly includes a press in retainer (10) with a circumferential seal (50) having a sealing foot (54). The sealing foot flexes about a living hinge (56) while maintaining continuous sliding contact with the support panel without interfering with downward movement of the retainer.

No. of Pages: 23 No. of Claims: 20

(21) Application No.4382/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention: PLUG CONNECTOR FOR ELECTRICAL AND ELECTRONIC CIRCUIT ELEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:19/11/2010 :WO 2011/063917 :NA :NA :NA	(71)Name of Applicant: 1)EPT GMBH Address of Applicant:BERGWERKSTR. 50, 86971 PEITING, GERMANY Germany (72)Name of Inventor: 1)FINSTERWALDER, ROLF
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a plug connector for electronic circuit elements, comprising an elongated housing made of insulating material and contact elements received therein, at least a portion of the contact elements are provided with a laterally arranged positioning element, which in the inserted position of the contact element cooperates with a lateral wall of the housing such that the opposite lateral walls are maintained at a target distance from each other.

No. of Pages: 12 No. of Claims: 11

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : TISSUE-REGENERATION PROMOTER RECRUITMENT OF BONE MARROW MESENCHYMAL STEM CELLS AND/OR PLURIPOTENT STEM CELLS IN BLOOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 35/28 :2009-247143 :28/10/2009 :Japan :PCT/JP2010/069133 :28/10/2010 :WO 2011/052668 :NA :NA :NA	(71)Name of Applicant:  1)GENOMIX CO., LTD.  Address of Applicant:3FL, SAINTO BIOTECHNOLOGY INCUBATOR, 7-15, SAITO-ASAGI 7-CHOME, IBARAKI-SHI, OSAKA, 5670085, JAPAN Japan  2)OSAKA UNIVERSITY (72)Name of Inventor: 1)TAMAI, KATSUTO 2)KANEDA, YASUFUMI 3)YAMAZAKI, TAKEHIKO 4)CHINO, TAKENAO 5)SAGA, KOTARO 6)ENDO, MAYUMI
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#### (57) Abstract:

It was revealed that the intravenous administration of HMGB-1 and S100A8 promoted the healing of skin ulcer by recruiting bone marrow-derived cells to the site of skin ulcer. Furthermore, when HMGB-1 was intravenously administered to cerebral infarction model mice after creation of cerebral infarction, bone marrow-derived cells expressing nerve cell markers were detected in their brain. A marked cerebral infarct-reducing effect was observed in mice intravenously administered with HMGB-1 as compared to the control. The post-cerebral infarction survival rate was increased in the intravenous HMGB-1 administration group. The involvement of bone marrow pluripotent stem cells in the process of bone fracture healing was assessed using mice, and the result demonstrated that bone marrow-derived cells distant from the damaged site migrated to the bone fracture site to repair the damaged tissue.

No. of Pages: 124 No. of Claims: 7

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ALK KINASE INHIBITORS

## (57) Abstract:

Disclosed herein are ALK kinase inhibitors pharmaceutical compositions thereof and pharmaceutical uses thereof. More particularly disclosed herein are compounds of Formula (I) wherein each substituent of Formula (I) is defined as in the description.

No. of Pages: 111 No. of Claims: 27

(22) Date of filing of Application :21/05/2012

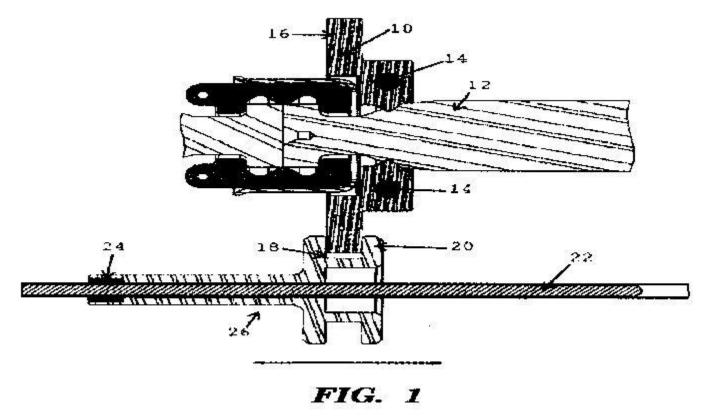
(43) Publication Date: 27/11/2015

# (54) Title of the invention: PUMP LINE LINEAR POSITION SENSING ASSEMBLY

(51) International classification	:F15B 15/28	(71)Name of Applicant :
(31) Priority Document No	:61/257,903	1)GRACO MINNESOTA INC.
(32) Priority Date	:04/11/2009	Address of Applicant :88 11TH AVENUE NE
(33) Name of priority country	:U.S.A.	MINNEAPOLIS, MINNESOTA 55413, UNITED STATES OF
(86) International Application No	:PCT/US2010/055210	AMERICA U.S.A.
Filing Date	:03/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/056818	1)PELLIN, CHRISTOPHER J.
(61) Patent of Addition to Application	:NA	2)TIX, JOSEPH E.
Number	:NA	3)WEINBERGER, MARK T.
Filing Date	.IVA	4)VELGERSDYK, JEFFREY N.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A two-piece collar (10) is rigidly clamped onto the hydraulic driver shaft (12) via two shoulder bolts (14). The collar halves (16) engage a tightly toleranced groove feature (18) on the spool (20) that is assembled onto the linear sensor shaft (22). The spool (20) houses a magnet (24) that sends a position signal to the sensor (26). As the hydraulic driver shaft (12) reciprocates during operation, the spool (20) moves along with it sending the position signal to the sensor (26) that tells the driver (28) to change direction. The hydraulic driver and chemical pump shafts (12) can slowly rotate over time, which is preferred for increased chemical pump/hydraulic driver seal life.



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

(21) Application No.4427/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PYRIDONE DERIVATIVES AND USES THEREOF IN THE TREATMENT OF TUBERCULOSIS

(51) International :C07D401/06,C07D405/06,C07D213/64 classification

:61/736921

:13/12/2012

:12/12/2013

:PCT/US2013/074632

:WO 2014/093606

:U.S.A.

:NA

:NA

:NA

(31) Priority Document

(32) Priority Date

(33) Name of priority country

(86) International

Application No

Filing Date (87) International

Publication No

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

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

Filing Date

(71) Name of Applicant:

1)NOVARTIS AG

Address of Applicant: Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor:

1)KONDREDDI Ravinder Reddy

2)UJJINI Manjunatha H.

3)MA Ngai Ling

4)PEUKERT Stefan 5)RAO Srinivasa P S

(57) Abstract:

A compound of Formula (I) is provided that has been shown to be useful for treating a disease disorder or syndrome that is mediated by the inhibition of mycolic acid biosynthesis through inhibition of M. tuberculosis EnoyI Acyl Carrier Protein Reductase enzyme (InhA): wherein R R R R and R are as defined herein.

No. of Pages: 72 No. of Claims: 34

(22) Date of filing of Application :21/05/2012

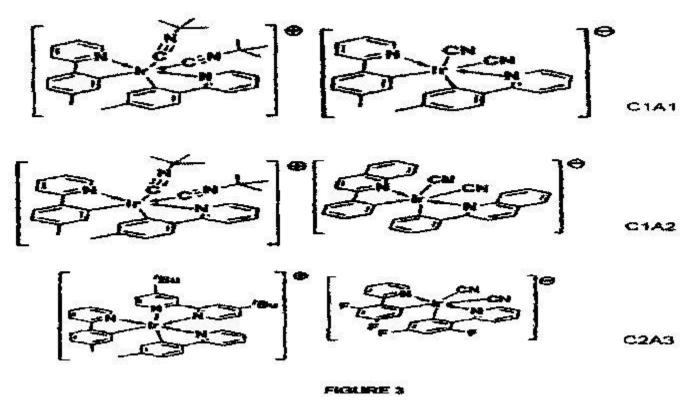
(43) Publication Date: 27/11/2015

# (54) Title of the invention : ION-PAIRING SOFT SALTS BASED ON ORGANOMETALLIC COMPLEXES AND THEIR APPLICATIONS IN ORGANIC LIGHT EMITTING DIODES

(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	:C07F 15/00 :61/280,338 :02/11/2009 :U.S.A. :PCT/US2010/055040 :02/11/2010 :WO 2011/053950 :NA :NA	(71)Name of Applicant:  1)THE UNIVERSITY OF SOUTHERN CALIFORNIA Address of Applicant:STEVENS INSTITUTE FOR INNOVATION EEB 131, 2561 LOS ANGELES, CALIFORNIA 90089, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)THOMPSON, MARK E. 2)WU, CHAO 3)CHEN, HSIAO-FAN
Filing Date :	:NA	

#### (57) Abstract:

Organometallic soft salt compounds are provided. In particular, the compounds comprise mononuclear Ir-based soft salts. The compounds may be used in organic light emitting diodes (OLED) and light emitting cells (LEC).



No. of Pages: 107 No. of Claims: 34

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : COMPOSITIONS AND METHODS THAT UTILIZE A PEPTIDE TAG THAT BINDS TO HYALURONAN

:C12N15/62,C07K14/47 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/738488 1)NOVARTIS AG (32) Priority Date :18/12/2012 Address of Applicant :Lichtstrasse 35 CH 4056 Basel (33) Name of priority country Switzerland :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2013/075795 Filing Date :17/12/2013 1)GHOSH Jov (87) International Publication No :WO 2014/099997 2)ROGUSKA Michael (61) Patent of Addition to Application 3)NGUYEN Andrew Anh :NA Number 4)GOLOSOV Andrei :NA Filing Date 5)PIETZONKA Thomas (62) Divisional to Application Number :NA 6)MACHACEK Matthais Filing Date :NA

#### (57) Abstract:

The invention relates in part to compositions and methods that utilize a peptide tag that binds to hyaluronan (HA). The HA tag can be linked to a molecule such as a protein or nucleic acid which when administered to the eye results in an increase in ocular half life and/or mean residence time and or a decrease in ocular clearance of the protein or nucleic acid. The invention also encompasses methods for treating ocular disease including retinal vascular disease by administering a protein or nucleic acid linked to an HA peptide tag.

No. of Pages: 208 No. of Claims: 42

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ELECTROMAGNETIC VALVE DEVICE

(51) International classification	:F61K 31/40	(71)Name of Applicant:
(31) Priority Document No	:TO2009A000897	1)ELBI INTERNATIONAL S.P.A.
(32) Priority Date	:20/11/2009	Address of Applicant :CORSO GALILEO FERRARIS 110, I-
(33) Name of priority country	:Italy	10129 TORINO, ITALY Italy
(86) International Application No	:PCT/IT2010/000466	(72)Name of Inventor:
Filing Date	:22/11/2010	1)DA PONT PAOLO
(87) International Publication No	:WO2011/061777	2)RAVEDATI PAOLO
(61) Patent of Addition to Application	:NA	3)CAPIZZI GIOSUE
Number	:NA	4)RENDESI MAURIZIO
Filing Date	.11/1	5)PARIS FABRIZIO
(62) Divisional to Application Number	:NA	6)BOSIO ROBERTO
Filing Date	:NA	7)DAVI MASSIMO

### (57) Abstract:

The device (1) comprises: - a body (2, 7) with an inlet (3) and an outlet (4) for the fluid, and with a main valve seat (6) through which the fluid can flow from the inlet (3) to the outlet (4), - a main plug (8, 9) associated with this main seat (6), - a control chamber (11) partially delimited by the main plug (8); - a first passage (8d, 9b, 9c) for communication between the inlet (3) and the control chamber (11); - a second passage (12, 13) for putting the control chamber (11) into communication with the outlet (4); and - a control solenoid valve (14) including a control solenoid (15) which controls a movable unit (17) comprising a first core (18) which can interact as a movable plug with the second passage (12, 13). The movable unit (17) comprises a second movable ferromagnetic core (21), adjacent to the first core (18). A spacer element (19) extends between the main plug (8, 9) and the second core (21). One or more springs (20, 22) push the second core (21) towards the main plug (8, 9). The second core (21) is permanently fixed to the main plug (8, 9) and, when the solenoid (15) is inactive, the first core (18) is kept in the closed position of the second passage (12, 13), and the second core (21) is in a predetermined position with respect to the first core (18) such that the cores (18, 21) are separated by a gap (24). The activation of the solenoid (15) causes an attraction of the first core (18) towards the second core (21) and the opening of the second passage (12, 13).

No. of Pages: 23 No. of Claims: 6

(21) Application No.4395/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ORGANIC SEMICONDUCTOR FORMULATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:H01L51/00 :1221471.4 :29/11/2012 :U.K. :PCT/GB2013/053123 :26/11/2013 :WO 2014/083328 :NA :NA	(71)Name of Applicant:  1)SMARTKEM LIMITED  Address of Applicant: Hexagon Tower Delaunays Road Blackley Manchester Greater Manchester M9 8ZS U.K. (72)Name of Inventor:  1)CROWLEY Karl 2)GRIFFITHS Russell Jon
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a process for preparing novel organic semiconductor (OSC) formulations comprising a polycrystalline small molecule organic semiconductor a semiconducting polymer binder and a multi component solvent blend. The present invention also relates to novel formulations obtained by this process to their use as semiconducting inks in the fabrication of organic electronic devices especially organic thin film transistors (OTFTs).

No. of Pages: 49 No. of Claims: 33

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: KEY HAVING A RETRACTABLE INSERT WITH IMPROVED MECHANICAL STRENGTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:19/11/2010 :WO 2011/061279 :NA :NA	(71)Name of Applicant:  1)VALEO SECURITE HARBITACLE Address of Applicant: 76 RUE AUGUSTE PERRET-ZONE EUROPARC, F-94046 CRETEIL, FRANCE France (72)Name of Inventor: 1)BENOIT DELANDE 2)JEAN-PATRICK FAVIER
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates 10 a module for extending a retractable insert of a key, in particular for a motor vehicle, which is intended to be mounted in a casing tor said key and which comprises an insert (5, 7), intended to be pivotably mounted relative to said casing (3) between an inoperative and an operative position, and comprising a bit (7) and a bit holder (5), which is pivotably mounted relative to said casing (3), and a mechanism for extending the insert (5, 7), which includes a push-button (19), and an elastic return element (23) for the insert (5, 7) consisting of a helical torsion spring, one end (23a) of which is connected to the insert (5, 7), in order to urge the insert (5, 7) by pivoting towards said operative position, when the push-button (19) is actuated. According to the invention, the push-button (19) comprises a projection (49) for holding the insert (5, 7) in the inoperative position and in the operative position, the mounting position of said projection being different from said inoperative and operative positions.

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROFILING DATA WITH LOCATION INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06F17/30 :61/716766 :22/10/2012 :U.S.A. :PCT/US2013/053412 :02/08/2013 :WO 2014/065919 :NA :NA	(71)Name of Applicant:  1)AB INITIO TECHNOLOGY LLC Address of Applicant: 201 Spring Street Lexington Massachusetts 02421 U.S.A. (72)Name of Inventor: 1)ANDERSON Arlen
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Profiling data includes processing an accessed collection of records (203) including: generating for a first set of distinct values appearing in a first set of one or more fields corresponding location information; generating for the first set of fields a corresponding list of entries (209) identifying a distinct value from the first set of distinct values and the location information for the distinct value; generating for a second set of one or more fields a corresponding list of entries (209) with each entry identifying a distinct value from a second set of distinct values appearing in the second set of fields; and generating result information (240) based at least in part on: locating at least one record of the collection using the location information for at least one value appearing in the first set of fields and determining at least one value appearing in the second set of fields of the located record.

No. of Pages: 47 No. of Claims: 19

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VEHICLE SEAT, IN PARTICULAR MOTOR VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:01/02/2011 :WO 2011/107193 :NA :NA :NA	(71)Name of Applicant:  1)KEIPER GMBH & CO. KG  Address of Applicant: HERTELSBRUNNENRING 2, 67657  KAISERSLAUTERN, GERMANY Germany (72)Name of Inventor:  1)LARS KRAMM
Filing Date	:NA	

#### (57) Abstract:

1. A vehicle seat, in particular a motor vehicle seat, having a seat part (3), a backrest (4) and retaining elements (20, 20b, 27) for fastening a child seat (30) which is placed on the seat part (3) of the vehicle seat (1), wherein the child seat (30) may be connected to at least one first retaining element (27) by means of at least one connector. (12) in . its lower region- and may be connected to at Least one second retaining element (20, 20b) by means of at least one retaining belt (36) in its upper region, and wherein the backrest. (4) has a backrest frame (6) and a cushion (8) which is carried by the backrest frame (6), characterized in that the second retaining element (20, 20b)simultaneously supports the cushion (8).

No. of Pages: 12 No. of Claims: 10

(21) Application No.4423/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A CURABLE EPOXY COMPOSITION AND A COMPOSITE MADE THEREFROM

(51) International classification :C08L63/00,C08L63/02,C08L63/04

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

(33) Name of priority country: NA

(86) International Application :PCT/CN2012/084233

Filing Date :07/11/2012

(87) International Publication :WO 2014/071576

No

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

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

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland Michigan

48674 U.S.A.

(72)Name of Inventor:

1)FENG Yanli 2)QI Lejun 3)ZHANG Yi 4)DU Wei

### (57) Abstract:

A curable epoxy resin composition including: (a) a cycloaliphatic epoxy resin (b) an oxazolidone ring containing epoxy resin (c) a reaction product of (i) an anhydride compound and (ii) a polyol and (d) an anhydride hardener; a process for preparing the curable epoxy resin composition; and a composite including a reinforcing fiber embedded in a thermoset resin wherein the thermoset resin is a reaction product of the curable epoxy resin composition.

No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND FACILITY FOR DRYING SLURRY-LIKE MATERIALS, IN PARTICULAR SLUDGE FROM WASTEWATER TREATMENT PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F26B 23/00 :0905607 :23/11/2009 :France :PCT/IB2010/055304 :19/11/2010 :WO 2011/061715 :NA :NA	(71)Name of Applicant:  1)DEGREMONT  Address of Applicant: TOUR CB21, 16, PLACE DE I'IRIS, F- 92040 PARIS LA DEFENSE, FRANCE France (72)Name of Inventor:  1)PIERRE EMMANUEL PARDO
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for drying slurry like materials, in particular sludge from wastewater treatment planing including two drying stages, namely: a first indirect drying stage (2) supplied with hot fluid, which receives sludge having an entry dryness Se, and output sludge having an intermediate dryness Si and water steam, which is channelled towards a condenser (8) in which a heating fluid, in particular water, is reheated and, in turn, heats a heating gas for a second drying stage (6); and a step (5) of forming strings of sludge at the exit from the first stage; the second stage (6) of drying the strings of sludge using gas at least partially heated by the heat extracted from the condenser, said second stage outputting a slurry having a final dryness Sf; the intermediate dryness Si is controlled according to the measured entry dryness Se and the desired exit dryness Sf, for minimum consumption of the total energy used for drying, the flow rate, pressure and/or temperature of the hot fluid (3) supplying the first drying stage (2) being adjusted accordingly.

No. of Pages: 36 No. of Claims: 20

(21) Application No.4424/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND DEVICE FOR MANAGEMENT OF SECONDARY CELLS IN CARRIER **AGGREGATION**

:H04W16/14,H04W28/16 (71)Name of Applicant : (51) International classification (31) Priority Document No :201210416995.0 (32) Priority Date :26/10/2012 (33) Name of priority country :China

:PCT/CN2013/083588 (86) International Application No

Filing Date :16/09/2013 (87) International Publication No :WO 2014/063542

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)ZTE CORPORATION

Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China

(72) Name of Inventor:

1)LI Jinglan

#### (57) Abstract:

Disclosed is a method for management of secondary cells in carrier aggregation. A primary cell is configured for user equipment (UE) by an evolved Node B (eNB). The method comprises: selecting different frequency neighbor cells as secondary cells for the UE wherein the different frequency neighbor cells are supported by the UE have the same coverage area as that of the primary cell and comprise the coverage area of the primary cell; and selecting the secondary cells for the UE from the rest different frequency neighbor cells of the primary cell when the number of the secondary cells for the UE can not meet the bandwidth needs of the carrier aggregation. Further disclosed is a device for management of secondary cells in carrier aggregation. The present invention has the advantages that the problem of secondary cells management in the carrier aggregation is solved and the dynamic management of the secondary cells is realized by flexibly using the existing neighbor cell configuration technology and measurement technology so that a key technical support for the realization of a carrier aggregation function is provided.

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

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

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INACTIVATED POULTRY VACCINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K 39/17 :61/265,519 :01/12/2009 :U.S.A. :PCT/EP2010/068464 :30/11/2010 :WO 2011/067224	(71)Name of Applicant:  1)INTERVET INTERNATIONAL B.V. Address of Applicant: WIM DE KORVERSTRAAT 35, NL- 5831 AN BOXMEER, NETHERLANDS Netherlands (72)Name of Inventor: 1)SCHRIER, CARLA CHRISTINA
ĕ		2,000,111,011,011,011,011,011,011
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to pharmaceutical compositions comprising an immunizing amount of inactivated Newcastle disease and an adjuvant for use in the protection of poultry against Newcastle disease, to the use of an immunogenic amount of an inactivated Newcastle disease virus and an adjuvant for the manufacture of a booster vaccine for the vaccination of a chicken or turkey, and to a kit-of-parts comprises a container comprising an inactivated Newcastle disease virus and an adjuvant for a priming vaccination of a chicken or turkey and a container comprising an inactivated Newcastle disease virus and an adjuvant for a boosting vaccination of a chicken or turkey.

No. of Pages: 22 No. of Claims: 7

(21) Application No.4435/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

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

(51) International

:F02D41/20,F02D41/22,F02D41/38

classification

(31) Priority Document No :2012257180

(32) Priority Date (33) Name of priority country: Japan

:26/11/2012

(86) International Application

:PCT/JP2013/081491

:22/11/2013

Filing Date

(87) International Publication :WO 2014/081009

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

Japan

(72)Name of Inventor:

1)NAKAJIMA Toshiya

2)KITANO Koji 3)GOTOU Isamu 4)SUZUKI Naoki

(57) Abstract:

A control device (100) for an internal combustion engine equipped with: an in cylinder oxygen concentration acquisition unit that obtains the oxygen concentration in the cylinders; an in cylinder temperature acquisition unit that obtains the temperature in the cylinders; a target in cylinder temperature acquisition unit that obtains a target in cylinder temperature at the time of a main injection on the basis of the in cylinder oxygen concentration obtained by the in cylinder oxygen concentration acquisition unit; and an in cylinder oxygen concentration control unit that on the basis of the target in cylinder temperature at the time of a main injection obtained by the target in cylinder temperature acquisition unit and the in cylinder temperature obtained by the in cylinder temperature acquisition unit controls the in cylinder oxygen concentration at the time of a pilot injection performed prior to the main injection.

No. of Pages: 103 No. of Claims: 8

(22) Date of filing of Application :21/05/2012

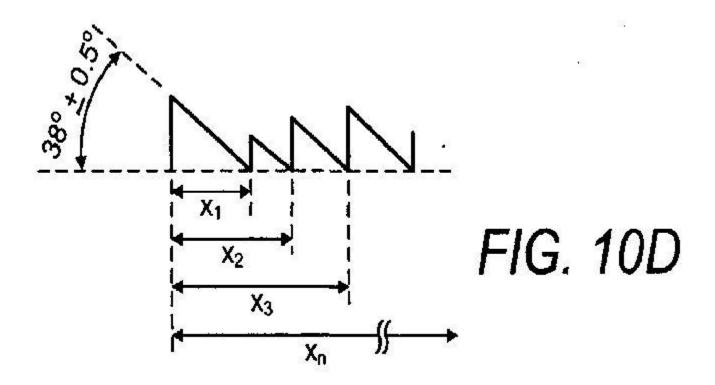
(43) Publication Date: 27/11/2015

# (54) Title of the invention: INTRAOCULAR LENS WITH FRESNEL PRISM

(51) International classification	:A61F 2/16	(71)Name of Applicant:
(31) Priority Document No	:0920505.5	1)RAYNER INTRAOCULAR LENSES LIMITED
(32) Priority Date	:23/11/2009	Address of Applicant :LOWNDES HOUSE, THE BURY,
(33) Name of priority country	:U.K.	CHURCH STREET, CHESHAM, BUCKINGHAMSHIRE, HP5
(86) International Application No	:PCT/GB2010/051944	1DJ, UNITED KINGDOM U.K.
Filing Date	:23/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/061550	1)PURCHASE, DANIEL
(61) Patent of Addition to Application	:NA	2)TOOP, PETER
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An intraocular lens is described which comprises, as one face (21, 145) thereof, a linear Fresnel prism array with facets angled relative to the optical axis of the lens so as to deviate light incident thereon to an off-axis position. The facets are modified so as to reduce at least one of diffraction effects and astignatism associated with the Fresnel prism. In particular, by varying the pitch (x1,..., xn) of the prism elements across the array, which may comprise varying their size, a diffraction grating effect can be reduced or negated, such that light is not diffracted into undesirable orders and multiple images can be avoided. Furthermore, chromatic angular dispersion associated with the diffraction grating effect may be reduced. The pitch variation can be random. By varying the angle of the facets across the array, astigmatism that would otherwise result from the presence of the Fresnel prism can also be compensated.



No. of Pages: 45 No. of Claims: 22

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METAL DENSITY DISTRIBUTION FOR DOUBLE PATTERN LITHOGRAPHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H01L21/027 :13/686184 :27/11/2012 :U.S.A. :PCT/US2013/071614 :25/11/2013 :WO 2014/085299 :NA :NA :NA	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES INC. Address of Applicant: One AMD Place P.O. Box 3453 Sunnyvale CA 94088 U.S.A. (72)Name of Inventor: 1)SCHULTZ Richard 2)ROWHANI Omid 3)TUNG Charles
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#### (57) Abstract:

Methods a computer readable medium and an apparatus are provided. A method includes and the computer readable medium is configured for decomposing an overall pattern into a first mask pattern that includes a power rail base pattern and into a second mask pattern and generating on the second mask pattern a power rail insert pattern that is at least partially aligned with the power rail base pattern of the first mask pattern. The apparatus is produced by photolithography using photolithographic masks generated by the method.

No. of Pages: 54 No. of Claims: 30

(22) Date of filing of Application :23/05/2014

(43) Publication Date: 27/11/2015

# (54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF PHOSPHOROUS CONTAINING MESOPOROUS ALUMINA CALALYST FOR SELECTIVE DEHYDRATION OF METHANOL TO DIMETHYL ETHER

## (57) Abstract:

The present invention provide an improved process for the preparation of phosphorous containing mesoporous alumina catalyst for selective dehydration of methanol to dimethyl ether. The process provides a single step selective vapour phase dehydration of methanol to produce dimethyl ether over phosphorous containing mesoporous alumina (P/Al203) catalyst at a temperature 250 - 300°C. The process provides methanol conversion of 45-1 00% with selectivity up to 100%.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A PROCESS FOR THE PREPARATION OF LEAD FREE BARIUM CALCIUM TIN TITANATE (BCST) NANOFIBERS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	4/33 :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN, RAFI
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	MARG, NEW DELHI - 110001, INDIA. Delhi India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)PANDA PRASANTA KUMAR 2)SAHOO BENUDHAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention discloses a process for the preparation of nano sized to sub micron sized (Bao.96Cao.04) (Sno.ioTio.9o)03 nanofibers. The invention consists of preparation of a homogeneous acetate salt solution of BCST in poly vinyl pyrrolidone and ethyl alcohol. The homogeneous solution was eiectrospun to generate composite fibers/nanofibers of PVP + BCST acetate. The composite fibers were heat treated at  $1150^{\circ}$ C for 2 hours to expel the organic phase leaving pure BCST nanofibers. SEM study shows the diameter of as spun fibers are in the range of 70nm to 275 nm and the diameter of heat treated nanofibers are in the range of 50nm to 210 nm. A pellet was made from calcined nanofibers, sintered at  $1250^{\circ}$ C, poled and the properties such as piezoelectric constant (das), dielectric constant (K) and remnant polarization (Pr) are 398 pC/N, 3432, 7.97  $\mu$ C/cm2 respectively.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SHIELDING DEVICE AND CLUTCH USED THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:E06B 9/322 :2009-252350 :02/11/2009 :Japan :PCT/JP2010/069444 :01/11/2010 :WO 2011/052772 :NA	(71)Name of Applicant:  1)TACHIKAWA CORPORATION Address of Applicant:3-1-12 MITA, MINATO-KU, TOKYO 1088334 (JP) Japan (72)Name of Inventor: 1)NAKAMURA, HAJIME
Filing Date	:NA	

### (57) Abstract:

A shielding apparatus is provided in which operations of raising and lowering a middle rail and operations of raising and lowering a bottom rail can be performed independently from each other by means of a common operation cord. In a shielding apparatus equipped with an elevation apparatus configured to raise and lower a middle rail 3 and a bottom rail 5, whereby a shielding member 2, 4 can be pulled out in the vertical direction or folded in, the elevation apparatus comprises an operation cord 16 of an endless type hanging down from a head box 1, and selective operation means 13 configured to raise or lower the middle rail 3 through an operation of the operation cord 16 in one direction, and to raise or lower the bottom rail 5 through an operation in the other direction, wherein the selective operation means 13 is configured to push up the middle rail 3 by the bottom rail 5 so that the bottom rail 5 and the middle rail 3 can be raised together.

No. of Pages: 62 No. of Claims: 15

(22) Date of filing of Application :23/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: COMPOSITIONS AND/OR ARTICLES WITH IMPROVED SOLUBILITY OF A SOLID ACTIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/739247 :19/12/2012 :U.S.A. :PCT/US2013/075911 :18/12/2013 :WO 2014/100067 :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)TANNER Paul Robert 2)ROBINSON Larry Richard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Personal care compositions for use in an absorbent article are disclosed comprising an isosorbide diester having the formula (I) wherein R and R are independently selected from a straight or branched C chain which may be saturated or unsaturated. The personal care compositions also comprise a solid cosmetic active soluble in the isosorbide diester and a dermatologically acceptable carrier. The personal care composition may be in the form of an emulsion. A personal care composition is also disclosed comprising an isosorbide diester having the formula (II) wherein R and R are independently selected from a straight or branched C chain which may be saturated or unsaturated and Z Z are independently selected from hydrogen hydroxyl amino amido R or R . Methods of making the aforementioned personal care compositions are also disclosed.

No. of Pages: 39 No. of Claims: 14

(22) Date of filing of Application :21/05/2012

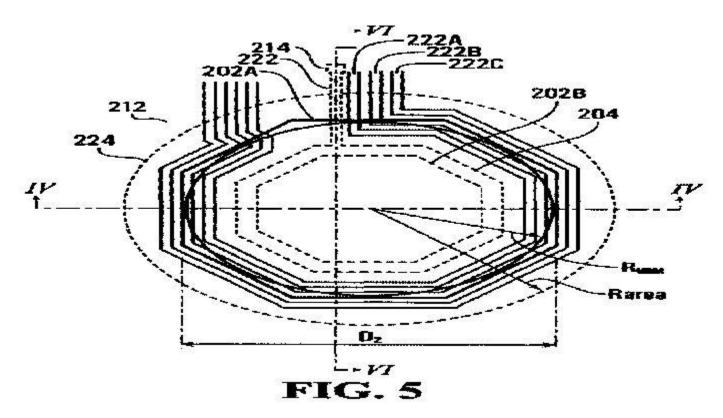
(43) Publication Date: 27/11/2015

## (54) Title of the invention: A ROUTING LAYER FOR MITIGATING STRESS IN A SEMICONDUCTOR DIE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H01L 23/488 :12/604,584 :23/10/2009 :U.S.A. :PCT/CA2010/001670 :21/10/2010 :WO 2011/047479	(71)Name of Applicant:  1)ATI TECHNOLOGIES ULC Address of Applicant: 1 COMMERCE VALLEY DRIVE EAST, MARKHAM, ONTARIO L3T 7X6, CANADA Canada (72)Name of Inventor: 1)TOPACIO, RODEN 2)WONG, GABRIEL
Filing Date	:21/10/2010	1)TOPACIO, RODEN
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A routing layer for a semiconductor die is disclosed. The routing layer includes pads for attaching solder bumps; bond-pads bonded to bump-pads of a die having an integrated circuit, and traces interconnecting bond-pads to pads. The routing layer is formed on a layer of dielectric material. The routing layer includes conductive traces at least partially surrounding some pads so as to absorb stress from solder bumps attached to the pads. Parts of the traces that surround pads protect parts of the underlying dielectric material proximate the solder bumps, from the stress.



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

(21) Application No.4430/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PRIMERS SNP MARKERS AND METHOD FOR GENOTYPING MYCOBACTERIUM TUBERCULOSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/68 :61/730033 :26/11/2012 :U.S.A. :PCT/US2013/071819 :26/11/2013 :WO 2014/082055 :NA :NA :NA	(71)Name of Applicant:  1)NATIONAL HEALTH RESEARCH INSTITUTES Address of Applicant: No. 35 Keyan Road Zhunan Township 350 Miaoli County Taiwan 2)YUH Chiou Hwa (72)Name of Inventor: 1)TSAI Shih Feng 2)LIN Chien Hsing 3)DOU Horng Yunn
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#### (57) Abstract:

The present application provides a primer set for genotyping M. tuberculosis selected from the group consisting of primer sets 1 25 (SEQ ID Nos. 1 50) and also provides an extension primer for genotyping M. tuberculosis selected from one of the group consisting of SEQ ID Nos. 51 75. The present application provides a combination of single nucleotide polymorphism markers of. Further the present application provides a method and a kit for genotyping M. tuberculosis.

No. of Pages: 89 No. of Claims: 12

(22) Date of filing of Application :21/05/2012

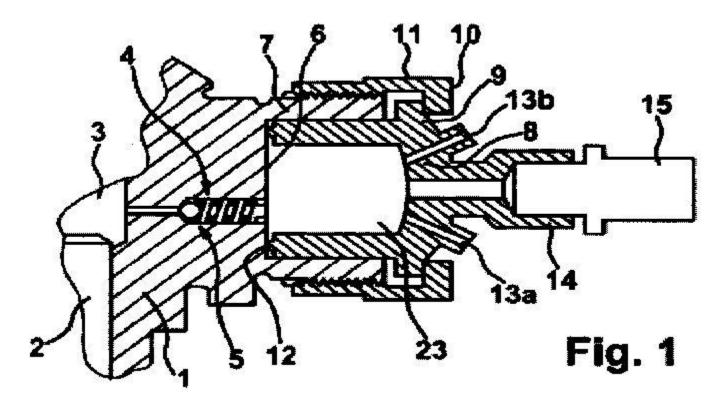
(43) Publication Date: 27/11/2015

## (54) Title of the invention: FUEL INJECTION SYSTEM WITH INTEGRATED HIGH-PRESSURE ACCUMULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/12/2010 :WO 2011/091937 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)BOECKING, FRIEDRICH 2)SATO, SAKAE 3)BESANCON, SYLVAIN
Filing Date	:NA	

#### (57) Abstract:

The present subject matter describes a fuel injection system of an internal combustion engine comprising a high-pressure pump, where a high-pressure outlet (4) of the high-pressure pump is connected to a high-pressure accumulator (23) that has at least one accumulator outlet (13a, 13b) for connection to a fuel injector. Further, the high-pressure accumulator (23) is directly adapted to the high-pressure pump, and the accumulator outlet (13a, 13b) is aligned in a precisely defined position with respect to the high-pressure pump.



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

(21) Application No.4431/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: UZM 44 ALUMINOSILICATE ZEOLITE

(51) International classification	:C01B39/48,B01J29/70	(71)Name of Applicant:
(31) Priority Document No	:61/736369	1)UOP LLC
(32) Priority Date	:12/12/2012	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application No	:PCT/US2013/073224	(72)Name of Inventor:
Filing Date	:05/12/2013	1)MILLER Mark A.
(87) International Publication No	:WO 2014/093110	2)NICHOLAS Christopher P.
(61) Patent of Addition to Application	:NA	3)WILSON Stephen T.
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A new family of aluminosilicate zeolites designated UZM 44 has been synthesized. These zeolites are represented by the empirical formula. NaMTAlESiO where n is the mole ratio of Na to (Al + E) M represents a metal or metals from zinc Group 1 Group 2 Group 3 and or the lanthanide series of the periodic table m is the mole ratio of M to (Al + E) k is the average charge of the metal or metals M T is the organic structure directing agent or agents and E is a framework element such as gallium. These zeolites are similar to IM 5 but are characterized by unique compositions and synthesis procedures and have catalytic properties for carrying out various hydrocarbon conversion processes and separation properties for carrying out various separations.

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

(21) Application No.4432/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PILOT-OPERATED PRESSURE CONTROL VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10 2009 053 635.3 :17/11/2009 :Germany :PCT/EP2010/006327 :15/10/2010 :WO 2011/060857 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: 70469 STUTTGART, GERMANY  Germany (72)Name of Inventor:  1)JERCHEN, ADRIAN  2)GEIGER, THORSTEN  3)GRAF, LUDMILLA
Filing Date	:NA	

#### (57) Abstract:

Described herein is a pilot-controlled pressure control valve having a main stage and a pilot-operated stage. A pilot-operated piston (46, 48) of the pilot-controlled pressure control valve having a pilot-operated spring (50) acts in a closing direction of the pilot-operated stage. The pilot-operated spring (50) is supported on a spool valve (54), which is positioned by a control pressure against the force of an overload spring (58) for setting a preload of the pilot-operated spring (50). In a loaded position, in which the pilot-operated spring (50) comprises minimum preload, the spool valve rests (54) against a stop (70, 70a). A preload of the overload spring (58) and a position of the stop (70, 70a) are set independent of one another.

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

## (54) Title of the invention: ELECTRIC DRIVE SYSTEM

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application (71) Name of Applicant:  (72) Name of Inventor:  (72) Name of Inventor:  (72) Name of Inventor:  (72) Name of Inventor:  (72) Name of Applicant:  (73) Name of Applicant:  (74) Name of Applicant:  (74) Name of Applicant:  (75) Name of Applicant:  (76) Name of Applicant:  (77) Name of Applicant:  (77) Name of Applicant:  (77) Name of Applicant:  (78) Name of Applicant:  (79) Name of Applicant:  (78) Name of Applicant:  (79) Name of Appl	
(62) Divisional to Application Number :NA Filing Date :NA	

### (57) Abstract:

The present invention relates to an electric drive system comprising an electric motor (10) arranged to rotate a drive shaft (16); a drive planetary gear configuration (70) being in driving engagement with said drive shaft (16) and an output shaft (50) rotatable relative to said drive shaft (16); and means for providing change in rotational speed of said output shaft (50), wherein said rotational speed changing means (80, 82) are disposed on opposite sides of the motor (10) respectively. The present invention also relates to a motor driven unit, for example a motor vehicle.

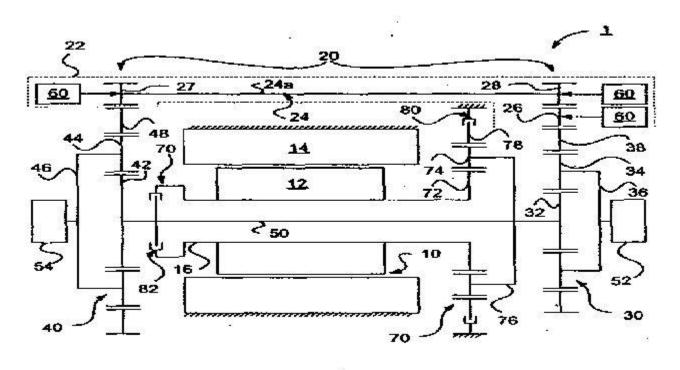


Fig. 2

No. of Pages: 32 No. of Claims: 17

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD OF DETERMINING TRAJECTORIES THROUGH ONE OR MORE JUNCTIONS OF A TRANSPORTATION NETWORK

(51) International classification	:G01C21/32,G08G1/01	(71)Name of Applicant:
(31) Priority Document No	:1221150.4	1)TOMTOM BELGIUM N.V.
(32) Priority Date	:23/11/2012	Address of Applicant :Zuiderpoort Office Park Gaston
(33) Name of priority country	:U.K.	Crommenlaan 4 bus 0501 9050 Gent Belgium
(86) International Application No	:PCT/EP2013/074657	(72)Name of Inventor:
Filing Date	:25/11/2013	1)VERHEYEN Koen
(87) International Publication No	:WO 2014/080023	2)POPPE Chris
(61) Patent of Addition to Application	:NA	3)DE WITTE Joachim
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of determining trajectories (1810 1813) through at least one junction of a transportation network for display on a visual representation of a digital map the digital map comprising data that is a digital representation of the transportation network. The method comprises obtaining positional information relating to the movement of a plurality of mobile devices with respect to time on the transportation network through an area (1801) comprising the at least one junction the border of the area being divided into a plurality of segments. The positional information is used to create an entry histogram (1802) by determining a count of positional information that enters the area at each segment of the border and an exit histogram (1804) by determining a count of positional information that exits the area at each segment of the border; the histograms subsequently being used to define one or more entry (1806) and exits (1808) gates into and out of the area (1801). A trajectory through the area is assigned to pairs of entry and exit gates using the positional information.

No. of Pages: 28 No. of Claims: 14

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR DETECTING ANALYTES.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G01N 33/53 :10-2009-0110619 :17/11/2009 :Republic of Korea :PCT/KR2010/008094 :16/11/2010 :WO 2011/062407 :NA :NA	(71)Name of Applicant:  1)AMOGREENTECH CO., LTD., Address of Applicant:185-1 SUCHAM-RI, TONGJIN-EUP, GIMPO-SI, GYEONGGI-DO, 415-863 REPUBLIC OF KOREA Republic of Korea (72)Name of Inventor: 1)SUK JUNG CHOI 2)BYUNG HAK CHOE 3)SUNG II KIM
Number		, ·
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a method and apparatus for detecting analytes, in which an analyte-receptor complex that is formed by a coupling of an analyte and a receptor is separated from a free receptor that has not been coupled with the analyte, to then detect the analyte-receptor complex. The method and apparatus for detecting analytes does not only provide an effect of detecting various substances with a single sensor chip, but also provides advantages of detecting a particular object substance from a sample containing a number of substances and easily amplifying a signal.

No. of Pages: 44 No. of Claims: 15

Address of Applicant: 237 Fawn Court Pittsboro Indiana

1)LONG Charles F.

2)MCCAULEY Phillip

3)TAYLOR Charles

(72)Name of Inventor:

1)LONG Charles F.

3)TAYLOR Charles

2)MCCAULEY Phillip

46167 U.S.A.

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ENGINE OFF AUXILIARY HYDRAULIC PRESSURIZATION SYSTEM AND METHOD FOR A **TRANSMISSION**

(51) International (71)Name of Applicant: :F16H61/38,F16H61/4008,F16H61/4043

classification

(31) Priority Document :61/720673

(32) Priority Date :31/10/2012 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2013/067509 Application No

Filing Date

(87) International

**Publication No** 

(61) Patent of Addition to Application Number

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

:30/10/2013

:WO 2014/070893

:NA :NA

:NA

(57) Abstract:

An auxiliary hydraulic pressurization system for use with a vehicle including a transmission having a hydraulic reservoir a hydraulic circuit and a main pump is disclosed herein. The auxiliary hydraulic pressurization system includes an auxiliary pump and a controller. The auxiliary pump has a low side adapted to be coupled to the hydraulic reservoir and a high side adapted to be coupled to the hydraulic circuit. The controller is electrically connectable to the auxiliary pump and is configured to turn on the auxiliary pump in response to receipt of a signal indicating that the vehicle is in a stop condition to maintain hydraulic pressurization of the hydraulic circuit of the transmission when the vehicle is in the stop condition.

No. of Pages: 27 No. of Claims: 32

(22) Date of filing of Application :21/05/2012

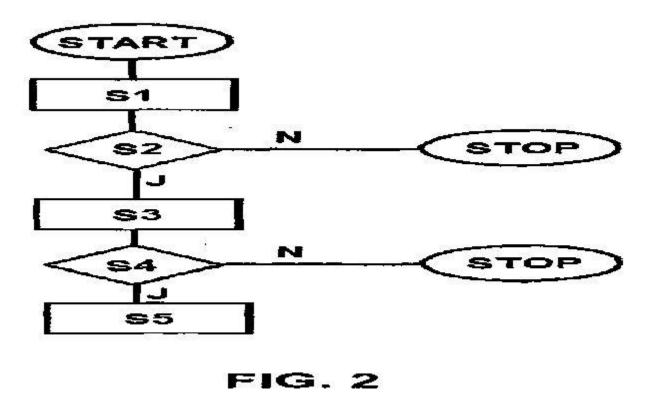
(43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR ADAPTING THRESHOLD WINDOWS, CONTROL DEVICE, MEDICAL TREATMENT APPARATUS AND MEDICAL MONITORING APPARATUS

(51) International classification	:G06F 19/00	(71)Name of Applicant:
(31) Priority Document No	:10 2009 054 395.3	1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH
(32) Priority Date	:24/11/2009	Address of Applicant :ELSE-KRONER-STR. 1, 61352 BAD
(33) Name of priority country	:Germany	HOMBURG V.D.H. (DE) Germany
(86) International Application No	:PCT/EP2010/007075	(72)Name of Inventor:
Filing Date	:23/11/2010	1)GRUENDKEN, MARTIN
(87) International Publication No	:WO 2011/063924	2)HERRMANN, UWE
(61) Patent of Addition to Application	:NA	3)KIPP, SABINE
Number		4)NACHBAUR-STURM, CHRISTINE
Filing Date	:NA	5)PUSINELLI, THOMAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		•

#### (57) Abstract:

The invention relates to a method for adapting limit value ranges of at least one measured variable, wherein at least one second limit value range of at least one second measured variable is adapted in accordance with the change in a first limit value range of a first measured variable by means of a control or regulating unit (1) provided and configured for that purpose. The invention further relates to a control or regulating unit (1), to a medical treatment device (100), to a medical monitoring device, to a digital memory medium, to a computer program product and to a computer program.



No. of Pages: 25 No. of Claims: 17

(21) Application No.4441/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: GENERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03G7/00,F03B1/04 :1201005618 :25/10/2012 :Thailand :PCT/TH2012/000048 :21/11/2012 :WO 2014/065766 :NA :NA	(71)Name of Applicant:  1)PORNCHAIWISESKUL Athit Address of Applicant:72/66 Moo 17 Suwinthawong Road Sansaeb Minburi Bangkok 10510 Thailand (72)Name of Inventor: 1)PORNCHAIWISESKUL Athit
Filing Date	:NA	

#### (57) Abstract:

A generator includes a turbine with blades (2) a reservoir (7) an air pump (3) an air tube (4) and a dynamo (5). Water is filled in the reservoir (7) and the turbine is submerged in water. Air is pumped into the air tube (4) beneath the blades by the air pump (3) and is delivered to the water. The blades (2) are rotated by the air delivered into the water so as to rotate the dynamo (5) to produce electricity.

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

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD FOR TEMPORARILY INTERRUPTING AN EXTRACORPOREAL BLOOD TREATMENT, CONTROL DEVICE AND BLOOD TREATMENT APPARATUS

(51) International classification	:A61M 1/36
(31) Priority Document No	:10 2009 054 415.1
(32) Priority Date	:24/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/007074
Filing Date	:23/11/2010
(87) International Publication No	:WO 2011/0063923
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
(57) Abstract:	

(71)Name of Applicant:

1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant :ELSE-KRONER-STRAE 1, 61352

BAD HOMBURG V.D.H. (DE) Germany

74 (72)Name of Inventor:

1)HERRMANN, UWE

2)KIPP, SABINE

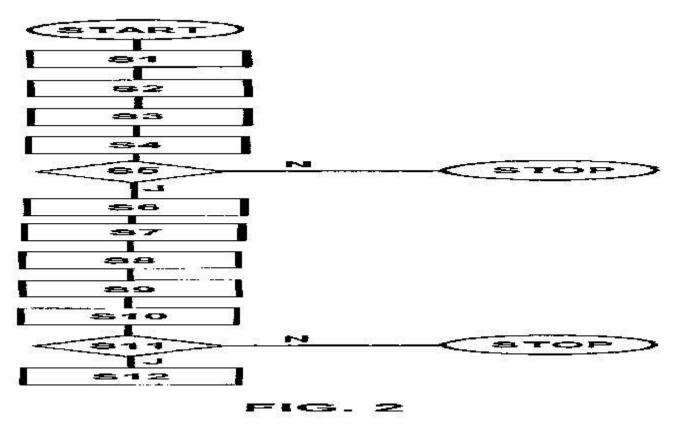
3)NACHBAUR-STURM, CHRISTINE

4)PUSINELLI, THOMAS 5)GRUENDKEN, MARTIN

6) VERCH, GEORG

#### (57) Abstract:

The present invention relates to a method for temporarily interrupting an extracorporeal treatment of blood of a patient (200) by means of a blood treatment apparatus (1). The method comprises activating or controlling a control device (3) being provided and configured to bring the blood treatment apparatus (1) into a state in which the blood treatment session of the patient (200) can be interrupted with the intention to continue the blood treatment session. The present invention further relates to a control device (3), a blood treatment apparatus (1), a digital storage means, a computer program product as well as a computer program.



No. of Pages: 40 No. of Claims: 16

(21) Application No.4442/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: SEAL OF A COMPRESSOR ROTOR

(51) International

:F04D17/12,F04D29/10,F04D29/12

classification

:10 2012 223 830.1

(31) Priority Document No

(32) Priority Date (33) Name of priority country: Germany

:19/12/2012

(86) International Application

:PCT/EP2013/077143

:18/12/2013

:NA

Filing Date

(87) International Publication :WO 2014/096036

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

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

Germany

(72) Name of Inventor:

1)M-NK Thomas

2) ZACHARIAS Wolfgang

## (57) Abstract:

The invention relates to a compressor rotor (1) comprising a pinion shaft (2) which has multiple interconnected segments (3 4 5) that are arranged axially one behind the other and comprising a multipart seal (6) which seals the pinion shaft (2). The aim of the invention is to prevent imbalances in the compressor rotor (1) or to allow a centering of a multipart seal (6) sealing element (13) which rotates together with the compressor rotor (1) with as little play as possible. This is achieved in that the pinion shaft (2) has a rotor segment (5) which supports a rotor a connection segment (5) and a toothed segment (3) arranged axially between the rotor segment (5) and the connection segment (4) said toothed segment (3) having a toothing (9) at each of the two ends (7 8) of the toothed segment. The toothed segment (3) is held axially between the rotor segment and the connection segment via said toothings by means of corresponding mating toothings (10) at ends (11 12) of the rotor segment (5) and the connection segment (4) in particular in a centered manner without any play and a multipart seal (6) sealing element (13) which is connected to the toothed segment (3) in an at least force fitting manner is arranged on said toothed segment (3).

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

(21) Application No.1350/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: IMPROVED APPARATUS FOR BRIQUETTING MACHINE.

(51) International classification	:B30B15/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Gaurav Bhargava
(32) Priority Date	:NA	Address of Applicant :952, 11th E Road, Sardarpura, Jodhpur,
(33) Name of priority country	:NA	(Rajasthan) Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Gaurav Bhargava
(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 improved briquetting machine apparatus useful for creating better quality pellets in faster production times thereby saving cost and time. It does so by developing a multiple hole die and a compatible die holder for increased production capacity of pellets with lesser diameter. First the raw material is grinded. Then Raw Material is fed between die and roller. The material is compressed and pushed out of die. While pushing at high pressure the material gets heated and lignin is melted. By cooling, the lignin plasticizes the pellets. From this reciprocating apparatus, good quality pellets can be manufactured at a fast production speed.

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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: REACTOR FOR PRODUCING A PRODUCT GAS FROM A FUEL

(51) International classification (31) Priority Document No	:C10J3/46,C10J3/48,C10J3/72 :2009733	(71)Name of Applicant: 1)STICHTING ENERGIEONDERZOEK CENTRUM
(32) Priority Date	:31/10/2012	NEDERLAND
(33) Name of priority country	:Netherlands	Address of Applicant :Westerduinweg 3 NL 1755 LE Petten
(86) International Application No	:PCT/NL2013/050768	Netherlands
Filing Date	:30/10/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/070001	1)ZWART Robin Willem Rudolf
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	2)VAN DER MEIJDEN Christiaan Martinus 3)VAN DER DRIFT Abraham
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Reactor for producing a product gas from a fuel having a housing (11 12 13) with a combustion part accommodating a fluidized bed (7) in operation a riser (2) extending along a longitudinal direction of the reactor (1) and a downcomer (3) positioned coaxially around the riser (2) and extending into the fluidized bed (7). One or more feed channels (8) for providing the fuel to the riser (2) are provided. The riser (2) is attached to the housing (11 12 13) of the reactor (1) in a bottom part (13) of the housing (11 12 13) and a part of the riser (2) above the one or more feed channels (8) is moveable with respect to the downcomer (3) in the longitudinal direction of the reactor (1).

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

(22) Date of filing of Application :21/05/2012 (43) I

(43) Publication Date: 27/11/2015

# (54) Title of the invention : ORE FINE AGGLOMERATE TO BE USED IN SINTERING PROCESS AND PRODUCTION PROCESS OF ORE FINES AGGLOMERATE

(51) International classification (31) Priority Document No	:C22B 1/16 :61/262,005	(71)Name of Applicant: 1)VALE S.A.
(32) Priority Date	:17/11/2009	Address of Applicant :AVENIDA GRACE ARANHA, N° 26
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/IB2010/003141	CENTRO-RIO DE JANEIRO-RJ 20030-000 BRAZIL Brazil (72)Name of Inventor:
Filing Date (87) International Publication No	:17/11/2010 :WO 2011/061627	1)PORTA PIMENTA, HAMILTON 2)DE CASTRO DUTRA, FLAVIO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An ore fine agglomerate to be used in a sintering process is disclosed, wherein the ore fine agglomerate is formed by a mixture of ore fine particles and an agglomerating agent, and wherein the particles have diameters between 0.01 mm and 8.0 mm. A production process of ore fines agglomerate is disclosed comprising the steps of using ore fine particles with a granulometry lower than 0.150 mm, mixing the ore fine particles with an agglomerating agent in a ratio of 0.5 to 5.0% by mass of sodium silicate, forming wet particles with diameters between 0.01 mm and 8.0 mm with an addition of water, and drying the wet particles at a temperature varying from 100°C and 150°C to form dry particles that are resistant to mechanical efforts and the elements.

No. of Pages: 15 No. of Claims: 12

(21) Application No.4446/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: COUPLING DEVICE AND SMART FABRIC 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> </ul>	:25/10/2013 :WO 2014/066729 :NA :NA	(71)Name of Applicant:  1)JENKINS Arthur L.  Address of Applicant: 251 Shore Road Greenwich CT 06830 U.S.A. (72)Name of Inventor:  1)JENKINS Arthur L.
- 14	:NA :NA :NA	

#### (57) Abstract:

An electromagnetic coupling device. The coupling device has a device body and at least one tongue member protruding from the device body. The tongue member has one or more ferro magnetic engagement means provided thereon. At least one tongue member receiving means is provided on or defined by the device body and at least one electromagnet is provided substantially adjacent the receiving means. The engagement means provided on the tongue member of a second electromagnetic coupling device may be accommodated within the receiving means of the device body. The electromagnet is operable to cause the engagement means of the tongue member of the said second electromagnetic coupling device to substantially resist or prevent movement of the said tongue member within the receiving means.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SURGICAL DEVICE AND MEDICAL NEEDLE MODULE HAVING INDICATION FUNCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/11/2010 :WO 2011/059278 :NA :NA	(71)Name of Applicant:  1)RIMSCIENCE CO., LTD,  Address of Applicant: 2ND FLOOR 477-11 SANGDO-DONG, DONGIAK-GU, SEOUL-156-881, REPUBLIC OF KOREA Republic of Korea (72)Name of Inventor:  1)YOON, SANG JIN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a surgical device and a medical needle module having an indication function. According to one aspect or the present invention, the medical needle module comprises a medical needle, a light, channel unit, and a light radiation unit, wherein the light channel unit provides a light channel for allowing light from the light radiation unit to indicate a position in which the medical needle is to be used.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :21/05/2012

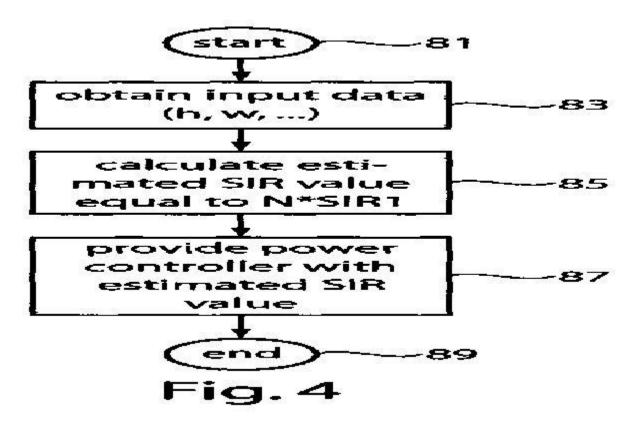
(43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND DEVICE RELATING TO POWER CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04W 52/24 :NA :NA :NA :PCT/SE2009/051512 :29/12/2009 :WO 2011/081581	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant :SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)BJORKEGREN, HAKAN 2)RAO, JING
(61) Patent of Addition to Application Number	:NA	2)RAO, JING
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

The present invention provides a method which performs an estimation of a SIR as basis for transmit power control. The SIR estimation is performed for a radio signal (u) which is transmitted from a transmitter (35) to a receiver (43) over a radio channel (37). A channel estimate h and a combining weight w are first obtained (83). Then an estimated SIR value is generated (85) based at least in part on the channel estimate h and the combining weight w. The estimated SIR value is generated such that it equals a first estimated SIR value multiplied by a numerical factor. The numerical factor is dependent on the channel estimate h and the combining weight w in a manner such that it attains a minimum value whenever the channel estimate h and the combining weight w are linearly dependent. The invention also comprises devices for carrying out the method.



No. of Pages: 29 No. of Claims: 18

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DEVICE ARCHITECTURE AND METHOD FOR IMPROVED PACKING OF VERTICAL FIELD EFFECT DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H01L29/04 :61/729686 :26/11/2012 :U.S.A. :PCT/US2013/072095 :26/11/2013 :WO 2014/082095 :NA	(71)Name of Applicant:  1)D3 SEMICONDUCTOR LLC Address of Applicant:15050 E. Beltwood Parkway Addison TX 75001 U.S.A. (72)Name of Inventor: 1)HARRINGTON Thomas E. 2)YANG Robert Kuo chang
- 100000		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A semiconductor field effect device is disclosed that utilizes an octagonal or inverse octagonal deep trench super junction in combination with an octagonal or inverse octagonal gate trench. The field effect device achieves improved packing density improved current density and improved on resistance while at the same time maintaining compatibility with the multiple of 45° angles of native photomask processing and having well characterized (010) (100) and (110) (and their equivalent) silicon sidewall surfaces for selective epitaxial refill and gate oxidation resulting in improved scalability. By varying the relative length of each sidewall surface devices with differing threshold voltages can be achieved without additional processing steps. Mixing trenches with varying sidewall lengths also allows for stress balancing during selective epitaxial refill.

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

(22) Date of filing of Application :21/05/2012

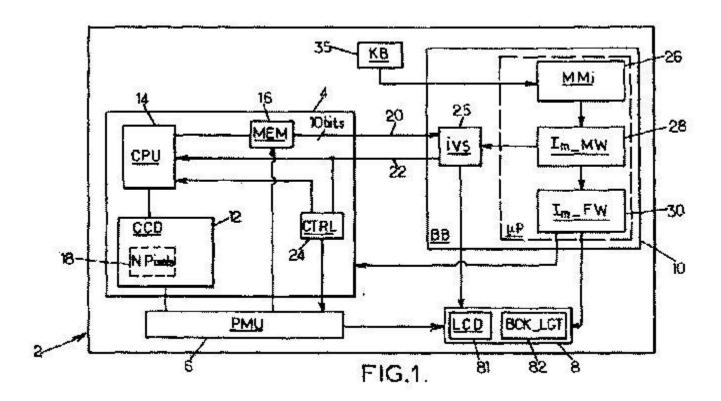
(43) Publication Date: 27/11/2015

## (54) Title of the invention: LUMINANCE CONTROL OF A DISPLAY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G09G 3/34 :09 59257 :18/12/2009 :France :PCT/EP2010/069727 :15/12/2010 :WO 2011/073243	(71)Name of Applicant:  1)ST-ERICSSON (FRANCE) SAS  Address of Applicant: 12 RUE JULES JOROWITZ, F-38000 GRENOBLE (FR) France  2)ST-ERICSSON SA  (72)Name of Inventor:  1)CHERUEL, FABRICE
(86) International Application No	:PCT/EP2010/069727	2)ST-ERICSSON SA
Filing Date	:15/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/073243	1)CHERUEL, FABRICE
<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 device is proposed comprising a display screen (8) for displaying digital information and/or images in a first mode of operation of the device, an image sensor (4) having a set (12) of photosensitive cells for capturing at least one digital image in a second mode of operation, and a control unit (34) for controlling at least one display parameter of the screen in the first mode of operation. The control unit is configured to adjust the parameter on the basis of information representative of the brightness of ambient light obtained from at least a subset (18) of the set of photosensitive cells of the image sensor.



No. of Pages: 23 No. of Claims: 19

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DRIVER FOR LED LIGHTING AND METHOD OF DRIVING LED LIGHTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:21/11/2012 :WO 2014/078994 :NA :NA	(71)Name of Applicant:  1)VERSITECH LIMITED  Address of Applicant:Room 405A Cyberport 4 100 Cyberport Road Hong Kong China (72)Name of Inventor:  1)HUI Ron Shu Yuen
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides a driver for LED lighting having a plurality of LEDs the driver receiving AC input power from an AC power source and including a voltage multiplier for supplying a rectified output power to the LEDs to produce a luminous flux. Also provided is a method of driving LED lighting having a plurality of LEDs the method including: receiving AC input power having an input voltage; multiplying the input voltage to supply a multiplied output voltage to the LEDs; and rectifying the AC input power to supply a rectified output power to the LEDs to produce a luminous flux.

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : HANDHELD POWER MACHINE FOR ORTHOPAEDIC DRILL AND SAW AND ORTHOPAEDIC DRILL AND SAW POWER SYSTEM WITH SAME

(51) International classification :A61B17/14,A61B17/16 (71)Name of Applicant : (31) Priority Document No 1) CHONGQING XISHAN SCIENCE & TECHNOLOGY :201210494930.8 (32) Priority Date :28/11/2012 CO.LTD. (33) Name of priority country Address of Applicant : Jupiter Science & Technology :China (86) International Application No Development Center No.9 Huangshan RD. (middle) High tech :PCT/CN2013/074243 Park New North Zone Chongqing 401121 China Filing Date :16/04/2013 (87) International Publication No :WO 2014/082416 (72) Name of Inventor: (61) Patent of Addition to Application 1)GUO Yijun :NA Number 2)ZHANG Xinyun :NA Filing Date 3)LIU Changfeng (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Disclosed is a handheld power machine for an orthopaedic drill and saw the machine at least comprising a handle housing (1) a holding assembly (4) for holding a tool assembly a power motor (2) for outputting power and driving the tool assembly to drill and saw and a switch assembly (5) for controlling the power output of the power motor (2) the power motor (2) having an external power supply. The external power supply can utilize a large scale accumulation battery or mains supply such that it is possible to prevent the conditions of power off or insufficient voltage during a surgical operation ensuring the smooth operation of surgery reducing the heat generated by the handle and reducing the mass of the whole equipment. The handheld power machine for an orthopaedic drill and saw is convenient and flexible to operate and can improve the efficiency of the surgical operations.

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

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

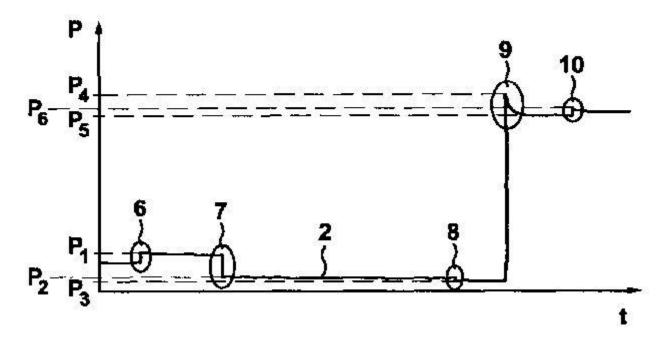
# (54) Title of the invention : METHOD FOR IDENTIFYING CONSUMERS OR PRODUCERS IN A PNEUMATIC, HYDRAULIC OR ELECTRIC NETWORK

<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>	:14/12/2010 :WO 2011/091906 :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)SCHOEPF, FRIEDRICH  2)BRANDSTETTER, MARKUS
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present subject matter relates to a method for identifying consumers (12 to 15) in a pneumatic, hydraulic or electric network (100). A central control unit (21) detects connection or disconnection processes of the consumers (12 to 15) and said processes are associated with the consumers (12 to 15). Comparison profiles of consumers (12 to 15) are stored in the central control unit (21). Each detected connection and disconnection process is compared with the stored comparison profiles, and the detected connection and disconnection processes are associated with a determined consumer (12 to 15) at least with a defined probability.

Fig. 2



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

(21) Application No.4433/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: ABSORBENT ARTICLE

(51) International classification :A61F13/475,A61F13/494 (71)Name of Applicant : 1)THE PROCTER & GAMBLE COMPANY (31) Priority Document No :NA (32) Priority Date Address of Applicant :One Procter & Gamble Plaza Cincinnati :NA (33) Name of priority country :NA Ohio 45202 U.S.A. (86) International Application No :PCT/CN2012/085732 (72) Name of Inventor: Filing Date :03/12/2012 1)WANG Fancheng (87) International Publication No :WO 2014/085955 2)NIU Tianjun (61) Patent of Addition to Application 3)DOMEIER Wolfgang :NA Number :NA Filing Date (62) Divisional to Application Number: NA Filing Date :NA

### (57) Abstract:

An absorbent article having a body facing surface and a transverse centerline comprises a hydrophilic topsheet (12) a backsheet (14) joined to the topsheet (12) an absorbent core (16) disposed between the topsheet (12) and the backsheet (14) and a pair of lateral topsheets (18). Each lateral topsheet (18) is deposited on each longitudinal side of the body facing surface of the absorbent article so that at least a part thereof covers a part of the topsheet (12) where the topsheet (12) covers the absorbent core (16). The lateral topsheet (18) comprises an embedded zone (6) which is a region extending in a longitudinal direction of the absorbent article and has a plurality of compressed areas (5 5a). The lateral topsheet (18) and the topsheet (12) are jointly compressed at the compressed areas (5 5a) so that the lateral topsheet (18) is embedded into the topsheet (12). The lateral topsheet (18) embedded into the topsheet (12) at the compressed areas (5 5a) is one layer.

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

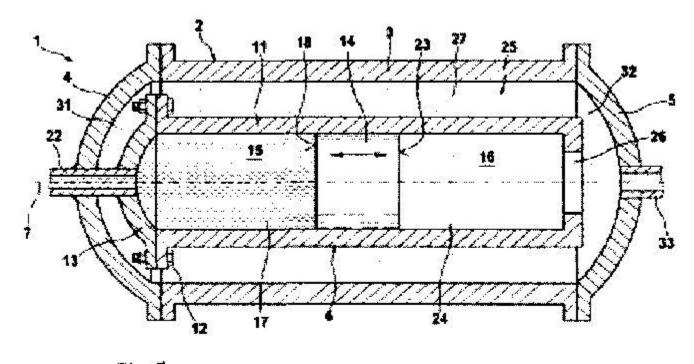
(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PISTON ACCUMULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F15B 1/24 :10 2010 001 200.9 :26/01/2010 :Germany :PCT/EP2010/070866 :29/12/2010 :WO 2011/091936 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)ENGELBERG, RALPH
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

### (57) Abstract:

Described herein is a piston accumulator (1), having: a pressure vessel (2); a cylinder (6) disposed within the pressure vessel (2), an interstice (25) formed between the pressure vessel (2) and the cylinder (6), and a separating piston (14) disposed movable within the cylinder (6). Further, a hydraulic fluid (15) acts on a first side (18) of the separating piston (14) and a gas (16) acts on a second side (23) of the separating piston (14). The gas (16) is fluidically connected to the interstice (25), and the hydraulic fluid (15) is fluidically connected to a connection (22) on the cylinder (6).



Flg.1

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :21/05/2012

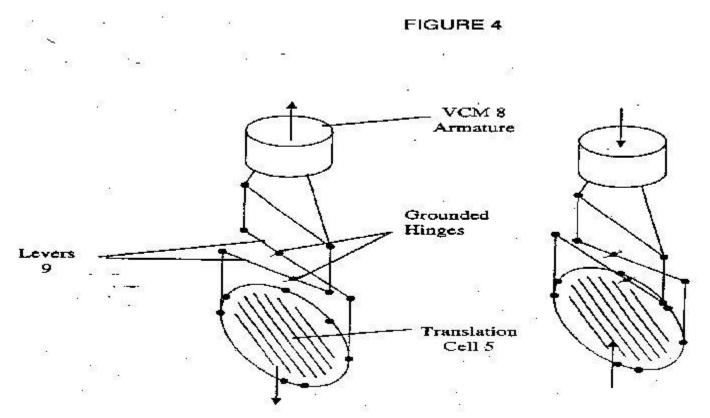
(43) Publication Date: 27/11/2015

## (54) Title of the invention: IMAGING DEVICE WITH A STABILIZING MODULE

(51) International classification	:H04N 5/232	(71)Name of Applicant:
(31) Priority Document No	:0918453.2	1)SELEX GALILEO LIMITED
(32) Priority Date	:21/10/2009	Address of Applicant :CHRISTOPHER MARTIN ROAD,
(33) Name of priority country	:U.K.	BASILDON, ESSEX SS14 3EL, UNITED KINGDOM U.K.
(86) International Application No	:PCT/EP2010/065278	(72)Name of Inventor:
Filing Date	:12/10/2010	1)DUNCAN WEBB
(87) International Publication No	:WO 2011/047990	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An imaging device 1 is described having an electro-mechanical image stabilization system capable of removing the effect on a generated image of vibration and angular movement of the device. The system includes a mechanical coupling 9 interposed between the optics 5 and the drive electronics 8 of the device 1. The coupling 9 ensures that movement generated by vibration is translated into linear movement of the optics 5 and the drive electronics 8 relative to each other.



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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : APPLICATION PROGRAM MANAGEMENT METHOD AND APPARATUS SERVER AND TERMINAL DEVICE

:G06F9/45 (51) International classification (71)Name of Applicant: (31) Priority Document No :201310119920.0 1)XIAOMI INC. (32) Priority Date Address of Applicant :Floor 13 Rainbow City Shopping Mall :08/04/2013 (33) Name of priority country of China Resources NO. 68 Qinghe Middle Street Haidian District :China Beijing 100085 China (86) International Application No :PCT/CN2013/091019 (72) Name of Inventor: Filing Date :31/12/2013 (87) International Publication No :WO 2014/166292 1)QI Dongjie (61) Patent of Addition to Application 2)KANG Shangmingxue :NA Number 3)LIU Xinyu :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention belongs to the field of a terminal device. Disclosed are an application program management method and apparatus a server and a terminal device. The method comprises: obtaining an application program and file association list the application program and file association list being obtained through statistics by the server according to application program information of an application program reported by the terminal device and a file operation behavior that the application program invokes a system read and write interface to execute; and managing the application program according to the application program and file association list. In the present invention the application program and file associated with the application program that are indicated in the list are used so that when the application program is managed the file associated with the application program is managed at the same time thereby reducing requirements for technical costs of a terminal device user avoiding that accumulation of useless files influences a normal running speed and processing capability of the terminal device and ensuring startup and normal running of the terminal device.

No. of Pages: 22 No. of Claims: 18

(22) Date of filing of Application :21/05/2012

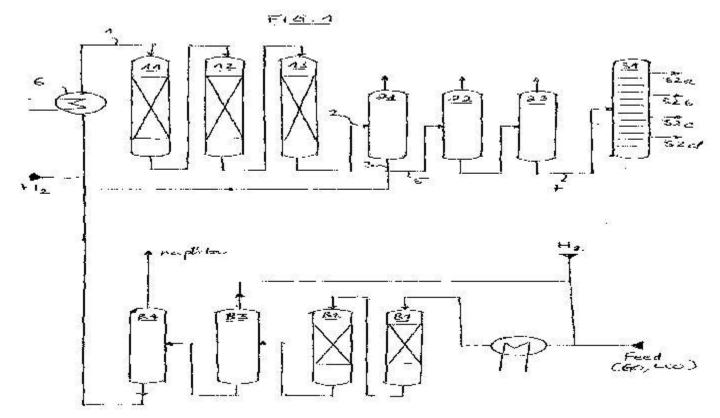
(43) Publication Date: 27/11/2015

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF HYDROCARBON FLUIDS HAVING A LOW AROMATIC CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:CIOG 45/44 :PCT/IB2009/056017 :20/11/2009 :PCT :PCT/IB2010/055313 :19/11/2010 :WO 2011/061716 :NA :NA	(71)Name of Applicant:  1)TOTAL RAFFINAGE MARKETING Address of Applicant: 24, COURS MICHELET, F-92800 PUTEAUX, FRANCE France (72)Name of Inventor: 1)AUBRY, CHRISTINE 2)NOKERMAN, JOELLE
(61) Patent of Addition to Application Number	:NA	2)/ (ORBRITH, COBBE
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention provides a process to prepare very low sulphur, very low aromatic hydrocarbon fluids having a boiling range in the range of from  $100 \text{ to } 400^{\circ}\text{C}$  and a boiling range of not more than  $80^{\circ}\text{C}$ , comprising at least the two successive steps of deep hydrodesulphurating of middle distillate down to less than 10 ppm sulphur, and catalytic hydrogenating the desulphurized middle distillates of preceding step at a temperature from  $80 \text{ to } 180^{\circ}\text{C}$  and at a pressure from 60 to 160 bars.



No. of Pages: 30 No. of Claims: 33

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: TURBINE

(51) International classification	:F03D 3/06	(71)Name of Applicant:
(31) Priority Document No	:0913877.7	1)CROSS-FLOW ENERGY COMPANY LIMITED
(32) Priority Date	:10/08/2009	Address of Applicant :TECHNIUM DIGITAL, SINGLETON
(33) Name of priority country	:U.K.	PARK, SWANSEA, SOUTH WALES SA2 8PP, UNITED
(86) International Application No	:PCT/GB2010/051313	KINGDOM, U.K.
Filing Date	:09/08/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/018651	1)TAY, BOB
(61) Patent of Addition to Application	:NA	2)FENWICK-WILSON, ANTHONY
Number	:NA	3)CROSS, MARK
Filing Date	.11/1	4)CROFT, NICK
(62) Divisional to Application Number	:NA	5)ROLLAND, SAM
Filing Date	:NA	6)WILLIAMS, ALISON

#### (57) Abstract:

A wind turbine for capturing energy from a fluid flow comprises a rotor having a rotational axis and a plurality of rotor blades 104 arranged for rotation about the rotational axis. The rotor blades extend longitudinally in a direction substantially parallel to the rotational axis. A shield member V3 is arranged to shield some of the rotor blades from an oncoming wind where incidence of the wind on those rotor blades would act against rotation of the rotor in the direction of rotation. The rotor blades 104 are distributed about the circumference of the rotor and are spaced from the rotational axis, defining a substantially cylindrical space within the rotor through which the wind passes. The shield member V3 is defined by a radially inward surface and a radially outward surface. The radially inward surface follows substantially a portion of the circumference of the rotor. The radially outward surface of the shield member V3 comprises a first portion which meets the radially inward surface. In the region of the interface with the radially inward surface, the first portion extends in a first direction n that makes an angle of at least 0 degrees and up to 90 degrees in the contrarotational direction with the radial direction of the rotor. The radially outward surface of the shield member V3 comprises a second portion which meets the first portion. At least a portion of the second portion extends in a second direction p that makes an angle of more than 0 degrees in the contra-rotational direction with the first direction n. The turbine has improved power output and efficiency compared to earlier similar designs.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A NOVEL COMPOSITION FOR DELIMING OF HIDES AND SKINS AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:C14C1/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VENKATASUBRAMANIAN SIVAKUMAR
(61) Patent of Addition to Application Number	:NA	2)THIRUMALAISAMY RANGASAMY
Filing Date	:NA	3)CHELLAPPA MURALIDHARAN
(62) Divisional to Application Number	:NA	4)MANDAL ASIT BARAN
Filing Date	:NA	

### (57) Abstract:

Disclosed herein is a novel deliming composition comprising essentially Phenolic carboxyl acid; Glucose, sodium salt of sulfo compound and antifungal agent. It is prepared from natural plant material of defined particle size. The composition finds application in ammonia free process of deliming in leather making. Thus, it is envisaged to have enormous application in tanning industry for hazard free deliming process.

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

(21) Application No.4316/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AZAINDOLE GLUCOKINASE ACTIVATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D 471/04 :61/286,116 :14/12/2009 :U.S.A. :PCT/EP2010/069455 :13/12/2010 :WO 2011/073117 :NA :NA :NA	(71)Name of Applicant:  1)F. HOFFMANN-LA ROCHE AG Address of Applicant: GRENZACHERSTRASSE 124, CH- 4070 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)BERTHEL, STEVEN JOSEPH 2)CHEN, LI 3)CORBETT, WENDY LEA 4)FENG, LICHUN 5)HAYNES, NANCY-ELLEN 6)KESTER, ROBERT FRANCIS 7)SO, SUNG-SAU 8)TILLEY, JEFFERSON WRIGHT
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### (57) Abstract:

Provided herein are compounds of the formula (I): as well as pharmaceutically acceptable salts thereof, wherein the substituents are as those disclosed in the specification. These compounds, and the pharmaceutical compositions containing them, are useful for the treatment of metabolic diseases and disorders such as, for example, type II diabetes mellitus.

No. of Pages: 285 No. of Claims: 36

(21) Application No.4317/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SPIRO INDOLE-CYCLOPROPANE INDOLINONES USEFUL AS AMPK MODULATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:C07D 209/34 :PCT/CN2009/075500 :11/12/2009 :China :PCT/EP2010/069111 :08/12/2010 :WO 2011/070039 :NA :NA	Address of Applicant :GRENZACHERSTRASSE 124, CH-4070 BASEL, SWITZERLAND Switzerland (72)Name of Inventor: 1)CHEN, LI 2)FENG, LICHUN 3)HE, YUN 4)HUANG, MENGWEI
(61) Patent of Addition to Application		3)HE, YUN

#### (57) Abstract:

A compound of formula (I) as well as pharmaceutically acceptable salt thereof, wherein R1 to R4 have the significance given in claim 1, can be used as a medicament.

No. of Pages: 191 No. of Claims: 16

(21) Application No.4466/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : COMPOSITIONS CONTAINING A $\bf 3$ - PHENYLURACIL HERBICIDE AND A SULFAMOYLPHENYLUREA SAFENER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A01N 43/54 :0920891.9 :27/11/2009 :U.K. :PCT/GB2010/002160 :23/11/2010 :WO 2011/064533 :NA :NA :NA	(71)Name of Applicant:  1)SYNGENTA LIMITED  Address of Applicant: EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH UNITED KINGDOM. U.K.  2)SYNGENTA PARTICIPATIONS AG (72)Name of Inventor:  1)MICHEL ALBRECHT MICHAEL  2)HALL JOHN GAVIN  3)ZELAYA IAN ALEXEI
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#### (57) Abstract:

The present invention provides a herbicidal composition comprising: (i) a compound of Formula (I) wherein R1, R2, R3, R4, R5, R6, and R7 are as defined herein; and (ii) a safener of Formula (II) or an agronomically acceptable salt of said compounds, wherein Ra, Rb and Rc are as defined herein.

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

(21) Application No.4466/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : TELEVISION RECEIVER TELEVISION BROADCAST RECEIVING METHOD 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:2013057820 :21/03/2013 :Japan	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)TSUKAHARA Kouki 2)NOZAWA Hideki
		2)NOZIXWIX IIIUCNI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided an apparatus comprising a plurality of antenna terminals a first switch configured to select an antenna terminal of the plurality of antenna terminals a second switch configured to receive an output of the antenna terminal from the first switch and divide the output of the antenna terminal into a first output and a second output a surface acoustic wave filter configured to receive the first output from the second switch and a tuner/decoder configured to receive an output of the surface acoustic wave filter and the second output.

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

(21) Application No.4467/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROTECTION RELAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:29/11/2010 :WO 2011/065536 :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA Address of Applicant:1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN Japan (72)Name of Inventor: 1)SHIRAKAWA HIROYUKI 2)YANAGIHASHI YUSUKE 3)MAEHARA HIROYUKI 4)TANAKA TOSHIO 5)SUGA NORIYOSHI 6)SHUTO ITSUO
Filing Date	:NA	<i>v</i> ,siie 10 11500

### (57) Abstract:

A protection relay includes an input circuit (12) that detects a state of an external device according to whether or not an external input voltage is larger than a preset threshold voltage, and an operation unit (13) that fetches a detection signal detected by the input circuit (12) and performs a protection relay operation. The input circuit (12) includes switching means (14) that is made conductive by a divided voltage obtained by voltage-dividing resistors that divide the external input voltage when the external input voltage is higher than or equal to the threshold voltage, and a photocoupler (16) that is operated by a constant current of a constant current output circuit supplying a constant current and outputs an operation signal to the operation unit (13) when the switching means (14) is made conductive.

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

(21) Application No.1370/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MULTIPLE ELEMENT SUPPORT BEAM

(61) Patent of Addition to Application Number :NA Siling Date :NA (62) Divisional to Application Number :NA	Filing Date	:NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)HALDOR TOPS A/S Address of Applicant: Nym¸llevej 55, DK-2800 Kgs. Lyngby, Denmark Denmark (72)Name of Inventor: 1)PEER THAARUP KJELDGAARD CLAUSEN 2)KUNAL DINESH SHAH 3)KLAUS RISBJERG JARLKOV
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### (57) Abstract:

The present application relates to a vessel support beam comprising two or more beam elements wherein each beam element comprises a first and second opposing long side connected by a top side, a lower side and two opposing end sides, said beam elements are arranged parallelly with at least one long side of one beam element facing a long side of another beam element, thereby forming a reactor support beam having a first and second opposing long side surface, a top surface and a lower surface.

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

(21) Application No.4460/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF HYDROCARBON FLUIDS HAVING A LOW AROMATIC CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:19/11/2010 :WO 2011/061612 :NA :NA	(71)Name of Applicant:  1)TOTAL RAFFINAGE MARKETING Address of Applicant: 24, COURS MICHELET, F-92800 PUTEAUX, FRANCE France (72)Name of Inventor: 1)DALEMAT, FRANCOIS 2)GILLES, ANNE-ELINE 3)MORVAN, GILDAS
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention provides a process for hydrogenating a low-sulphur feed into very low sulphur and very low aromatic hydrocarbon fluids having a boiling range in the range of from 100 to  $400^{\circ}$ C and a boiling range of not more than  $80^{\circ}$ C, comprising the step of catalytically hydrogenating said feed at a temperature from 80 to  $180^{\circ}$ C and at a pressure from 60 to 160 bars.

No. of Pages: 30 No. of Claims: 34

(21) Application No.4460/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: REFRIGERATING MACHINE OIL AND WORKING FLUID COMPOSITION FOR REFRIGERATING MACHINE

(51) International

:C10M141/08,C10M105/38,C10M107/24 classification

:PCT/JP2014/050152

:WO 2014/112417

(31) Priority Document

:2013006649

:Japan

:08/01/2014

(32) Priority Date :17/01/2013

(33) Name of priority

country

(86) International

Application No

Filing Date

(87) International **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)JX NIPPON OIL & ENERGY CORPORATION

Address of Applicant :6 3 Otemachi 2 chome Chiyoda ku

Tokyo 1008162 Japan (72) Name of Inventor:

1)SAITO Masanori 2)SHIMPO Hiroko

3)ADEGAWA Kuniko

## (57) Abstract:

The present invention provides a refrigerating machine oil containing a base oil a sulfide compound and a gallic acid ester the content of the sulfide compound being 0.01 2.0% by mass with respect to the total amount of the refrigerating machine oil the content of the gallic acid ester being 10 500 ppm by mass and the dynamic viscosity of the refrigerating machine oil at 40°C being 3 500 mm/s.

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

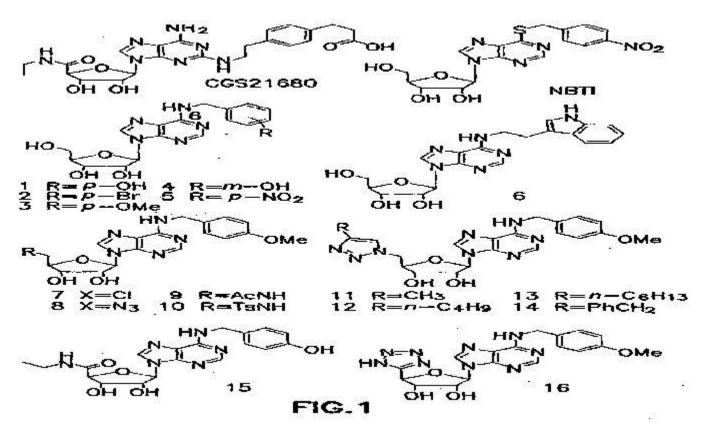
(22) Date of filing of Application :21/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : DUAL-ACTION COMPOUNDS TARGETING ADENOSINE A2A RECEPTOR AND ADENOSINE TRANSPORTER FOR PREVENTION AND TREATMENT OF NEURODEGENERATIVE DISEASES

### (57) Abstract:

The present invention provides therapeutic agents for preventing and treating neurodegenerative diseases. These agents synergistically target both the adenosine A2A receptor (A2AR) and the equilibrative nucleoside transporter 1 (ENT1). In one embodiment, the present invention also provides compositions comprising therapeutic agents for preventing and treating neurodegenerative diseases.



No. of Pages: 84 No. of Claims: 18

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: APPARATUS AND METHOD FOR SEPARATING SHEETS OF BRITTLE MATERIAL

(51) International :C03B33/02,C03B33/023,C03B33/033

classification .CU3B33/023,CU3B33/023,CU3B33/03

(31) Priority Document No :13/678042 (32) Priority Date :15/11/2012 (33) Name of priority :U.S.A.

country

(86) International PCT/US2013/069579
Application No

Filing Date :12/11/2013

(87) International Publication No :WO 2014/078273

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor:1)HILL Keith Mitchell2)LAKHKAR Ritesh Satish3)MASSARO Mark Thomas

4)WANG Liming 5)ZHOU Naiyue

### (57) Abstract:

Methods and apparatuses for separating sheets of brittle material are disclosed. According to one embodiment a separation apparatus for separating a sheet of brittle material includes a first separation cam positioned adjacent to a sheet conveyance pathway and a second separation cam positioned opposite from and downstream of the first separation cam. The first and second separation cams may be rotated such that the contact faces of the separation cams periodically extend across a centerline of the conveyance pathway. Rotation of the first and second separation cams may be synchronized such that at least the portion of the contact face of the first separation cam and at least the portion of the contact face of the second separation cam periodically extend across the centerline of the conveyance pathway at a separation time and periodically do not extend across the centerline of the conveyance pathway at a non separation time.

No. of Pages: 42 No. of Claims: 19

(21) Application No.4462/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: KIT CONTAINING PHOTOSENSITIZING DYES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:20/12/2010 :WO 2011/084746 :NA :NA	(71)Name of Applicant:  1)COLGATE-PALMOLIVE COMPANY Address of Applicant: 300 PARK AVENUE, NEW YORK, NEW YORK 10022, USA U.S.A. (72)Name of Inventor: 1)PATEL MADHUSUDAN 2)PAREDES ROSA 3)HASSAN MAHMOUD 4)BOYD THOMAS
Filing Date	:NA	

# (57) Abstract:

Generally regarded as safe (GRAS) dyes can be used as photosensitizing dyes in oral compositions to provide anti-bacterial and anti-inflammatory efficacy. Embodiments include oral care compositions including photosensitizing dyes, methods of making the compositions, methods of using the compositions, and kits containing the compositions and light emitting devices.

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

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: PAPER SHEET TYPE MEDIUM STACKING 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>	:G07D13/00 :201210448733.2 :09/11/2012 :China :PCT/CN2013/078105 :27/06/2013 :WO 2014/071740 :NA :NA	(71)Name of Applicant:  1)GRG BANKING EQUIPMENT CO. LTD.  Address of Applicant: 9 Kelin Road Science City Luogang District Guangzhou Guangdong 510663 China (72)Name of Inventor:  1)HUANG Shaohai 2)WU Hongjun
(61) Patent of Addition to Application	:NA	2)We Hongjun
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A sheet type medium treatment technology and in particular a device through which paper sheet type media are stacked piece by piece and the whole stacked media do not wriggle and draw back. The device comprises a single piece paper sheet type medium conveying mechanism (105) an upper portion conveying belt (153) an arc shaped stacking plate (18 19 25) a movable stopping mechanism (20) a sensor device (17) and a control part. An acanthoid protruding rib is arranged at the position on the arc shaped surface of the arc shaped stacking plate (18 19 25) between which and the movable stopping mechanism (20) the distance is the length of one piece of paper sheet type medium. The acanthoid protruding rib enables the paper sheet type media to pass only in a discharging direction. Due to the fact that the acanthoid protruding rib is arranged on the working surface of the arc shaped stacking plate (18 19 25) the acanthoid protruding rib has the single direction performance of paper sheet type medium conveying the acanthoid protruding rib is provided with a guide out surface and a blocking surface the paper sheet type media can be conveyed along one direction moving is irreversible the problem that the paper sheet type media wriggle and draw back because of the rebound effect of the conveying belt is effectively solved and the expected effect of sheet type medium stacking is achieved.

No. of Pages: 24 No. of Claims: 5

(21) Application No.4486/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MUTAGENESIS METHOD

(51) International classification	:C12N 15/10	(71)Name of Applicant:
(31) Priority Document No	:20096371	1)TURUN YLIOPISTO
(32) Priority Date	:21/12/2009	Address of Applicant :YILOPISTONMAKI FI-20014
(33) Name of priority country	:Finland	TURUN YLIOPISTO, FINLAND Finland
(86) International Application No	:PCT/FI2010/051068	(72)Name of Inventor:
Filing Date	:21/12/2010	1)HUOVINEN, TUOMAS
(87) International Publication No	:WO 2011/077004	2)LAMMINMAKI, URPO
(61) Patent of Addition to Application	:NA	3)BROCKMANN, EEVA - CHRISTINE
Number	:NA :NA	4)VEHNIAINEN, MARKUS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a mutagenesis method wherein a nucleic acid molecule is mutagenized with at least one mutagenesis primer in a primer extension reaction and subsequently amplified by rolling circle amplification (RCA). The method involves steps leading to selective amplification of only the mutated strand by a strand- displacing DNA polymerase. Multiple copies of the mutated plasmids are generated during multiple-primed RCA and the resulting DNA is transformed for use. The method is suitable for mutating both single-stranded and double- stranded DNA. The present invention also provides a kit for use in the mutagenesis method.

No. of Pages: 44 No. of Claims: 24

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: OLEFIN ISOMERIZATION AND METATHESIS CATALYST

(51) International classification	:C07C6/04	(71)Name of Applicant:
(31) Priority Document No	:61/094, 296	1)LUMMUS TECHNOLOGY INC.
(32) Priority Date	:04/09/2008	Address of Applicant :1515 Broad Street, Bloomfield, NJ
(33) Name of priority country	:U.S.A.	07003-3096, USA U.S.A.
(86) International Application No	:PCT/US2009/056076	2)BASF CORPORATION
Filing Date	:04/09/2009	(72)Name of Inventor:
(87) International Publication No	: NA	1)BALA RAMACHANDRAN
(61) Patent of Addition to Application	:NA	2)SUKWON CHOI
Number	:NA	3)ROBERT J. GARTSIDE
Filing Date	.11/1	4)SHANE KLEINDIENST
(62) Divisional to Application Number	:1565/DELNP/2011	5)WOLFGANG RUETTINGER
Filed on	:03/03/2011	6)SAEED ALERASOOL

#### (57) Abstract:

A bifunctional isomerization metathesics atalyst for the concurrent isotnerizatiori and metatheses of a mixed butene feed, comprising: a catalyst conpound comprising at least one element selected from tungsten, tantalum, niobium, molybdenum, nickel, palladium, osmium, iridium, rhodium, vanadium, ruthenium, and rheniutn for providing nictathesis activity on a support comprising a magnesia-alumina hydrotalcite; wherein an exposed surface area of the support provides both isomerization activity for the isomerization of 1-butene to 2-butene; and reactive sites for the adsolption of catalyst compound poisons.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPRESSED PHARMACEUTICAL COMPOSITIONS COMPRISING PEG AND ELECTROLYTES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:25/04/2005 :WO 2005/102364 :NA :NA	(71)Name of Applicant:  1)NORGINE EUROPE BV  Address of Applicant: HOGEHILWEG 7, NL- 1101 CA  AMSTERDAM ZO, NETHERLANDS Netherlands (72)Name of Inventor:  1)BARRAS, NORMAN  2)COX, IAN
(62) Divisional to Application Number Filed on	:5707/DELNP/2006 :29/09/2006	

### (57) Abstract:

The invention relates to a compresses pharmaceutical composition comprising polyethylene glycol of molecular weight of molecular weight from 2000 to 4500, wherein the polyethylene glycol makes up from 80 to 99.5% by weight of the composition, one or more electrolytes for use in the treatment of constipation, faecal impaction, faecal retention, intestinal gas and cramping, or flatulence; or for use in orthostatic lavage, colon evacuation or colon cleansing and is significantly more palatable having more agreeable taste and a more agreeable mouthfeel than previously proposed compositions

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

(21) Application No.4335/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :20/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: ROCK ANCHORING SYSTEM AND METHOD

(51) International :E21D20/02,E21D21/00,E21D21/02

classification

(31) Priority Document No :ZA 2012/08099 (32) Priority Date :26/10/2012 (33) Name of priority country: South Africa

(86) International Application :PCT/IB2013/059665

:25/10/2013 Filing Date

(87) International Publication :WO 2014/064653

(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)SMIT Jurie Pretorius

Address of Applicant: Hartbeeskopjes Maroelasfontein 0387 THABAZIMBI DISTRICT Limpopo Province South Africa

(72) Name of Inventor: 1)SMIT Jurie Pretorius

### (57) Abstract:

This invention discloses an underground rock anchoring system comprising a rock bolt having a bolt shaft operatively locatable in an elongate rectilinear hole drilled into a hanging wall such that an end portion of the bolt shaft protrudes from the hole the bolt shaft having a side wall defining a hollow internal chamber extending along at least part of the length of the bolt shaft a bearing plate adapted to be fitted over the protruding end portion of the bolt shaft for bearing against a rock surface of the hanging wall; and fastening means for pulling the bearing plate taut against the rock surface of the hanging wall. The invention also extends to a rock anchoring method in which such system is used.

No. of Pages: 21 No. of Claims: 17

(21) Application No.4480/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

(54) Title of the invention : ELECTRONIC DEVICE, IMAGING DEVICE, IMAGE REPRODUCTION METHOD, IMAGE REPRODUCTION PROGRAM, RECORDING MEDIUM WITH IMAGE REPRODUCTION PROGRAM RECORDED THEREUPON, AND IMAGE REPRODUCTION DEVICE

(51) International classification	:H04N 5/232	(71)Name of Applicant:
(31) Priority Document No	:2010-035010	1)NIKON CORPORATION
(32) Priority Date	:19/02/2010	Address of Applicant :12-1, YURAKUCHO 1-CHOME,
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 1008331 (JP) Japan
(86) International Application No	:PCT/JP2011/052282	(72)Name of Inventor:
Filing Date	:03/02/2011	1)FUJINAWA, NOBUHIRO
(87) International Publication No	:WO 2011/102232	2)MITSUHASHI, SETSU
(61) Patent of Addition to Application	:NA	3)KURIYAMA, TAKASHI
Number		4)SEKIGUCHI, MASSAKAZU
Filing Date	:NA	5)NAGAMINE, HIROTO
(62) Divisional to Application Number	:NA	6)TAKEMOTO, MASAMI
Filing Date	:NA	7)TOYAMA, MOTOKI

# (57) Abstract:

An electronic device includes: a communication unit that performs communication with an external device; and a control unit that issues a command to the external device via the communication unit, on the basis of at least one of capacity of the external device, and capacity of the electronic device.

No. of Pages: 118 No. of Claims: 42

(21) Application No.4481/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR THE REMOVING AND REDUCING SCALING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B01D 65/06 :12/650,714	(71)Name of Applicant: 1)NALCO COMPANY
(32) Priority Date	:31/12/2009	Address of Applicant :1601 W. DIEHL ROAD,
(33) Name of priority country	:U.S.A.	NAPERVILLE, ILLINOIS 60563-1198, UNITED STATES OF
(86) International Application No	:PCT/US2010/062474	AMERICA U.S.A.
Filing Date	:30/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/082286	1)MORRIS III, WILLIAM H.
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
	.IVA	

### (57) Abstract:

The invention relates to improved elimination of scale in processing systems. The method removes existing scale while also eliminating buildup. The invention relates to phosphate and sulfate scale. The invention further allows for improved anti-scaling without the need to make any pH adjustments. The method provides all factor listed while in no way compromises the integrity of membranes that may be used in the system.

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

(21) Application No.4481/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: PRODUCE BOX

(51) International classification :B65D5/42,B65D81/18,B65D5/20 (71) Name of Applicant :

(31) Priority Document No :2012905241 (32) Priority Date :03/12/2012 (33) Name of priority country :Australia

(86) International Application :PCT/AU2013/001377

Filing Date :27/11/2013

(87) International Publication :WO 2014/085845

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

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

(71)Name of Applicant: 1)VISY R & D PTY. LTD.

Address of Applicant :C/ 1 Nicholson Street Melbourne

Victoria 3000 Australia (72)Name of Inventor:

1)BANKOWSKI Piotr

### (57) Abstract:

A produce box for storing produce including a base including a series of side wall sections coupled together to form a parallelogram; a bottom end section coupled to the wall sections; pairs of face vents located in spaced apart lateral sections of respective ones of said side wall sections; and pairs of major score vents located centrally on respective top and bottom scores of each side wall section of a first opposed pair of said side wall sections. The produce box also includes a lid including a series of side wall sections coupled together to form a parallelogram; a top end section coupled to the wall sections; pairs of face vents located in spaced apart lateral sections of respective ones of said side wall sections; and pairs of major score vents located centrally on respective top and bottom scores of each side wall section of a first opposed pair of said side wall sections. The pairs of face vents of the base at least partially overlap with corresponding pairs of face vents of the lid so that air can flow therethrough. Further pairs of major score vents of the base at least partially overlap with major score vents of the lid so that air can flow therethrough.

No. of Pages: 39 No. of Claims: 49

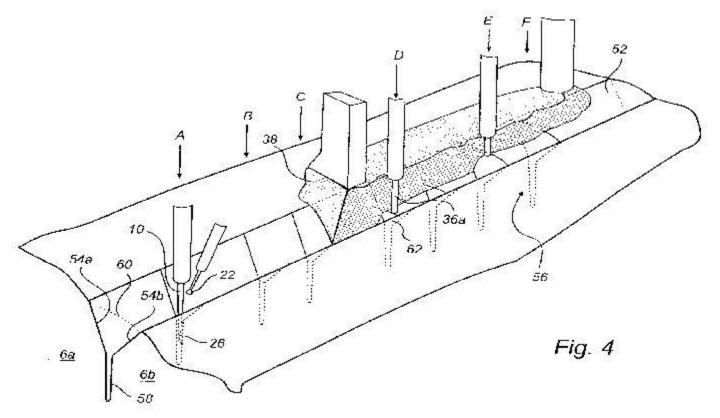
(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A WELDING PROCESS AND A WELDING 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> </ul>	:B23K 9/18 :NA :NA :NA :PCT/EP2009/067289 :16/12/2009 :WO 2011/072734 :NA	(71)Name of Applicant: 1)ESAB AB Address of Applicant: P.O. BOX 8004, S-402 77 GOTEBORG, SWEDEN Sweden (72)Name of Inventor: 1)TOLLING, JOHAN 2)LAHTI, KARI ERIK
` /		2)LAHTI, KARI ERIK

### (57) Abstract:

A welding arrangement and a welding process for forming a weld seam (52) between two edge portions (54a,54b), wherein the edge portions (54a,54b) form a Y joint having a root portion (58) and a bevel portion (60), said root portion (58) being welded by a hybrid laser electric arc welding process including directing a laser beam (10) and an electric arc (22) in a single interaction zone (24) of plasma and molten metal. A hybrid laser electric arc welding head (2) and welding submerged arc welding head (4) are arranged on a common carrier structure (46, 50) for welding the Y joint.



No. of Pages: 25 No. of Claims: 16

(22) Date of filing of Application: 17/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention : VEHICLE PARKING ASSIST SYSTEM, VEHICLE INCLUDING THE SAME, AND VEHICLE PARKING ASSIST METHOD

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date :N	2010-053208 10/03/2010 apan	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571, JAPAN Japan (72)Name of Inventor: 1)NAKUMURA TORU 2)ICHIKAWA SHINJI
* *	NA NA	

#### (57) Abstract:

A vehicle parking assist system includes: a camera (120); a first vehicle guiding section that recognizes the position of a power transmitter (220) external to a vehicle based on the image obtained via the camera (120) to guide the vehicle (100) to the power transmitter (220); a power receiver (110) that receives electric power from the power transmitter (220) in a non-contact manner; and a second vehicle guiding section that guides the vehicle (100) based on the electric power received by the power receiver (110). The control section executes a process of stopping the vehicle (100) when the electric power received by the power receiver (110) from the power transmitter (220) does not satisfy a first condition, even after the control section has caused the vehicle driving section to move the vehicle beyond a predetermined distance after the first vehicle guiding section becomes unable to detect the position of the power transmitter (220) based on the image.

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

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ASSISTED MEDICAL AND ASSOCIATED LIFESTYLE DECISION MAKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06Q50/22 :61/717619 :23/10/2012 :U.S.A. :PCT/US2013/065981 :21/10/2013 :WO 2014/066270 :NA :NA :NA	(71)Name of Applicant: 1)THERANOS INC. Address of Applicant:1601 S. California Avenue Palo Alto CA 94304 U.S.A. (72)Name of Inventor: 1)HOLMES Elizabeth
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### (57) Abstract:

Methods systems devices and computer readable media for generating a location based physiological history of a subject are provided. Methods may include generating with the aid of a processor a location based physiological history of the subject by correlating geolocation data of the subject with physiological data and exogenous data. The geolocation data may be obtained with the aid of a geolocation system on or associated with the subject. The exogenous data may be of or related to environmental conditions at a geographic location of the subject.

No. of Pages: 49 No. of Claims: 52

(21) Application No.4339/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention: AUTOINJECTOR

(51) International classification	:A61M 5/20	(71)Name of Applicant:
(31) Priority Document No	:0918443.3	1)OWEN MUMFORD LIMITED
(32) Priority Date	:21/10/2009	Address of Applicant :BROOK HILL, WOODSTOCK,
(33) Name of priority country	:U.K.	OXFORD, OXFORDSHIRE OX20 1TU, GREAT BRITAIN U.K.
(86) International Application No	:PCT/GB2010/051774	(72)Name of Inventor:
Filing Date	:21/10/2010	1)COWE TOBY
(87) International Publication No	:WO 2011/048422	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An autoinjector comprises a housing (10) to receive a syringe (14), and a drive mechanism comprising first and second springs (30, 32) operating in tandem via an intermediate member (34), on a plunger (42). The plunger is retained in a locked position by a trigger. Release of the trigger causes the first spring to advance the syringe to an arrest point whereafter the second spring extends within the syringe to expel a dose.

No. of Pages: 36 No. of Claims: 19

(22) Date of filing of Application :20/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: CLONED NON HUMAN ANIMALS FREE OF SELECTIVE MARKERS

### (57) Abstract:

Genetically modified somatic cells of a non human animal are provided that are engineered to contain a self excisable recombinase expression cassette comprising a site specific recombinase gene operably linked to an ES cell specific promoter. Compositions and methods for producing a genetically modified cloned non human animal that is free of a selective marker gene and a recombinase gene are provided wherein a targeting construct comprising a self excisable recombinase gene operably linked to an ES cell specific promoter is introduced into differentiated somatic cells. The genetically modified genome of the somatic cells is transferred into an enucleated host oocyte. The artificially created zygote is then cultured until the blastocyst embryonic stage and subsequently implanted into a uterus of a surrogate mother to form a genetically modified cloned non human animal free of selective marker and recombinase genes.

No. of Pages: 50 No. of Claims: 44

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : HYDRAULIC ACCUMULATOR, AND METHOD FOR DETERMINING A STATE OF CHARGE OF A HYDRAULIC ACCUMULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F15B 1/16 :102010001310.2 :28/01/2010 :Germany :PCT/EP2011/050007 :03/01/2011 :WO 2011/092041 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)ENGELBERG, RALPH
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#### (57) Abstract:

A hydraulic accumulator (1) having a pressure vessel (2), a tube (7) for accepting a first medium (18), where the tube (7) is disposed inside the pressure vessel (2), an interstice (32) for accepting a second medium (30), where the interstice (32) is formed between the pressure vessel (2) and the tube (7), and at least one connection (17, 31) for delivering and discharging the first or second pressurized medium (18; 30) into and from the tube (7) or interstice (32), the delivery of one medium (18) compressing the other medium (30).

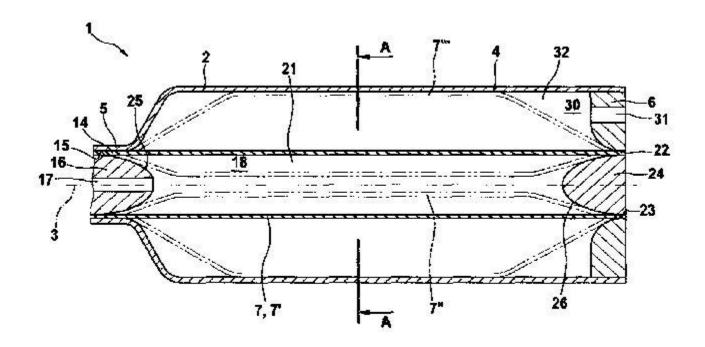


Fig. 1

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

(21) Application No.4487/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: TAMPER EVIDENT CLOSURE SYSTEM FOR BOTTLES

:B65D41/62,B65D49/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BERICAP KAPAK SANAYI ANONIM SIRKETI :13156202.7 (32) Priority Date Address of Applicant :Beylikbagi Mah. Celikoglu Cad. :21/02/2013 (33) Name of priority country NO:155 Gebze Kocaeli Turkey :EPO (86) International Application No (72) Name of Inventor: :PCT/EP2014/053343 Filing Date :20/02/2014 1)KUTLUG G¹/₄rer (87) International Publication No :WO 2014/128222 2)OLTULU Burak (61) Patent of Addition to Application 3)AKIN -zg1/4r :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A tamper evident closure system for bottles comprises an indicator ring (14) which is fixedly attached to a pourer (15) and which becomes visible upon first opening of the cap member (40) from a gap (16) formed in between an upper and a lower sleeve (30 31). The indicator ring (14) is not part of the cap member and the necessity for forming breakable bridges in between the cap and the ring is eliminated. The time required for forming breakable bridges is no longer spent and formation of plastic particulates among the bridges is avoided. A method for formation of an indicator ring (14) is also disclosed.

No. of Pages: 26 No. of Claims: 12

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : AN AMORPHOUS AND A CRYSTALLINE FORM OF GENZ 112638 HEMITARTRATE AS INHIBITOR OF GLUCOSYLCERAMIDE SYNTHASE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07D 405/06 :61/264,748 :27/11/2009	(71)Name of Applicant:  1)GENZYME CORPORATION Address of Applicant:500 KENDALL STREET, CAMBRIDGE, MA 02142, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:
(33) Name of priority country (86) International Application No	:U.S.A. :PCT/US2010/057952	, , ,
Filing Date (87) International Publication No	:24/11/2010 :WO 2011/066352	3)BHARDWAJ, RENU 4)COPELAND, DIANE, P.
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	5)HARIANAWALA, ABIZER 6)SKELL, JEFFREY 7)MARSHALL, JOHN
(62) Divisional to Application Number Filing Date	:NA :NA	8)KOCHLING, JIANMEI 9)PALACE, GERARD
		10)PETERSCHMITT, JUDITH 11)SIEGEL, CRAIG 12)CHENG, SENG

### (57) Abstract:

The hemitartrate salt of a compound represented by the following structural formula: (Formula I Hemitartrate), which may be used in pharmaceutical applications, are disclosed. Particular single crystalline forms of the Formula (I) Hemitartrate are characterized by a variety of properties and physical measurements. As well, methods of producing crystalline Formula (I) Hemitartrate, and using it to inhibit glucosylceramide synthase or lowering glycosphingolipid concentrations in subjects to treat a number of diseases, are also discussed. Pharmaceutical compositions are also described.

No. of Pages: 88 No. of Claims: 93

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: SYSTEMS DEVICES AND METHODS EMPLOYING ANGULAR RESOLVED SCATTERING AND SPECTRALLY RESOLVED MEASUREMENTS FOR CLASSIFICATION OF OBJECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:G02B21/10 :13/662724 :29/10/2012 :U.S.A. :PCT/US2013/067025 :28/10/2013 :WO 2014/070642	(71)Name of Applicant: 1)TOKITAE LLC Address of Applicant:11235 SE 6th Street Suite 200 Bellevue WA 98004 U.S.A. (72)Name of Inventor: 1)WILSON Benjamin K. 2)HEGG Michael C.
<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:

Systems devices and methods are described for identifying classifying differentiating etc. objects. For example a hyperspectral imaging system can include a dark field module operably coupled to at least one of an optical assembly a dark field illuminator and a hyperspectral imaging module. The dark field module can include circuitry having one or more sensors operable to acquire one or more dark field micrographs associated with scattered electromagnetic energy from an object interrogated by the dark field interrogation stimulus. The hyperspectral imaging module can be operably coupled to the dark field module and can include circuitry configured to generate an angular resolved and spectrally resolved scattering matrix based on the one or more dark field micrographs of the object.

No. of Pages: 87 No. of Claims: 36

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: FAULT MONITORING IN CONNECTION-ORIENTED NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/01/2010 :WO 2011/066997 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE - 164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)FIORONE, RAOUL 2)MARTINOTTI, RICCARDO 3)CORTI, ANDREA
Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method of fault monitoring in a fault monitoring entity of a network node of a network having at least a first connection-oriented network layer, having first protection measures associated therewith, and a second connection-oriented network layer, having second protection measures associated therewith. In a first step the service condition status of the first network layer is monitored using the first protection measures. In a second step the second network layer protection measures are determined for onward transmission within the second network layer depending on the service condition status of the first network layer. Since the network node is aware of the monitored status condition of both the first and second layers the protection mechanisms for the first network layer and the second network layer can be co-ordinated and the second network layer protection measure for onward transmission may be determined for optimum network fault protection operation.

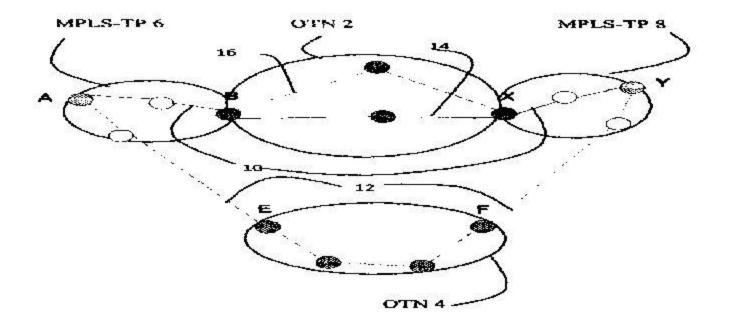


Figure 1

No. of Pages: 43 No. of Claims: 23

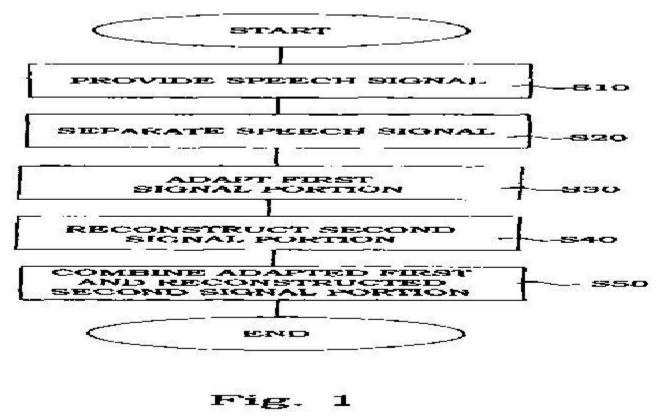
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHODS AND ARRANGEMENTS FOR LOUDNESS AND SHARPNESS COMPENSATION IN AUDIO CODECS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G10L 21/02 :61/262,714 :19/11/2009 :U.S.A. :PCT/SE2010/050746 :29/06/2010 :WO 2011/062535 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)GRANCHAROV, VOLODYA 2)SVERRISSON, SIGURDUR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a method of improving perceived loudness and sharpness of a reconstructed speech signal delimited by a predetermined bandwidth, performing the steps of providing (S10) the speech signal, and separating (S20) the provided signal into at least a first and a second signal portion. Subsequently, adapting (S30) the first signal portion to emphasize at least a predetermined frequency or frequency interval within the first bandwidth portion. Finally, reconstructing (S40) the second signal portion based on at least the first signal portion, and combining (S50) the adapted first signal portion and the reconstructed second signal portion to provide a reconstructed speech signal with an overall improved perceived loudness and sharpness.



No. of Pages: 41 No. of Claims: 30

country

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: NOVEL IMMUNOTHERAPEUTIC MOLECULES AND USES THEREOF

(51) International classification :A61K39/35,A61K131/00,A61P37/08

(31) Priority Document No :2012904780 (32) Priority Date :30/10/2012

(32) Priority Date :30/10/2012 (33) Name of priority :Australia

(86) International :PCT/AU2013/001255

Application No Filing Date :30/10/2013

(87) International

Publication No :WO 2014/066939

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

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

(71)Name of Applicant:
1)MONASH UNIVERSITY

Address of Applicant: Wellington Road Clayton Victoria 3800

Australia

2)HEALTH Alfred (72)Name of Inventor: 1)OHEHIR Robyn 2)ROLLAND Jennifer 3)PRICKETT Sara

### (57) Abstract:

The present invention relates generally to molecules such as peptides polypeptides and proteins which interact immunologically with T lymphocytes in subjects having peanut allergy or allergy to other tree nuts and genetic sequences encoding same. These molecules are preferably immuno interactive with T cells in subjects having an allergy to the Ara h 1 allergen. The molecules of the present invention are useful in the development of diagnostic therapeutic and prophylactic agents for conditions characterised by an aberrant inappropriate or otherwise unwanted immune response to Ara h 1 or derivative or homologue thereof.

No. of Pages: 93 No. of Claims: 44

(21) Application No.4353/DELNP/2012 A

(19) INDIA

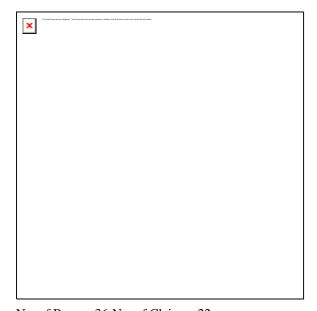
(22) Date of filing of Application :17/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POLICIES FOR CONTENT DOWNLOADING AND CONTENT UPLOADING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H04L 29/06 :61/267,989 :09/12/2009 :U.S.A. :PCT/SE2010/051317 :30/11/2010 :WO 2011//071439 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)LINDQUIST, JAN ERIK 2)CEDERVALL, MATS
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Methods and arrangements for setting up a policy for downloading of IPTV media content from a Content Server (5) to a User Equipment (1), and/or for uploading media content from a User Equipment to a Content Server. The policy is typically a bandwidth reservation, and the type of content download/upload will be included in an initial request from the User Equipment, e.g. in an SDP Offer, sent to an IPTV controlling node (4).



No. of Pages: 36 No. of Claims: 22

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : RETAIL FUELING ENVIRONMENT UTILIZING POWERED COMMUNICATION OVER LEGACY CABLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G07F11/00 :61/717874 :24/10/2012 :U.S.A. :PCT/US2013/066099 :22/10/2013 :WO 2014/066336 :NA :NA	(71)Name of Applicant:  1)GILBARCO INC.  Address of Applicant:7300 W. Friendly Avenue Greensboro North Carolina 27410 U.S.A.  (72)Name of Inventor:  1)MCNINCH Wayne
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various systems and methods are provided for facilitating powered communications over legacy cabling. This can be implemented in a fuel dispensing environment where the fuel dispenser can include a diode coupler communicatively coupled to the legacy cabling for receiving powered communications from one or more backroom components over the legacy cabling during a power outage and a broadband communications modem for communicating with the one or more backroom components wherein the diode coupler provides power from the powered communications to the broadband communications modem. Relays can be used at the fuel dispenser and/or backroom components to determine whether to use the powered communications or legacy communications based on whether power is available at the components communicating over the legacy cabling. In addition failsafe protection of legacy communication circuits is provided when powered communications are active.

No. of Pages: 29 No. of Claims: 22

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR PRODUCING A TURBINE ROTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:F02B39/00,F01D5/00 :102012021581.9 :02/11/2012 :Germany :PCT/US2013/066014 :22/10/2013 :WO 2014/070509 :NA :NA :NA	Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A.
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### (57) Abstract:

The invention relates to a process for producing a turbine rotor (1) which has as joining partners a turbine wheel (2) made of TiAl and ashaft (3) produced from steel characterized by the following process steps: providing the turbine wheel (2); providing a solder; providing the shaft (3); and connecting the turbine wheel (2) and the shaft (3) by electron beam soldering by means of an electron beam (5).

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

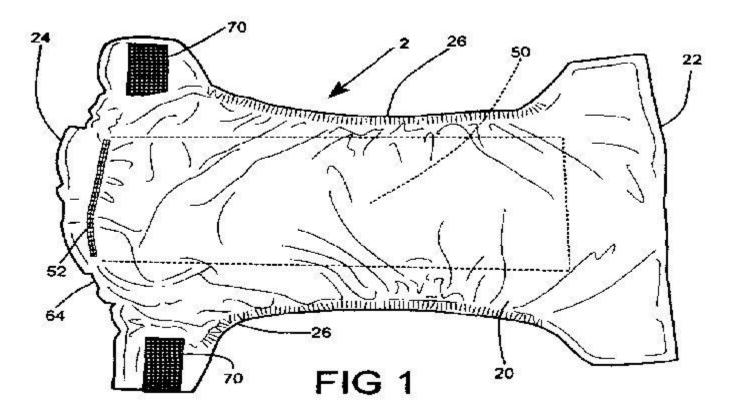
(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

# (54) Title of the invention: UNDERGARMENT WITH HIDDEN CORE POCKET WITH ISOLATING FLUID LAYER

(51) International classification	:A61F 13/49	(71)Name of Applicant :
(31) Priority Document No	:61/279,294	1)COATES, FREDRICA, V.
(32) Priority Date	:19/10/2009	Address of Applicant :400 STANTON COURT, WINSTON-
(33) Name of priority country	:U.S.A.	SALEM NORTH CAROLINA 27106 UNITED STATES OF
(86) International Application No	:PCT/US2010/052811	AMERICA U.S.A.
Filing Date	:15/10/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2011/049827	1)COATES, FREDRICA, V.
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	
Filing Date	:NA	

### (57) Abstract:

An undergarment, such as a diaper, includes a hidden central core pocket for receipt of an absorbent pad. The pocket is formed between an inner, fluid permeable layer and a fluid isolation layer. The fluid isolation layer is attached to the inner or anchor layer and is located between the inner layer and an outer layer to which the inner layer is attached. The pocket is narrower than the outer to isolate fluids from edges of the outer layer and from diaper leg openings. Both the fluid isolation layer and the outer layer may be fluid resistant to provide additional protection against leakage. Adjustment fasteners on the outside of the outer shell permit size adjustment for the diaper and the adjustment fasteners are positioned within the periphery of the pocket so that presence of the absorbent pad will enhance comfort.



No. of Pages: 21 No. of Claims: 20

(21) Application No.4363/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : UP DRAWING CONTINUOUS CASTING APPARATUS AND UP DRAWING CONTINUOUS CASTING METHOD

(51) International :B22D11/00,B22D11/05,B22D11/08

classification .B22D11/00,B22D11/00

(31) Priority Document No :2013016130 (32) Priority Date :30/01/2013

(33) Name of priority country:Japan (86) International

Application No :PCT/IB2014/000043

Filing Date :16/01/2014

(87) International Publication: WO 2014/118611

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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

(72) Name of Inventor:

1)NAKAJIMA Tetsuya 2)FURUKAWA Yuichi 3)KATO Tsukasa

4)MORITA Keiichi 5)KOSAKA Naoya

### (57) Abstract:

An up drawing continuous casting apparatus includes a holding furnace (101) that holds molten metal (M1) and a shape defining member (102) that is set near a molten metal surface of a molten metal (M1) held in the holding furnace (101) and defines a sectional shape of a casting (M3) to be cast as the molten metal (M1) passes through the shape defining member (102). The shape defining member (102) is able to be switched between a joined state and a partitioned state. With such a structure it becomes possible to form a casting having a branched structure.

No. of Pages: 25 No. of Claims: 12

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DUAL VARIABLE DOMAIN IMMUNOGLOBULINS AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12P 21/08 :12/605,094 :23/10/2009 :U.S.A. :PCT/US2010/053730 :22/10/2010 :WO 2011/050262 :NA :NA :NA	(71)Name of Applicant: 1)ABBVIE INC., Address of Applicant: 1 NORTH WAUKEGAN ROAD, NORTH CHICAGO, IL 60064, USA U.S.A. (72)Name of Inventor: 1)GHAYUR TARIQ 2)MORGAN-LAPPE SUSAN E. 3)REILLY EDWARD B. 4)KINGSBURY GILLIAN A. 5)PHILLIPS ANDREW 6)WANG JIEYI 7)BELL RANDY L. 8)NORVELL SUZANNE M. 9)LI YINGCHUN 10)LIU JUNJIAN 11)YING HUA 12)LIU ZHIHONG
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# (57) Abstract:

The present invention relates to engineered multivalent and multispecific binding proteins, methods of making, and specifically to their uses in the prevention, diagnosis, and/or treatment of disease.

No. of Pages: 688 No. of Claims: 90

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: GENE CLUSTER FOR BIOSYNTHESIS OF CORNEXISTIN AND HYDROXYCORNEXISTIN

(51) International :C12N15/11,C12N15/63,C12N15/67

classification

(31) Priority Document No :61/728256 (32) Priority Date :20/11/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/IB2013/060093

Application No :13/11/2013 Filing Date

(87) International Publication :WO 2014/080316

(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)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

(72) Name of Inventor: 1)ZELDER Oskar 2)HOFF Birgit

3)SCHRDER Hartwig 4)MOLT Andrea

5)HARTMANN Holger 6)DITRICH Klaus 7)BREUER Michael

8) REINGRUBER R1/4 diger

9)WEBER Jakob

### (57) Abstract:

The invention pertains to the field of production of natural products and in particular in the field of production of cornexistin and hydroxycornexistin. It provides polynucleotides encoding polypeptides involved in the biosynthesis of cornexistin and hydroxycornexistin as well as vectors and recombinant microorganisms comprising such polynucleotides. Also provided are methods for the production of natural products in particular methods for the production of cornexistin and hydroxycornexistin using such polynucleotides and polpeptides encoded therein as well as vectors and recombinant microorganisms comprising such polynucleotides and polypeptides.

No. of Pages: 180 No. of Claims: 43

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

(43) Publication Date: 27/11/2015

1)ABBOTT LABORATORIES

21)WENDT MICHAEL D. 22)HANSEN TODD M.

(71)Name of Applicant:

# (54) Title of the invention : APOPTOSIS-INDUCING AGENTS FOR THE TREATMENT OF CANCER AND IMMUNE AND AUTOIMMUNE DISEASES

Address of Applicant: 100 ABBOTT PARK ROAD, ABBOTT PARK, ILLINOIS 60064 U.S.A. U.S.A. (72) Name of Inventor: 1)BRUNCKO MILAN 2)DAI YUJIA 3)DING HONG (51) International classification :C07D 209/08 4)DOHERTY GEORGE A. (31) Priority Document No :12/631,367 5)ELMORE STEVEN W. (32) Priority Date :04/12/2009 6)HASVOLD LISA (33) Name of priority country :U.S.A. 7)HEXAMER LAURA (86) International Application No :PCT/US2010/036844 8)KUNZER AARON Filing Date :01/06/2010 9)MANTEI ROBERT A. (87) International Publication No :WO 2011/068560 10)MCCLELLAN WILLIAM J. (61) Patent of Addition to Application 11)PARK CHANG H. :NA Number :NA 12)PARK CHEOL-MIN Filing Date 13)PETROS ANDREW M. (62) Divisional to Application Number :NA 14)SONG XIAOHONG Filing Date :NA 15) SOUERS ANDREW J. 16) SULLIVAN GERARD M. 17)TAO ZHI-FU 18) WANG GARY T. 19)WANG LE 20)WANG XILU

# (57) Abstract:

Disclosed are compounds which inhibit the activity of anti-apoptotic Bcl-2 proteins, compositions containing the compounds and methods of treating diseases during which is expressed anti-apoptotic Bcl-2 protein.

No. of Pages: 704 No. of Claims: 24

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHODS FOR CONTROLLING BLOOD PRESSURE AND REDUCING DYSPNEA IN HEART FAILURE

(31) Priority Document No :61/719127 (32) Priority Date :26/10/2012 (33) Name of priority country :U.S.A.	(71)Name of Applicant:  1)THE MEDICINES COMPANY Address of Applicant: 8 Sylvan Way Parsippany NJ 07054 U.S.A. (72)Name of Inventor: 1)SPINDLER Edward C. Jr. 2)ITRI Loretta M. 3)WILLIAMS Gregory Charles 4)HU Ming yi
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### (57) Abstract:

Methods for controlling maintaining or reducing blood pressure and/or for treating preventing or alleviating symptoms such as dyspnea in a patient suffering from or susceptible to acute heart failure. The methods involve the administration of an effective amount of a pharmaceutical composition comprising a short acting dihydropyridine compound such as clevidipine. The pharmaceutical composition may be administered at an initial dose and if blood pressure is not controlled or maintained within a target blood pressure range or reduced to within a target blood pressure range the initial dose may be titrated to achieve a blood pressure within the target blood pressure range. The patient may have a systolic blood pressure of about 120 mmHg or above.

No. of Pages: 34 No. of Claims: 21

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

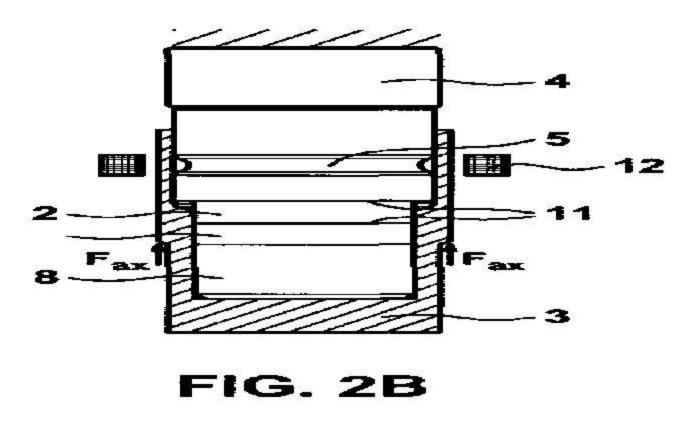
(43) Publication Date: 27/11/2015

# (54) Title of the invention : HIGH-PRESSURE TIGHT CONNECTION OF A PLATE-SHAPED BODY TO FURTHER BODY OF A FUEL INJECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:03/01/2011 :WO 2011/092040 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)NAGEL, JENS-PETER
Filing Date	:NA	

#### (57) Abstract:

A method for a high-pressure tight connection of at least one plate-shaped body (1, 2) to another body of a fuel injector, wherein a clamping sleeve (3) is used, wherein a holding body (4) interacting with the clamping sleeve (3) is used as another body, having at least one groove (5) disposed on an outer circumference and configured peripherally in a radial plane. The method includes fixing the holding body (4), applying the at least one plate-shaped body (1, 2) and coaxially aligning the bodies (1, 2, 4) to be connected, joining the clamping sleeve (3) over the bodies (1, 2, 4) to be connected, stretching the clamping sleeve (3) by applying an axial force Fax, such that tension is generated in the clamping sleeve (3), producing a positively locked connection of the clamping sleeve (3) with the holding body (4) during stretching by using a high-speed forming process.



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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AN APPARATUS FOR DETECTING A COMPONENT IN A SAMPLE

:G01N21/27,G01N21/31 (71)Name of Applicant : (51) International classification 1)RADIOMETER MEDICAL APS (31) Priority Document No :PA201200816 (32) Priority Date Address of Applicant ....kandevej 21 DK 2700 Br nsh j :20/12/2012 (33) Name of priority country :Denmark Denmark (86) International Application No :PCT/IB2013/061031 (72) Name of Inventor: Filing Date :17/12/2013 1)ANDERSEN Willy Lindegaard (87) International Publication No :WO 2014/097141 2) HANSEN Heine (61) Patent of Addition to Application 3)DANNEVANG Oluf :NA Number 4)HANSEN Ole Munch :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

An apparatus for detecting a first component in a sample (104) the first component being responsive to at least radiation (113) of a first wavelength the sample comprising the first component and a second component responsive to at least radiation (114) of a second wavelength the apparatus comprising: at least one radiation source (101 102) configured to direct radiation (113 114) towards the sample; at least one radiation detector (106 107) configured to detect radiation (116 117) of at least the first and the second wavelength said detected radiation having propagated along a radiation path through at least a portion of the sample; and a processing unit (108) operable to receive at least one detector signal from the at least one radiation detector indicative of the detected radiation and to determine an estimated path length of the radiation path at least from a determined absorbance by the sample of radiation at the second wavelength; determine an estimated concentration of the first component at least from a determined absorbance by the sample of radiation at the first wavelength and from the estimated path length; determine a corrected concentration of the first component at least from the estimated concentration and from a correction term indicative of a corrected path length corrected for a presence of the first component using the estimated concentration.

No. of Pages: 35 No. of Claims: 26

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

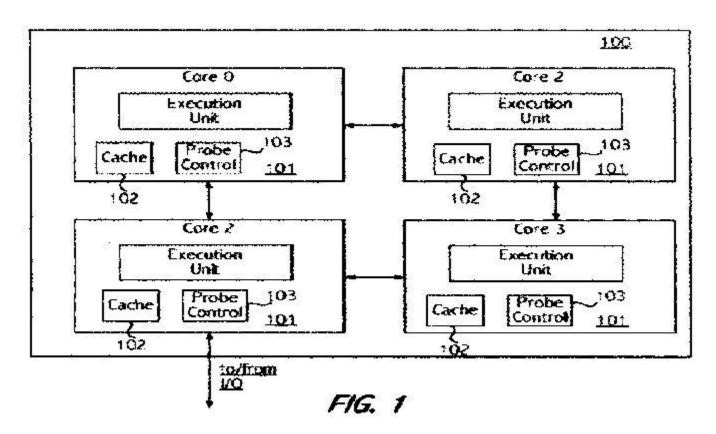
(43) Publication Date: 27/11/2015

# (54) Title of the invention: CONTROLLING PERFORMANCE STATE BY TRACKING PROBE ACTIVITY LEVEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G06F 1/32 :61/258,798 :06/11/2009 :U.S.A. :PCT/US2010/055598 :05/11/2010 :WO 2011/057059	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES, INC.  Address of Applicant: P.O. BOX 3453, ONE AMD PLACE, SUNNYVALE, CALIFORNIA 94088, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)BRANOVER, ALEXANDER 2)STEINMAN, MAURICE, B.
	:WO 2011/057059 :NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

A processing node tracks probe activity level associated with its internal caching or memory system. If the probe activity level increases above a threshold probe activity level, the performance state of the processing node is increased above its current performance state to provide enhanced performance capability in responding to the probe requests. After entering the higher performance state in response to the probe activity level being above the threshold probe activity level, the processing nodes returns to a lower performance state in response to a reduction in probe activity. There may be multiple threshold probe activity levels and associated performance states.



No. of Pages: 23 No. of Claims: 14

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BANDWIDTH SAVING ARCHITECTURE FOR SCALABLE VIDEO CODING SPATIAL MODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:H04N19/187 :13/689212 :29/11/2012 :U.S.A. :PCT/US2013/071931 :26/11/2013 :WO 2014/085415 :NA :NA	(72)Name of Inventor: 1)ZHANG Lei 2)ZHOU Ji 3)CHEN Zhen
		1 '
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A system and method for scalable video coding that includes base layer having lower resolution encoding enhanced layer having higher resolution encoding and the data transferring between two layers. The system and method provides several methods to reduce bandwidth of inter layer transfers while at the same time reducing memory requirements. Due to less memory access the system clock frequency can be lowered so that system power consumption is lowered as well. The system avoids having prediction data from base layer to enhanced layer to be up sampled for matching resolution in the enhanced layer as transferring up sampled data can impose a big burden on memory bandwidth.

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

(22) Date of filing of Application :21/05/2012

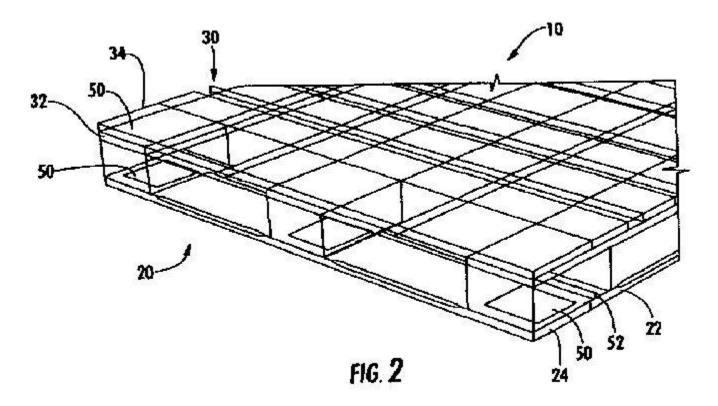
(43) Publication Date: 27/11/2015

# (54) Title of the invention: WOODEN PALLET WITH NAIL PLATES AND REALATED METHODS

(51) International classification	:B65D 19/14	(71)Name of Applicant:
(31) Priority Document No	:61/267,664	1)CHEP TECHNOLOGY PTY LIMITED
(32) Priority Date	:08/12/2009	Address of Applicant :LEVAL 40, GATEWAY, 1
(33) Name of priority country	:U.S.A.	MACQUARIE PLACE, SYDNEY, NEW SOUTH WALES 2000
(86) International Application No	:PCT/US2010/059442	(AU) Australia
Filing Date	:08/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/072003	1)LANTZ, DAN
(61) Patent of Addition to Application	:NA	2)BRANDT, KEN
Number	:NA	
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A wooden pallet includes a base layer, and a cargo layer. The cargo layer includes a pair of spaced apart connector boards, and a pair of spaced apart end deck boards orthogonal to the pair of connector boards. Respective ends of the pair of end deck boards overlap respective ends of the pair of connector boards. Nail plates are coupled between the respective ends of the pair of connector boards and the respective ends of the pair of end deck boards. Each nail plate has a first surface having projections extending outwards therefrom and embedded into one of the end deck boards, and a second surface opposite the first surface devoid of any projections and contacting an end of one of the connector boards. Spaced apart support blocks are between the base layer and the pair of connector boards in the cargo layer, and form a gap therebetween.



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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR DISPENSING LUBRICATING GREASE BY MEANS OF A LUBRICANT DISPENSER IN A METERED MANNER

(51) International :B05C17/005,B05C17/01,F16N11/08

classification .Bo3C177003,B03C17701,1 101V1170

(31) Priority Document No :10 2012 111 376.9 (32) Priority Date :23/11/2012

(33) Name of priority :Germany

country :Gern

(86) International PCT/EP2013/072523
Application No

Filing Date :28/10/2013

(87) International

Publication No :WO 2014/079658

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

(71)Name of Applicant:

1)PERMA TEC GMBH & CO. KG

Address of Applicant : Hammelburger Strae 21 97717 Euerdorf

Germany

(72)Name of Inventor : 1)LEHNERT Jochen

2)GROM Manfred 3)HAUPT Thomas

4)EISENBACHER Egon

## (57) Abstract:

Filing Date

The invention relates to a method for dispensing lubricating grease by means of a lubricant dispenser (1) in a metered manner said lubricant dispenser having a lubricant cartridge (3) which is filled with lubricating grease (2) and has a piston (4) for expressing the lubricating grease a spindle (6) which is driven by a direct current drive motor (5) for moving the piston (4) a voltage source (7) and a control electronics system (8) for driving the motor (5) using a microcontroller and a device (10) for interrupting the motor current flowing through the motor. The motor (5) is put into operation by the control electronics system (8) in adjustable time intervals wherein a partial quantity of dispensing agent is expressed from the cartridge (3) as a result of a piston movement with a defined piston stroke. During operation of the motor the motor current and the motor voltage are measured and the motor run time which is required in order to generate the piston stroke is calculated using the current and voltage measurement values and also at least one motor characteristic variable. When the motor operation time reaches the calculated motor run time the motor current is interrupted.

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

(22) Date of filing of Application :21/05/2012

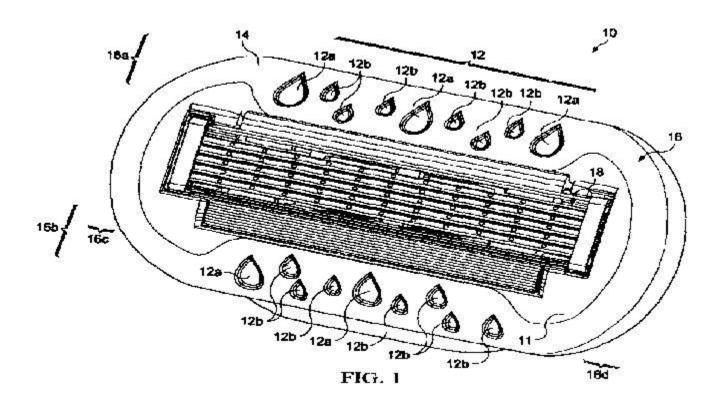
(43) Publication Date: 27/11/2015

# (54) Title of the invention: RAZOR CATRIDGE COMPONENTS WITH INDICIA

(51) International classification	:B26B 21/44	(71)Name of Applicant:
(31) Priority Document No	:12/629,249	1)THE GILLETTE COMPANY
(32) Priority Date	:02/12/2009	Address of Applicant :WORLD SHAVING
(33) Name of priority country	:U.S.A.	HEADQUARTERS, IP/LEGAL PATENT DEPARTMENT - 3E,
(86) International Application No	:PCT/US2010/058196	ONE GILLETTE PARK, BOSTON, MASSACHUSETTS 02127,
Filing Date	:29/11/2010	U.S.A. U.S.A.
(87) International Publication No	:WO 2011/068755	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)SZCZEPANOWSKI, ANDREW, ANTHONY
Number	:NA	2)KINARD, JENNIFER, RUTH
Filing Date	.11/1	3)JOHNSON, ROBERT, HAROLD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A novel razor cartridge is disclosed where the cartridge comprises at least one indicium incorporated onto an exterior surface of at least one component of the razor cartridge. The indicia may include functional and/or aesthetic benefits communicated or obtained to the user before, during or after use the razor product. In one embodiment, the indicia are water droplets recessed into the lube ring of the razor cartridge, conveying the benefits of the lube ring and/or razor product to the consumer such as skin moisturization and/or the release of lubricant.



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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CASCADING PLANT GROWTH SYSTEM AND PLANT GROWTH TRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A01G 31/06 :61/288,542 :21/12/2009 :U.S.A. :PCT/US2010/059352 :08/12/2010 :WO 2011/084312 :NA :NA :NA	(71)Name of Applicant:  1)FRAUNHOFER USA INC.  Address of Applicant: CENTER FOR MOLECULAR BIOTECHNOLOGY, 9 INNOVATION WAY, NEWARK, DE 19711-5449, USA U.S.A. (72)Name of Inventor:  1)YUSIBOV, VIDADI 2)NORIKANE, JOEY
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## (57) Abstract:

A plant growth container includes a tray, an inlet channel in the tray, a growth media retainer in the tray, one or more protrusions within the growth media retainer, an outlet channel connected to the growth media retainer, and a lid capable of being fixedly attached to the tray. The tray can be used in a hydroponic growth system for plants, where the system includes a container for growing plants. The container includes a tray, an inlet channel in the tray, a growth media retainer in the tray connected to the inlet channel, one or more protrusions in the growth media retainer, the protrusions capable of securing growth media from lateral movement, an outlet channel connected to the growth media retainer, and a lid. The system may include a reservoir for holding a liquid and a pump capable of pumping the liquid from the reservoir to the container.

No. of Pages: 23 No. of Claims: 20

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEMS FOR ENERGY RECOVERY AND RELATED METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(22) Principles of Application Number</li> </ul>	:16/11/2010 :WO 2011/060399 :NA :NA	(71)Name of Applicant:  1)PARADIGM WATERWORKS, LLC Address of Applicant: 16107 44TH AVENUE E., TACOMA, WASHINGTON 98466, USA U.S.A. (72)Name of Inventor: 1)LYLE BATES
1 (01110 01	:NA :NA :NA	

## (57) Abstract:

Energy recovery systems can utilize waste heat from an internal combustion engine or other base energy conversion system in the operation of hydrogen processors. Some energy recovery systems can utilize more than one source of waste heat from the energy converting system for this purpose.

No. of Pages: 46 No. of Claims: 22

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYNTHESIS AND USE OF TRANS 1 3 3 3 TETRAFLUOROPROPENE/VINYLIDENE FLUORIDE COPOLYMERS

(51) International :C08F214/18,C08F214/22,C08L27/12

classification .Cool 214/10,Cool 214/22,Co

(31) Priority Document No :61/731383 (32) Priority Date :29/11/2012

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

country

(86) International PCT/US2013/069637
Application No

Filing Date :12/11/2013

(87) International Publication No :WO 2014/085079

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

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

(71)Name of Applicant:

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962

2245 U.S.A.

(72)Name of Inventor:

1)LU Changqing 2)POSS Andrew J.

3)SINGH Rajiv R. 4)NALEWAJEK David

5) CANTLON Cheryl

## (57) Abstract:

A copolymer comprising trans 1 3 3 3 tetrafluoropropene units and vinylidene fluoride units and methods of making the same. A method of preventing biofouling on an article of manufacture comprising applying such copolymer to the article of manufacture. A process of preparing a surface having a surface energy of between about 20 and about 30 mJ/m2 comprising applying such a copolymer to a support. A method of preventing accumulation of ice on an article of manufacture comprising applying such a copolymer to an article of manufacture. A method of preparing a polymer comprising a step of adding 1 3 3 3 tetrafluoropropene/vinylidene fluoride copolymer as a polymer processing additive/aid to said polymer.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR THE BIO-REMEDIATION OF AQUEOUS WASTE COMPOSITIONS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification Filing Date (52) International Publication Number Filing Date (62) Divisional to Application Number Filing Date (53) International Classification Filing Date (54) Priority Document No (56) International Application No (50) International Classification (51) Patent No (52) International Classification (51) Patent No (51) Patent No (51) Patent No (52) Priority Date (51) Patent No (52) Patent No (53) Patent No (54) Patent No (54) Patent No (55) Patent No (56) Patent No (57) Patent No	(71)Name of Applicant: 1)IMET CORPORATION Address of Applicant: P.O. BOX 470812, CLEVELAND, OHIO 44147, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)MEHMET A. GENCER 2)PAUL M. ZAKRISKI 3)CLARK B. LANGMACK
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#### (57) Abstract:

Numerous different types of waste compositions generally in an aqueous environment are bio-remediated under aerobic conditions utilizing highly diverse and multiple microorganisms within a reactor. The process is carried out with the microorganisms attached or bound by a va¬riety of different surface characteristics to packing substrates, located with¬in the reactor, having high surface areas and high porosity in the form of small micropores. Multiple different types of substrates are utilized that in-clude minerals, carbon compounds, polymers and plastics, ceramics, met¬als, and the like and shapes thereof are utilized that efficiently dissolve air into the water. The reactors desirably have multiple bio-remediation stages therein. The reactor also contains at least one perforated chimney through which air can flow and optimize dissolving oxygen into the aqueous envi¬ronment of the various bio-remediation stages. The reactors house maxi¬mum biodiversity to bio-remediate waste compositions in various wastew¬aters encountered from industrial, commercial, municipal and residential sources.

No. of Pages: 55 No. of Claims: 19

(21) Application No.4477/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

:NA

# (54) Title of the invention: RADIOPAQUE GUIDEWIRE TO FACILITATE CATHETER ALIGNMENT

(51) International classification :A61M25/09,A61M25/10 (71)Name of Applicant : 1)CLEARSTREAM TECHNOLOGIES LIMITED (31) Priority Document No :61/747431 (32) Priority Date :31/12/2012 Address of Applicant : Moyne Upper Enniscorthy County (33) Name of priority country :U.S.A. Wexford Ireland (86) International Application No (72) Name of Inventor: :PCT/IB2013/002958 Filing Date :31/12/2013 1)ELTON Richard K. (87) International Publication No :WO 2014/102599 (61) Patent of Addition to Application :NA Number :NA Filing Date

## (57) Abstract:

Filing Date

An apparatus for treating a treatment area in the vasculature using a catheter having a balloon. The apparatus comprises a guidewire for guiding the balloon to the treatment area said guidewire including one or more radiopaque markings arranged for corresponding to the treatment area. Related aspects and methods are also disclosed.

No. of Pages: 23 No. of Claims: 34

(62) Divisional to Application Number :NA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LOCATING DEVICE FOR INTRAVITAL LUMEN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61B 19/00 :200910207950.0 :02/11/2009 :China :PCT/CN2010/001708 :27/10/2010 :WO 2011/050576 :NA :NA	(71)Name of Applicant: 1)CHONGQING JINSHAN SCIENCE & TECHNOLOGY (GROUP) CO., LTD Address of Applicant: JINSHAN INTERNATIONAL INDUSTRIAL CITY, NO.18, NICHANG AVENUE, LIANGLU INDUSTRIAL CITY, YUBEI DISTRICT, CHONGQING 401120, CHINA China (72)Name of Inventor: 1)XINAGDONG LI 2)JIAN YUAN 3)LIN CHEN 4)ZHIJUN LI 5)WANLI TONG
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#### (57) Abstract:

A fixing device for intravital lumen, comprises a base (18); and a fixing mechanism (5), fixed on said base (18); wherein, said fixing mechanism (5) comprises a housing (5a), and at least a set of clamping brackets (3); and a rotating shaft (7); wherein, a bracket hole (3b) is formed on each clamp bracket (3), and the rotating shaft (7) passes through said bracket hole (3b) and fixes each set of the clamping brackets (3) on the housing (5a) of the fixing device; when the fixing device for intravital lumen is placed inside an intravital lumen (11), a soft tissue (11a) of intravital lumen enters a clearance space (3d), and a force is acted on back ends of at least a pair of the clamping bracket (3) and causes the clamping brackets (3) to rotate around the rotating shaft (7); and the soft tissue in the clearance space (3d) is squeezed and clamped. The fixing device is fixed at multiple points on the wall of intravital lumen, which provides a restriction to the axial rotation of such device in the lumen, enhances the reliability of fixation, and improves the accuracy of locating of device.

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

(21) Application No.4482/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: HANDOVER IN A SOFT CELL NETWORK

(51) International :H04W36/30,H04W36/04,H04W84/04 classification

(31) Priority Document No :13/705007 (32) Priority Date :04/12/2012 (33) Name of priority

:U.S.A. country

(86) International

:PCT/IB2013/060579 Application No :02/12/2013

Filing Date (87) International

:WO 2014/087322 Publication No

:NA

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

:NA **Application Number** 

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :Se 164 83 S 164 83 Stockholm Sweden

(72)Name of Inventor: 1)SORRENTINO Stefano 2)DIMOU Konstantinos

## (57) Abstract:

Filing Date

Devices and methods for making a determination whether or not to handover a user equipment (UE) from a serving cell to a target cell are disclosed. The decision is based on a comparison that includes both control plane and data plane link quality considerations. The disclosed devices and methods may be applied to handover determinations in heterogeneous networks that implement a soft cell configuration.

No. of Pages: 48 No. of Claims: 43

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

:NA

:NA

# (54) Title of the invention : METHOD AND DEVICE FOR STRENGTHENING AND LIGHTENING FLOOR AND ROOF FRAMING

(51) International classification (71)Name of Applicant: :E04G 11/46 (31) Priority Document No 1)JAVIER ANTONIO SIMON DOMINGUEZ :MX/A/2009/012586 (32) Priority Date Address of Applicant: CALLE 41, NO. 504 X 62, COLONIA :20/11/2009 (33) Name of priority country CENTRO, C.P. 97000, MERIDA, YUCATIAN, MEXICO :Mexico (86) International Application No :PCT/MX2010/000130 Mexico (72)Name of Inventor: Filing Date :16/11/2010 (87) International Publication No :WO 2011/062466 1)SIMON DOMINGUEZ, JAVIER ANTONIO (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

Method and device for strengthening and lightening floor and roof framing, where the beams and the compression slab are firmly integrated, making it possible to easily recover the moulds or blocks lightening the framing. The method uses several devices, prefabricated beams, moulds, mesh, concrete laid on site and where necessary reinforcing rods. The devices comprise essentially: a section, two bolts and a pin. The section will be tensile-stress resistant and folded into a U shape to match the beams. The method involves affixing the device, wrapped transversally around the beam. Likewise, and several devices can be affixed along each beam. The beams are then placed on their walls or girders, parallel and separated depending on the moulds, then the moulds are seated in the protruding segments of the bolts of the device until the spans are covered, affixing reinforcing rods in the sides of the device where necessary. The mesh is then laid by attaching it to the ends of the devices. The concrete is then poured until the compression slab and the channels above the beams are filled. Once set, the bolts are removed to recover the moulds from below.

No. of Pages: 15 No. of Claims: 2

(62) Divisional to Application Number

(21) Application No.4483/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR THE PRODUCTION OF DISCRETE SOLID EXTRUDED PARTICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A23L1/303,A23L1/00,A23L1/22 :12194395.5 :27/11/2012	<ul> <li>(71)Name of Applicant:</li> <li>1)DSM IP ASSETS B.V.</li> <li>Address of Applicant: Patent Department Het Overloon 1 NL</li> </ul>
(33) Name of priority country	:EPO	6411 The Heerlen Netherlands
(86) International Application No Filing Date	:PCT/EP2013/074879 :27/11/2013	(72)Name of Inventor : 1)TELEKI Alexandra
(87) International Publication No	:WO 2014/083065	
(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 process for the production of discrete solid extruded particles comprising emulsion droplets to such particles as well as to the use of such particles in food feed pharmaceutical and personal care applications.

No. of Pages: 34 No. of Claims: 30

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : ARRANGEMENT FOR HEIGHT ADJUSTMENT REFERABLY FOR KITCHEN TABLES WITH BASE CABINETS

(51) International classification	:A47B 9/04	(71)Name of Applicant : 1)LINAK A/S
(31) Priority Document No	:PA 2009 01294	Address of Applicant :SMEDEVAENGET 8, GUDERUP,
(32) Priority Date	:09/12/2009	DK-6430 NORDBORG, DENMARK Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:PCT/DK2010/000172	1)RANDL~V, MICHAEL LINDEKILDE
Filing Date	:09/12/2010	2)BASSE, TORBEN
(87) International Publication No	:WO 2011/069509	3)WINTHER, HENRIK
(61) Patent of Addition to Application	:NA	4)BASTHOLM, JEPPE CHRISTIAN
Number	:NA	5)RIIS, MARTIN
Filing Date	.11/1	6)KRISTENSEN, HENNING
(62) Divisional to Application Number	:NA	7)NIELSEN, JENS J~RGEN
Filing Date	:NA	8)KLINKE, NORBERT
		9)JENSEN, BENT

# (57) Abstract:

An arrangement for height-adjustment, preferably for kitchen tables with base cabinets is designed as a platform comprising a bottom plate (10), on which is mounted a lifting arrangement (13-18) with a carrying surface (11) for an object positioned thereon.

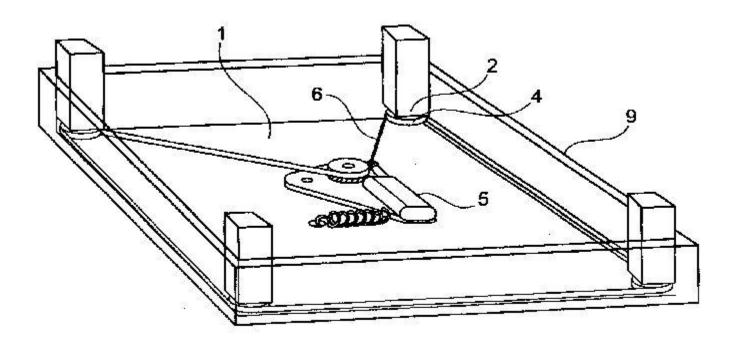


Fig. 1

No. of Pages: 31 No. of Claims: 15

(21) Application No.4484/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYNTHESIS OF TETRAHYDROMYRCENOL

(51) International classification	:C07C29/17,C07C31/125	(71)Name of Applicant:
(31) Priority Document No	:12194596.8	1)DSM IP ASSETS B. V.
(32) Priority Date	:28/11/2012	Address of Applicant :Patent Department Het Overloon 1 NL
(33) Name of priority country	:EPO	6411 The Heerlen Netherlands
(86) International Application No	:PCT/EP2013/075003	(72)Name of Inventor:
Filing Date	:28/11/2013	1)BEUMER Raphael
(87) International Publication No	:WO 2014/083121	2)BONRATH Werner
(61) Patent of Addition to Application	:NA	3)MEDLOCK Jonathan Alan
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to a new and improved synthesis of tetrahydromyrcenol (IUPAC name: 2,6-dimethyl 2-octanol).

No. of Pages: 10 No. of Claims: 7

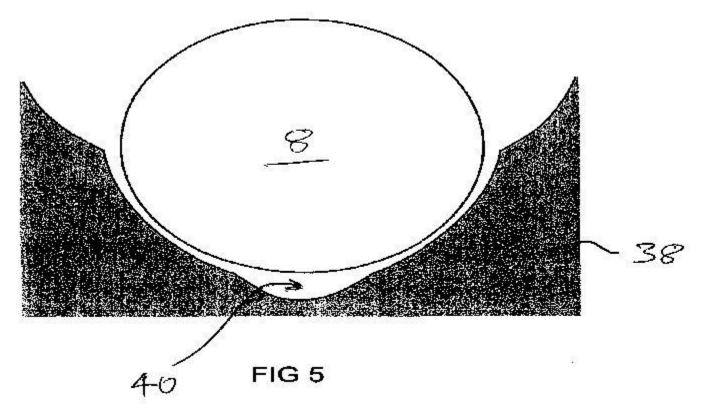
(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ENERGY FOCUSSING

(51) International classification	:G21B 3/00	(71)Name of Applicant:
(31) Priority Document No	:0920816.6	1)ISIS INNOVATION LIMITED
(32) Priority Date	:27/11/2009	Address of Applicant :EWERT HOUSE, EWERT PLACE,
(33) Name of priority country	:U.K.	SUMMERTOWN, OXFORD, OXFORDSHIRE OX2 7SG,
(86) International Application No	:PCT/GB2010/051976	GREAT BRITAIN U.K.
Filing Date	:26/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/064549	1)VENTIKOS, NICHOLAS
(61) Patent of Addition to Application	:NA	2)HAWKER, NICHOLAS
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method of producing a localised concentration of energy comprises providing a series of projectiles (8) and firing said projectiles (8) at a target (2; 4; 6; 14; 16; 18; 20; 30; 32; 34; 36; 38; 42). An apparatus for producing localised concentration of energy comprises: means for providing a series of projectiles (8) and means for firing said projectiles (8) at a target (2; 4; 6; 14; 16; 18; 20; 30; 32; 34; 36; 38; 42). The target (2; 4; 6; 14; 16; 18; 20; 30; 32; 34; 36; 38; 42) is configured such that upon striking the target, a projectile (8) traps and compresses a volume of gas (10) between the projectile and the target. The target (2; 4; 6; 14; 16; 18; 20; 30; 32; 34; 36; 38; 42) and the projectile (8) are also configured such that impact of the projectile onto the target gives rise to a converging Shockwave (12) inside the trapped volume of gas (10).



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

:NA

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : UNIT ROOM FLOOR PANEL METHOD FOR TRANSPORTING SAME AND METHOD FOR INSTALLING SAME

(51) International classification :E04H1/12,E04B1/348,E04B5/02 (71) Name of Applicant: (31) Priority Document No :2013026877 1)LIXIL CORPORATION (32) Priority Date Address of Applicant: 2 1 1 Ojima Koto ku Tokyo 1368535 :14/02/2013 (33) Name of priority country :Japan (86) International Application (72)Name of Inventor: :PCT/JP2013/007663 1)HADA Shigeaki :27/12/2013 Filing Date 2)YAMAOKA Yoshiyuki (87) International Publication 3)NAKASUGI Shinichi :WO 2014/125554 4)HIDESHIMA Masataka (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

To provide a unit room and a floor panel that are easy to transport and in which level adjustment can be performed easily after installation at the site of installation; and a method for transporting the same and a method for installing the same. [Solution] A frame body (40) is mounted to the upper part of a unit room (20). Guide pieces (44) are each arranged along the outer surface of the four respective corner parts of the unit room (20). Hooks (47) each provided at the lower end of respective linear bodies (46) are hooked onto respective eyebolts (8). A hook (50) of a crane is hooked onto the upper part of each of the linear bodies (46) and the unit room (20) is lifted up and transported. After carrying the unit room above a floor slab (60) the unit room is lowered onto the floor slab (60). After disengaging the hooks (47) from the respective eyebolts (8) the level of the unit room (20) is adjusted by turning the eyebolts (8) so as to protrude downward.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CURRENT INPUT CONVERTER

(51) International classification	:G01R 15/18	(71)Name of Applicant:
(31) Priority Document No	:2009-271458	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:30/11/2009	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO 105-8001, JAPAN Japan
(86) International Application No	:PCT/JP2010/071261	(72)Name of Inventor:
Filing Date	:29/11/2010	1)YANAGIHASHI YUSUKE
(87) International Publication No	:WO 2011/065535	2)SHIRAKAWA HIROYUKI
(61) Patent of Addition to Application	:NA	3)TANAKA TOSHIO
Number	:NA	4)MAEHARA HIROYUKI
Filing Date	.11/1	5)SUGA NORIYOSHI
(62) Divisional to Application Number	:NA	6)SHUTO ITSUO
Filing Date	:NA	

## (57) Abstract:

A current input converter (13) converts an input current taken in through a terminal table (11) into a predetermined analog signal, by electrically isolating the input current by the transformer (14), and converts the analog signal obtained by the transformer (14) into a digital signal by an analog-to-digital conversion circuit (18). The terminal table (11) of the current input converter and an end of a primary-side coil of the transformer (14) are connected by a first metal plate and a second metal plate which have solid shapes. The first metal plate having the solid shape has an end attached to the terminal table (14) and the other end attached to the terminal table (11) and the other end attached to the other end of the primary-side coil of the transformer (14), and connects the terminal table (11) and the other end of the primary-side coil of the transformer (14).

No. of Pages: 41 No. of Claims: 5

(21) Application No.4468/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POLYMERIC SURFACTANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08G63/66 :61/857004 :22/07/2013 :U.S.A. :PCT/US2014/045001 :01/07/2014 :WO 2015/013011 :NA :NA	(71)Name of Applicant:  1)HUNTSMAN PETROCHEMICAL LLC Address of Applicant: 10003 Woodloch Forest Drive The Woodlands TX 77380 U.S.A. (72)Name of Inventor:  1)SU Wei Yang 2)CHAMPION Donald H.
Number	:NA	

## (57) Abstract:

Surfactant compositions including sulfonated polyester polyethers and methods of making such compositions are described. A diol is reacted with an anhydride having residual unsaturation and the resulting polymer is sulfonated under mild acid base conditions. Sulfonation occurs at the residual unsaturation. If maleic anhydride is used sulfonation occurs at locations alpha to carbonyl carbons in the polymer.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ORAL CARE COMPOSITIONS FOR USE WITH AN ORAL LIGHT 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>	:20/12/2010 :WO 2011/084744 :NA :NA	(71)Name of Applicant:  1)COLGATE-PALMOLIVE COMPANY Address of Applicant: 300 PARK AVENUE, NEW YORK, NEW YORK 10022, U.S.A. U.S.A. (72)Name of Inventor: 1)PATEL MADHUSUDAN 2)PAREDES ROSA 3)BOYD THOMAS 4)HASSAN MAHMOUD
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## (57) Abstract:

Generally regarded as safe (GRAS) dyes can be used as photosensitizing dyes in oral compositions to provide anti-bacterial and antiinflammatory efficacy. Embodiments include oral care compositions including photosensitizing dyes, methods of making the compositions, methods of using the compositions, and kits containing the compositions and light emitting devices.

No. of Pages: 43 No. of Claims: 18

(21) Application No.4469/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PYRROLIDINE DERIVATIVES PHARMACEUTICAL COMPOSITIONS AND USES THEREOF

(51) International

classification

:C07D401/14,A61K31/4402,A61K31/4406

(31) Priority

:13152734.3 Document No (32) Priority Date :25/01/2013

(33) Name of priority :EPO

country

(86) International Application No

:PCT/EP2014/050981

Filing Date

:20/01/2014

(87) International Publication No

:WO 2014/114578

(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)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Strasse 173 55216 Ingelheim

Am Rhein Germany (72) Name of Inventor:

1)FLECK Martin 2) HEINE Niklas 3)NOSSE Bernd

4)ROTH Gerald Juergen

The invention relates to new pyrrolidine derivatives of the formula (I) to their use as medicaments to methods for their therapeutic use and to pharmaceutical compositions containing them.

No. of Pages: 215 No. of Claims: 18

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS COMPRISING PROTEASE VARIANTS

(51) International classification	:A61K 38/16	(71)Name of Applicant:
(31) Priority Document No	:61/285,127	1)DANISCO US INC.
(32) Priority Date	:09/12/2009	Address of Applicant :925 PAGE MILL ROAD, PALO
(33) Name of priority country	:U.S.A.	ALTO, CALIFORNIA 94304 U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/059628	(72)Name of Inventor:
Filing Date	:09/12/2010	1)BASLER JOSHUA ROY
(87) International Publication No	:WO 2011/072099	2)CASCAO-PEREIRA LUIS GUSTAVO
(61) Patent of Addition to Application	:NA	3)ESTELL DAVID A.
Number		4)KELLIS JAMES T.
Filing Date	:NA	5)PISARCHIK ALEXANDER
(62) Divisional to Application Number	:NA	6)POULOSE AYROOKARAN J.
Filing Date	:NA	7)TORRES-PAZMINO DANIEL

## (57) Abstract:

The present invention provides protease variants, compositions comprising protease variants, and methods of using such protease variants and compositions.

No. of Pages: 508 No. of Claims: 78

(21) Application No.4470/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR PRODUCING 4 HALOALKYL 3 MERCAPTO SUBSTITUTED 2 HYDROXY BENZOIC ACID DERIVATIVES

(51) International :C07C319/20,C07C323/62,C07C323/54

classification

(31) Priority Document :12197102.2

(32) Priority Date :14/12/2012

(33) Name of priority :EPO

country

(86) International

:PCT/EP2013/076014 Application No :10/12/2013

Filing Date

(87) International

:WO 2014/090766 **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)BAYER CROPSCIENCE AG

Address of Applicant : Alfred Nobel Str. 50 40789 Monheim

Germany

(72) Name of Inventor:

1)FORD Mark James 2)KARIG Gunter

# (57) Abstract:

The invention relates to a method for producing 4 haloalkyl 3 mercapto substituted 2 hydroxy benzoic acid derivatives of general formula (I) by reacting 4 thio substituted ketoesters of formula (II) with alkoxyvinylhaloalkyl ketones of formula (III) in the presence of a base. In the above formulae X R R and R represent hydrogen halogen alkyl alkoxy and cycloalkyl.

No. of Pages: 12 No. of Claims: 11

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: DEVICE FOR RECEIVING A MOTOR VEHICLE SUSPENSION ELEMENT EQUIPMENT COMPRISING TWO IDENTICAL DEVICES AND METHOD FOR MANUFACTURING THE EQUIPMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No.</li> </ul>	:B62D25/08 :1261085 :21/11/2012 :France	(71)Name of Applicant:  1)RENAULT S.A.S.  Address of Applicant: 13 15 Quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor:
(33) Name of priority country	:France	Billancourt France
(86) International Application No Filing Date	:21/11/2013	(72)Name of Inventor : 1)ROUSSEAU Olivier
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2014/079908 :NA	2)BANNIER Nathalie 3)BEDDOCK David
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device (1) for receiving motor vehicle suspension element that is formed in one piece. Said device comprises a positioning system (2) configured such that mounting said device to a chassis element (3) corresponding to the vehicle can be carried out indiscriminately at a front left or front right suspension area of said vehicle. The positioning system (2) comprises: a first coupling element (2a) for engaging during the mounting with a first mounting member (4a) when the receiving device is configured such as to be placed at the front right suspension area; and a second coupling element (2b) for engaging during the mounting with a second mounting member (4b) when the receiving device is configured such as to be placed at the front left suspension area.

No. of Pages: 25 No. of Claims: 12

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PRODUCTION METHOD OF A NOVEL POLISHING ALUMINA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/746770 :28/12/2012 :U.S.A. :PCT/EP2013/077933 :23/12/2013 :WO 2014/102249 :NA :NA	(71)Name of Applicant:  1)ALBEMARLE EUROPE SPRL Address of Applicant:Rue du Bosquet 9 B 1348 Louvain la Neuve Belgium (72)Name of Inventor: 1)HOFIUS Henning
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Provided is a method for the formation of particulate compounds of selectable size characteristics which method includes supporting a slurried particulate precursor on a porous support; heating the support such that aggregates of the particulate compound are formed and desagglomerating the aggregates into their component particulate. In a preferred embodiment an aqueous slurry of alumina particulate which has not undergone the alpha transition is contacted with a porous support having defined pore and cavity sizes such that the slurry occupies at least some of the interstices of the porous support. The slurry and support are heated such that the alumina precursor slurry undergoes the alpha transition. The alpha alumina product is then particulated. The support is of such a material that it is either lost through combustion during heating or otherwise removable after heating such as during or after particulation without destroying the particle characteristics imparted by the porous support. Additionally in a further embodiment co components are added to the slurry in order to impart desired properties to the particulated product.

No. of Pages: 105 No. of Claims: 7

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: THERMALLY CONDUCTIVE METAL BASED BANDAGES WITH HYDROGEL SUBSTRATE

(51) International classification :A61L15/18,A61F7/02,A61F13/00 (71)Name of Applicant :

(31) Priority Document No :61/723075 (32) Priority Date :06/11/2012 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/IB2013/003136 No :06/11/2013 Filing Date

(87) International Publication

:WO 2014/076582

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

:NA Number :NA Filing Date

(57) Abstract:

1)ADVANCED FIRST AID RESEARCH PTE. LTD.

Address of Applicant: 3 Biopolis Drive 01 15 Synapse

Singapore 138623 Singapore (72) Name of Inventor:

1)FREER Carl J.

2) CARROLL Stephen J.

The invention is a class of medical bandages that are effective for use in the treatment of various types of tissue burns such as burns due to heat chemicals or sun exposure. The inventive bandages are comprised of a thin metal substrate in combination with a heat sink. The inventive bandages incorporate a metal substrate (such as aluminum) having a burn facing side for direct contact with the burn to draw heat away from the burn by conduction and a heat sink facing side opposite the burn facing side for contact with a hydrogel to draw heat away from the metal layer by conduction. The thin aluminum layer and associated hydrogel heat sink ensures flexibility and effective heat transfer characteristics to rapidly cool a burn wound.

No. of Pages: 24 No. of Claims: 22

(21) Application No.4490/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: NEW IONIC LIQUIDS

(51) International classification	:C25D 3/44	(71)Name of Applicant:
(31) Priority Document No	:0920590.7	1)UNIVERSITY OF LEICESTER
(32) Priority Date	:25/11/2009	Address of Applicant :UNIVERSITY ROAD, LEICESTER
(33) Name of priority country	:U.K.	LE1 7RH (GB) U.K.
(86) International Application No	:PCT/GB2010/002195	(72)Name of Inventor:
Filing Date	:25/11/2010	1)ABBOTT, ANDREW, PETER
(87) International Publication No	:WO 2011/064556	2)ABOOD, HADI
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

There is provided a mixture having a freezing point of up to 100°C formed by a process comprising the step of contacting: (A) from 1 to 2 equivalents of a compound of formula (I) AIX3 (I) wherein each X independently represents Cl, Br or F; with (B) 1 equivalent of a compound of formula (II) R1-C(O)-N(R2)(R3) (II) wherein R1 to R3 have meanings given in the description. There is also provided further mixtures containing additional components, as well as methods of using the mixtures in various applications, such as for the electroreduction of the mixtures to produce aluminium metal.

No. of Pages: 34 No. of Claims: 12

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AROMATIC TRANSALKYLATION USING UZM 39 ALUMINOSILICATE ZEOLITE

(51) International classification	:C07C6/12,C07C15/08,B01J29/70	(71)Name of Applicant:
(31) Priority Document No	:61/736382	1)UOP LLC
(32) Priority Date	:12/12/2012	Address of Applicant :25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/039028 :01/05/2013	<ul><li>(72)Name of Inventor:</li><li>1)NICHOLAS Christopher P.</li><li>2)BOLDINGH Edwin P.</li></ul>
(87) International Publication No	:WO 2014/092764	3)SCHREIER Marc R.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A new family of coherently grown composites of TUN and IMF zeotypes has been synthesized and shown to be effective catalysts for aromatic transalkylation reactions. These zeolites are represented by the empirical formula. NaMTAlESiO where M represents a metal or metals from zinc or Group 1 (IUPAC 1) Group 2 (IUPAC 2) Group 3 (IUPAC 3) or the lanthanide series of the periodic table T is the organic directing agent derived from reactants R and Q where R is an A O dihalosubstituted alkane such as 1 4 dibromobutane and Q is at least one neutral amine having 6 or fewer carbon atoms such as 1 methylpyrrolidine. E is a framework element such as gallium. The process involves transalkylation of a feedstream comprising one or more of C C C and C+ aromatics to obtain a transalkylation product stream having an increased concentration of C aromatics relative to that of the feedstream.

No. of Pages: 66 No. of Claims: 10

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LIPOPEPTIDE COMPOSITIONS AND RELATED METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:23/11/2010 :WO 2011/063419 :NA :NA	(71)Name of Applicant:  1)CUBIST PHARMACEUTICALS INC. Address of Applicant:65 HAYDEN AVENUE, LEXINGTON, MASSACHUSETTS 02421, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)O'CONNOR, SANDRA 2)SUN, SOPHIE 3)NAIK, GAAURI
Filing Date	:NA	

## (57) Abstract:

The present disclosure provides novel powder daptomycin formulations which have improved chemical stability and faster reconstitution times when in the solid state. Some examples of the compositions comprise daptomycin and sucrose.

# Duptomycin HO2C | NH2 | CONH2 | CONH2

Fig. 1

No. of Pages: 64 No. of Claims: 21

(21) Application No.4491/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BACKWASHING FLUID FILTERING SYSTEM

(51) International classification :B01D24/46,B01D24/00,B01D21/24

(31) Priority Document No :13/684675 (32) Priority Date :26/11/2012

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

(86) International :PCT/IB2013/003147

Application No
Filing Date

FC1/1B2013

:25/11/2013

(87) International Publication :WO 2014/080295

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

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

(71)Name of Applicant:
1)EATON CORPORATION

Address of Applicant :1000 Eaton Boulevard Cleveland OH

44122 U.S.A.

(72)Name of Inventor : 1)ISCH Michael Edward

2)CLEMENTS Michael Roland 3)ANNABLE James Craig 4)SWINEHART Robert Jason 5)TRUMAN David Lee

(57) Abstract:

The system of the present disclosure enables a filter cartridge having an array of filter media tubes to be remotely selectively back flushed during service by sequentially flushing the tubes with the rotary valving element to permit removal of trapped filtered material in service without disrupting the filtering flow in the balance of the filter array.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: SWITCHABLE HYDROPHILICITY SOLVENTS AND METHODS OF USE THEREOF

(51) International classification	:C07C 257/14	(71)Name of Applicant:
(31) Priority Document No	:61/255,623	1)QUEEN'S UNIVERSITY AT KINGSTON
(32) Priority Date	:28/10/2009	Address of Applicant :KINGSTON, ONTARIO K7L 3N6,
(33) Name of priority country	:U.S.A.	CANADA Canada
(86) International Application No	:PCT/CA2010/001707	2)GREENCENTRE CANADA
Filing Date	:28/10/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/050469	1)JESSOP, PHILIP, G.
(61) Patent of Addition to Application	:NA	2)PHAN, LAM, N.
Number	:NA	3)CARRIER, ANDREW, J.
Filing Date	.IVA	4)RESENDES, RUI
(62) Divisional to Application Number	:NA	5)WECHSLER, DOMINIK
Filing Date	:NA	

## (57) Abstract:

A solvent that reversibly converts from a hydrophobic liquid form to hydrophilic liquid form upon contact with water and a selected trigger, e.g., contact with C02, is described. The hydrophilic liquid form is readily converted back to the hydrophobic liquid form and water. The hydrophobic liquid is an amidine or amine. The hydrophilic liquid form comprises an amidinium salt or an ammonium salt.

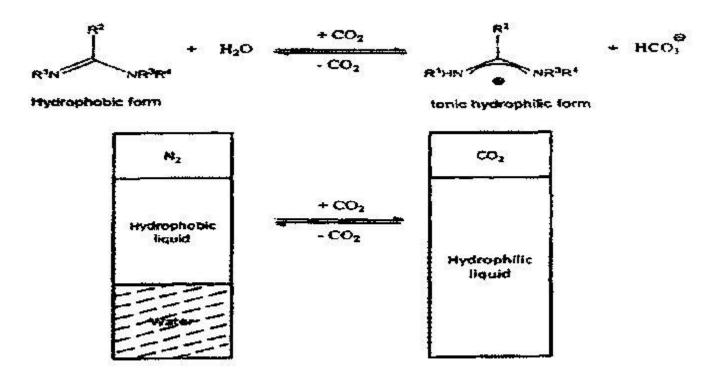


Figure 1

No. of Pages: 149 No. of Claims: 110

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ASSAYS FOR DETECTING NEUTRALIZING AUTOANTIBODIES TO BIOLOGIC THERAPY

(31) Priority Document No :6: (32) Priority Date :30 (33) Name of priority country :U (86) International Application No Filing Date :2:	PCT/IB2013/060458 7/11/2013 VO 2014/083520 NA JA	<ul> <li>(71)Name of Applicant:</li> <li>1)NESTEC S.A.</li> <li>Address of Applicant: Avenue Nestl 55 CH 1800 Vevey</li> <li>Switzerland</li> <li>(72)Name of Inventor:</li> <li>1)HAUENSTEIN Scott</li> <li>2)SINGH Sharat</li> </ul>
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## (57) Abstract:

The present invention provides assays for detecting and measuring the presence or level of neutralizing and non neutralizing autoantibodies to biologies such as anti TNFa drug therapeutics in a sample. The present invention is useful for monitoring the formation of neutralizing and/or non neutralizing anti drug antibodies over time while a subject is on biologic therapy. The present invention is also useful for predicting and/or determining the cross reactivity of neutralizing anti drug antibodies in a subject s sample with alternative biologic therapies. As such the present invention provides information for guiding treatment decisions for those subjects receiving therapy with a biologic agent and improves the accuracy of optimizing therapy reducing toxicity and/or monitoring the efficacy of therapeutic treatment to biologic therapy.

No. of Pages: 116 No. of Claims: 33

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ULTRASONIC SURGICAL BLADE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61B17/32 :61/734636 :07/12/2012 :U.S.A. :PCT/US2013/072139 :27/11/2013 :WO 2014/088899 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati Ohio 45242 U.S.A. (72)Name of Inventor: 1)DIETZ Timothy G. 2)BALEK Stephen J. 3)BOYD Benjamin M. 4)DANNAHER William D. 5)GROENE David C. 6)HORTON III William C. 7)WITT David A. 8)VINS Benjamin V.
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#### (57) Abstract:

An ultrasonic instrument comprises an ultrasonic transducer an acoustic waveguide and an ultrasonic blade. The blade includes a pair of obliquely extending edges. The obliquely extending edges diverge away from the longitudinal axis of the waveguide and away from each other along respective paths extending distally in relation to the waveguide. A distal portion of the blade is wider than a proximal portion of the blade along a plane. The blade further includes a curved distal edge and several laterally presented surfaces. The laterally presented surfaces may provide combinations of concave and convex curvatures. The laterally presented surfaces may be angled and/or curved along one or more orthogonal planes associated with the longitudinal axis of the waveguide.

No. of Pages: 128 No. of Claims: 20

(21) Application No.4463/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PYRAZINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF NEUROLOGICAL DISORDERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/291,724 :31/12/2009 :U.S.A.	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant:LICHTSTRASSE 35, CH-4056 BASEL, SWITZERLAND Switzerland (72)Name of Inventor:  1)TINTELNOT-BLOMLEY MARINA 2)VEENSTRA SIEM JACOB
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#### (57) Abstract:

The invention relates to novel heterocyclic compounds of the formula (I) in which all of the variables are as defined in the specification, in free form or in salt form, to their preparation, to their medical use and to medicaments comprising them.

No. of Pages: 88 No. of Claims: 15

(21) Application No.4463/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: TIRE WITH BI DIRECTIONAL PERFORMANCE

(51) International :B60C11/03,B60C11/11,B60C11/12 classification

(31) Priority Document No :61/739320 (32) Priority Date :19/12/2012

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

(86) International Application :PCT/US2013/074038

:10/12/2013 Filing Date

(87) International Publication: WO 2014/099471

(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)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC Address of Applicant: 535 Marriott Drive Nashville Tennessee

37214 U.S.A.

(72) Name of Inventor:

1)DORFI Hans

2) REINHARDT Sharon

3)ASPER Robert

#### (57) Abstract:

A tire includes first and second sides defining first and second rotation directions. The first rotation direction is in a counterclockwise direction when the tire is viewed from the first side and the second rotation direction is in a clockwise direction when the tire is viewed from the first side. The tire further includes a carcass ply extending from a first bead portion to a second bead portion and a circumferential tread disposed above a belt. At least one of the circumferential tread and the carcass ply causes the tire to exhibit a first tire performance when the tire is rotated in the first rotation direction and a second tire performance that is different from the first tire performance when the tire is rotated in the second rotation direction. The tire performance is selected from the group consisting of braking dry driving traction wear performance and snow traction performance.

No. of Pages: 45 No. of Claims: 15

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# $(54) \ Title \ of \ the \ invention: 2,7-SUBSTITUTED \ THIENO[3,2-D] PYRIMIDINE \ COMPOUNDS \ AS \ PROTEIN \ KINASE \ INHIBITORS$

		(71)Name of Applicant:
(51) International classification	:C07D 495/04	1)KOREA INSTITUTE OF SCIENCE AND
(31) Priority Document No	:10-2009-0100867	TECHNOLOGY
(32) Priority Date	:22/10/2009	Address of Applicant :39-1, HAWOLGOK-DONG,
(33) Name of priority country	:Republic of Korea	SEONGBUK-GU, SEOUL 136-791, REPUBLIC OF KOREA
(86) International Application No	:PCT/KR2010/007093	Republic of Korea
Filing Date	:15/10/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/049332	1)SIM TAE BO
(61) Patent of Addition to Application	:NA	2)CHOI HWAN GEUN
Number	:NA :NA	3)HAH JUNG MI
Filing Date	.IVA	4)JUN EUN JIN
(62) Divisional to Application Number	:NA	5)LEE JUNG HUN
Filing Date	:NA	6)KIM HWAN
-		7)HAM YOUNG JIN

#### (57) Abstract:

Disclosed are a 2,7-substituted thieno[3,2-d]pyrimidine compound having a protein kinase inhibition activity, a pharmaceutically acceptable salt, and a pharmaceutical composition for prevention and treatment of diseases caused by abnormal cell growth comprising the compound as an effective ingredient. Since the novel 2,7-substituted thieno[3,2-d]pyrimidine compound exhibits superior inhibition activity against various protein kinases involved in growth factor signal transduction, it is useful as an agent for preventing or treating diseases caused by abnormal cell growth.

No. of Pages: 93 No. of Claims: 10

(21) Application No.4464/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: METHODS AND SYSTEMS FOR ORIENTING ARTICLES

:B65B35/30,B65B1/10 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)MULTISORB TECHNOLOGIES INC. :13/661674 (32) Priority Date :26/10/2012 Address of Applicant :325 Harlem Road Buffalo NY 14224 (33) Name of priority country :U.S.A. 1893 U.S.A. (86) International Application No :PCT/US2013/060143 (72) Name of Inventor: Filing Date :17/09/2013 1)KERKESLAGER Jason L. (87) International Publication No :WO 2014/065959 2)BRUG Mark (61) Patent of Addition to Application 3)KAMAS Brian D. :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An apparatus for orienting articles includes a bowl having a sidewall and angled relative to horizontal a disc disposed in the bowl and rotatable relative to the bowl the disc having a radius proximate its outer periphery defining a groove sized to receive one of the articles in a predetermined orientation and a diverter for diverting canisters contained in the groove through an outlet in the sidewall of the bowl.

No. of Pages: 21 No. of Claims: 18

(21) Application No.4502/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: TOPICAL OPHTHALMOLOGICAL PHARMACEUTICAL COMPOSITION CONTAINING **REGORAFENIB**

(51) International

:A61K9/00,A61K47/02,A61K47/06

classification (31) Priority Document No

:12198892.7

(32) Priority Date

:21/12/2012

(33) Name of priority country: EPO

(86) International Application :PCT/US2013/077358

No Filing Date

:21/12/2013

(87) International Publication :WO 2014/100797

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

Filing Date

(62) Divisional to Application Number

Filing Date

:NA

:NA :NA (71) Name of Applicant:

1)BAYER HEALTHCARE LLC

Address of Applicant: 100 Bayer Boulevard PO Box 915

Whippany New Jersey 07891 U.S.A.

(72) Name of Inventor:

1)B-TTGER Michael

2)VON DEGENFELD Georges

3)FREUNDLIEB Julia

4)HIRTH DIETRICH Claudia

5)KELDENICH Joerg

6)KLAR J¹/₄rgen

7)MUENSTER Uwe

8)OHM Andreas

9)RICHTER Annett

10)RIEDL Bernd

### (57) Abstract:

The present invention relates to topical ophthalmological pharmaceutical compositions containing regorafenib a hydrate solvate or pharmaceutically acceptable salt thereof or a polymorph thereof but without hydrophobic silica and its process of preparation and its use for treating ophthalmological disorders.

No. of Pages: 45 No. of Claims: 21

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TREATED FIBER REINFORCED FORM STABLE PHASE CHANGE

# (57) Abstract:

The present invention relates to a Reinforced Form Stable Phase Change Material (RFSPCM) and product thereof. Reinforcement with chemically treated fibers of polymer in Phase Change Material (PCM) matrix gives a uniform blend of a stable form. This Reinforced Form Stable Phase Change Material (RFSPCM) according to present invention is nontoxic in nature flexible has high latent heat and high tensile or tearing strength both above and below the melting point of Phase Change Material (PCM). Further the composition is so stable that it can easily be heated and cooled without leaking out its Phase Change Material (PCM). The present invention provides a simple Phase Change Material (PCM) product for user for providing stored heat that has improved safety and handling ability.

No. of Pages: 26 No. of Claims: 13

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SEQUENCE-SPECIFIC METHODS FOR HOMOGENOUS, REAL-TIME DETECTION OF LAMP PRODUCTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C12P 19/34 :61/258,404 :05/11/2009	(71)Name of Applicant:  1)BECTON, DICKINSON AND COMPANY Address of Applicant: 1 BECTON DRIVE FRANKLIN
(33) Name of priority country	:U.S.A.	LAKES, NJ 07417-1880 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/055392	
Filing Date	:04/11/2010	(72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application	:WO 2011/056933	1)NADEAU, JAMES G.
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Presented herein are methods and compositions for generating sequence-specific, secondary amplification products during Loop-mediated Isothermal Amplification (LAMP). Conventional LAMP produces a preponderance of high molecular weight DNA structures concatenated into self-complementary hairpins, which are not amenable to detection by routine probe-based hybridization methods, making multiplex detection of two or more targets or sequence variants in closed-tube formats extremely difficult. Provided herein, for example, are methods for generating secondary LAMP products bearing a fragment of the original target sequence embedded within low-molecular weight products that are devoid of competitive hairpin structures, the lack of which enhances probebased detection of target sequences. These secondary products can, for example, be produced in real-time, during the LAMP process, and can provide the option of detecting multiple target sequences within a single tube using, e.g., a homogenous, real-time fluorescence format.

No. of Pages: 84 No. of Claims: 30

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: A NEW COMPOSITION OF MICROWAVABLE PHASE CHANGE MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:F28D20/00 :3305/DEL/2012 :26/10/2012 :India :PCT/IB2013/002424 :31/10/2013 :WO 2014/064519 :NA :NA	3)NA 4)NA (72)Name of Inventor : 1)JAIN Samit
Number Filing Date	:NA	1)JAIN Samit 2)MEHTA Anil Kumar
(62) Divisional to Application Number Filing Date	:NA :NA	3)JAIN Devendra 4)KUMARI Suman

#### (57) Abstract:

The present invention provides a microwavable Phase Change Material and product thereof particularly the present invention relates to the field of microwave heating and use of microwave susceptor for providing heat to Phase Change Material. The invention provides a new process for preparing improved Phase Change Material which can be heated in a domestic microwave oven. The inventive composition comprises of a microwave susceptor which helps the Phase Change Material to melt within a few minutes depending upon the quantity of Phase Change Material taken. Microwave susceptor is at first uniformly mixed with some other material. The other material may be a highly conductive material or a slow susceptor. Then this composite is incorporated in a Phase Change Material. This susceptor composite initiates uniform melting of Phase Change Material when exposed to microwave irradiation. This microwavable Phase Change Material is free of sparking arcing and local overheating.

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

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR THE TREATMENT OF PARKINSON DISEASE BY THE SELECTIVE DELIVERY OF OLIGONUCLEOTIDE MOLECULES TO SPECIFIC NEURON TYPES

(51) International :A61K47/48,A61K31/7105,A61P25/16

classification .A01K47/46,

(31) Priority Document No :12382414.6 (32) Priority Date :26/10/2012

(33) Name of priority :EPO

country

(86) International Application No :PCT/EP2013/072410

Filing Date :25/10/2013

(87) International

Publication No :WO 2014/064257

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

(62) Divisional to
Application Number :NA
:NA

Filing Date

(71)Name of Applicant:

1)NLIFE THERAPEUTICS S.L.

Address of Applicant : Avda de la innovaci³n 1 nave 5 Edificio

Bic E 18100 Armilla Spain (72)Name of Inventor:

1)CARMONA OROZCO Maria del Carmen

2)MONTEFELTRO Andrs Pablo

3)ALVARADO Gabriel G.

4)VILA BOVER Miquel

5)BORTOLOZZI Analia

6)ARTIGAS P‰REZ Francesc

# (57) Abstract:

The invention provides a conjugate comprising(i) a selectivity agent which binds specifically to one or more neurotransmitter transporters selected from the group consisting of a dopamine transporter (DAT) serotonine transporter (SERT) or a norepinephrine transporter (NET) and (ii) a nucleic acid capable of specifically binding to a target molecule which is expressed in the same cell as the neurotransmitter transporter wherein said target molecule is a synuclein or the mRNA encoding a synuclein. The conjugates of the present invention are useful for the delivery of the nucleic acid to a cell of interests and thus for the treatment of diseases which require a down regulation of the protein encoded by the target nucleic acid as well as for the delivery of imaging agents to the cells for diagnostic purposes.

No. of Pages: 141 No. of Claims: 70

(21) Application No.4453/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: LYOPHILIZED PREPARATIONS OF MELPHALAN FLUFENAMIDE

(51) International (71)Name of Applicant: :A61K31/216,A61K9/19,A61K47/26 classification 1)ONCOPEPTIDES AB (31) Priority Document No :12512117 Address of Applicant :Fogdevreten 2A S 171 65 Solna (32) Priority Date :26/10/2012 Sweden (33) Name of priority (72) Name of Inventor: :Sweden country 1)SPIRA Jack (86) International 2) LEHMANN Fredrik :PCT/SE2013/051246 Application No :24/10/2013 Filing Date (87) International :WO 2014/065751 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 is directed to lyophilized pharmaceutical preparations comprising melphalan flufenamide or pharmaceutically acceptable salts thereof and sucrose. Further independent claims are directed to methods for their preparation compositions comprising the lyophilized pharmaceutical preparations and their use in the treatment of cancer.

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

(21) Application No.4455/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: EXPOSURE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:G02B 26/12 :10 2009 046 809.9 :18/11/2009 :Germany :PCT/EP2010/067010 :08/11/2010 :WO 2011/061086 :NA :NA	(71)Name of Applicant:  1)KLEO AG  Address of Applicant:BAHNHOFSTRASSE 2, CH-9050  APPENZELL, SWITZERLAND (CH) Switzerland (72)Name of Inventor:  1)OPOWER, HANS  2)JUNGER, KLAUS
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

It is suggested for an exposure system for generating exposed structures in a photosensitive layer arranged on an object, comprising an object carrier accommodating the object and an exposure device, wherein the object carrier and the exposure device can be moved relative to one another and wherein exposure spots can be generated on the photosensitive layer with the exposure device in a position controlled manner, wherein exposure beams exit from the exposure device, with each of which an exposure spot can be generated on the photosensitive layer by means of an imaging unit, that at least one first exposure unit generating a set of first exposure beams and at least one second exposure unit generating a set of second exposure beams be associated with the at least one deflecting element, the first and second exposure beams of these exposure units being deflectable by the same deflecting element during its movement, and that mirror surface areas for the first exposure beams and the mirror surface areas for the second exposure beams be arranged on the deflecting element so as to be offset relative to one another in the row direction.

No. of Pages: 50 No. of Claims: 44

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: APPLICATION SOFTWARE DISPLAYING METHOD AND DEVICE

(51) International classification :G06F3/048,G06F17/30 (71)Name of Applicant : (31) Priority Document No 1)XIAOMI INC. :201310147875.X (32) Priority Date :25/04/2013 Address of Applicant :Floor 13 Rainbow City Shopping Mall (33) Name of priority country of China Resources NO. 68 Qinghe Middle Street Haidian District :China (86) International Application No :PCT/CN2013/091003 Beijing 100085 China (72) Name of Inventor: Filing Date :31/12/2013 (87) International Publication No :WO 2014/173168 1)LUO Aibao (61) Patent of Addition to Application 2)FANG Liu :NA Number 3)FANG Yuan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Disclosed are an application software displaying method and device. The main content comprises: acquiring within a set time at least two parameter factors used for characterizing application information of application software obtaining a sequence factor of the application software through calculation according to the acquired at least two parameter factors and sequencing the application software according to the sequence factor and displaying the sequenced application software thereby not only avoiding a problem that a sequence of application software is moved backward caused by that a time factor causes an offset to a downloading amount of the application software but also avoiding a problem of inaccurate sequencing of the application software caused by malicious rating. Therefore practicability of the application software within a set time can be reflected truly efficiency for a user to choose the application software can be improved and network resources can be saved.

No. of Pages: 19 No. of Claims: 18

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: MULTIPLE SAMPLE PREPARATION FOR USE IN X RAY FLUORESCENCE SPECTROMETRY

(51) International (71)Name of Applicant: :G01N1/44,G01N23/223,G01G19/00 classification 1)GARCIA Jose Maria Las Navas (31) Priority Document No :13/711915 Address of Applicant :Navas Instruments 200 Earnhardt Street (32) Priority Date :12/12/2012 Conway SC 29526 U.S.A. (72) Name of Inventor: (33) Name of priority :U.S.A. country 1)GARCIA Jose Maria Las Navas (86) International :PCT/US2013/056480 Application No :23/08/2013 Filing Date (87) International :WO 2014/092818 **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 analyzer mixes the material to be analyzed and the flux in sample holders supported by a moveable platform within the furnace. A tilt member is provided having multiple stations. Each station has an upstanding pin offset from the center point of the station in a different direction. The platform is indexed relative to the tilt member such that the sample holder aligns with each station in sequence. As the sample holder aligns with each station the platform is moved toward the tilt member such that the pin of the aligned station abuts and tilts the sample holder in a different direction. The repeated tilting of the sample holder in different directions mixes the material and flux. The contents of the sample holder may also be agitated by rapidly moving the platform back and forth with sudden stops. The analyzer can be used with a special sample holder.

No. of Pages: 33 No. of Claims: 13

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: POLYPROPYLENE FOR USE IN MICROPOROUS FILMS

(51) International classification :C08F110/06,B01D71/26,C08F4/654

(31) Priority Document No :2012235478 (32) Priority Date :25/10/2012 (33) Name of priority

country :Japan

(86) International Application No :PCT/JP2013/078720

Filing Date :23/10/2013

(87) International :WO 2014/065331

Publication No :WO 2014/0

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

(71)Name of Applicant:

1)PRIME POLYMER CO. LTD.

Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)Name of Inventor:
1)YANAGISHITA Yoshio

2)SATOU Chikara 3)TAMURA Satoshi 4)OHTA Katsutoshi

#### (57) Abstract:

Filing Date

To provide polypropylene for use in microporous films which has excellent strength and heat resistance. [Solution] This polypropylene for use in microporous films which is characterized by fulfilling the conditions (1) and (2) below. (1) The weight average molecular weight (Mw) value according to gel permeation chromatography (GPC) is greater than or equal to 100 000 and less than 800 000 the value (Mw/Mn) obtained by dividing the weight average molecular weight by the number average molecular weight is greater than 7.0 and less than or equal to 12.0 and the value (Mz/Mn) obtained by dividing the Z average molecular weight by the weight average molecular weight is 3.8 9.0. (2) The mesopentad fraction measured by C NMR (nuclear magnetic resonance) is 95.5% or greater.

No. of Pages: 76 No. of Claims: 14

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BISPECIFIC EGFR/C MET ANTIBODIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07K16/00 :61/728912 :21/11/2012 :U.S.A. :PCT/US2013/071288 :21/11/2013 :WO 2014/081954 :NA :NA	(71)Name of Applicant:  1)JANSSEN BIOTECH INC. Address of Applicant:800/850 Ridgeview Drive Horsham Pennsylvania 19044 U.S.A. (72)Name of Inventor: 1)CHIU Mark 2)MOORES Sheri 3)NEIJSSEN Joost 4)PARREN Paul 5)SCHUURMAN Janine
(62) Divisional to Application Number Filing Date	:NA :NA	e)serre eza.nzr. gamme

#### (57) Abstract:

Bispecific EGFR/c Met antibodies and methods making and using the molecules. Epidermal growth factor receptor (EGFR ErbBI or HERI) is a Type I transmembrne glycoprotein of 170 kDa thai is encoded by the c erbBI proto oncogene. EGFR is a member of the human epidermal growth factor receptor (HER) family of receptor tyrosine kinases (RTK) which includes HER2 (ErbB2) HER3 (ErbB3) and HER4 (ErbB4). EGFR signaling is initiated by ligand binding followed by induction of conformational change homodimerization or heteromdimerization of the receptor with other ErbB family members.

No. of Pages: 428 No. of Claims: 65

(21) Application No.4511/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES

(51) International classification	:C12N 15/113	(71)Name of Applicant :
(31) Priority Document No	:61/288,137	1)NOVARTIS AG
(32) Priority Date	:18/12/2009	Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL
(33) Name of priority country	:U.S.A.	SWITZERLAND Switzerland
(86) International Application No	:PCT/EP2010/069917	(72)Name of Inventor:
Filing Date	:16/12/2010	1)HINKLE GREGORY
(87) International Publication No	:WO 2011/073326	2)KUCHIMANCHI SATYANARAYANA
(61) Patent of Addition to Application	:NA	3)MILSTEIN STUART
Number	:NA	4)WARMUTH MARKUS
Filing Date	.IVA	5)ZHOU WENLAI
(62) Divisional to Application Number	:NA	6)ZHU PING
Filing Date	:NA	7)ZIMMERMANN TRACY S.

# (57) Abstract:

The present disclosure relates to methods of treating heat shock factor 1 (HSF1)-related diseases such as cancer and viral diseases, using a therapeutically effective amount of a RNAi agent to HSF.

No. of Pages: 332 No. of Claims: 74

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: APPARATUS AND METHODS TO VISUALIZE FORMATION RELATED FEATURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:NA :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC.  Address of Applicant:10200 Bellaire Blvd. Houston Texas 77072 U.S.A. (72)Name of Inventor:  1)GUNER Baris 2)DONDERICI Burkay 3)WU Hsu Hsiang
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#### (57) Abstract:

Apparatus and methods to visualize formation properties and distances associated with formations can be implemented in a variety of applications. In various embodiments one or more visualization schemes and systems arranged to implement such schemes can use a combination of visual structures to provide information about measured formations. Additional apparatus systems and methods are disclosed.

No. of Pages: 48 No. of Claims: 49

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : (FUMARIC ACID DIESTER) (CINNAMIC ACID ESTER) COPOLYMER METHOD FOR PRODUCING SAME AND FILM PRODUCED USING SAME

(51) International classification :C08F222/14,C08F220/10,C08F290/06

(31) Priority Document No :2012259771

(32) Priority Date :28/11/2012

(33) Name of priority country :Japan

(86) International :PCT/JP2013/081678

Application No
Filing Date

FOR 1737 2013

:25/11/2013

(87) International Publication No :WO 2014/084178

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

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

(71)Name of Applicant:

1)TOSOH CORPORATION

Address of Applicant :4560 Kaisei cho Shunan shi Yamaguchi

7468501 Japan

(72)Name of Inventor:

1)KITAGAWA Takahiro

2)DOI Tohru

3)FUJII Yasuyoshi

4)SAKAGUCHI Kota

5)INUI Akira

6)ITO Masayasu

#### (57) Abstract:

Provided are: a novel (fumaric acid diester) (cinnamic acid ester) copolymer which is expected to keep strength thereof at an excellent level or can have excellent toughness when formed into a film and which has a high molecular weight; a method for producing the copolymer with high efficiency; and a film produced using the copolymer. The (fumaric acid diester) (cinnamic acid ester) copolymer contains a fumaric acid diester residue unit a cinnamic acid ester residue unit having a C alkyl group and a residue unit of a polyfunctional monomer having at least two radically polymerizable functional groups.

No. of Pages: 38 No. of Claims: 13

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AZILSARTAN ORGANIC AMINE SALTS, PREPARATION METHOD AND USE THEREOF

#### (57) Abstract:

Azilsartan organic amine salts, the preparation method and the use thereof are disclosed. Specially, azilsartan organic amine salts represented by formula (I), their preparation method, pharmaceutical compositions containing a therapeutically effective amount of said compounds and their use for preparing antihypertensive medicines are disclosed.

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

(21) Application No.4373/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEDIUM PROCESSING DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G07D9/00 :2012266259	(71)Name of Applicant: 1)OKI ELECTRIC INDUSTRY CO. LTD.
(32) Priority Date	:05/12/2012	Address of Applicant :1 7 12 Toranomon Minato ku Tokyo
(33) Name of priority country	:Japan	1058460 Japan
(86) International Application No	:PCT/JP2013/080829	(72)Name of Inventor:
Filing Date	:14/11/2013	1)IIZUKA Yuta
(87) International Publication No	:WO 2014/087826	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a medium processing device in which the usability can be improved. Specifically an automatic cash transaction device is provided with: a casing having a predetermined space in the interior and having an opening formed on at least one side surface; a unit casing housing a plurality of storages for storing banknotes and being provided so as to be capable of being housed in the casing and being pulled out along a pulling out direction through the opening to the exterior of the casing; and a reject storage container for housing a reject storage for housing banknotes the reject storage container being configured so as to be capable of being attached to and detached from the unit casing on the front side of the unit casing front surface plate on the forward end side of the unit casing with respect to the pulling out direction.

No. of Pages: 43 No. of Claims: 7

(21) Application No.4517/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RECOVERY OF GENOMIC DNA FROM REMNANT EXTRACTED SEED SAMPLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/68,G01N33/58 :61/735485 :10/12/2012 :U.S.A. :PCT/US2013/073826 :09/12/2013 :WO 2014/093204 :NA :NA :NA	(71)Name of Applicant:  1)AGRIGENETICS, INC. Address of Applicant:9330 Zionsville Rd., Indianapolis, Indiana 46268 U.S.A. (72)Name of Inventor: 1)RAPIER, Brandon 2)POWERS, Carol 3)STOLL, Christof
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#### (57) Abstract:

This disclosure concerns the isolation of nucleic acids (e.g., genomic DNA) from plant seed material that has been defatted. In some embodiments, such nucleic acids are of sufficient quality and abundance that they may be used in an amplification-based genetic analysis technique; for example and without limitation, to make selections in a plant breeding program.

No. of Pages: 92 No. of Claims: 28

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

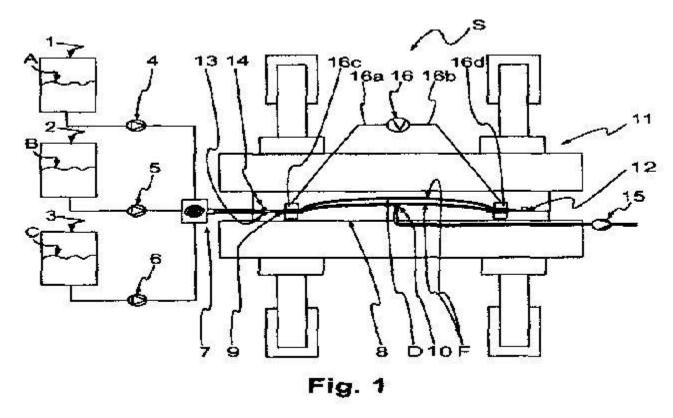
(43) Publication Date: 27/11/2015

# (54) Title of the invention: METHOD FOR PRODUCING A COMPOSITE MATERIAL

(51) International classification	:B29C 70/48	(71)Name of Applicant:
(31) Priority Document No	:0950790-6	1)R-IDEA AB
(32) Priority Date	:23/10/2009	Address of Applicant :VIRVELVAGEN 3, S - 232 36
(33) Name of priority country	:Sweden	ARLOV, SWEDEN Sweden
(86) International Application No	:PCT/EP2010/065988	(72)Name of Inventor:
Filing Date	:22/10/2010	1)BJORNHOV, TOBIAS
(87) International Publication No	:WO 2011/048216	2)LJUNGH, JACOB
(61) Patent of Addition to Application	:NA	3)OLSSON, RASMUS
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method according to an aspect of the invention comprises a step of bringing a plastic matrix substance in contact with a reinforcement fiber structure to form an intermediate material. Further, the method comprises a step of curing the matrix substance of the intermediate material to form a composite material. Before the plastic matrix substance is brought into contact with the reinforcement fiber structure, it is mixed with a diluent to form a mixture.



No. of Pages: 31 No. of Claims: 29

(21) Application No.4519/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : WATER SOLUBLE COATING FOR PROVISIONALLY COVERING AND PROTECTING SURFACES

<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>	:C09D129/04,C08J5/18,C09D5/20 :RM2012A000525 :31/10/2012 :Italy	(71)Name of Applicant: 1)CORTECCI Francesco Address of Applicant: Via Maria Domenica Brun Barbantini 53E I 00123 Roma Italy
(86) International Application No Filing Date (87) International Publication	:PCT/IT2013/000301 :31/10/2013	(72)Name of Inventor: 1)CORTECCI Francesco 2)GIANFREDA, Bruno
No	:WO 2014/068605	
(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 water-soluble coating for provisionally covering and protecting surfaces comprising 12-20% of polyvinyl alcohol, 73-79% of water, 0,5-3% of a glycol ether, 0,5-3% of an organic non-migrant plasticizer, from 0,05 to 3% of a thixotropic agent, 0-1% of a defoamer, 0-1% of a preservative, 0-0,2% of a dye, all percentages being expressed by weight.

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

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

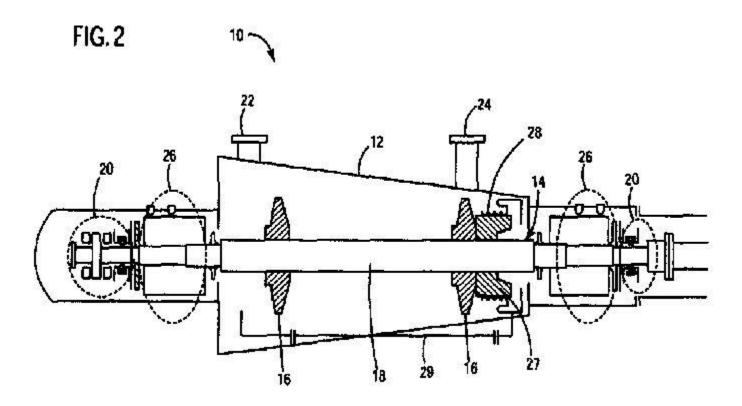
(43) Publication Date: 27/11/2015

# (54) Title of the invention: LOW EMISSION DRY GAS SEAL SYSTEM FOR COMPRESSORS

(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	:CO 2009A000051 :23/11/2009 :Italy :PCT/EP2010/067456 :15/11/2010 :WO 2011/061142 :NA :NA :NA	1)NUOVO PIGNONE S.P.A. Address of Applicant :VIA FELICE MATTEUCCI, 2 50127 FLORENCE (IT) Italy (72)Name of Inventor : 1)MEUCCI, STEFANO 2)SUSINI, PAOLO
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#### (57) Abstract:

Systems and methods according to these exemplary embodiments provide sealing mechanisms for centrifugal compressors. A sealing mechanism includes first, second and third dry gas seals arranged in series. Each seal receives its own sealing gas and has its own venting mechanism. Sealing gas pressures remain low enough that a dedicated compressor for supplying the sealing gases is not needed. Additionally, the risk of process gas being released into the atmosphere in case of seal failure is limited.



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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: UNSTRUCTURED RECOMBINANT POLYMERS AND USES THEREOF

(51) International classification	:A61K38/24	(71)Name of Applicant:
(31) Priority Document No	:60/743,410	1)AMUNIX, INC.
(32) Priority Date	:06/03/2006	Address of Applicant :500 Ellis Street - Suite B, Mountain
(33) Name of priority country	:U.S.A.	View, CA 94043 (US) U.S.A.
(86) International Application No	:PCT/US2007/005952	(72)Name of Inventor:
Filing Date	:06/03/2007	1)SCHELLENBERGER, Volker
(87) International Publication No	:WO2007/103515	2)WANG, Chia-Wei
(61) Patent of Addition to Application	:NA	3)SCHOLLE, Michael, D
Number	:NA	4)POPKOV, Mikhail
Filing Date	.IVA	5)GORDON, Nathaniel, C.
(62) Divisional to Application Number	:7905/DELNP/2008	6)CRAMERI, Andreas
Filed on	:19/09/2008	

#### (57) Abstract:

The present invention provides unstructured recombinant polymers (URPs) and proteins containing one or more of the URPs. The present invention also provides microproteins, toxins and other related proteinaceous entities, as well as genetic packages displaying these entities. The present invention also provides recombinant polypeptides including vectors encoding the subject proteinaceous entities, as well as host cells comprising the vectors. The subject compositions have a variety of utilities including a range of pharmaceutical applications.

No. of Pages: 135 No. of Claims: 50

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AQUEOUS COATING COMPOSITION

(51) International classification	:C09D 133/06	(71)Name of Applicant:
(31) Priority Document No	:61/287,251	1)E. I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:17/12/2009	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:U.S.A.	WILMINGTON, DELAWARE 19898, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/060469	(72)Name of Inventor:
Filing Date	:15/12/2010	1)FLOSBACH, CARMEN
(87) International Publication No	:WO 2011/084464	2)FIEBERG, ANDREAS
(61) Patent of Addition to Application	:NA	3)DREGER, KATHARINA
Number	:NA	4)KREMPLER, BARBARA
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention refers to an aqueous coating composition comprising A) at least one binder combination of Al) 60 to 90 wt% of at least one water- dilutable (meth) acrylate copolymer comprising a) 10 to 80 wt% of at least one reaction product of a monoepoxyester and an an unsaturated acid functional monomer, b) 0 to 40 wt% of at least one hydroxyl functional unsaturated monomer which is different from component a), c) 1 to 8 wt% of at least one unsaturated acid functional monomer, and d) 0 to 70 wt% of at least one other polymerisable unsaturated monomer, wherein the wt% of a), b), c) and d) are adding up to 100% by weight, and A2) 10 to 40 wt% of at least one water-dilutable epoxyester resin, wherein the binder combination is prepared by mixing together both the at least one binder Al) and A2) after their preparation and jointly neutralizing this mixture by adding the appropriate amount of a base and conversion into an aqueous dispersion, wherein the wt% of Al) and A2) are adding up to 100% by weight, and B) at least one isocyanate compound as cross - linking agent, wherein the wt% of components A) and B) are adding up to 100% by weight.

No. of Pages: 27 No. of Claims: 2

(21) Application No.4513/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A METHOD AND SYSTEM FOR AUTOMATED DIFFERENTIAL IRRIGATION

(51) International classification	:A01G25/16,G01N33/24	(71)Name of Applicant:
(31) Priority Document No	:603449	1)LANDCARE RESEARCH NEW ZEALAND LIMITED
(32) Priority Date	:06/11/2012	Address of Applicant :Gerald Street P.O. Box 40 Lincoln New
(33) Name of priority country	:New Zealand	Zealand
(86) International Application No	:PCT/NZ2013/000197	(72)Name of Inventor:
Filing Date	:06/11/2013	1)HEDLEY Carolyn Betty
(87) International Publication No	:WO 2014/073985	2)EKANAYAKE Jagath Chandralal
(61) Patent of Addition to Application	:NA	3)ROUDIER Pierre
Number	:NA	4)BENTWICH Itzhak
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses an automated method for optimizing irrigation whereby different parts of a field are irrigated different amounts based at least in part on an analysis of spatial soil properties of the field and extrapolation of data from soil sensors placed in the different parts of a field.

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

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

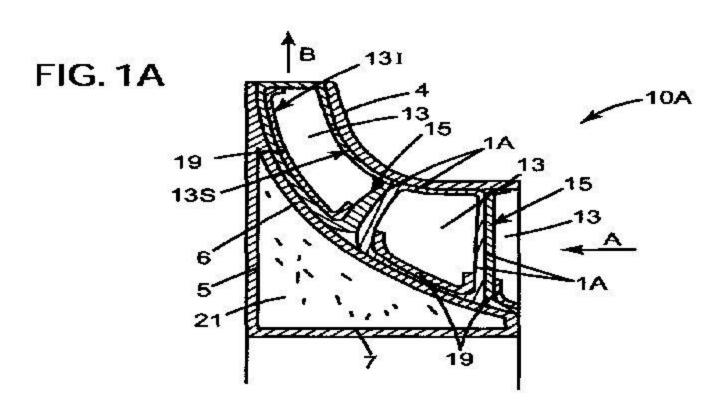
(43) Publication Date: 27/11/2015

# (54) Title of the invention: CENTRIFUGAL IMPELLER AND TURBOMACHINE

(51) International classification	:F04D 29/02	(71)Name of Applicant:
(31) Priority Document No	:CO2009A000049	1)NUOVO PIGNONE S.P.A.
(32) Priority Date	:23/11/2009	Address of Applicant :VIA FELICE MATTEUCCI, 2 50127
(33) Name of priority country	:Italy	FLORENCE (IT) Italy
(86) International Application No	:PCT/US2010/057623	(72)Name of Inventor:
Filing Date	:22/11/2010	1)GAINNOZZI, MASSIMO
(87) International Publication No	:WO 2011/063333	2)GIOVANNETTI, IACOPO
(61) Patent of Addition to Application	:NA	3)MASSINI, ANDREA
Number	:NA	4)AKSEL, BULENT
Filing Date	.11/1	5)LANAUD, CHRISTOPHE
(62) Divisional to Application Number	:NA	6)O'FLYNN, JULIAN
Filing Date	:NA	7)FINN, SCOTT

#### (57) Abstract:

A centrifugal impeller for a turbomachine characterized in that it comprises a plurality of aerodynamic vanes (13), each of them (13) having internal walls on which is associated a fabric element (1A; 1B; 1C; 4; 5; 6; 7; 37).



No. of Pages: 43 No. of Claims: 10

(21) Application No.4514/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: LIQUEFIED NATURAL GAS PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/12/2013 :WO 2014/116363 :NA :NA :NA	(71)Name of Applicant:  1)EXXONMOBIL UPSTREAM RESEARCH COMPANY Address of Applicant: CORP- URC SW359, P.O. Box 2189, Houston, TX 77252- 2189 U.S.A. (72)Name of Inventor: 1)OELFKE, Russell, H. 2)MILLER, Michael, R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Hydrocarbon processing systems and a method for liquefied natural gas (LNG) production are described herein. The hydrocarbon processing system includes a fluorocarbon refrigeration system configured to cool a natural gas to produce LNG using a mixed fluorocarbon refrigerant and a nitrogen rejection unit (NRU) configured to remove nitrogen from the LNG.

No. of Pages: 61 No. of Claims: 26

(22) Date of filing of Application :22/05/2012 (43) Pub

(43) Publication Date: 27/11/2015

# (54) Title of the invention: RESIN SUITABLE FOR CONSTRUCTION PURPOSES COMPRISING NORBORNENE FUNCTIONAL GROUPS AND THIOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C08F 283/00 :09177519.7 :30/11/2009 :EUROPEAN UNION :PCT/EP2010/068403 :29/11/2010 :WO 2011/064360 :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B.V.  Address of Applicant:HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS Netherlands (72)Name of Inventor:  1)JANSEN, JOHAN FRANZ GRADUS ANTONIUS 2)VAN DIJCK, MICHAEL ALPHONSUS CORNELIS JOHANNES 3)HENSEN, GUIDO JOSEPH ELISABETH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a thermosetting resin composition suitable for construction purposes comprising (i) a thiol, (ii) a resin containing at least one norbornene group and having a molecular weight Mn of at least 500 Dalton, and (iii) a methacrylate containing compound whereby the resin composition comprises methacrylate containing compound in an amount of at least 5 wt% and at most 75 wt%, whereby 100 wt.% is the sum of methacrylate containing compound and resin containing at least one norbornene group. The present invention further relates to a two-component resin system consisting of component A and component B, wherein one of the components (A) comprises a resin containing at least one norbornene group and a methacrylate containing compound, whereby component (A) contains methacrylate containing compound in an amount of at least 5 wt% and at most 75 wt%, whereby 100 wt.% is the sum of methacrylate containing compound and resin containing at least one norbornene group; and the other component (B) comprises a thiol and a peroxide.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: PRODUCTION OF NON-YEAST STEROLS BY YEAST

(71) T	G13N 0/03	(71)NJ PA 19
(51) International classification	:C12N 9/02	(71)Name of Applicant:
(31) Priority Document No	:09014988.1	1)DSM IP ASSETS B.V.
(32) Priority Date	:03/12/2009	Address of Applicant :HET OVERLOON 1, NL - 6411 TE
(33) Name of priority country	:EUROPEAN	HEERLEN, THE NETHERLANDS Netherlands
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/068127	1)HOHMANN, HANS-PETER
Filing Date	:24/11/2010	2)LEHMANN, MARTH
(87) International Publication No	:WO 2011/067144	3)MERKAMM, MURIEL
(61) Patent of Addition to Application	:NA	4)POMPON, DENIS
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to the production of 7-dehydrocholesterol, 25-hydroxy-7-dehydrocholesterol, and 25-hydroxy ergosterol in yeast such as Saccharomyces cerevisiae. It also related to various enzymes catalyzing the reduction of the double bond at position 24 of lanosterol, dimethyl zymosterol, methyl zymosterol, zymosterol, cholesta-7, 24-dienol, or cholesta-5,7,24-trienol; or the hydroxylation at position 25 of ergosterol, 7-dehydrocholesterol, cholesta-8-enol, and cholesta-7-enol. It also relates to various nucleic acids encoding cholesterol C25 -hydroxylases and sterol A24-reductases and their use to produce and hydroxylate 7-dehydrocholesterol or ergosterol. It also relates to the yeast strains so produced, and methods of making these sterols comprising the steps of cultivation a transformed yeast cell, and harvesting the resulting sterol(s).

Figure 14 AcetylCoA HMG1 ERG10 ERG13 Z Acetyl-CoA HMG-CoA Mevalon clacid Applicabetyl-CoA HMG-CoA 2 NADPH **ERG 12** Thlobase synthase IDI1 ERG19 Mevaloneta 5 ERG B Meva.onate 6 Dime Invally Isocentery rophosphale (IPF pyrophosphate phasphale ATP ATP Cytosol enelsups equalene ERG20 synthase Squelene Gerenyl Fernesyl **₹**G9] pyrophosphate pyrophospha!a lanosterol synthese ERG 24 (ERG7) ERG25/26 4.4-dimet'rvfchales 4-methyl 4.4-dimethy 14-sterol ta-8 14,24-the-ol zvmosterol zymostero demethylation ERG27/28 Ergostero zymosteral-24-ERG6 **A24-sterof** methyltransfer ERG5 ERG3 reductoase ERG2 Ergosts-5.7 24 ase Ergosta 5,7,72,24 Ergosts-7.24 (28)-Fecosterol (28) tetraand dieno (Episteroi) A8-7 isomerase episterol-5-DH ∆22 desaturase

No. of Pages: 63 No. of Claims: 13

(21) Application No.4516/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015

:NA

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD FOR MANUFACTURING A TURBINE ENGINE BLADE ROOT OF A COMPOSITE MATERIAL AND BLADE ROOT OBTAINED BY SUCH A METHOD

` '	n:D03D25/00,B29C70/24,F01D5/28	
(31) Priority Document No	:1261640	1)SNECMA
(32) Priority Date	:05/12/2012	Address of Applicant :2 boulevard du Gnral Martial Valin, F-
(33) Name of priority country	:France	75015 Paris France
(86) International Application		(72)Name of Inventor:
No	:PCT/FR2013/052925	1)ILLAND, Hubert
Filing Date	:03/12/2013	
(87) International Publication	:WO 2014/087093	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application	:NA	
Number	.IVA	

#### (57) Abstract:

Filing Date

The invention relates to a method for manufacturing a turbine engine blade root made of a composite material including a fibrous reinforcement compregnated by a mould, the method including forming one central fibrous strip (102) and two outer fibrous strips from three sets of layers of threads (Cio to C») connected to one another by three- dimensional weaving, the central strip passing through the two outer strips with the two outer strips crossing inside the central strip; removing portions of the outer strips which are external to the central strip by cutting; shaping the fibrous blank to obtain a preform having a main portion forming an integral blade root preform with two secondary portions (104a, 106a) forming bearing- surface preforms; and compregnating the preform. The invention also relates to a blade root obtained by such a method.

No. of Pages: 14 No. of Claims: 13

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

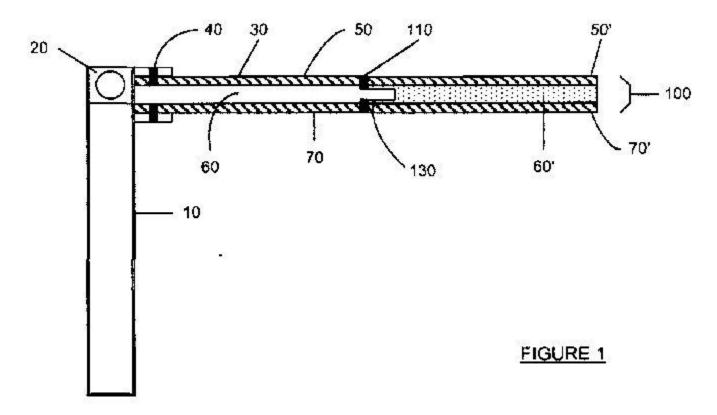
(43) Publication Date: 27/11/2015

# (54) Title of the invention: IMPACT RESISTANT FREIGHT CONTAINER

(51) International classification	:B65D 88/12	(71)Name of Applicant :
		1 ' '
(31) Priority Document No	:09178680.6	1)DSM IP ASSETS B.V.
(32) Priority Date	:10/12/2009	Address of Applicant :HET OVERLOON 1, NL - 6411 TE
(33) Name of priority country	:EUROPEAN	HEERLEN, THE NETHERLANDS Netherlands
(33) Traine of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/069364	1)WESSELS, RUDOLF MACHIEL
Filing Date	:10/12/2010	2)FIETEN, BRAM
(87) International Publication No	:WO 2011/070147	3)AMATO, LUCA
(61) Patent of Addition to Application	37.4	
Number	:NA	
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
1 111115 2 4110	** 17 *	

#### (57) Abstract:

The present invention relates to a freight container comprising a frame (10); an attachment point (20, 21, 22, 23) for a lifting device to attach to the container; and a wall, roof or floor comprising: an impact resistant portion (30, 30) proximal to the attachment point; and a portion (100,100), distal from the attachment point. The impact resistant portion (30, 30) has an impact energy resistance of at least 1.0 kilojoules and the modulus of elasticity of the distal portion (100,100) is at least 20% greater than the modulus of elasticity of the impact resistant portion.



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

(21) Application No.4368/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : TWO COMPONENT COMPOSITIONS CONTAINING TETRABASIC ZINC AMINO ACID HALIDE COMPLEXES AND CYSTEINE

(51) International classification :A61K8/27,A61K8/44,A61Q11/00 (71)Name of Applicant : (31) Priority Document No 1)COLGATE PALMOLIVE COMPANY :PCT/US2012/070489 (32) Priority Date :19/12/2012 Address of Applicant :300 Park Avenue New York New York (33) Name of priority country :U.S.A. 10022 U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/068860 1)LIU Zhiqiang :07/11/2013 Filing Date 2)PAN Long (87) International Publication 3)CONVERY Joseph :WO 2014/099167 No 4)YUAN Shaotang (61) Patent of Addition to 5)TRIVEDI Harsh M. :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

Provided are compositions e.g. oral and personal care products comprising (i) a tetrabasic zinc amino acid or trialkyl glycine halide complex and (ii) cysteine in free or in orally or cosmetically acceptable salt form together with methods of making and using the same.

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

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR PREPARING ACROLEIN FROM GLYCEROL OR GLYCERIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C0/C 45/52 :09/59276 :21/12/2009 :France	(71)Name of Applicant:  1)ADISSEO FRANCE S.A.S. Address of Applicant: IMMEUBLE ANTONY PARC II 10, PLACE DU GENERAL DE GAULLE FRANCE France 2)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3)UNIVERSITE LILLE I- SCIENCES ET TECHNOLOGIES (72)Name of Inventor: 1)PAUL, SEBASTIEN 2)KATRYNIOK, BANJAMIN 3)DUMEIGNIL, FRANCK 4)CAPRON, MICKAEL
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The invention relates to a method for preparing acrolein from glycerol or glycerin, according to which dehydration of glycerol or glycerin is carried out in the presence of a catalyst which consists in at least one silica modified with zirconium dioxide, titanium dioxide or tungsten trioxide or any combination of these oxides, and a heteropolyacid. This method may be used for making 3-(methylthio) propionic aldehyde (MMP), 2-hydroxy-4-methylthiobutyronitrile (HMTBN), methionine or its analogs, from acrolein.

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

(21) Application No.4369/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ZINC LYSINE COMPLEX

(51) International classification	:C07F3/06,A61Q15/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
(86) International Application No	:PCT/US2012/070498	(72)Name of Inventor:
Filing Date	:19/12/2012	1)PAN Long
(87) International Publication No	:WO 2014/098818	2)YUAN Shaotang
(61) Patent of Addition to Application	:NA	3)MATTAI Jairajh
Number	:NA	4)MASTERS James G.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides a zinc lysine complex having the formula  $[Zn(CHNO)Cl]Cl^{-}$  having antibacterial and antiperspirant properties together with personal care compositions comprising the complex and methods of making and using these complexes and compositions. The application discloses a general reaction for formation of such complexes by mixing a Zn source with Lysine in 1:2 ratio: ZnO + 2 (Lysine HCI) >  $[Zn(Lysine)Cl]Cl \cdot (HO)$ 

No. of Pages: 18 No. of Claims: 24

(21) Application No.4522/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PH INDICATOR DRESSING

:A61F13/84,A61F13/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SMITH & NEPHEW PLC :1317742.3 (32) Priority Date :08/10/2013 Address of Applicant :15 Adam Street London WC2N 6LA (33) Name of priority country U.K. :U.K. (86) International Application No :PCT/EP2014/071510 (72) Name of Inventor: Filing Date :08/10/2014 1)HICKS John Kenneth (87) International Publication No :WO 2015/052219 2)HAMMOND Victoria Jody (61) Patent of Addition to Application 3)RICHARDSON Mark :NA Number 4)MCCULLOCH Dorothy :NA Filing Date 5)HARTWELL Edward Yerbury (62) Divisional to Application Number :NA 6)SAXBY Carl Filing Date :NA

## (57) Abstract:

Disclosed herein are devices wound dressings and methods for determining the pH of wound exudate at a wound. Example devices include a device comprising a surface configured to contact the wound and a pH indicator applied to the surface wherein the pH indicator has a first colour prior to contact with the wound exudate and changes colour as a function of the pH of the wound exudate.

No. of Pages: 87 No. of Claims: 37

(21) Application No.4523/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PROCESS FOR MANUFACTURING POLYETHYLENE TEREPHTHALATE

(51) International :C08G63/00,C08G63/78,C08K5/49

classification

(31) Priority Document No :12008668.1 (32) Priority Date :29/12/2012

(33) Name of priority country: EPO

(86) International Application :PCT/EP2013/003621

:30/11/2013

Filing Date :WO 2014/101980

(87) International Publication

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(71)Name of Applicant:

1) CLARIANT INTERNATIONAL LTD

Address of Applicant :Rothausstrasse 61, CH-4132 Muttenz

(CH). Switzerland (72) Name of Inventor:

1)DONGIOVANNI Ernesto

2)SUPAT Korada

# (57) Abstract:

The invention relates to a process for producing a polyester resin said process comprises the steps of (i) providing a mixture of terephthalic acid monoethylene glycol a polycondensation catalyst which contains antimony a phosphorous containing stabilizer comprising a compound of the formula (I) and optionally a colour correction additive containing cobalt ions; (ii) heating said mixture to a temperature of 220 to 270 °C to provide bis hydroxyethylterephthalic acid ester; and (iii) performing polycondensation of said bis hydroxyethylterephthalic acid ester at a temperature of between 280 and 310 °C at reduced pressure.

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

:WO 2014/088782

:NA

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INDUSTRIAL GEAR OILS IMPARTING REDUCED GEARBOX OPERATING TEMPERATURES

(51) International (71)Name of Applicant: :C10M137/02,C10M141/10,C10M169/04 1)THE LUBRIZOL CORPORATION classification (31) Priority Document Address of Applicant :29400 Lakeland Blvd. Wicliffe Ohio :61/732546 44092 2298 U.S.A. (72) Name of Inventor: (32) Priority Date :03/12/2012 (33) Name of priority 1)VINCI James N. :U.S.A. country 2)AKUCEWICH Edward S. (86) International :PCT/US2013/070278 Application No :15/11/2013 Filing Date (87) International

## (57) Abstract:

Publication No

(61) Patent of Addition

to Application Number

Filing Date (62) Divisional to

**Application Number** 

Filing Date

The invention relates to improved industrial gear oil compositions that substantially reduce the operating temperature of a gearbox in which the gear oil compositions are used. The reduced operating temperature provided by the described compositions leads to improved equipment performance. The invention also relates to methods of making the described industrial gear oil compositions and methods of using the same.

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

(21) Application No.4387/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: UNDERWEAR TYPE DIAPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61F13/496 :2013021829 :06/02/2013 :Japan :PCT/JP2014/051044 :21/01/2014 :WO 2014/122980 :NA :NA	(71)Name of Applicant:  1)UNICHARM CORPORATION  Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo shi Ehime 7990111 Japan (72)Name of Inventor:  1)FUKUZAWA Masumi 2)MASAKI Shunsuke
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is an underwear type diaper that fits the shape of an infant under half a year old and that is such that gather marks are not easily imparted. The underwear type diaper (10) is provided with: a front waist region (18) and back waist region (19) that have a horizontal direction (X) and a vertical direction (Y) that are perpendicular to each other; a crotch region (13) joined to the front and back waist regions; and a leg cuff (40) that extends along both edges of the crotch region (13). Each of a front and a back waist panel is segmented into a first extending/contracting region (26) and a second extending/contracting region (27) the ratio of the dimensions in the vertical direction of the first extending/contracting region and the second extending/contracting region is in the range of 1:1.6 2.2 the elongation rate of the waist elastic body (30) attached to the first extending/contracting region is lower than the elongation rate of the waist elastic body attached to the second extending/contracting region and the elongation rate of the waist elastic body attached to the second extending/contracting region is lower than the elongation rate of a second leg elastic body (42).

No. of Pages: 50 No. of Claims: 6

(21) Application No.4388/DELNP/2012 A

(19) INDIA

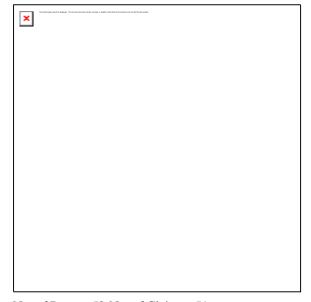
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INTERGRATED MULTI-MATERIAL IMPLANTS AND METHODS OF MANUFACTURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A61F 2/28 :61/291,126 :30/12/2009 :U.S.A. :PCT/US2010/062198	(71)Name of Applicant: 1)SYNTHES GMBH Address of Applicant:EIMATTSTRASSE 3, CH-4436, OBERDORF, SWITZERLAND Switzerland (72)Name of Inventor:
(86) International Application No Filing Date	:PC1/US2010/062198 :28/12/2010	(/2)Name of Inventor: 1)LECHMANN, BEAT
(87) International Publication No	:WO 2011/082152	2)SCHMIDLI, DIETER
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	3)FRIGG, ROBERT 4)NARDINI, RETO
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided are methods and systems for fabricating multimaterial bodies in a layer-wise fashion, which bodies may be used bone-stabilizing implants. The multimaterial bodies include rigid and flexible portions that are integrally formed with one another. The multimaterial bodies may be softened or stiffened in specific areas



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

(21) Application No.4388/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM FOR TREATING WORKPIECES

(51) International classification	:B08B3/04	(71)Name of Applicant:
(31) Priority Document No	:10 2013 203 059.2	1)DRR ECOCLEAN GMBH
(32) Priority Date	:25/02/2013	Address of Applicant: M1/4hlenstrasse 12 70794 Filderstadt
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2014/053632	(72)Name of Inventor:
Filing Date	:25/02/2014	1)K,,SKE Egon
(87) International Publication No	:WO 2014/128307	
(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 system (10) for treating workpieces (14) with a process fluid in a flooding chamber (12). The system has a container (18) for providing the process fluid. According to the invention the system (10) also contains a process fluid delivery line (16) which connects the container (18) to the flooding chamber (12) in order to supply the process fluid.

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

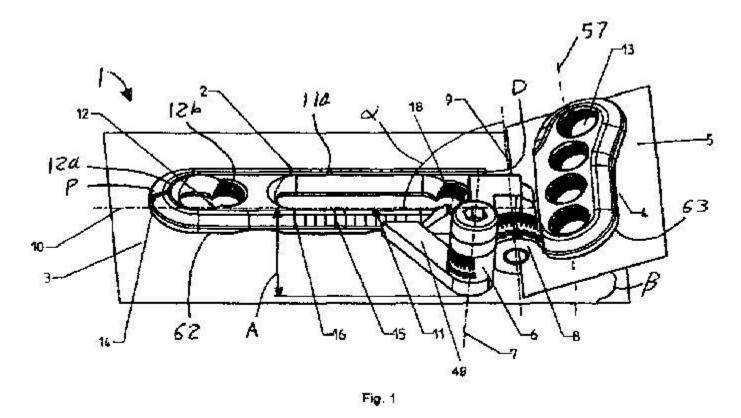
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DRILL GUIDE SYSTEM

(51) International classification	:A61B 17/17	(71)Name of Applicant:
(31) Priority Document No	:61/285,755	1)SYNTHES GMBH
(32) Priority Date	:11/12/2009	Address of Applicant :EIMATTSTRASSE 3, CH - 4436,
(33) Name of priority country	:U.S.A.	OBERDORF, SWITZERLAND Switzerland
(86) International Application No	:PCT/US2010/054669	(72)Name of Inventor:
Filing Date	:29/10/2010	1)APPENZELLER, ANDREAS
(87) International Publication No	:WO 2011/071611	2)NAGY, LADISLAV
(61) Patent of Addition to Application	:NA	3)SCHWEIZER, ANDREAS
Number	:NA	4)FLURI, DANIEL
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A drill guide includes a first bone plate that extends along a first middle plane, and a second bone plate that extends along a second middle plane. The drill guide further includes a first articulation and a second articulation that is connected to the first articulation. The first and second articulations are arranged between the first and the second bone plate. Each of the first and second articulations is releasably lockable.



No. of Pages: 38 No. of Claims: 29

(22) Date of filing of Application :26/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: A FASTENING SYSTEM DEVELOPED FOR INSTALLATION OF THE TOILET SEAT & COVERS AND HINGE SYSTEMS USED IN THE TOILET SEAT & COVERS TO THE SANITARYWARE PRODUCT SURFACES

:A47K13/26,F16B13/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ECZACIBASI YAPI GERE‡LERI SANAYI VE :2013/00406 (32) Priority Date TICARETANONIM SIRKETI :11/01/2013 (33) Name of priority country Address of Applicant :B¹/₄y¹/₄kdere Cad. Ali Kaya Sok. No:7 :Turkey :PCT/TR2013/000334 (86) International Application No Levent 34394 Istanbul Turkey (72)Name of Inventor: Filing Date :01/11/2013 (87) International Publication No :WO 2014/109721 1)SARIG-L S1/aleyman Vedat (61) Patent of Addition to Application 2)SAMAV Ugur :NA Number 3)BALTA H1/4seyin

Filing Date

(62) Divisional to Application Number

Filing Date

:NA

Filing Date

:NA

(57) Abstract:

The present invention relates to a fastening system and installation method of said system used for installation of the hinge systems used in the toilet seat & covers and thus for the toilet seat & covers to the sanitaryware products wherein the fastening system allows for easy installation of toilet seat & covers from the upper surface of the sanitaryware products and comprises a spider type fastening element enabling the hinge system to resist against loosening under dynamic loads. The fastening system according to the present invention comprises a fastener screw (1) a washer (2) a pivot nut (3) and a spider type fastening element (4). In the fastening system according to the present invention the spider fastening element (4) after being rotated in the pivot nut (3) axis is passed through the mounting hole (6) disposed on the sanitaryware product surface tightening is carried in such a manner that the legs (8) of the spider fastening element (4) touch to the sanitaryware product lower surface and fixing is provided. The lugs (15) positioned on the fastening element (4) also provide a well supported assembly by fixing the pivot nut (3) and preventing the pivot nut (3) from dropping down.

No. of Pages: 16 No. of Claims: 11

(21) Application No.4391/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: IMPROVED SOYBEAN TRANSFORMATION FOR EFFICIENT AND HIGH THROUGHPUT TRANSGENIC EVENT PRODUCTION

(51) International classification :A01H4/00,A01H1/06,C12N15/82 (71)Name of Applicant:

(31) Priority Document No :61/739349 (32) Priority Date :19/12/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/076230

:18/12/2013 Filing Date

(87) International Publication

:WO 2014/100234

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)DOW AGROSCIENCES LLC

Address of Applicant :9330 Zionsville Rd. Indianapolis

Indiana 46268 U.S.A. (72) Name of Inventor:

1)PAREDDY Davakar

2) CHENNAREDDY Sivarama R.

3)MINNICKS Tatyana 4)KARPOVA Olga 5)GRIFFIN David

6)SAMUEL Jayakumar P.

7)SMITH Kellev A.

8)SARRIA MILLAN Rodrigo 9)MALL Tejinder Kumar

### (57) Abstract:

A method is disclosed for the Agrobacterium mediated germline transformation of soybean comprising infecting split soybean seeds with a portion of the embryonic axis with Agrobacterium tumefaciens containing a transgene. The method can further comprise regenerating the explants produced from the transformation of the split soybean seeds comprising a portion of embryonic axis in vitro on selection medium.

No. of Pages: 58 No. of Claims: 22

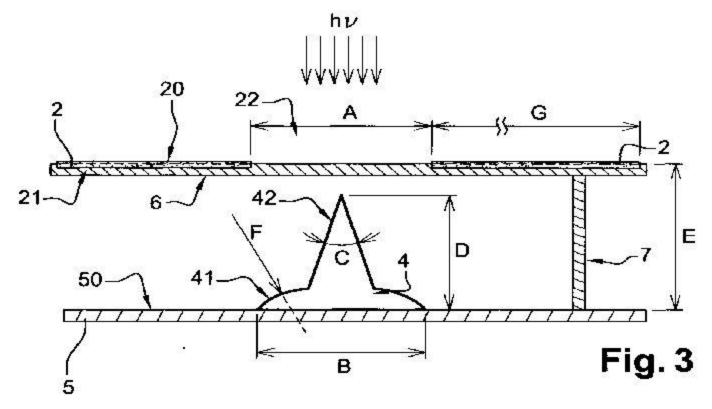
(22) Date of filing of Application: 18/05/2012 (43) Publication Date: 27/11/2015

## (54) Title of the invention: REFLECTIVE DEVICE FOR A PHOTOVOLTAIC MODULE WITH BIFACIAL CELLS

(51) International classification (31) Priority Document No (32) Priority Date (32) No. 100 Priority Date (33) No. 100 Priority Date (33) No. 100 Priority Date (34) No. 100 Priority Date (35) No. 100 Priority Date (36) No. 100 Priority Date (37) No. 100 Priority Date (37) No. 100 Priority Date (38) No. 100 Priority Date (38) No. 100 Priority Date (39) No. 100 Priority Date (31) Priority Date (31) Priority Date (32) Priority Date (32) Priority Date (33) Priority Date (34) Priority Date (35) Priority Date (36) Priority Date (37) Priority Date (38) Priority Date (38) Priority Date (39) Priority Date (39) Priority Date (30) Priority Date (30) Priority Date (30) Priority Date (31) Priority Date (32) Priority Date (32) Priority Date (33) Priority Date (34) Priority Date (35) Priority Date (36) Priority Date (37) Priority Date (38) Priority Dat	:H01L 31/052 :0958914 :14/12/2009	(71)Name of Applicant: 1)COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
<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 Filing Date</li> </ul>	:France :PCT/FR2010/052664 :10/12/2010 :WO 2011/080442 :NA :NA :NA	Address of Applicant :25, RUE LEBLANC, BATIMENT LE PONANT D, 75015 PARIS FRANCE France (72)Name of Inventor:  1)SANZONE VINCENZO 2)GERRITSEN ERIC 3)THONY PHILIPPE

#### (57) Abstract:

This reflective device for a photovoltaic module formed by a plurality of bifacial photovoltaic cells (2) or rows of said cells spaced apart from one another, each cell (2) having an active front face (20) and an active rear face (21) that can capture photons from incident light rays falling on said front (20) and rear (21) faces, comprises at least one reflective module (4) to be placed under the cells (2) substantially in line with the gap(s) (22) separating two adjacent cells (2) or two rows of adjacent cells. This reflective module (4) comprises: a first portion (41) of which the surfaces facing the gap (22) have a first curvature such as to send all or part of the incident photons towards the rear face (21) of the cells (2); and a second portion (42) mounted on the first portion (41), of which the surfaces facing the gap (22) have a second curvature such as to send all or part of the incident photons towards the rear face (21) of the cells (2), the second curvature being different from the first curvature.



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

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MATERIALS AND METHODS FOR THERMAL AND ELECTRICAL CONDUCTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:05/11/2010 :WO 2011/057105 :NA :NA :NA	(71)Name of Applicant:  1)THE UNIVERSITY OF AKRON Address of Applicant: 320 BUCHTEL COMMON, AKRON OHIO 44325, USA U.S.A. (72)Name of Inventor: 1)ALI DHINOJWALA 2)SUNNY SETHI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method of implementing a carbon nanotube thermal interface material onto a heat sink that includes growing carbon nanotubes on said heat sink by chemical vapor deposition and compressing the carbon nanotubes onto metallic surfaces to increase a contact surface area between the carbon nanotubes and the metallic surfaces. The increase in the contact surface area is the area of the carbon nanotubes that is in contact with the metallic surfaces.

No. of Pages: 27 No. of Claims: 3

(21) Application No.4538/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BUCKLING SPRING MEMBER FOR CLUTCH MECHANISM

(51) International classification :F16D23/14,F16D25/06,F16D25/0638

(31) Priority Document No :61/725467

(32) Priority Date :12/11/2012

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

(86) International :PCT/US2013/068246

Application No :04/11/2013

Filing Date (87) International

Publication No :WO 2014/074439

(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)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor: 1)QIN Shiwei

# (57) Abstract:

Buckling spring member particularly for use with a friction clutch mechanism for dual mode water pumps. The buckling spring member is made from a thin piece of a metal material and has a circular configuration. The center portion of the spring member is concave with a plurality of openings and spokes. The openings are preferably heart shaped. The inner and outer rings are substantially planar and provide rigidity. The friction clutch mechanism and buckling spring mechanism are preferably used for dual mode coolant pumps with two modes of operation namely an electric motor operation and a mechanical pulley driven operation.

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

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HONEYCOMB BODY U-BEND MIXERS

(51) International classification	:B01F 5/06	(71)Name of Applicant:
(31) Priority Document No	:61/265,354	1)CORNING INCORPORATED
(32) Priority Date	:30/11/2009	Address of Applicant :1 RIVERFRONT PLAZA CORNING,
(33) Name of priority country	:U.S.A.	NEW YORK 14831, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT/US2010/057725	(72)Name of Inventor:
Filing Date	:23/11/2010	1)SIDDARTH BHOPTE
(87) International Publication No	:WO 2011/066247	2)JAMES S. SUTHERLAND
(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 honeycomb extrusion body is provided having multiple cells extending along a common direction from a first end of the body to a second end and separated by cell walls, the body having at least one fluid path defined within a plurality of said cells, the fluid path having including at least one direction-reversing bend at which the path on entering the bend includes two or more separate cells and at which the path on leaving the bend includes only one cell. The body desirably includes first and second input ports, the first fluid input port being in fluid communication with one of the two or more separate cells and the second fluid input port being in fluid communication with another of the two or more separate cells.

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

(21) Application No.4399/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BRASSICA PLANTS COMPRISING MUTANT FAD3 ALLELES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12N 9/02 :61/263042 :20/11/2009 :U.S.A. :PCT/EP2010/007028 :19/11/2010 :WO 2011/060946 :NA :NA	(71)Name of Applicant:  1)BAYER CROPSCIENCE N.V. Address of Applicant: J.E. MOMMAERTSLAAN 14, BE- 1831 DIEGEM, BELGIUM Belgium (72)Name of Inventor: 1)BENJAMIN LAGA 2)PETER DENOLF
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to Brassica plants comprising mutant FADS alleles, FADS nucleic acid sequences and proteins, as well as methods for generating and identifying said plants and alleles, which can be used to obtain seed oil with a reduced alpha-linolenic acid content.

No. of Pages: 130 No. of Claims: 17

(21) Application No.4399/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROFILING DATA WITH SOURCE TRACKING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F17/30 :61/716766	(71)Name of Applicant: 1)AB INITIO TECHNOLOGY LLC
(32) Priority Date	:22/10/2012	Address of Applicant :201 Spring Street Lexington
(33) Name of priority country	:U.S.A.	Massachusetts 02421 U.S.A.
(86) International Application No	:PCT/US2013/053351	(72)Name of Inventor:
Filing Date	:02/08/2013	1)ANDERSON Arlen
(87) International Publication No	:WO 2014/065917	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	NIA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Profiling data includes accessing multiple collections of records to store quantitative information for each particular collection including for at least one selected field of the records in the particular collection a corresponding list (300A 300C) of value count entries each including a value appearing in the selected field and a count of the number of records in which the value appears. Processing the quantitative information of two or more collections includes: merging (302) the value count entries of corresponding lists for at least one field from each of a first collection and a second collection to generate a combined list (304) of value count entries and aggregating (306) value count entries of the combined list of value count entries to generate a list (308) of distinct field value entries identifying a distinct value and including information quantifying a number of records in which the distinct value appears for each of the two or more collections.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ALUMINUM PHOSPHATE COMPOSITE MATERIALS AND COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/708810 :07/12/2012 :U.S.A.	(71)Name of Applicant:  1)BUNGE AMORPHIC SOLUTIONS LLC Address of Applicant:50 Main Street White Plains New York 10606 U.S.A. (72)Name of Inventor: 1)LEWARCHIK Ronald James 2)FOSCANTE Raymond E.
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#### (57) Abstract:

AlP composite materials comprise an AlP aggregate core and a shell disposed partially or entirely over the core and formed from a pigment material e.g. TiO having an index of refraction greater than the core providing an overall index or refraction greater than the core and suited for use as a pigment replacement or extender. The AlP core comprises amorphous AlP crystalline AlP or a combination thereof and can have an average particle size of less than about 30 microns. The TiO can have an average grain size less than about 10 microns. The shell can have a layer thickness that is at least about 0.0001 microns. The shell is bonded to the core by a reaction between functional groups of the shell and core. The AlP composite material can be engineered to provide properties in addition to brightness for use as a pigment such as anticorrosion and/or antimicrobial protection.

No. of Pages: 21 No. of Claims: 44

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CATALYTIC CONVERTER AND METHOD FOR DESIGNING THE CATALYTIC CONVERTER

(51) International classification: F01N3/28,B01D53/86,B01J35/04 (71) Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA (31) Priority Document No :2014011106 (32) Priority Date :24/01/2014 Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 (33) Name of priority country :Japan Japan (86) International Application (72) Name of Inventor: :PCT/JP2014/084201 No 1)AOKI Yuki :16/12/2014 Filing Date 2)FUJIWARA Takahiko (87) International Publication 3)KAYANUMA Ryosuke :WO 2015/111352 4)YABUZAKI Yuji (61) Patent of Addition to 5)HAYASHI Naohiro :NA **Application Number** 6)MATSUBARA Hiroyuki :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A catalytic converter capable of uniformizing an exhaust gas flow velocity to realize uniform temperature distribution and improved purification performance and a method for designing the catalytic converter. A catalytic converter includes a catalyst base composed of an inner base material part having inner cell holes and an outer base material part having outer cell holes and an exhaust pipe composed of an upstream side pipe a catalyst housing pipe and a downstream side pipe. In the catalytic converter a flow path cross sectional area of the upstream side pipe defined as S1 a cross sectional area of the inner base material part defined as S2 a cross sectional area of the catalyst base defined as S3 a hydraulic diameter of the inner cell holes defined as d1 and a hydraulic diameter of the outer cell holes defined as d2 satisfy the relationship S1 = S2 = S3 ( 0.2242(d1/d2) + 0.1141(d1/d2) + 0.617).

No. of Pages: 25 No. of Claims: 3

(21) Application No.4533/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: USE OF A DHA ESTER FOR PROPHYLACTIC AND/OR CURATIVE TREATMENT OF **DREPANOCYTOSIS**

(51) International :A61K31/232,A61K31/34,A61K31/4406 classification

:France

:NA

(31) Priority Document

:1261291

(32) Priority Date :27/11/2012

(33) Name of priority country

(86) International

:PCT/EP2013/074863 Application No

:27/11/2013 Filing Date

(87) International

:WO 2014/083059 **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)PIERRE FABRE MEDICAMENT

Address of Applicant :45 place Abel Gance F 92100 Boulogne

Billancourt France

(72) Name of Inventor: 1)CAUBERE Jean Paul

2)LANTOINE ADAM Frdrique

#### (57) Abstract:

The present invention relates to a docosahexaenoic acid ester including an alcohol selected from among the group made up of nicotinol panthenol inositol isosorbide and isosorbide mononitrate or one of the pharmaceutically acceptable salts enantiomers diastereoisomers or mixtures thereof including racemic mixtures for the use thereof as a drug for the prophylactic and/or curative treatment of drepanocytosis.

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :23/05/2012

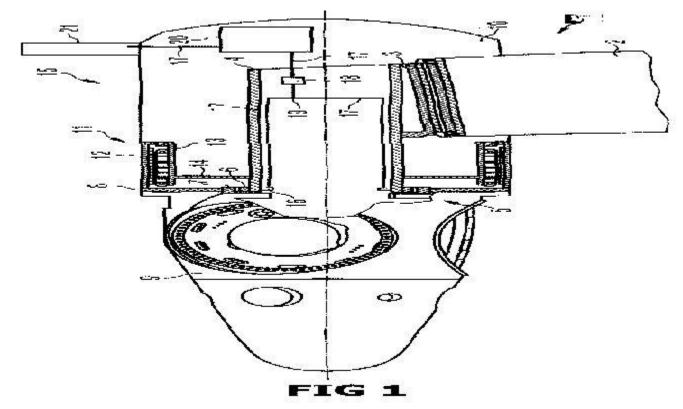
(43) Publication Date: 27/11/2015

# (54) Title of the invention: DIRECT DRIVE WIND TURBINE WITH A COOLING SYSTEM

(51) International classification	:F03D 11/00	(71)Name of Applicant:
(31) Priority Document No	:10000194	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:11/01/2010	Address of Applicant :WITTELSBACHERPLATZ 2 80333,
(33) Name of priority country	:EPO	MUNCHEN, GERMANY Germany
(86) International Application No	:PCT/EP2010/053986	(72)Name of Inventor:
Filing Date	:26/03/2010	1)ERIKSEN; UFFE
(87) International Publication No	:WO 2011/082836	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A direct drive wind turbine with a cooling system (15) has a generator (11) with a rotor (12) and a stator (13) and a bearing (5) with an inner ring (6) and an outer ring (7) connecting the rotor (12) and the stator (13) rotatively. The cooling system (15) comprises at least one heat sink (16) which is in thermal communication with the inner ring (6) of the bearing (5) and a heat dissipater (21) which is in thermal communication with the heat sink (16).



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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FIBER OPTIC CONNECTOR WITH FIELD INSTALLABLE OUTER CONNECTOR HOUSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G02B6/38 :61/731838 :30/11/2012 :U.S.A. :PCT/US2013/072018 :26/11/2013 :WO 2014/085462 :NA :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS CORPORATION Address of Applicant:1050 Westlakes Drive Berwyn PA 19312 U.S.A. (72)Name of Inventor: 1)MULLANEY Julian S.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An optical connector includes a first sub assembly that is factory installed to a first end of an optical fiber and a second sub assembly that is field installed to the first end of the optical fiber. The optical fiber and first sub assembly can be routed through a structure (e.g. a building) prior to installation of the second sub assembly. The second sub assembly interlocks with the first sub assembly to inhibit relative axial movement therebetween. Example first sub assemblies include a ferrule a hub and a strain relief sleeve that mount to an optical fiber. Example second sub assemblies include a mounting block; and an outer connector housing forming a plug portion.

No. of Pages: 22 No. of Claims: 20

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SUPERFINE FIBER ARTIFICIAL LEATHER AND PREPARATION METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D06N 3/14 :201010539516.5 :11/11/2010 :China :PCT/CN2011/000055 :13/01/2011 :WO 2012/062020 :NA :NA :NA	(71)Name of Applicant: 1)TANG, WEIREN Address of Applicant: NO. 3 YAOJIALU, INDUSTRIAL PARK, GOU VILLAGE, LIANGZHU TOWN, YUHANG DISTRICT, HANGZHOU 311113, CHINA China (72)Name of Inventor: 1)TANG, WEIREN
Filing Date	:NA	

#### (57) Abstract:

This Invention relates to a kind of microfiber artificial leather and its manufacturing methods, namely, adopting double-pile weaving process, taking highly-strengthened filament {or other filament) as ground warp and ground weft, using sea-island polyester microfiber or other microfiber as pile warp, adopting the V-shaped or W-shaped consolidation to weave into three-dimensional fabric, and then accepting padding of polyurethane resins, alkali treatment, sanding, dyeing and finishing. The artificial leather related in this Invention features delicate surface piles, high density, strong cortical feeling, good wear resistance, dimensional stability, good moisture permeability, good color fastness, and excellent mechanical properties, so it can be used as garment leather, shoe upper leather, car interior materials, furniture leather and so on.

No. of Pages: 14 No. of Claims: 13

(21) Application No.4535/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

:NA

:NA

# (54) Title of the invention : SUPPLEMENTAL AIR COOLING SYSTEM AND AIR PRESSURE OIL SEALING SYSTEM FOR ELECTRICAL TURBOCOMPOUND MACHINE

:F01D25/12,F02B39/00 | (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BORGWARNER INC. :61/725150 (32) Priority Date Address of Applicant: Patent Department 3850 Hamlin Road :12/11/2012 (33) Name of priority country Auburn Hills Michigan 48326 U.S.A. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/068228 Filing Date :04/11/2013 1)BUCKING Michael (87) International Publication No :WO 2014/074433 (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

An electrically assisted turbocharger (10) includes an air cooling system for cooling an electric motor (52) housed within a motor chamber (54) in a bearing housing (12). An inlet volute (76) is formed in the bearing housing (12) on a first side of the electric motor (52) and an outlet volute (78) is formed in the bearing housing (12) on a second side of the electric motor (52) opposite from the inlet volute (76). The inlet volute (76) accelerates cooling air that is fed into the inlet volute (76) and directs the cooling air into the motor chamber (54). The cooling air travels in an axial direction through the motor chamber (54) from the inlet volute (76) to the outlet volute (78) thereby cooling the electric motor (52). The outlet volute (78) decelerates the cooling air and directs the cooling air out of the motor chamber (54).

No. of Pages: 17 No. of Claims: 15

(62) Divisional to Application Number

(21) Application No.4405/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD OF MAKING A MYCOPLASMA VACCINE

(31) Priority Document No (32) Priority Date	:C12R1/35,A61K39/02,C12N1/20 :61/746997 :28/12/2012	(71)Name of Applicant:  1)BOEHRINGER INGELHEIM VETMEDICA GMBH Address of Applicant: Binger Strasse 173 55216 Ingelheim am
(33) Name of priority country	:U.S.A.	Rhein Germany
(86) International Application No Filing Date	:PCT/US2013/076807 :20/12/2013	<ul><li>(72)Name of Inventor:</li><li>1)JORDAN Dianna M. Murphy</li><li>2)MARTINSON Brian Thomas</li></ul>
(87) International Publication No	:WO 2014/105672	3)MUEHLENTHALER Christine Margaret 4)NEUBAUER Axel
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)IYER Arun V.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a method for the preparation of an immunogenic composition for the treatment and/or prophylaxis of mycoplasma infections in a subject comprising the cultivation of mycoplasma bacteria in a serum reduced or swine serum free eukaryotic cell system; obtaining an antigen of the mycoplasma bacteria; and addition of a pharmaceutically acceptable carrier. Further the present invention relates to the immunogenic composition obtainable by said method and a method for immunizing a subject comprising the administration of said immunogenic composition to a subject.

No. of Pages: 41 No. of Claims: 22

(21) Application No.4541/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WING AND APPLICATION THEREOF

(51) International classification :B63H9/04,B63H9/06,B63H9/08 (71)Name of Applicant :

(31) Priority Document No :2012/08969 (32) Priority Date :28/11/2012

(33) Name of priority country :South Africa

(86) International Application No:PCT/ZA2013/000090 Filing Date :25/11/2013

(87) International Publication No: WO 2014/085835

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)BRAY Robert Reginald

Address of Applicant :210 Mimosa Road Northcliff Ext2 2195

Johannesburg Gauteng South Africa

(72) Name of Inventor:

1)BRAY Robert Reginald

#### (57) Abstract:

The present disclosure relates to a wing. More specifically aspects of the invention relate to a variable shaped wing movable incrementally between a neutral configuration and a deformed configuration wherein the wing takes a reflexed camber aerofoil section shape in the deformed configuration. The wing includes a first aerofoil segment and a second aerofoil segment having ends connected or fixed to one another at opposing neutral leading and trailing edges and spaced apart from one another along their lengths across a neutral mean camber line extending between the neutral leading and trailing edges to form a neutral aerofoil section of the wing. One or more actuators deform the wing between the neutral aerofoil section and a reflexed camber aerofoil section with the first and second aerofoil segments being resilient to bias the wing towards an initial at rest aerofoil section.

No. of Pages: 82 No. of Claims: 83

(21) Application No.4542/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SUCROSE POLYESTERS

(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	:61/265,373 :01/12/2009 :U.S.A. :PCT/US2010/058471	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OH 45202, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)APPLEBY, DONALD, BENJAMIN 2)BACK, DEBORAH, JEAN
Filing Date (62) Divisional to Application Number	:NA :NA :NA	

# (57) Abstract:

Disclosed herein are compositions that include a blend of sucrose polyesters, wherein each sucrose polyester includes a sucrose moiety and a plurality of fatty acid ester moieties, wherein a percentage range of the combined fatty acid ester moieties of the sucrose polyesters in the blend have a carbon chain that has trans content.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: OVER THE AIR SIGNALING FOR COORDINATION OF TIME DIVISION DUPLEXING

(51) International :H04W72/04,H04W72/08,H04W52/24 classification

(31) Priority Document No :61/750968 (32) Priority Date :10/01/2013

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

country

(86) International :PCT/SE2013/050576

Application No :21/05/2013 Filing Date

(87) International

Publication No

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

:WO 2014/109683

:NA

(57) Abstract:

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)RAHMAN Muhammad Imadur

2)SONG Xinghua 3)SEMAAN Eliane 4) ERIKSSON Erik 5)LARSSON Daniel 6)ASTELY David

Coordination information for controlling base station to base station interference is transmitted from one radio network node (900)(e.g. an LTE eNodeB) to another using certain parts of the TDD subframe. One example method as might be implemented in a radio network node (900) such as an LTE eNodeB includes the generating (1010) of a TDD coordination signal and the transmitting (1020) of the TDD coordination signal to one or more other radio network nodes. In some embodiments the coordination signal is transmitted in a guard period of a special subframe at the target node. In others the coordination signal is transmitted in another interval during which the receiving node is not transmitting such as in uplink subframe for the receiving node an uplink portion of a special subframe at the receiving node or in a downlink subframe or downlink portion of a special subframe during which the receiving node is not transmitting.

No. of Pages: 35 No. of Claims: 34

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ELECTROLYTE SOLUTION AND ELECTROPOLISHING METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/11/2010 :WO 2011/063353 :NA :NA	(71)Name of Applicant:  1)METCON, LLC  Address of Applicant: 200 FILLMORE STREET, SUITE 200, DENVER, CO 80206, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)CLASQUIN, JAMES, L. 2)CHRISTENSEN, THOMAS, J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An aqueous electrolyte solution including a concentration of citric acid in the range of about 1.6 g/L to about 982 g/L and an effective concentration of ammonium bifluoride (ABF), and being substantially free of a strong acid. Methods of micropolishing a surface of a non-ferrous metal workpiece including exposing the surface to a bath of an aqueous electrolyte solution including a concentration of citric acid in the range of about 1.6 g/L to about 780 g/L and a concentration of ammonium bifluoride in the range of about 2 g/L to about 120 g/L and having no more than about 3.35 g/L of a strong acid, controlling the temperature of the bath to be between the freezing point and the boiling point of the solution, connecting the workpiece to an anodic electrode of a DC power supply and immersing a cathodic electrode of the DC power supply in the bath, and applying a current across the bath.

No. of Pages: 81 No. of Claims: 36

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MODIFIED COILED COIL TYPE PROTEINS HAVING IMPROVED PROPERTIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N15/62 :12306560.9 :11/12/2012 :EPO :PCT/EP2013/076289 :11/12/2013 :WO 2014/090905 :NA :NA :NA	(71)Name of Applicant: 1)IMAXIO Address of Applicant:5/7 rue Saint Roch F 75001 Paris France (72)Name of Inventor: 1)DEL CAMPO ASCARATEIL Judith 2)TURKI HANI Imene 3)HILL Fergal
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### (57) Abstract:

The present application is related to a modified protein comprising a protein having a coiled coil domain and a peptide having the sequence such as shown in SEQ ID NO 1: ZXBBBBZ that is linked to the coiled coil domain wherein: Z is any amino acid or is absent; X is any amino acid; B is an arginine (R) or a lysine (K). Said modified protein is in particular an antigen or a carrier protein associated to an antigen. This modified protein has an increased affinity for negatively charged polymers such as nucleic acids or heparin and shows an increased immunogenicity.

No. of Pages: 66 No. of Claims: 25

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS AND APPARATUS FOR TERMINATING ELECTRICAL CONNECTORS TO CABLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01R 4/24 :12/644,672 :22/12/2009 :U.S.A. :PCT/US2010/003163 :14/12/2010 :WO 2011/087480 :NA :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS CORPORATION Address of Applicant:1050 WESTLAKES DRIVE, BERWYN, PENNSYLVANIA 19312, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)TOBEY, SHAWN PHILLIP 2)PEPE, PAUL JOHN
Filing Date	:NA	

#### (57) Abstract:

An electrical connector (100) includes a front housing (120) holding a plurality of contacts and holding a cutting blade (174) proximate to a rear of the front housing (120). The electrical connector also includes a rear housing (122) having a wire organizer (180) at a front of the rear housing (122) that has a plurality of wire channels (182) configured to receive corresponding wires (146) therein. The rear housing (122) has an outer support wall spaced apart from, and arranged outward of, the wire channels (182), where the outer support wall has a front edge (196, 198). The wire channels (182) extending along wire channel axes that extend across the front edge (196, 198). During mating of the rear housing (122) with the front housing (120), the cutting blade (174) is configured to trim the wires (146) extending from the wire organizer (180) and is positioned between the outer support wall and the wire organizer (180). The wires (146) are terminated to the contacts when the front housing (120) and the rear housing (122) are mated.

No. of Pages: 22 No. of Claims: 14

(21) Application No.4550/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

(54) Title of the invention : METHOD FOR REGULATING THE SUPPLY OF SUBSTITUTE DURING EXTRACORPOREAL BLOOD TREATMENT AND EXTRACORPOREAL BLOOD TREATMENT DEVICE COMPRISING A UNIT FOR REGULATING THE SUPPLY OF SUBSTITUATE

<ul> <li>(51) International classification</li> <li>(31) 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>	:A61M 1/34 :10 2009 055 995.7 :26/11/2009 :Germany :PCT/EP2010/006981 :16/11/2010	(71)Name of Applicant:  1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant:ELSE-KRONER-STRAE 1, 61352 BAD HOMBURG V.D.H. (DE) Germany (72)Name of Inventor:  1)KOPPERSCHMIDT, PASCAL
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li></ul>	:WO 2011/063906 :NA :NA :NA :NA	2)GAGEL, ALFRED

### (57) Abstract:

The invention relates to a method for regulating the supply of substituate during an extracorporeal blood treatment device, which comprises a dialyser (1) that is divided by a semi-permeable membrane (2) into a blood chamber (3) and a dialysis liquid chamber (4), and a unit (19) for supplying substituate. Furthermore, the invention relates to a device for extracorporeal blood treatment comprising a unit (26) for regulating the supply of substituate. The method according to the invention and the device according to the invention are based on the fact that the regulation of the supply of substituate during the extracorporeal blood treatment is effected according to the rheological load of the dialyser. In order to regulate the supply of substituate during the extracorporeal blood treatment, the rheological load on the dialyser is determined from the trans-membrane pressure at the dialyser and the flow resistance of the dialyser, and the substituate rate is increased or reduced in accordance therewith. It is therefore no longer necessary to specify dialyser parameters or blood parameters, and distinguishing between pre-dilution and post-dilution is also obsolete.

No. of Pages: 21 No. of Claims: 20

(21) Application No.4550/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AUTOMATED MOBILE 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>	:12/11/2012 :WO 2014/074119 :NA :NA	(71)Name of Applicant:  1)ENORCOM CORPORATION  Address of Applicant: 2053 Grant Rd. #554 Los Altos 94024 U.S.A. (72)Name of Inventor:  1)NASSERBAKHT Gitty N.  2)NASSERBAKHT Mitra
Filing Date	:NA	

### (57) Abstract:

An automated mobile assistant system provides automated proactive and anticipatory services for the user of the system. A customizable personal mobile device for communication entertainment and organization includes a core engine and a plurality of modules coupled to the core engine to perform a different one of a plurality of classes of functionality of the mobile device where each said module includes a processing element and memory dedicated for use by said module. A time based intelligence system provides robust storage access and processing of information on a mobile device.

No. of Pages: 170 No. of Claims: 76

(21) Application No.4379/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VORTEX TYPE MIXING DEVICE FOR A DOWN FLOW HYDROPROCESSING REACTOR

(51) International classification	:B01J8/04,B01F3/04,B01F5/00	(71)Name of Applicant:
(31) Priority Document No	:13/663570	1)CHEVRON U.S.A. INC.
(32) Priority Date	:30/10/2012	Address of Applicant :6001 Bollinger Canyon Road San
(33) Name of priority country	:U.S.A.	Ramon California 94583 U.S.A.
(86) International Application No	:PCT/US2013/060329	(72)Name of Inventor:
Filing Date	:18/09/2013	1)BOYAK Craig
(87) International Publication No	:WO 2014/070324	2)KEMOUN Abdenour
(61) Patent of Addition to	:NA	3)KILLEN Ralph Evans
Application Number		4)PARIMI Krishniah
Filing Date	:NA	5)SONG Steven Xuqi
(62) Divisional to Application	.NI A	-
Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention is directed to a vortex type mixing device for a down flow hydroprocessing reactor. In particular the device improves the effectiveness of an existing mixing volume in mixing the gas phase and liquid phase of two phase systems. According to the present invention the mixing device helps create a highly arcuate flow to incoming effluents and a high degree of mixing within a constrained interbed space of a hydroprocessing reactor.

No. of Pages: 20 No. of Claims: 14

(21) Application No.4528/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VEHICULAR POWER SUPPLY 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2013010930 :24/01/2013 :Japan :PCT/IB2013/002878 :27/12/2013 :WO 2014/114977 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 8571 Japan (72)Name of Inventor: 1)HIRANO Takahiro
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A vehicular power supply apparatus includes: a first port (PI) to which an electric load (20) is connected; a second port (P2) to which a first storage apparatus (21) is connected; a third port (P3) to which a second storage apparatus (22) is connected; a fourth port (P4) to which a power generation apparatus (23) is connected; a first switch (5) disposed between the first and second ports; a second switch (6) disposed between the second and fourth ports; a third switch (7) disposed between the first and third ports; a fourth switch (8) disposed between the third and fourth ports; and a condition switching unit (11) configured to switch between a first condition in which the first and fourth switches are conductive the second and third switches are cut off and a second condition in which the first sand fourth switches are cut off the second and the switches are conductive.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ABSORBENT ARTICLE WITH HIGH ABORSORBENT MATERIAL CONTENT

(51) International :A61F13/475,A61F13/532,A61F13/531 classification

(31) Priority Document :12196341.7

(32) Priority Date :10/12/2012

(33) Name of priority :EPO

country

(86) International

:PCT/US2013/074065 Application No :10/12/2013

Filing Date (87) International

Publication No

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

:NA Application Number Filing Date

:WO 2014/093310

:NA

(71)Name of Applicant:

1) THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A. (72) Name of Inventor:

1)EHRNSPERGER Bruno Johannes

2)ARIZTI Blanca 3)BIANCHI Ernesto

4) JACKELS Hans Adolf

5)KREUZER Carsten Heinrich

6)ROSATI Rodrigo

## (57) Abstract:

An absorbent article (20) for personal hygiene such as a diaper or training pant the absorbent article having a front edge (10) and a back edge (12) a longitudinal axis (80) extending in a longitudinal direction of the article the article having a length L as measured along the longitudinal axis from the front edge to the back edge a crotch point (C) defined as the point placed at a distance of two fifth of L from the front edge of the article on the longitudinal axis. The article comprises a pair of leg cuffs (32) with an raised section (34) and an absorbent core (28) comprising at least one channel (26 26) at least partially oriented in the longitudinal direction (80) of the article. The article has crotch width (Wd) before use as measured between the proximal edges of the leg cuffs at the level of the crotch point of from to 70 mm to 200 mm and a Relative Crotch Width Reduction (RCWR) of at least 30 mm/kg.

No. of Pages: 55 No. of Claims: 15

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: EXHAUST PURIFICATION FILTER

(51) International :F01N3/022,B01D39/20,B01D46/00

classification (31) Priority Document No :NA

(32) Priority Date :NA (33) Name of priority country: NA

(86) International Application: PCT/JP2012/080770

:28/11/2012

Filing Date (87) International Publication :WO 2014/083642

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

(62) Divisional to Application:NA Number :NA

Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyotacho Toyota shi Aichi 4718571

Japan

(72) Name of Inventor:

1)OTSUKI Hiroshi

2)NISHIOKA Hiromasa

3)TSUKAMOTO Yoshihisa

4)IMAI Daichi

5)ITOH Kazuhiro

6)KOUTAKE Ryota

(57) Abstract:

This exhaust purification filter (4) for collecting particulate matters that are contained in an exhaust gas which is suitable to be disposed within an exhaust passage of an internal combustion engine is provided with: exhaust gas inflow passages and exhaust gas outflow passages which are alternately arranged with each other; and porous partition walls (6) which separate these exhaust gas inflow passages and exhaust gas outflow passages from each other. Each partition wall is divided into: a coated zone (CZ) in which the surface of a partition wall base is covered with a coating layer that has an average pore diameter smaller than the average pore diameter of the partition wall base; and a non coated zone (NCZ) which is in the downstream of the coated zone and in which the surface of the partition wall base is not covered with the coating layer. The pore diameter of the partition wall is set so that ash contained in the exhaust gas is able to pass through the partition wall in the non coated zone. The flow path resistance in the thickness direction of a portion of the partition wall positioned in the coated zone is smaller than the flow path resistance in the thickness direction of a portion of the partition wall positioned in the non coated zone.

No. of Pages: 24 No. of Claims: 9

(22) Date of filing of Application :22/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD APPARATUS AND TERMINAL DEVICE FOR CONTROLLING MOVEMENT OF APPLICATION INTERFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06F3/0488 :201310038609.3 :31/01/2013 :China :PCT/CN2013/090891 :30/12/2013 :WO 2014/117618 :NA :NA	(71)Name of Applicant: 1)XIAOMI INC. Address of Applicant: Floor 13 Rainbow City Shopping Mall of China Resources NO. 68 Qinghe Middle Street Haidian District Beijing 100085 China (72)Name of Inventor: 1)SUN Daqing 2)ZHU Cai 3)LI Weixing
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Provided are a method apparatus and terminal device for controlling movement of an application interface belonging to the field of interface control. The method comprises: capturing a first touch operation; when a second touch operation being captured in the capturing process of the first touch operation determining the movement direction and movement distance of the second touch operation; and controlling the application interface to move a distance equal to the movement distance of the second touch operation along the movement direction of the second touch operation. By adopting the technical solution provided by the disclosure the application interface is controlled to move according to the movement direction and the movement distance of the second touch operation captured in the capturing process of the first touch operation for enabling the application interface originally moving page by page to freely move thus user browsing is more convenient.

No. of Pages: 22 No. of Claims: 11

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IMAGE PROCESSING METHOD AND APPARATUS AND TERMINAL DEVICE

(51) International classification	:G06T5/00	(71)Name of Applicant:
(31) Priority Document No	:201310357087.3	1)XIAOMI INC.
(32) Priority Date	:15/08/2013	Address of Applicant :Floor 13 Rainbow City Shopping Mall
(33) Name of priority country	:China	of China Resources NO. 68 Qinghe Middle Street Haidian District
(86) International Application No	:PCT/CN2014/072373	Beijing 100085 China
Filing Date	:21/02/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2015/021764	1)TANG Mingyong
(61) Patent of Addition to Application	:NA	2)ZHANG Bo
Number		3)ZHOU Zhinong
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed are an image processing method and apparatus and a terminal device. The processing method comprises: obtaining an image and recognizing a human face comprised in the image; obtaining character attribute information according to the human surface in the image; and processing the image according to the character attribute information and obtaining a processed image. In the embodiments of the present disclosure character attribute information can be obtained according to an automatically recognized human face in an image a beautification mode corresponding to the character attribute information is matched and the image is processed by using the matched beautification mode thereby avoiding manually setting a beautification parameter and improving the use efficiency.

No. of Pages: 29 No. of Claims: 22

(21) Application No.4415/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR PRODUCING DABIGATRAN ETEXILATE

(51) International classification	:C07D 401/12	(71)Name of Applicant :
(31) Priority Document No	:09176369.8	1)BOEHRINGER INGELHEIM INTERNATIONAL
(32) Priority Date	:18/11/2009	GMBH
(33) Name of priority country	:EUROPEAN	Address of Applicant :BINGER STRASSE 173, 55216
(33) Name of priority country	UNION	INGELHEIM AM RHEIN, GERMANY Germany
(86) International Application No	:PCT/EP2010/066959	(72)Name of Inventor:
Filing Date	:06/11/2010	1)FRIEDER GNAD
(87) International Publication No	:WO 2011/061080	2)ROLF DACH
(61) Patent of Addition to Application	:NA	3)INGO HEDDESHEIMER
Number	:NA	4)HELMUT HEITGER
Filing Date	:NA	5)SIEGFRIED MEINECK
(62) Divisional to Application Number	:NA	6)HERMANN MUELLER-BOETTICHER
Filing Date	:NA	7)STEFAN SCHMITT

(57) Abstract:

The invention relates to an improved method for producing dabigatran etexilate, and analogous compounds of the formula (7).

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

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: PYRAZOLE DERIVATIVES

(51) International classification	:C07D 413/12	(71)Name of Applicant:
(31) Priority Document No	:9180466.6	1)SYNGENTA PARTICIPATIONS AG
(32) Priority Date	:22/12/2009	Address of Applicant :SCHWARZWALDALLEE 215, CH-
(33) Name of priority country	:EUROPEAN	4058 BASEL SWITZERLAND. Switzerland
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/068184	1)SULZER SARAH
Filing Date	:25/11/2010	2)LAMBERTH CLEMENS
(87) International Publication No	:WO 2011/076510	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to heterocyclic compounds of formula I which have microbiocidal activity, in particular fungicidal activity: wherein G1 and G2 are independently O or S; T is -C(R9R10)-, -C(R11)=C(R12)-, -C=C-, NR13 or O; Y1 and Y2 are independently CR14 or N; Q is -C(=O)-N(R15)-z, -C(=S)-N(R16)-z, -C(=O)-O-z, -N(R17)-C(=O)-z, -N(R18)-C(=S)-z, -N(R19)-C(=O)-0-z or -N(R20)-C(=O)-N(R21)-z, in each case z indicates the bond that is connected to R8; n is 1, 2, 3 or 4 when T is -C(R9R10)-, NR13 or O; n is 1, 2, 3 when T is -C(R11)=C(R12)- or -C=C-; R1, R2, R3, R4, R11, R12 and R14 each independently are hydrogen, halogen, cyano, C1-C4alkyl, or C1-C4haloalkyl; R5, R13, R15, R16, R17, R18, R19, R20 and R21 each independently are hydrogen, C1-C4alkyl or C1-C4alkoxy; R6 and R7 each independently are hydrogen, halogen, cyano, hydroxy, C1-C4haloalkyl, C1-C4alkoxy, C1-C4haloalkyl, C1-C4haloalkyl,

No. of Pages: 64 No. of Claims: 15

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PREPARATION AND PURIFICATION OF IODIXANOL

(51) International classification	:C07B 63/00	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2009/001333	1)HOVIONE CHINA HOLDING LIMITED
(32) Priority Date	:26/11/2009	Address of Applicant :11/F, AUBIN HOUSE, 171-172
(33) Name of priority country	:PCT	GLOUCESTER ROAD, WANCHAI, HONGKONG (CN) China
(86) International Application No	:PCT/CN2009/001333	(72)Name of Inventor:
Filing Date	:26/11/2009	1)HU, ZHIQI
(87) International Publication No	:WO 2011/063551	2)ZHANG, HUOYING
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An improved synthesis method for preparation of iodixanol, and a purification process through macroporous adsorption resin chromatographic column and recrystallization are provided. The synthesis method relates to dimerization of 5-acetamido-N, N-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-isophthalamide (compound A) to prepare iodixanol, wherein excessive side reactions such as alkylation are effectively inhibited by controlling the pH of the reaction mixture with a boron-containing acidic substance or salts thereof such as boric acid. In this way, the conversion rate of compound A to iodixanol is 85-90%. The iodixanol crude product is purified by a macroporous adsorption resin chromatographic column, obtaining iodixanol product with recovery of 90-95% and purity of 96-98%. The iodixanol crude product is recrystallized in mixed solvent containing 2-methoxyethanol, obtaining iodixanol product with recovery of 90-95% and purity of greater than 99%.

No. of Pages: 28 No. of Claims: 31

country

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : TREATMENT OR PREVENTION OF CARDIOVASCULAR EVENTS VIA THE ADMINISTRATION OF A COLCHICINE DERIVATIVE

(51) International :A61K31/165,A61K31/122,A61P9/10

classification (31) Priority Document No :2012904828

(32) Priority Date :02/11/2012
(33) Name of priority :Australia

(86) International PCT/AU2013/0012

Application No :PCT/AU2013/001261

Filing Date :01/11/2013

(87) International Publication No :WO 2014/066944

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

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

(71)Name of Applicant:

1)MURRAY & POOLE ENTERPRISES LTD.

Address of Applicant :Suite 41/42 Victoria House 26 Main

Street Gibraltar U.K. (72)Name of Inventor: 1)NIDORF Mark

# (57) Abstract:

No. of Pages: 45 No. of Claims: 16

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: QUICK-OPERATING DOOR HAVING AN IMPROVED LATERAL 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:E06B 9/13 :NA :NA :NA :PCT/FR2009/052329 :27/11/2009 :WO 2011/064463 :NA	(71)Name of Applicant: 1)NERGECO Address of Applicant: 8 RUE DE 1'INDUSTRIE 43220 DUNIERES FRANCE France (72)Name of Inventor: 1)KRAEUTLER, BERNARD
` '	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a quick-operating door designed for opening and closing an aperture in a partition including: a support structure including in particular two vertical jambs (2) above which is a shaft driven by electromechanical means, each of the two vertical jambs (2) having an outer planar bearing surface (6) and a slideway (5), and a flexible curtain (4) designed to occupy a closed position in which the curtain (4) blocks the aperture and an open position in which the curtain (4) clears access to the aperture, the curtain (4) incorporating at least two transverse reinforcing bars (19) provided, at each of the ends thereof, with a tip in the form of a crank which engages with the guiding slideway in each jamb. According to the invention, the door has at least one transverse section (22) of the curtain (4) delimited by two transverse reinforcing bars (19) including two panels (23) connected to one another by means of a hinge (24), each panel (23) consisting of at least two strips (25) of a flexible material between which is inserted a layer of material stiffening, weighting and insulating said panel (23) for the purpose of keeping the transverse section (22) bearing on a planar surface (6) of each jamb (2).

No. of Pages: 16 No. of Claims: 11

(21) Application No.4409/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : USE OF INVERTASE SILENCING IN POTATO TO MINIMIZE LOSSES FROM ZEBRA CHIP AND SUGAR ENDS

## (57) Abstract:

The present invention provides a convenient method for producing potato products such as chips and French fries that have lower incidence of sugar ends and less off color development due to infection from the zebra chip pathogen.

No. of Pages: 53 No. of Claims: 24

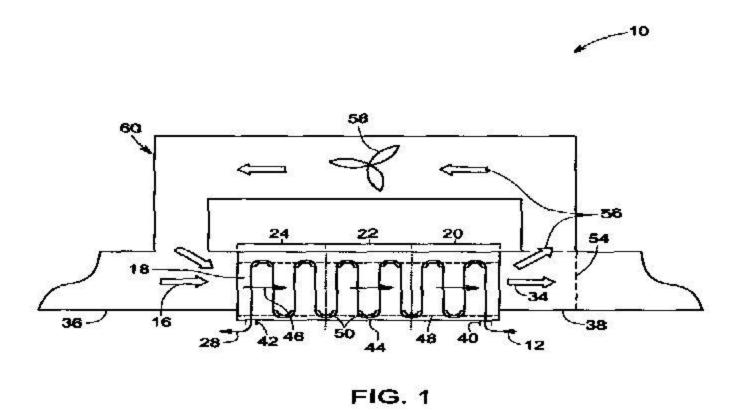
(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DIRECT EVAPORATOR APPARATUS AND ENERGY 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 Number</li> </ul>	:F01K 25/10 :12/624,636 :24/11/2009 :U.S.A. :PCT/US2010/048693 :14/09/2010 :WO 2011/066032 :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)FREY, THOMAS JOHANNES 2)LEHAR, MATTHEW ALEXANDER
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one aspect, the present invention provides a direct evaporator apparatus for use in an organic Rankine cycle energy recovery system, comprising: (a) a housing comprising a heat source gas inlet, and a heat source gas outlet, the housing defining a heat source gas flow path from the inlet to the outlet; and (b) a heat exchange tube disposed within the heat source flow path, the heat exchange tube being configured to accommodate an organic Rankine cycle working fluid, the heat exchange tube comprising a working fluid inlet and a working fluid outlet. The direct evaporator apparatus is configured such that at least a portion of a heat source gas having contacted at least a portion of the heat exchange tube is in thermal contact with heat source gas entering the direct evaporator apparatus via the heat source gas inlet. An organic Rankine cycle energy recovery system and a method of energy recovery are also provided.



No. of Pages: 22 No. of Claims: 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4560/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ERYTHROCYTE PRESERVATION METHOD

(51) International classification :A01N1/02,C12N5/07,A61J1/05 (71)Name of Applicant : (31) Priority Document No 1)ADVANCED PRESERVATIONS TECHNOLOGIES :61/731944 LLC (32) Priority Date :30/11/2012 (33) Name of priority country Address of Applicant :One Robert Rich Way Buffalo New :U.S.A. (86) International Application No: PCT/US2013/070677 York 14213 U.S.A. Filing Date 2)TRUSTEES OF DARTMOUTH COLLEGE :19/11/2013 (87) International Publication No: WO 2014/085136 (72)Name of Inventor: (61) Patent of Addition to 1)ILYIN Ilya :NA **Application Number** 2)DUMONT Larry J. :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

A method for preserving erythrocytes comprising the steps of obtaining an erythrocyte concentrate; subjecting the erythrocyte concentrate to a gas system that includes 65% to 100% by volume and optionally one or more ballast gases from 0% to 35% by volume; and maintaining the erythrocyte concentrate that has been subjected to the gas system at a temperature that is above the freezing point of the erythrocyte concentrate and up to a temperature of about 30°C.

No. of Pages: 27 No. of Claims: 46

(22) Date of filing of Application :23/05/2012

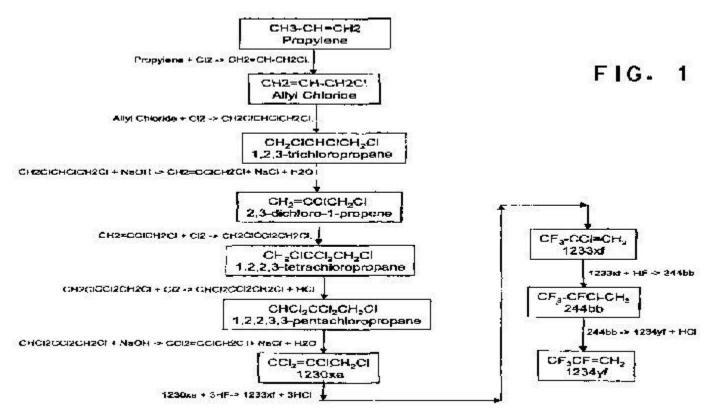
(43) Publication Date: 27/11/2015

# (54) Title of the invention: COMPOSITIONS COMPRISING 2,3,3,3-TETRAFLUOROPROPENE, 1,1,2,3,-TETRACHLOROPROPENE, 2-CHLORO-3,3,3-TRIFLUOROPROPENE, OR 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/12/2010 :WO 2011/087825 :NA :NA	(71)Name of Applicant:  1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant:1007 MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A. U.S.A. (72)Name of Inventor: 1)NAPPA, MARIO, JOSEPH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure relates to compositions comprising 2,3,3,3-tetrafluoropropene that may be useful as heat transfer compositions, aerosol propellants, foaming agents, blowing agents, solvents, cleaning agents, carrier fluids, displacement drying agents, buffing abrasion agents, polymerization media, expansion agents for polyolefins and polyurethane, gaseous dielectrics, extinguishing agents, and fire suppression agents in liquid or gaseous form. Additionally, the present disclosure relates to compositions comprising 1,1,2,3-tetrachloropropene, 2-chloro-3,3,3-trifluoropropene, or 2-chloro-1,1,1,2-tetrafluoropropane, which may be useful in processes to produce 2,3,3,3-tetrafluoropropene.



No. of Pages: 31 No. of Claims: 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4561/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FRAME CONFIGURATION FOR VEHICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B62D21/02,B62D21/12 :12513339	(71)Name of Applicant: 1)SCANIA CV AB
(32) Priority Date	:27/11/2012	Address of Applicant :S 151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	2)SSAB AB
(86) International Application No	:PCT/SE2013/051380	(72)Name of Inventor:
Filing Date	:25/11/2013	1)SJ-BERG Michael
(87) International Publication No	:WO 2014/084777	2)LARSSON Hkan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)ISAKSSON Anders
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a frame configuration (I; II; III) for vehicles (1) comprising en forward part (10; 210) and a rear part (30; 130 160; 230) where the said forward and rear parts are united comprising a first connection part (50; 150; 250) arranged between the said parts (10; 210 30; 130 160; 230) including a forward interface (G1) for connection with the said forward part and a rear interface (G2) for connection with the said rear part. The present invention relates also to a vehicle with a frame configuration.

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

(21) Application No.4397/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SURGICAL CUTTING INSTRUMENT THAT ANALYZES TISSUE THICKNESS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification Filing Date (52) International Publication No Filing Date (53) International Publication No Filing Date (54) International Publication No Filing Date  SNA Filing Date  SNA Filing Date  SNA Filing Date  SNA Filing Date	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY, INC. Address of Applicant: 4545 CREEK ROAD, CINCINNATI, OH 45242, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)BRETTE E. SWENSGARD 2)BRET W. SMITH 3)RYAN J. LAURENT
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#### (57) Abstract:

A surgical instrument with a tissue-clamping end effector, where actuation of the instrument is locked out when the thickness of the tissue clamped in the end effector is not within a specified thickness range. The end effector may comprise a tissue thickness module that senses the thickness of the tissue clamped in the end effector. The surgical instrument also comprises a control circuit in communication with the tissue thickness module. The control circuit prevents actuation of a working portion of the end effector when the thickness of the tissue clamped in the end effector is not within the specified thickness range.

No. of Pages: 36 No. of Claims: 21

(21) Application No.4397/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROFILING DATA WITH LOCATION INFORMATION

(61) Patent of Addition to Application Number Filing Date  (62) Divisional to Application Number Filing Date  NA Filing Date  NA Filing Date  NA Filing Date  SNA	<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>	:22/10/2013 :WO 2014/066314 :NA :NA	(71)Name of Applicant:  1)AB INITIO TECHNOLOGY LLC Address of Applicant: 201 Spring Street Lexington Massachusetts 02421 U.S.A. (72)Name of Inventor: 1)ANDERSON Arlen
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#### (57) Abstract:

Profiling data includes processing an accessed collection of records (203) including: generating for a first set of distinct values appearing in a first set of one or more fields corresponding location information; generating for the first set of fields a corresponding list of entries (209) identifying a distinct value from the first set of distinct values and the location information for the distinct value; generating for a second set of one or more fields a corresponding list of entries (209) with each entry identifying a distinct value from a second set of distinct values appearing in the second set of fields; and generating result information (240) based at least in part on: locating at least one record of the collection using the location information for at least one value appearing in the first set of fields and determining at least one value appearing in the second set of fields of the located record.

No. of Pages: 48 No. of Claims: 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4398/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: OPTHALMIC LENSES FOR PREVENTION OF MYOPIA PROGRESSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G02C 7/04 :12/618,255 :13/11/2009 :U.S.A. :PCT/US2010/056389 :11/11/2009 :WO 2011/060176 :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE, INC. Address of Applicant:7500 CENTURION PARKWAY, JACKSONVILLE, FL 32256, USA U.S.A. (72)Name of Inventor: 1)EDGAR V. MENEZES
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#### (57) Abstract:

The invention provides ophthalmic lenses useful in preventing myopia progression. The lenses of the invention provide substantially constant distance vision power zone in the center of the optic zone surrounded by a zone that provides positive longitudinal spherical aberration.

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

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHARACTERIZING DATA SOURCES IN A DATA STORAGE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F17/30 :61/716909 :22/10/2012 :U.S.A. :PCT/US2013/053352 :02/08/2013 :WO 2014/065918 :NA :NA :NA	(71)Name of Applicant:  1)AB INITIO TECHNOLOGY LLC Address of Applicant: 201 Spring Street Lexington MA 02421 U.S.A. (72)Name of Inventor: 1)ANDERSON Arlen
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#### (57) Abstract:

Characterizing data includes: reading data from an interface to a data storage system and storing two or more sets of summary data (200A 200D) summarizing data stored in different respective data sources in the data storage system; and processing the stored sets of summary data to generate system information (208) characterizing data from multiple data sources in the data storage system. The processing includes: analyzing the stored sets of summary data to select two or more data sources that store data satisfying predetermined criteria and generating the system information including information identifying a potential relationship between fields of records included in different data sources based at least in part on comparison between values from a stored set of summary data summarizing a first of the selected data sources and values from a stored set of summary data summarizing a second of the selected data sources.

No. of Pages: 38 No. of Claims: 28

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: FACILITY MANAGEMENT SYSTEM CONTROL INTERFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:05/12/2013 :WO 2014/088081 :NA :NA	(71)Name of Applicant: 1)YOSHIDA Kenji Address of Applicant: 9 14 2302 Koishikawa 1 chome Bunkyo ku Tokyo 1120002 Japan (72)Name of Inventor: 1)YOSHIDA Kenji
Filing Date		

### (57) Abstract:

The present invention eliminates the hierarchization embodied by existing interfaces e.g. traditional control panels personal computers and tablet terminals and reduces malfunctions caused by existing facility management system interfaces. This facility management system control interface is provided with the following: printed matter printed with a dot pattern that encodes a dot code that corresponds to a control operation to perform on equipment being controlled; a storage means that stores a table containing a correspondence relationship between dot codes and control operations to perform on equipment; a remote controller that images the dot pattern and decodes and transmits the dot code; and an interface device that performs processes including a process in which the dot code is received a process in which the dot code is used to identify the control operation to perform on the equipment being controlled and a process in which said control operation is transmitted to said equipment as a control signal. The table stored by the storage means also contains a correspondence relationship between dot codes and locations where the equipment is installed.

No. of Pages: 118 No. of Claims: 31

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention: TIP-REPLACEABLE CUTTING TOOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:06/12/2010 :WO 2011/071007 :NA	(71)Name of Applicant:  1)TUNGALOY CORPORATION  Address of Applicant:11-1, YOSHIMA-KOGYODANCHI,  IWAKI-SHI, FUKUSHIMA 9701144, JAPAN Japan  (72)Name of Inventor:  1)KAZUYUKI UNO  2)NAOTO NISHIYA
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2011/071007	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

As viewed from a side opposing a bottom face (6) of an insert attachment seat, an angle ( $\alpha$ ) between first and second restraint wall faces (7a) and (7b) rising from the bottom face (6) is smaller than an angle () between two peripheral faces of a cutting insert contacting them respectively. One peripheral face out of the two peripheral faces of the cutting insert contacts the first restrain wall face (7a) in a substantially parallel posture with the extending direction of the first restraint wall face (7a), and the other peripheral face contacts the second restraint wall face (7b) in one end portion of the second restraint wall face (7b).

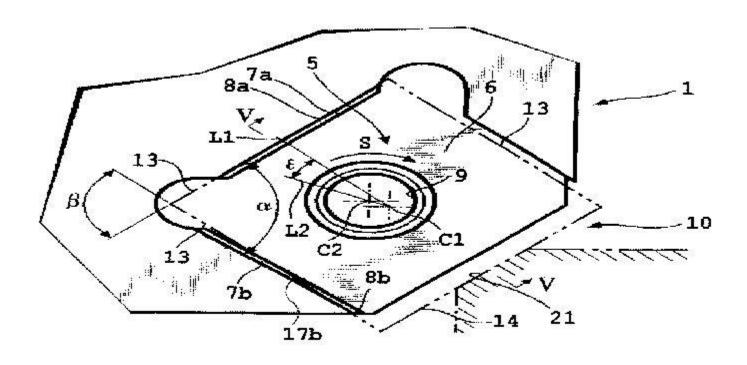


FIG.4

No. of Pages: 31 No. of Claims: 5

(21) Application No.4556/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR IDENTIFYING DEFECTS IN GLASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06Q10/08 :NA :NA :NA :NA :PCT/IB2012/002518 :28/11/2012 :WO 2014/083371 :NA :NA :NA	(71)Name of Applicant:  1)SAINT GOBAIN GLASS FRANCE Address of Applicant:18 avenue dAlsace 92400 Courbevoie France (72)Name of Inventor: 1)VILAIN Laurent 2)BILLERT Ulrich 3)PEYRUDE Antoine
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#### (57) Abstract:

A method and system for identifying defects in glass are provided. The method includes identifying using an identifier device each of a plurality of sheets of glass with an identifier; generating using a mapping device a map of glass attributes for each of the plurality of sheets of glass; associating using a computer system the map of attributes of each of the plurality of sheets of glass with the identifier of a corresponding each of the plurality of sheets of glass; storing the map of glass attributes of each of the sheets of glass in a database; and providing a customer with a level of access to information in the database so as to allow the customer to retrieve at least part of the map of attributes of sheets of glass acquired by the customer.

No. of Pages: 36 No. of Claims: 31

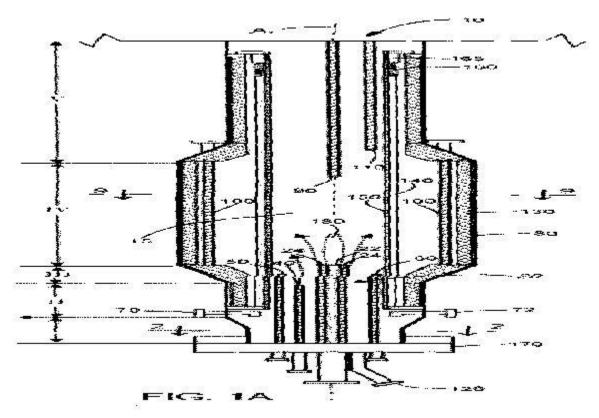
(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FLUID BED REACTOR

(51) International classification	:C23C 16/442	(71)Name of Applicant:
(31) Priority Document No	:61/262,401	1)REC SILICON INC
(32) Priority Date	:18/11/2009	Address of Applicant :3322 ROAD N NE, MOSES LAKE,
(33) Name of priority country	:U.S.A.	WA 98837-9505, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/057058	(72)Name of Inventor:
Filing Date	:17/11/2010	1)OSBORNE, E., WAYNE
(87) International Publication No	:WO 2011/063007	2)SPANGLER, MICHAEL, V.
(61) Patent of Addition to Application	:NA	3)ALLEN, LEVI, C.
Number	:NA	4)GEERTSEN, ROBERT, J.
Filing Date	.11/1	5)EGE, PAUL, E.
(62) Divisional to Application Number	:NA	6)STUPIN, WALTER, J.
Filing Date	:NA	7)ZEININGER, GERALD

#### (57) Abstract:

Fluidized bed reactor systems for producing high purity silicon-coated particles are disclosed. A vessel has an outer wall, an insulation layer inwardly of the outer wall, at least one heater positioned inwardly of the insulation layer, a removable concentric liner inwardly of the heater, a central inlet nozzle, a plurality of fluidization nozzles, at least one cooling gas nozzle, and at least one product outlet. The system may include a removable concentric sleeve inwardly of the liner. In particular systems the central inlet nozzle is configured to produce a primary gas vertical plume centrally in the reactor chamber to minimize silicon deposition on reactor surfaces.



No. of Pages: 33 No. of Claims: 34

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FORMULAS COMPRISING OPTIMISED AMINO ACID PROFILES

#### (57) Abstract:

The present invention relates to infant formulas and follow on formulas containing optimised amino acid profiles. The formulas may contain intact proteins hydrolysed proteins protein fractions free amino acids and/or a combination thereof selected based on their ability to provide the formula with an optimised amino acid profile. The present invention also relates to the administration of these formulas to infants in order to achieve balanced growth and/or development and may also assist in preventing or reducing the risk of obesity later in life.

No. of Pages: 93 No. of Claims: 10

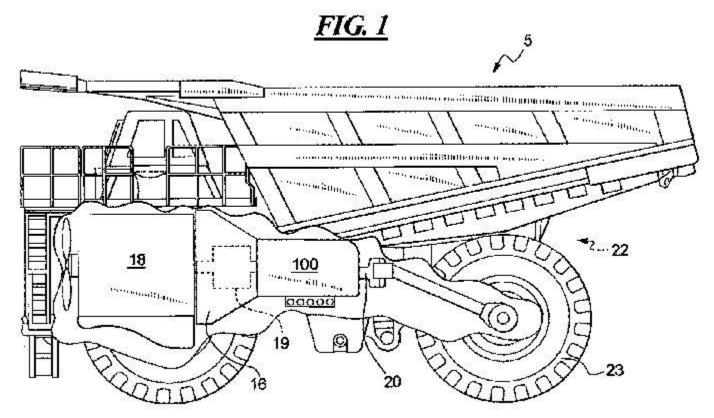
(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MULTI-SPEED TRANSMISSION

(51) International classification	:F16H 3/64	(71)Name of Applicant:
(31) Priority Document No	:61/264,480	1)CATERPILLAR INC.
(32) Priority Date	:25/11/2009	Address of Applicant :100N.E. ADAMS STREET, PEORIA,
(33) Name of priority country	:U.S.A.	ILLINOIS 61629-9510, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/057144	(72)Name of Inventor:
Filing Date	:18/11/2010	1)MEYER, KEVIN, G.
(87) International Publication No	:WO 2011/066158	2)RICE, JAMES, S.
(61) Patent of Addition to Application	:NA	3)KNOX, KEVIN, J.
Number	:NA	4)CARPENTER, LARRY, W.
Filing Date	.IVA	5)HODGES, PETER, H.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A multi-speed transmission (100) employs an efficient number of components to provide at least nine forward gear ratios and at least two reverse gear ratios between an input member (16) and an output member (20) disposed in a housing (14). The transmission may employ four planetary gear sets (30, 32, 34,36). Each planetary gear set may include a sun gear (38/44/50/56), a planet carrier (40/46/52/58), and a ring gear (42/48/54/60). Six control elements (62/64/66/68/70/72) may be operably coupled to the planetary gear sets and selectively engageable to create the forward and reverse gear ratios.



No. of Pages: 85 No. of Claims: 6

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : ARRANGEMENT AND PROCEDURE FOR PRESSURIZING A COOLING SYSTEM TO COOL AN INTERNAL COMBUSTION ENGINE IN A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F01P11/02,F01P3/20 :12513966 :10/12/2012 :Sweden :PCT/SE2013/051357 :19/11/2013 :WO 2014/092627 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB Address of Applicant: S 151 87 Sdertlje Sweden (72)Name of Inventor:  1)WIKSTR-M Hans
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to an arrangement and procedure for pressurizing a cooling system that cools an internal combustion engine (2) in a vehicle (1). The cooling system includes a coolant pump (3) geared to circulating the coolant in the cooling system an expansion tank (12) allowing the coolant in the cooling system to expand and a pressure relief valve (15) that releases air when a specific pressure is reached in the cooling system. The set up includes a compressed air entraining agent (17 21) that allows compressed air to be supplied to the cooling system. Said compressed air entraining agent (17 21) is geared to supplying a continuous air flow to the cooling system during the whole time the internal combustion engine (2) is operational and to supplying an air flow of a size at least equal to the estimated leakage from the cooling system.

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

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

 $(54) \ Title \ of the invention: CRYSTALLINE FORMS \ OF \ 3-(2,6-DICHLORO-3,5-DICHLORO-3,5-DIMETHOXY-PHENYL)-1-\{6-(4-ETHYL-PIPERAZIN-1-YL)-PHENYLAMINO]-PYRIMIDIAN-4-YL\}-1-METHYL-UREA \ AND \ SALTS \ THEROF$ 

(74) 7	G055 220/10	
(51) International classification	:C07D 239/48	(71)Name of Applicant:
(31) Priority Document No	:61/267,155	1)NOVARTIS AG
(32) Priority Date	:07/12/2009	Address of Applicant :LICHTSTRASSE 35, CH-4056
(33) Name of priority country	:U.S.A.	BASEL, SWITZERLAND Switzerland
(86) International Application No	:PCT/US2010/059108	(72)Name of Inventor:
Filing Date	:06/12/2010	1)BERGHAUSEN JOERG
(87) International Publication No	:WO 2011/071821	2)KAPA PRASAD KOTESWARA
(61) Patent of Addition to Application	:NA	3)MCKENNA JOSEPH
Number		4)SLADE JOEL
Filing Date	:NA	5)WU RAEANN
(62) Divisional to Application Number	:NA	6)DU ZHENGMING
Filing Date	:NA	7)STOWASSER FRANK

#### (57) Abstract:

The present technology provides novel anhydrous and hydrated crystalline forms of 3-(2,6-dichloro-3,5-dimethoxy-phenyl)-l-{6-[4-(4-ethyl-piperazin-1-yl)-phenylamino]-pyrimidin-4-yl}-l-methyl-urea, amorphous and anhydrous crystalline polymorphs of its monophosphoric acid salt, and the hydrochloride salt, including its dihydrate. The present technology further provides methods for preparing the various forms, compositions containing them, and methods of treatment employing them.

No. of Pages: 57 No. of Claims: 38

(22) Date of filing of Application :27/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR TREATING A FLUID

(51) International classification :C02F1/00,C02F1/46,C02F1/48 (71)Name of Applicant :

(31) Priority Document No :2012/08567 (32) Priority Date :14/11/2012 (33) Name of priority country :South Africa

(86) International Application No :PCT/IB2013/060129

Filing Date :14/11/2013

(87) International Publication No :WO 2014/076651

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

:NA Number :NA Filing Date

1)UNIVERSITY OF SOUTH AFRICA

Address of Applicant :Preller Street Muckleneuk 0002 Pretoria

South Africa

(72) Name of Inventor:

1)HOFSAJER Ivan William

2) VALLABHAPURAPU Vijaya Srinivasu

3)HO Wei Hua

#### (57) Abstract:

A method and an apparatus for treating a fluid are disclosed. The apparatus includes a cylindrical chamber of non magnetic material for holding a volume of fluid to be treated. The fluid contains a quantity of magnetic particles preferably nanoparticles having desired properties for treating the fluid. The apparatus includes a magnetic field generator for creating a non static magnetic field within the chamber thereby to induce motion in the magnetic particles within the chamber in use. The chamber has an inlet through which fluid to be treated can be introduced and an outlet through which treated fluid can be removed from the chamber. Sets of windings are disposed concentrically about the chamber and arranged to create a rotating magnetic field within the chamber. Preferably the rotating magnetic field rotates in the opposite sense to swirling rotation of the fluid in the chamber. This enhances contact between the nanoparticles and the fluid to be treated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4567/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS AND THERAPEUTIC APPLICATIONS OF A HYDROCORTISONE DERIVATIVE DESIGNATED AS DEINA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:26/11/2010 :WO 2011/064753 :NA :NA :NA	(71)Name of Applicant:  1)BARCO GIOVANNI  Address of Applicant: VIA ANGELO BATTELLI 39, I-56128 PISA ITALY. Italy (72)Name of Inventor:  1)BARCO GIOVANNI
Filing Date	:NA	

## (57) Abstract:

The invention relates to the hydrocortisone derivative of formula (I), whose IUPAC name is 3-[3,5-Dihydroxy-3-(2-hydroxy-acetyl)-3a,6-dimethyl-7-oxo-dodecahydro-cyclo- penta[alpha]naphthalen-6-yl]-propionic acid, designated as Deina®, for use in the treatment of atrophic tissues, particularly skin, cartilage, connective, and mucosal tissues and scalp skin. formula (I)

No. of Pages: 33 No. of Claims: 12

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HYBRID PLANAR MIXED HETEROJUNCTION FOR ORGANIC PHOTOVOLTAICS

(51) International classification (31) Priority Document No	:H01L51/42,H01L51/00 :61/729376	(71)Name of Applicant: 1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN
· · ·		
(32) Priority Date	:22/11/2012	Address of Applicant :Office Of Technology Transfer 1600
(33) Name of priority country	:U.S.A.	Huron Parkway 2nd Floor Ann Arbor MI 48109 U.S.A.
(86) International Application No	:PCT/US2013/071466	(72)Name of Inventor:
Filing Date	:22/11/2013	1)FORREST Stephen R.
(87) International Publication No	:WO 2014/082006	2)ZIMMERMAN Jeramy D.
(61) Patent of Addition to Application	:NA	3)XIAO Xin
Number	:NA	
Filing Date	11 (12	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed herein are organic photosensitive optoelectronic devices comprising two electrodes in superposed relation; a mixed photoactive layer located between the two electrodes wherein the mixed photoactive layer comprises at least one donor material having a HOMO energy and at least one acceptor material having a LUMO energy wherein the at least one donor material and the at least one acceptor material form a mixed donor acceptor heterojunction; a photoactive layer adjacent to and interfacing with the mixed photoactive layer wherein the photoactive layer comprises a material having a LUMO energy within 0.3 eV of the LUMO energy of the at least one acceptor material or a HOMO energy within 0.3 eV of the HOMO energy of the at least one donor material; and a buffer layer adjacent to and interfacing with the mixed photoactive layer.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DOSAGE REGIMEN FOR ADMINISTERING A CDI9XCD3 BISPECIFIC ANTIBODY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K 39/395 :09174104.1 :27/10/2009 :EUROPEAN UNION :PCT/EP2010/066207 :27/10/2010 :WO 2011/051307 :NA	(71)Name of Applicant:  1)MICROMET AG Address of Applicant:STAFFELSEESTR. 2, 81477  MUNICH, GERMANY Germany (72)Name of Inventor:  1)NAGORSEN, DIRK 2)KUFFER, PETER 3)ZUGMAIER, GERHARD 4)BAEUERLE, PATRICK
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention relates to a method for assessing (analyzing) the risk of potential adverse effects for a human patient mediated by the administration of a CD19xCD3 bispecific antibody to said patient comprising determining the ratio of B cells to T cells of said patient, wherein a ratio of about 1:5 or lower is indicative for a risk of potential adverse effects for said patient. Accordingly, the present invention relates a method (dosage regimen) for administering a CD19xCD3 bispecific antibody to a human patient having a B: T cell ratio of about 1:5 or lower, comprising (a) administering a first dose of said antibody for a first period of time; and consecutively (b) administering a second dose of said antibody for a second period of time, wherein said second dose exceeds said first dose. In some embodiments, a third dose of said antibody is administered for a third period of time. This dosage regimen can be applied in methods for treating malignant CD19 positive lymphocytes or for ameliorating and/or preventing an adverse effect mediated by the administration of said bispecific antibody. The present invention also relates to the use of a CD19xCD3 bispecific antibody for the preparation of a pharmaceutical composition to be used in a method of the present invention. A pharmaceutical package or kit comprising a first dose and a second dose and optionally a third dose of said antibody as defined in the methods/dosage regimen of the present invention is disclosed as well.

No. of Pages: 72 No. of Claims: 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4429/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IMAGE PROCESSING DEVICE AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N19/50 :2012263810 :30/11/2012 :Japan :PCT/JP2013/081343 :21/11/2013 :WO 2014/084107 :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)SATO Kazushi
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#### (57) Abstract:

The present invention pertains to an image processing device and method that enable reductions in image quality to be minimized. Provided are: a threshold value setting unit that sets in accordance with the bit depth of image data a threshold value for identifying characteristics of the surrounding pixels of a current block in an intra prediction process performed when encoding the image data; and a filtering unit that filters the surrounding pixels by using a filter appropriate for the characteristics of the surrounding pixels identified by utilizing the threshold value set by the threshold value setting unit. The present invention can be applied to an image processing device for example.

No. of Pages: 268 No. of Claims: 8

(21) Application No.4570/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: NODE, SUPPORT FRAME, SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:24/11/2010 :WO 2011/068528	(71)Name of Applicant:  1)WERNER EXTRUSION SOLUTIONS LLC Address of Applicant:871 HOLDEN COURT LAKE FOREST, IL 60045, UNITED STATES OF AMERICA. U.S.A. (72)Name of Inventor: 1)CRAIG ROY WERNER 2)JOHN FUNAI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2011/068528 :NA :NA	2)JOHN FUNAI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A node for connecting together at least a first support element, a second support element and a third support element of a support frame such as a solar frame which supports solar reflectors. A method for connecting together at least a first support element, a second support element and a third support element of a solar frame which supports solar reflectors. A system for supporting solar reflectors includes a first support frame upon which the solar reflectors are disposed. A method for forming a support frame for solar reflectors. A system for constructing a support frame from parts, including chords, for solar reflectors. A method for constructing a support frame for solar reflectors.

No. of Pages: 140 No. of Claims: 23

(21) Application No.4570/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RADIOPAQUE BALLOON CATHETER AND GUIDEWIRE TO FACILITATE ALIGNMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61M25/01 :61/747422 :31/12/2012 :U.S.A. :PCT/IB2013/003069 :31/12/2013 :WO 2014/102611 :NA :NA	(71)Name of Applicant:  1)CLEARSTREAM TECHNOLOGIES LIMITED Address of Applicant: Moyne Upper Enniscorthy County Wexford Ireland (72)Name of Inventor: 1)STAPLETON Corey E.
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An apparatus includes a catheter having a balloon including at least one first radiopaque marking. A guidewire guides the balloon to the treatment area and includes at least one second radiopaque marking adapted for corresponding to the at least one first radiopaque marking of the balloon when positioned at the treatment area. Related aspects and methods are disclosed.

No. of Pages: 27 No. of Claims: 23

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: OLEFIN FEED PURIFICATION PROCESS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:C07C 7/10 :61/281,162 :13/11/2009 :U.S.A. :PCT/US2010/055534	(71)Name of Applicant: 1)EXXONMOBIL RESEARCH AND ENGINEERING COMPANY Address of Applicant: 1545 ROUTE 22, EAST, P.O. BOX 900, ANNANDALE, NJ 08801-0900, USA U.S.A.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:05/11/2010 :WO 2011/059878 :NA :NA	(72)Name of Inventor: 1)MICHAEL C. CLARK 2)MARK J. REICHENSPERGER 3)KEVIN J. BERNING 4)TODD MILES
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A light olefin feed for an olefin conversion process is subjected to a water wash to remove water-soluble contaminants after which the water is separated from the olefin prior to the conversion reaction. The water used for the wash is free of boiler feedwater additives, especially basic nitrogenous additives, which adversely affect catalytic function.

No. of Pages: 24 No. of Claims: 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4418/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: FLOW DEFLECTOR

(51) International classification :F02M25/07,F28D7/16,F28F9/22 (71)Name of Applicant:

(31) Priority Document No :12382412.0 (32) Priority Date :25/10/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/072336

:24/10/2013 Filing Date

(87) International Publication No:WO 2014/064225

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

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

Filing Date

1)BORGWARNER EMISSIONS SYSTEMS SPAIN S.L.U.

Address of Applicant: Carretera de Zamanes 20 E 36315 Vigo

Pontevedra Spain

2)BORGWARNER INC

(72)Name of Inventor:

1) GRANDE FERN • NDEZ Jos Antonio

2)FOLGUEIRA Adri;n 3)MART • NEZ Gaspar

## (57) Abstract:

The present invention is a flow deflector suitable for a heat exchanger of the type consisting of at least one core made up of tubes forming a bundle arranged inside a shell and at least one baffle. The deflector according to the invention is an easily manufactured part independent from the construction of the bundle of tubes and of the baffle which allows modifying the coolant fluid or liquid flow path with greater freedom than that achieved by combining internal openings in the baffle or baffles. Another object of this invention is the heat exchanger obtained using the deflector for optimising coolant liquid flow path. The application of the invention in heat exchangers for EGR (Exhaust Gas Recirculation) systems is of special interest.

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

(21) Application No.4419/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ALKYNYL DERIVATIVES USEFUL AS DPP-1 INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61P 11/06 :61/256,171 :29/10/2009 :U.S.A. :PCT/US2010/054445 :28/10/2010 :WO 2011/059731 :NA :NA	3)YIFANG HUANG 4)ALLEN B. REITZ 5)EDWARD C. LAWSON 6)CARSTEN SCHUBERT 7)ERIC STROBEL
- 1 11	:NA	

# (57) Abstract:

The present invention is directed to novel alkynyl derivatives, pharmaceutical compositions containing them and their use in the treatment of disorders and conditions modulated by DPP-1.

No. of Pages: 62 No. of Claims: 17

(22) Date of filing of Application :22/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LOW ENERGY INPUT CHARGER WITHOUT MAGNET

(51) International classification (31) Priority Document No	:H02J7/00 :P00201200909	(71)Name of Applicant: 1)PT. TERANG DUNIA LESTARI
(32) Priority Date	:25/10/2012	Address of Applicant :Jln. Raya Jakarta Bogor Km. 246
(33) Name of priority country	:Indonesia	Jakarta Timur Indonesia
(86) International Application No		(72)Name of Inventor:
Filing Date (87) International Publication No	:28/12/2012 :WO 2014/064669	1)GUNAWAN Marsianto
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention is related to a low energy input charger without magnet which can generate vacuum energy obtained when The breaking parts of air atomic nuclei is absorbed by coil unit so that generates magnetic field waves in between south and north magnetic poles. In the center of coil unit electrical discharge effect will occur to generate bigger energy than input energy by using electromagnetic wave from a coil which can use vacuum energy so that by using low energy source it is possible to charge various sizes of battery or accumulator. Especially by using or utilizing energy that available in the universe i.e. vacuum energy which is environmentally friendly and safe. The purposes can be reached by a low energy input charger without magnet according to the embodiment of this invention in which the low energy input charger without magnet is characterized by: A power supply unit; A PWM unit; A coil unit; An input power unit; An output power unit; A super capacitor unit; A 220 v neon bulb unit; An electrical fan unit. While the advantage and benefit of low energy input charger without magnet is the method or system which is designed specially with electromagnetic wave technology which can utilize renewable energy which is vacuum energy so that it can generate unlimited cheap and environmentally friendly energy.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4580/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DEVICE FOR MONITORING SAMPLE-COLLECTION USING A PISTON PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:08/11/2010 :WO 2011/058268 :NA :NA	(71)Name of Applicant:  1)PULSSAR TECHNOLOGIES  Address of Applicant:60 RUE DE WATTINGNIES - 75012  PARIS, FRANCE France (72)Name of Inventor:  1)KHALED ABOUSALEH
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates to a device (1) for monitoring sample-collection carried out using a piston pump (3, 8) such as a syringe, characterised in that said device includes a pressure sensor (11) close to the suction and/or delivery opening (6). Said device is in particular suited for use in an analysis automaton, in particular for analysing a blood sample. Such a sensor guarantees that the liquid to be analysed is properly sucked up, in particular float no air is sucked up and that neither the suction or delivery sides are blocked.

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

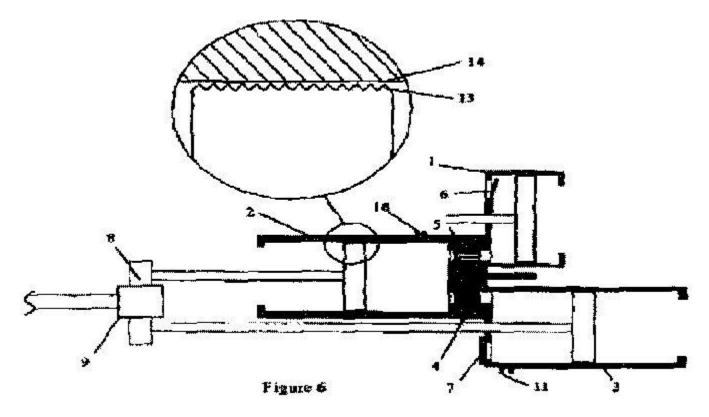
(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A HEAT ENGINE

(51) International classification	:F01N 5/02	(71)Name of Applicant:
(31) Priority Document No	:0918707.1	1)ULTRAMO LIMITED
(32) Priority Date	:23/10/2009	Address of Applicant :UNITED 5B MOREHOUSE
(33) Name of priority country	:U.K.	BUSINESS CENTRE, DITCHLING ROAD, HAYWARDS
(86) International Application No	:PCT/GB2010/001977	HEALTH, SUSSEX RH17 7RE, UNITED KINGDOM U.K.
Filing Date	:25/10/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/048392	1)COATES, NICHOLAS, RICHARD
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A non-compression engine having two or three variable volume machanisms, an induction-displacer 1 and a combustion-expander 2, or an induction-displacer 1 and a combustion-expander 2 and an atmospheric-cooler 3. A working volume of gas is drawn into the induction-displacer, then displaced into the combustion-expander 2 at substantially constant volume passing through the regenerator 5. The gas in the combustor-expander 2 is further heated by combustion of a fuel then expanded to extract work. The gas is then displaced through the regenerator 5 into the atmospheric-cooler 3 at substantially constant volume, or exhaust from the regenerator at constant pressure. The gas is contracted in the atmospheric-cooler doing atmospheric work. Once the gas has equilibrated with the pressure of the atmosphere it is exhaust from the atmospheric-cooler 3.



No. of Pages: 48 No. of Claims: 30

(21) Application No.4563/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ULTRASONIC SENSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:06/10/2010 :WO 2011/060999 :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany (72)Name of Inventor:  1)SCHNEIDER, MICHAEL  2)HOENES, FRANK  3)JORDANEK, OLAF
Filing Date (87) International Publication No (61) Patent of Addition to Application	:06/10/2010 :WO 2011/060999	1)SCHNEIDER, MICHAEL 2)HOENES, FRANK
Filing Date	:NA	

#### (57) Abstract:

Described herein is an ultrasonic sensor comprising a diaphragm cup (1), a housing (2) and a decoupling element (3), where the diaphragm cup (1) and the housing (2) have lateral surfaces (4,5). The decoupling element (3) is at least partially formed from an elastic material, and has a continuous recess (6) which is delimited by an inner wall (7) of the decoupling element (3). The diaphragm cup (1) and/or the housing (2) is/are at least partially arranged in the recess (6). The inner wall (7) of the decoupling element (3) is stretched by contraction of the elastic material, at least around a region (8, 9, 10) of the lateral surface (4) of the diaphragm cup (1) and/or of a lacquer layer (11) applied to the lateral surface (4) of the diaphragm cup (1) and/or of the lateral surface (5) of the housing (1), where the region extensively encircles the diaphragm cup (1) and/or the housing (2), in such a manner that the inner wall (7) is flush against the lateral surface (4) of the diaphragm cup (1) and/or the lacquer layer (11) applied to the lateral surface (4) of the diaphragm cup (1) and/or the lateral surface (5) of the housing (2) in this region.

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LINING FOR AN ALUMINIUM ELECTROLYZER HAVING INERT ANODES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C25C3/08 :NA :NA :NA :NA :PCT/RU2012/000933 :13/11/2012 :WO 2014/077720 :NA :NA :NA	(71)Name of Applicant:  1)OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO TEKHNOLOGICHESKIY TSENTR Address of Applicant :ul. Pogranichnikov 37/1 Krasnoyarsk 660111 Russia (72)Name of Inventor: 1)GUSEV Aleksandr Olegovich 2)BURTSEV Aleksey Gennadevich 3)SKURATOV Sergey Vladimirovich 4)GRIGOREV Vyacheslav Georgievich 5)TEPIKIN Sergey Viktorovich 6)ERMAKOV Aleksandr Victorovich 7)EFREMOV Boris Sergeevich 8)SHEMET Yuriy Vasilevich
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#### (57) Abstract:

The invention relates to a lining for an aluminium electrolyzer. The lining for an aluminium electrolyzer having inert anodes and being enclosed in a cathode casing comprises a bottom formed from taller bottom blocks having projections and shorter bottom blocks the shorter bottom blocks being mounted at the ends of the bottom of the cathode device wherein the shorter bottom blocks alternate with the taller bottom blocks having projections and vertical channels are provided in the projections of the blocks over the entire thickness of the block for the mounting of conductive elements formed from aluminium and attached in the lower part to a current carrying collector that is in the form of a plate which extends out of the ends of the bottom blocks and through the longitudinal sides of the cathode casing. This reduces the amount of heat extracted by the conductive aluminium elements and results in stable electrical resistance of the conductive elements over the course of the entire service life of the electrolyzer.

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

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

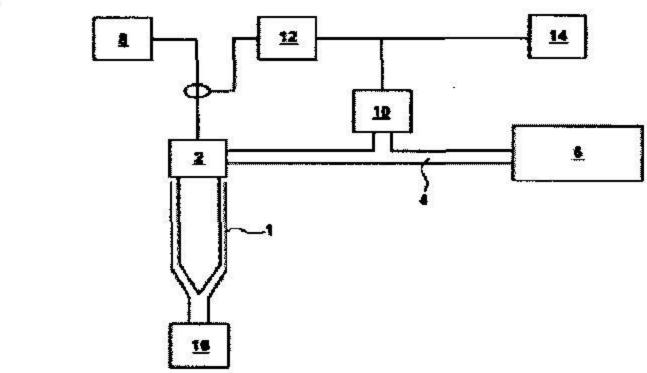
# (54) Title of the invention: METHOD AND DEVICE FOR TESTING A FUEL INJECTOR

		(71)Name of Applicant :
(51) International classification	:F02D 41/24	1)ROBERT BOSCH GMBH
(31) Priority Document No	:102010001387.0	Address of Applicant :POSTFACH 30 02 20, 70442
(32) Priority Date	:29/01/2010	STUTTGART, GERMANY Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/050009	1)FRIEDMANN, JOCHEN
Filing Date	:03/01/2011	2)BOIE, CHRISTIAN
(87) International Publication No	:WO 2011/092042	3)STAIB, JOERG
(61) Patent of Addition to Application	:NA	4)HOLL, EDGAR
Number	:NA	5)RENSCH, BERTRAM
Filing Date	:NA	6)FREITAG, GUNTER
(62) Divisional to Application Number	:NA	7)STRACK, DANIEL
Filing Date	:NA	8)FREUNDT, DIRK
-		9)HENNER, WOLFGANG

# (57) Abstract:

A method is described for selecting a method for determining the injection time of individual injection processes of a fuel injector (2), which is supplied with pressurized fuel via a feed line (4). The fuel injector (2) is actuated using various known actuation durations around a predefined operating point of the fuel injector (2). A pressure course is detected over time in the feed line (4) for a number of injection processes. The detected pressure courses over time are evaluated using at least two different methods (211, 212, 213) for determining respective injection time. Further, a correlation (221, 222, 223) between the determined injection times and an associated actuation duration is determined and the method with the highest correlation is selected (230).

Fig. 1



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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: WELDING RESOURCE PERFORMANCE GOAL SYSTEM AND METHOD

(51) International classification	:G05B23/02,B23K9/095	(71)Name of Applicant:
(31) Priority Document No	:13/837976	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:15/03/2013	Address of Applicant :155 Harlem Avenue Glenview Illinois
(33) Name of priority country	:U.S.A.	60025 U.S.A.
(86) International Application No	:PCT/US2014/020920	(72)Name of Inventor:
Filing Date	:05/03/2014	1)LAMERS Nathan John
(87) International Publication No	:WO 2014/149786	2)LEITERITZ Nathan Gerald
(61) Patent of Addition to Application	:NA	3)FROLAND Knut Norman
Number	:NA	4)HOLVERSON Todd Earl
Filing Date	.NA	5)POPP Gregory David
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Metal fabrication systems and related equipment may be monitored by collecting and transmitting parameter data relating to welding operations to a memory and processing system. Goals for selected parameters may be pre defined and certain of these may be standard for corresponding welding systems locations operations operators and so forth. Upon request a web based report is generated and delivered to a user that indicates the system or systems comparisons of the actual system performance versus the goals time periods for the comparisons and so forth.

No. of Pages: 31 No. of Claims: 20

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING PAYMENT USING A TRANSACTION AMOUNT INPUT WINDOW

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06Q 20/00 :10-2009-0116751 :30/11/2009 :Republic of Korea :PCT/KR2010/005204 :09/08/2010 :WO 2011/065649 :NA :NA :NA	(71)Name of Applicant:  1)YANG, JIN HO  Address of Applicant:1006 HALLA SIGMA PARK 276-1 SEOHYEON-DONG BUNDAN-GU, SEONGNAM-SI GYEONGGI-DO 463-050 REPUBLIC OF KOREA Republic of Korea  2)EZWON INTERNET SERVICES CO., LTD. (72)Name of Inventor: 1)YANG, JIN HO
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#### (57) Abstract:

The present invention relates to a system and method for providing payment means using a transaction amount input window. The payment means providing system of the present invention provides payment means between a seller system and a purchaser system so as to facilitate transactions between the seller system and the purchaser system, using a web environment connected through the Internet. The payment means providing system generates a payment window containing a seller membership identifier as metadata when the seller has finished membership joining processes, and provides the seller system with the generated payment window. Then, the payment means providing system permits the seller system to store the payment window in the web environment, and additionally input detailed transaction data containing a transaction amount into the payment window, and permits the payment window to be exposed to the web environment. When the purchaser presses the exposed payment window, the payment means providing system receives detailed transaction data and the seller membership identifier from the web environment, and provides the purchaser system with a final amount window in which the detailed transaction data are displayed.

No. of Pages: 64 No. of Claims: 16

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: WELDING RESOURCE PERFORMANCE COMPARISON SYSTEM AND METHOD

(51) International classification	:G05B23/02,B23K9/095	(71)Name of Applicant:
(31) Priority Document No	:13/838541	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:15/03/2013	Address of Applicant :155 Harlem Avenue Glenview Illinois
(33) Name of priority country	:U.S.A.	60025 U.S.A.
(86) International Application No	:PCT/US2014/017862	(72)Name of Inventor:
Filing Date	:22/02/2014	1)LAMERS Nathan John
(87) International Publication No	:WO 2014/143532	2)LEITERITZ Nathan Gerald
(61) Patent of Addition to Application	:NA	3)FROLAND Knut Norman
Number	:NA	4)HOLVERSON Todd Earl
Filing Date	.1171	5)POPP Gregory David
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Metal fabrication systems such as welding systems and related equipment may be analyzed and performance compared by collecting parameter data from the systems during welding operations via a web based system. The data is stored and analyzed upon request by a user. A user viewable page may be provided that allows for selection of systems and groups of systems of interest. Parameters to be used as the basis for comparison may also be selected. Pages illustrating the comparisons may be generated and transmitted to the user based upon the selections.

No. of Pages: 31 No. of Claims: 20

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention: MACHINE TOOL BIT DESIGN

(51) International classification	:B23B 51/00	(71)Name of Applicant:
(31) Priority Document No	:2009238245	1)SIMON DEAN GISCHUS
(32) Priority Date	:13/11/2009	Address of Applicant :137A MONBULK-SYLVAN, MT
(33) Name of priority country	:Australia	EVELYN VIC 3796, AUSTRALIA; Australia
(86) International Application No	:PCT/AU2010/001498	2)IAN LACHLAN KILPATRICK
Filing Date	:10/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/057328	1)GISCHUS, SIMON, DEAN
(61) Patent of Addition to Application	:NA	2)KILPATRICK, IAN LACHLAN
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A machine tool bit, such as a tool for drilling, milling, reaming or tapping or the like comprising a work portion (71) and a shank (73) extending from the work portion. The shank (73) is provided with one or more regions of reduced mechanical torque strength. Such regions can be for example, a reduced diameter (74), axial or longitudinal slots (84, 114), reduced cross sectional area (97), bores (94), annular notch or groove (63, 65), or a slot. The shank is preferably constructed with these features such that the transverse stability of the tool bit is greater than a machine tool bit in which an equivalent reduction in mechanical torque strength is achieved by a mere reduction in diameter of the shank. Technically, the Polar moment of inertia (resistance to torsion) of the modified shank is greater than the polar moment of inertia of a shank with a mere reduction in diameter of the shank. The notches, recesses, grooves, bores or the like may further be filled with a material (75) to provide additional transverse stability to these one or more regions of reduced mechanical torque strength.

No. of Pages: 31 No. of Claims: 14

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DEVICE FOR DETACHABLY FASTENING A CURRENT CONDUCTOR TO A CURRENT TRANSFORMER HOUSING

(51) International classification :H01F 27/06 (71)Name of Applicant: (31) Priority Document No :10 2009 059 012.9 1)PHOENIX CONTACT GMBH & CO. KG (32) Priority Date Address of Applicant: FLACHSMARKTSTRASSE 8, 32825 :17/12/2009 (33) Name of priority country BLOMBERG, GERMANY Germany :Germany (86) International Application No :PCT/EP2010/070073 (72)Name of Inventor : Filing Date :17/12/2010 1)LEIFER, CHRISTOPH (87) International Publication No :WO 2011/083030 2)THORNER, CARSTEN (61) Patent of Addition to Application 3)TRINH, DAT-MINH :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a device for detachably fastening a current conductor (10) to a current transformer housing (12) comprising a fastening element (16, 32), wherein the fastening element (16, 32) can be guided such that the fastening element (16, 32) at least partially contacts the surface of the current conductor (10) in a fastening state of the current conductor (10) on the current transformer housing (12). The invention is characterized in that the fastening element (16, 32) is implemented such that it performs a translator/displacement in the direction of the current conductor (10) when transitioning from an unfastened state to the fastened state of the current conductor (10) to the current transformer housing (12).

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: POLYURETHANE RESIN PRODUCTION METHOD

(51) International classification :C08G18/10,C08L75/04,C08K5/3435

(31) Priority Document No :2012255568 (32) Priority Date :21/11/2012

(33) Name of priority :Japan

country (86) International

Application No :PCT/JP2013/079791

Filing Date :01/11/2013

(87) International Publication No :WO 2014/080750

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

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

(71)Name of Applicant:

1)MITSUI CHEMICALS INC.

Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)Name of Inventor: 1)KAWATO Nobuo 2)OGAWA Tatsuya

3)HASHIMOTO Toshiya 4)TANAKA Mamoru

5)KUMA Shigetoshi

### (57) Abstract:

This polyurethane resin production method comprises: a step (i) in which a prepolymer is obtained by adding the alcohol (B) mentioned below to the isocyanate (A) mentioned below such that the percentage of hydroxyl groups with respect to isocyanato groups in the isocyanate (A) is in the range of 10 mol% to 20 mol% and then reacting the isocyanate (A) and the alcohol (B) in the presence of acidic phosphoric acid ester (C) and a hindered amine compound (D); a step (ii) in which a polymerizable composition is obtained by further adding the alcohol (B) mentioned below to the aforementioned prepolymer at 30°C or below and mixing; and a step (iii) in which the prepolymer contained in the polymerizable composition and the alcohol (B) are polymerized. The isocyanate (A) is one or more types of isocyanate having two or more isocyanato groups such as an aromatic isocyanate. The alcohol (B) comprises one or more types of alcohol having two or more hydroxyl groups and the percentage of secondary hydroxyl groups is at least 50 mol% with respect to the total number of moles of primary and secondary hydroxyl groups contained in the alcohol (B).

No. of Pages: 76 No. of Claims: 20

(21) Application No.4569/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

## (54) Title of the invention: A GEARED HYDRAULIC MACHINE

(51) International classification	:F04C 2/08	(71)Name of Applicant:
(31) Priority Document No	:RE2009A000122	1)INTERPUMP ENGINEERING S.R.L.
(32) Priority Date	:23/12/2009	Address of Applicant :2, VIA G.B. VICO, I-42100 REGGIO
(33) Name of priority country	:Italy	EMILIA, ITALY Italy
(86) International Application No	:PCT/IB2010/003139	(72)Name of Inventor:
Filing Date	:06/12/2010	1)MONTIPO' FULVIO
(87) International Publication No	:WO 2011/077209	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A geared hydraulic machine destined to function as a pump or a motor, comprising at least a module (1) comprising a body (10) in which two chambers are afforded, which two chambers intersect, and each of which contains a gear (12, 13) which enmeshes with a gear (12, 13) contained in the other chamber, the body (10) having at least an open end that is closed by a cover (20) comprising at least a seating (21, 22) for a support bearing (210, 220) of at least a gear (12, 13) offite gears; the coupling between the body (10) and the cover (20) comprises at least two abutments (23, 24) which are fashioned in one of the body (10) and the cover (20), each of which abutments (23, 24) is housed in a respective sunken seating (16, 17) which is afforded in the other of the body (10) and the cover (20).

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

(21) Application No.4569/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BALLOON CATHETER WITH ADJUSTABLE INNER MEMBER

:A61M25/10,A61M25/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)C.R. BARD INC. :61/747448 (32) Priority Date :31/12/2012 Address of Applicant: 730 Central Avenue Murray Hill NJ (33) Name of priority country :U.S.A. 07974 U.S.A. (86) International Application No :PCT/US2013/078427 (72) Name of Inventor: Filing Date :31/12/2013 1)STAPLETON Corey E. (87) International Publication No :WO 2014/106226 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A balloon catheter (10) with a shaft (14 24) extending in a longitudinal direction and having a proximal end and a distal end and an inflatable balloon positioned along the shaft. The balloon (12) includes at least one portion connected to the shaft and adapted for moving toward the proximal end thereof when the balloon is inflated. Related aspects are disclosed.

No. of Pages: 24 No. of Claims: 36

(21) Application No.4580/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PREPARATION OF POLY ALPHA 1 3 GLUCAN ETHERS

<ul> <li>(51) International classification</li> <li>(31) 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>	:61/740087 :20/12/2012 :U.S.A.	(71)Name of Applicant:  1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant: 1007 Market Street Wilmington DE 19898 U.S.A. (72)Name of Inventor: 1)PAULLIN Jayme L.
<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 2014/099724 :NA :NA :NA :NA	2)PERTICONE Andrea M. 3)KASAT Rahul B. 4)DENNES T. Joseph

# (57) Abstract:

Poly alpha 1 3 glucan ether compounds are disclosed herein with a degree of substitution of about 0.05 to about 3.0. Also disclosed are methods of producing poly alpha 1 3 glucan ether compounds.

No. of Pages: 49 No. of Claims: 15

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TUNABLE LIGHT SOURCE FOR LABEL-INDEPENDENT OPTICAL READER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:09/11/2010 :WO 2011/059928 :NA :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 RIVERFRONT PLAZA, CORNING, NEW YORK 14831, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor:  1)QI WU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A tunable light source for interrogating at least one resonant waveguide grating (RWG) biosensor having a resonance linewidth. The tunable light source includes a broadband light source that emits a light beam having a first spectral bandwidth greater than the RWG biosensor resonance linewidth. The broadband light source may be substantially spatially incoherent. A tunable optical filter having a tunable spectral linewidth is arranged to receive and filter the light beam to cause the light beam to have a second spectral bandwidth substantially the same as the RWG biosensor resonance linewidth. Label-independent optical readers that employ the tunable light source are also disclosed.

No. of Pages: 49 No. of Claims: 27

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS FOR PREPARING AND REPAIRING CHEMICALLY RESISTANT COATINGS

(51) International classification	:C23C26/00,C23C30/00	(71)Name of Applicant:
(31) Priority Document No	:61/731109	1)GLASSLINED TECHNOLOGIES INC.
(32) Priority Date	:29/11/2012	Address of Applicant :1371 Willow Run Suite 104 Greensboro
(33) Name of priority country	:U.S.A.	GA 30642 U.S.A.
(86) International Application No	:PCT/US2013/072113	(72)Name of Inventor:
Filing Date	:27/11/2013	1)ROBERTS Thomas R.
(87) International Publication No	:WO 2014/085512	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides methods for preparing or repairing a chemically resistant coating such as a porcelain enamel on a metal substrate. One such method involves forming a softened ground coat on the substrate by heating to or maintaining an elevated temperature followed by flame spray depositing a coating material onto the softened ground coat. Then the substrate is allowed to cool slowly so the chemically resistant coating can form with less stress. Optionally an induction coil is used to heat the substrate both to form the softened ground coat and to slow the cooling of the substrate. Such methods allow for easier and faster repairs and even in situ repairs of articles such as chemical reactor vessels covers baffles thermowells agitators agitator shafts pipes heat exchangers and storage tanks. Articles having a chemically resistant coating also form a part of the invention.

No. of Pages: 52 No. of Claims: 69

(21) Application No.4582/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BIOPSY SYSTEM WITH INFRARED COMMUNICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:29/10/2010 :WO 2011/053751 :NA	(71)Name of Applicant: 1)C.R. BARD, INC. Address of Applicant:730 CENTRAL AVENUE, MURRAY HILL, NJ 07974, U.S.A. U.S.A. (72)Name of Inventor: 1)PETER L. SORENSEN 2)CLAUS REUBER
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A biopsy system includes a host and a biopsy driver assembly. The host is configured to execute program instructions associated with an application. The host has a first IrDA interface. The biopsy driver assembly has a controller for executing program instructions and a user interface providing user input to the controller. The biopsy driver assembly has a second IrDA interface. The second IrDA interface is default disabled. The controller of the biopsy driver assembly has sole control in enabling the second IrDA interface to in turn enable an infrared communications link between the first IrDA interface of the host and the second IrDA interface of the biopsy driver assembly.

No. of Pages: 32 No. of Claims: 23

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DIELECTRIC WAVEGUIDE FILTER WITH DIRECT COUPLING AND ALTERNATIVE CROSS COUPLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H01P1/208 :61/730615 :28/11/2012 :U.S.A. :PCT/US2013/071859 :26/11/2013 :WO 2014/085383 :NA :NA :NA	(71)Name of Applicant:  1)CTS CORPORATION  Address of Applicant:905 West Boulevard North Elkhart  Illinois 46514 U.S.A.  (72)Name of Inventor:  1)ROGOZINE Alexandre  2)VANGALA Reddy
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#### (57) Abstract:

A dielectric waveguide filter comprising a block of dielectric material covered with an exterior layer of conductive material. A plurality of stacked resonators are defined in the block of dielectric material by one or more slots in the block of dielectric material and an interior layer of conductive material that separates the stacked resonators. First and second RF signal transmission windows in the interior layer of conductive material provide for both direct and cross coupling RF signal transmission between the stacked resonators. In one embodiment the waveguide filter is comprised of separate blocks of dielectric material each covered with an exterior layer of conductive material each including one or more slots defining a plurality of resonators and coupled together in a stacked relationship.

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: WIND ENERGY CONVERSION SYSTEM WITH KITES TOWING MODULES ON A RAIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:NA :- : :PCT/IT2012/000369 :07/12/2012 :WO 2014/087436 :NA :NA	(71)Name of Applicant:  1)KITE GEN RESEARCH S.R.L.  Address of Applicant: Viale XXV Aprile 8 10023 Chieri (TO)  Italy (72)Name of Inventor:  1)IPPOLITO Massimo
Filing Date	:NA	

## (57) Abstract:

A wind system (1) for converting energy is described comprising: at least one kite (2) adapted to be driven from ground immersed in a wind current (W); at least one module (5) adapted to translate on a rail (6; 7) placed next to ground the module (5) being connected through a rope (4) to the kite (2) the kite (2) being adapted to be driven by the module (5) in order to drag the module (5) on the rail (6; 7) and perform said conversion of wind energy into electric energy through a generating system cooperating with module (5) and rail (6; 7) the rope (4) being adapted both to transmit mechanical energy from and to said kite (2) and to control a flight trajectory of the kite (2) the generating system comprising at least one generator/motor (20) which is adapted to convert wind energy into electrical energy by means of a movement of the module (5) relative to the rail (6; 7) the module (5) being equipped with at least one trolley (11) to translate along the rail (6; 7); the trolleys (11) are adapted to translate on the rails (6; 7) by means of a monolithic rotor (42) to which the trolleys (11) are connected the monolithic rotor (42) being operatively coupled with a plurality of magnetic sliding elements (46) capable of sliding along a magnetic rail (54) without direct contact therewith.

No. of Pages: 105 No. of Claims: 17

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROJECTED CAPACITIVE TOUCH PANEL WITH A SILVER INCLUSIVE TRANSPARENT CONDUCTING LAYER(S)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:19/11/2013 :WO 2014/085135	(71)Name of Applicant:  1)GUARDIAN INDUSTRIES CORP.  Address of Applicant: 2300 Harmon Road Auburn Hills MI 48326 1714 U.S.A. (72)Name of Inventor:  1)DEN BOER Willem 2)KRASNOV Alexey
	:WO 2014/085135 :NA :NA :NA :NA	2)KRASNOV Alexey

### (57) Abstract:

A projected capacitive touch panel including a substrate a silver inclusive transparent conductive coating which forms a plurality of row electrodes a plurality of column electrodes and a plurality of conductive traces and a signal processor which sequentially measures a capacitance between each of row electrodes and an adjacent column electrode. The row electrodes the plurality of column electrodes and the plurality of traces are on a plane substantially parallel to the substrate. Each of the row electrodes is electrically connected to the signal processor by one of the plurality of conductive traces. The plurality of traces are at least partially substantially parallel to the column electrodes.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: NOVEL 1,3-OXAZOLIDINE COMPOUNDS AND THEIR USE AS RENIN INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C07D 263/04 :0950845-8 :09/11/2009 :Sweden :PCT/SE2010/051181 :29/10/2010 :WO 2011/056126	(71)Name of Applicant:  1)NOVADEX PHARMACEUTICALS AB Address of Applicant: ALFRED NOBELS ALLE 10, S-141 52 HUDDINGE, SWEDEN Sweden (72)Name of Inventor: 1)XIAO XIONG ZHOU 2)MIKHAJLOVICH ANTONOV DMITRY
. ,		1` '
(87) International Publication No	:WO 2011/056126	2)MIKHAJLOVICH ANTONOV DMITRY
(61) Patent of Addition to Application Number	:NA	3)PIAOYANG SUN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to certain novel 1,3-oxazolidine compounds of formula (I), to processes for making such compounds and to their utility as renin inhibitors or prodrugs of renin inhibitors.

No. of Pages: 131 No. of Claims: 23

(21) Application No.4578/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: CXCR7 ANTAGONISTS

(51) International

:C07D403/06,C07D403/12,C07D403/14 classification

(31) Priority Document

:61/731463

(32) Priority Date :29/11/2012 (33) Name of priority

country

:U.S.A.

(86) International :PCT/US2013/072067 Application No

:26/11/2013 Filing Date

(87) International

:WO 2014/085490 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)CHEMOCENTRYX INC.

Address of Applicant :850 Maude Avenue Mountain View

California 94043 U.S.A.

(72) Name of Inventor:

1)FAN Junfa

2)KRASINSKI Antoni 3)LANGE Christopher W.

4)LUI Rebecca M.

5)MCMAHON Jeffrey P.

6)POWERS Jay P.

7) ZENG Yibin

8) ZHANG Penglie

## (57) Abstract:

Compounds having formula (I) (structurally represented) or pharmaceutically acceptable salts hydrates or N oxides thereof are provided and are useful for binding to CXCR7 and treating diseases that are dependent at least in part on CXCR7 activity. Accordingly the present invention provides in further aspects compositions containing the compounds in admixture with a pharmaceutically acceptable excipient.

No. of Pages: 198 No. of Claims: 29

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: COOKING APPLIANCE HAVING THERMAL DECOMPOSITION FUNCTION

(51) International classification: F24C9/00,F24C15/00,F24C15/20 (71) Name of Applicant: (31) Priority Document No :1020120129222 1)LEE Younghee (32) Priority Date Address of Applicant :Baekyeon Wonroom 4th Floor 1265 4 :15/11/2012 (33) Name of priority country Dukjin dong 1 ga Dukjin gu Jeonju Jeollabuk do 561 807 :Republic of Korea Republic of Korea (86) International Application :PCT/KR2013/008770 (72) Name of Inventor: No :01/10/2013 Filing Date 1)LEE Younghee (87) International Publication :WO 2014/077505 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

## (57) Abstract:

Filing Date

Number

(62) Divisional to Application

:NA

:NA

The present invention relates to a cooking appliance including: a cooking chamber surrounded by a cooking chamber wall and a door; a heating means disposed in the cooking chamber for emitting heat; a combustion pipe which is a pipe formed so as to be hollow in order to surround the heating means and which is heated by the heating means so that radiation heat therefrom is provided to the central part of the cooking chamber; a combustion space which is a space formed between the heating means and the combustion pipe and in which a contaminant is thermally decomposed by heat from the heating means; a blowing fan which takes air into the cooking chamber and moves a part or the entire mass of the air that has been taken in through a connection pipe to the combustion space; the connection pipe which connects the combustion pipe with the blowing fan so that the communication of the air is possible; and an outlet through which the gases that contain water vapors in the combustion space are discharged out of the cooking appliance. According to the cooking appliance of the present invention the heating means heats the combustion space so as to thermally decompose contaminants. Further the radiation heat is provided to the cooking chamber through the combustion pipe so that food is heated with high energy efficiency.

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

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

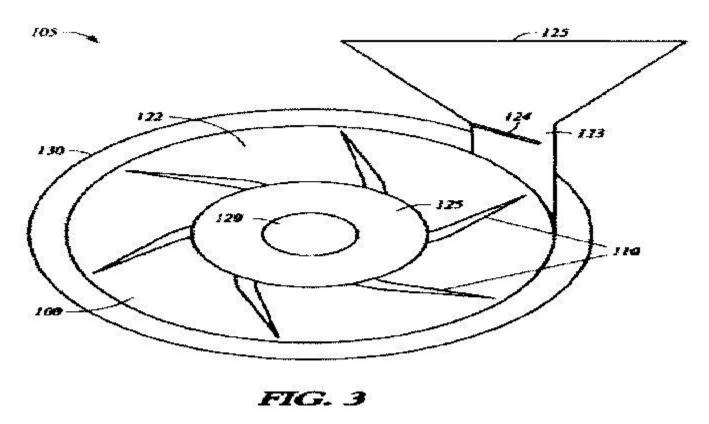
(43) Publication Date: 27/11/2015

# (54) Title of the invention: COMPOSITE BOUNDARY LAYER TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:F01D 1/36 :61/257,988 :04/10/2009 :U.S.A. :PCT/US2010/055515 :04/11/2010 :WO 2011/057928 :NA	(71)Name of Applicant:  1)WILSON ERICH, A.  Address of Applicant: 906 NORTH 2770, WEST PROVO, UT 84601, UNITED STATES OF AMERICA U.S.A.  2)HOLT DREW (72)Name of Inventor:  1)WILSON ERICH, A.  2)HOLT DREW
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:NA	1)WILSON ERICH, A.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A turbine includes a plurality of stacked disks, each disk comprising an opening in the center of the disk, which forms a central flow chamber. The turbine further includes a first disk that is coupled to a bottom of the plurality of stacked disks. The first disk does not have an opening in the center like the stacked disks. There is a plurality of disk spacers positioned between one or more of the plurality of stacked disks, thereby creating flow channels between the disks. The flow channels extend from an outside perimeter of the stacked disks to the central flow chamber. A tapered armature is coupled to the first disk and positioned within the central flow chamber, and a fluid collection unit is in communication with the outside perimeter of the stacked disks.



No. of Pages: 25 No. of Claims: 15

(21) Application No.4498/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LAND BASED UNIT FOR SEISMIC DATA ACQUISITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/722024 :02/11/2012 :U.S.A.	(71)Name of Applicant:  1)FAIRFIELD INDUSTRIES INCORPORATED  Address of Applicant:1111 Gillingham Lane Sugar Land Texas 77478 U.S.A. (72)Name of Inventor:  1)GUYTON William  2)DOWNEY John C. 3)RICE Geoff  4)NIKIRK Christopher T.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one aspect a seismic data acquisition unit is disclosed including a closed housing containing: a seismic sensor; a processor operatively coupled to the seismic sensor; a memory operatively coupled to the processor to record seismic data from the sensor; and a power source configured to power the sensor processor and memory. The sensor processor memory and power source are configured to be assemble as an operable unit in the absence of the closed housing.

No. of Pages: 41 No. of Claims: 20

(21) Application No.4499/DELNP/2012 A

(19) INDIA

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

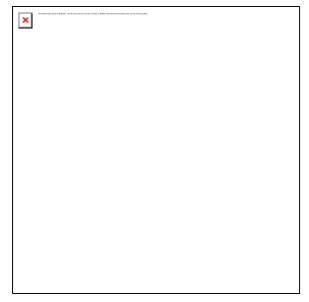
(43) Publication Date: 27/11/2015

# (54) Title of the invention: MULTI-PURPOSE AUXILIARY MEMBER FOR USE WITH PERSONAL CARDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A45C 11/18 :12/623,415 :21/11/2009 :U.S.A. :PCT/US2010/057619 :22/11/2010 :WO 2011/063331 :NA :NA	(71)Name of Applicant:  1)CARDWARE ,LLC. Address of Applicant:17841 HILLSIDE DRIVE, LAKE OSWEGO, OREGON 97034, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)MIADICH, JOHN B.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides multipurpose a multi-purpose auxiliary member for use with a personal card that may be carried in a card carrying case having at least one compartment. The multi-purpose auxiliary member includes at least one attachment component attachable to an edge portion of the personal card and at least one extension component. Technology may be associated with either an attachment component and/or an extension component. In particular, the present invention provides a personal card removal tool multi-purpose auxiliary member that can be used secure a personal card and remove the personal card from a card carrying case.



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

(21) Application No.4499/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: SUSPENSION SYSTEM FOR THE FRONT WHEEL OF SINGLE TRACK TWO WHEELED VEHICLES NAMELY MOTORCYCLES AND BICYCLES.

(51) International :B62K25/16,B62K21/18,B62K21/20

classification

(31) Priority Document No :2012/0541 (32) Priority Date :19/12/2012 (33) Name of priority country:Ireland

(86) International

:PCT/IE2013/000025 Application No :05/12/2013

Filing Date

(87) International Publication :WO 2014/097285

(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)RAE Robert

Address of Applicant: 17 Old Bundoran Road Ballytivnan

Sligo County Sligo Ireland (72) Name of Inventor: 1)RAE Robert

# (57) Abstract:

A linkage front wheel suspension system for two wheeled vehicles comprising of a control arm (4) hinged with the body (1) of the vehicle fork member (2) and steering member (3). An upper ball joint (6) connects said steering member (3) to the body (1) of the vehicle and a lower ball joint (8) connects the outer end of said control arm (4) with said fork member (2). Fork member (2) extends upwards and rearwards from said lower ball joint (8) to hinge with said steering member (3). Steering member (3) extends upwards and forwards from this pivot point (10) to said upper ball joint (6). Means of steering control (5) connects with said steering member (3). Means of springing/dampening (9) connects with at least one of the said steering/suspension members. Said suspension system can utilise a lighter design of main frame provide superior road holding and can have reduced compression when front wheel braking.

No. of Pages: 18 No. of Claims: 6

(21) Application No.4589/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 27/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WIRELESS NODE

:H04W40/24,H04W84/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1222015.8 (32) Priority Date :07/12/2012

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2013/053154 Filing Date :29/11/2013

(87) International Publication No :WO 2014/087138

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

1)CYAN TECHNOLOGY LTD

Address of Applicant :Buckingway Business Park Anderson

Road Swavesey Cambridgeshire CB24 4UQ U.K.

(72)Name of Inventor: 1)KERN Matthew

2)PAGE Stephen

#### (57) Abstract:

A wireless node (3) is for use in a wireless network (1) in which nodes (2 3) receive and transmit routing broadcasts (5) to acquire routing information (6). The node is configured to transmit a routing broadcast only by retransmitting a routing broadcast received from another node.

No. of Pages: 44 No. of Claims: 31

(21) Application No.4583/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: UNIFIED COMMUNICATIONS WITH A CLOUD CLIENT DEVICE

:G06F15/16,G06F21/30 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DELL PRODUCTS L.P. :61/749781 (32) Priority Date :07/01/2013 Address of Applicant :One Dell Way Round Rock Texas 78682 2244 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2014/010363 (72) Name of Inventor: Filing Date :06/01/2014 1)SCHWEBKE Curtis John (87) International Publication No :WO 2014/107671 2)RAO Kiran Ranganatha (61) Patent of Addition to Application 3)COOK Richard Graham :NA Number 4) COLEY Kenneth Craig :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

In one embodiment a cloud client device receives an indication of a coupling with a client device. The cloud client device sends authentication data to a cloud services system and receives data for configuring the cloud client device from the cloud services system the data including one or more software modules associated with a communication protocol. The cloud client device receives input from a user of the client device and transmits the input in accordance with the communication protocol.

No. of Pages: 41 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

(54) Title of the invention: STRUCTURE

(51) International classification (71)Name of Applicant: :B61D 21/00 1)NIPPON STEEL & SUMITOMO METAL (31) Priority Document No :2009-274920 (32) Priority Date :02/12/2009 CORPORATION (33) Name of priority country :Japan Address of Applicant: 6-1, MARUNOUCHI 2-CHOME, :PCT/JP2010/071324 CHIYODA-KU, TOKYO 100-8071, JAPAN Japan (86) International Application No Filing Date :30/11/2010 (72) Name of Inventor: (87) International Publication No :WO 2011/068093 1)ATSUSHI SETO (61) Patent of Addition to Application 2)TAKASHI MATSUNO :NA Number 3)EISAKU SAKURADA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.4584/DELNP/2012 A

## (57) Abstract:

A structure including a structural member (1) configured like a frame with four sides is disclosed A closed cross-section structural member (4) serving as a reinforcing material is provided in a crossing corner (2) of the structural member (1). The closed cross-section structural member (4) includes two horizontal portions (5) separated from each other in a thickness direction of the structural member {1} and extending in an in-plane direction of the structural member (1) and two vertical portions (6) one of which connects first ends of the two horizontal portions (5) together and the other of which connects second ends of the two horizontal portions (5) together. The closed cross-section structural member (4) includes a first opening (7) formed therein facing an inner-peripheral flat surface (la) of the structural member (1) and a second opening (8) formed therein facing inside of the structural member (1). The height h0 of the closed cross-section structural member {4} is substantially the same as the thickness H of the structural member (1). A flattening that is the ratio of the maximum width H of the second opening (8) to a height h0 of the closed cross-section structural member (1). A member (4) is greater than 1.0 and not greater than 3.0.

No. of Pages: 88 No. of Claims: 10

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: REALTIME IDENTIFICATION OF CONTEXT MISMATCH

:G06F17/27,G06F17/21 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DELL PRODUCTS L.P. :13/764466 (32) Priority Date :11/02/2013 Address of Applicant :One Dell Way Round Rock Texas 78682 2244 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2014/013969 (72) Name of Inventor: Filing Date :31/01/2014 1)SANAULLAH Abu Shaher (87) International Publication No :WO 2014/123760 2)CLARDY James Webster (61) Patent of Addition to Application 3)COX Claude Lano :NA Number 4)QUINN William B. :NA Filing Date 5)ANCONA Rocco (62) Divisional to Application Number :NA 6)STEDMAN Roy W. Filing Date :NA

### (57) Abstract:

Systems and method for realtime identification of a context mismatch are disclosed. The method may include determining a context mismatch based at least on an environmental context and a personal context wherein the environmental context and the personal context are associated with a first user of the event generating a plurality of event management options for managing the context mismatch presenting the plurality of event management options to the user and communicating a chosen option to a plurality of users of the event the chosen option being one of the plurality of event management options.

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

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MOTOR-DRIVEN SURGICAL CUTTING INSTRUMENT WITH ELECTRIC ACTUATOR DIRECTIONAL CONTROL ASSEMBLY

(51) International classification (71)Name of Applicant: :A61B 17/068 (31) Priority Document No 1)ETHICON ENDO-SURGERY, INC. :12/647,100 (32) Priority Date :24/12/2009 Address of Applicant: 4545 CREEK ROAD, CINCINNATI, OH 45242, UNITED STATES OF AMERICA U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2010/059141 (72)Name of Inventor : Filing Date :06/12/2012 1)RYAN J. LAURENT (87) International Publication No :WO 2011/078960 2)BRETT E. SWENSGARD (61) Patent of Addition to Application 3)BRET W. SMITH :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A motor-driven surgical instrument having a control assembly for controlling a switch of the instrument. The surgical instrument may comprise a motor control circuit, a drive member, and a slider. The drive member comprises a first shoulder at a first position and a second shoulder at a second position. A first portion of the slider interfaces the drive member such that the slider is moveable in a direction of movement of the drive member when either the first shoulder or the second shoulder of the drive member engages the first portion of the slider. A second portion of the slider actuates a switch of the motor control circuit when the drive member moves the slider to a first position relative to the first switch. In various embodiments, the switches of the control circuit are not embodied as a part of an IC.

No. of Pages: 58 No. of Claims: 20

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: OPTICAL SENSOR FOR CONTACTLESS PRESSURE MEASUREMENTS

(51) International classification :G01L7/08,G01L11/02 (71)Name of Applicant : (31) Priority Document No 1)LASER POINT S.R.L. :MI 2013A 000138 (32) Priority Date Address of Applicant: Via Burona 51 I 20090 Vimodrone (MI) :31/01/2013 (33) Name of priority country :Italy Italy (86) International Application No :PCT/EP2014/051762 (72) Name of Inventor: Filing Date :30/01/2014 1)BRINCIOTTI Andrea (87) International Publication No :WO 2014/049178 2) CIBINETTO Lucio (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

An optical sensor for pressure measurements is described which comprises a sensor head (8) including: a diaphragm (9) having a first surface (91) in contact with a fluid of which the pressure has to be measured and a second surface (92) opposite to the first surface a body with a tubular cavity (200) means (92 10) arranged inside the tubular cavity associated with the second surface of the diaphragm and movable longitudinally inside said tubular cavity in response to the deformation of the diaphragm said means including a reflective surface (92 102) an end part (12) of waveguide means (4) arranged inside the tubular cavity and having the end surface (11) faced to and not in contact with the reflective surface (92 102) of said means said waveguide means being connected to a light source (1) and a receiver (5) respectively to send to said means the light beam (50) deriving from the light source and to collect at the receiver the light beam (60) reflected from the reflective surface of said means the intensity of the collect light beam being dependent on the distance (D) between the end surface of the end part of waveguide means and the reflective surface. The end surface (11) of the end part (12) of waveguide means is tilted with respect to a plane orthogonal (B) to the optic axis (A) of a first angle (a) having a value such that the incident angle (a) of the light beam deriving from the light source is less than the critical angle (c air) between the waveguide means and the air and greater than the critical angle (c) of the waveguide means and the reflective surface (102 92) of said means is tilted with respect said plane (B) orthogonal to the optic axis (A) of a second angle () equal to the escaping angle of the light beam from said end surface (11) of the end part (12) of waveguide means.

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

(21) Application No.4591/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SAFETY PROTECTING INFUSION NEEDLE

(51) International classification	:A61M5/158	(71)Name of Applicant:
(31) Priority Document No	:201220635944.2	1)SUNWELL BIOTECH CO. LTD.
(32) Priority Date	:27/11/2012	Address of Applicant :No. 9 Yongxing Road Gangzha
(33) Name of priority country	:China	Economic Development Zone Nantong Jiangsu China
(86) International Application No	:PCT/CN2013/087928	(72)Name of Inventor:
Filing Date	:27/11/2013	1)LI Zhi Yun
(87) International Publication No	:WO 2014/082576	
(61) Patent of Addition to Application	.NT A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pricking proof safety protecting infusion needle (200) comprising a body (23) and a safety cover (25); a needle wing portion (231) is disposed on one side of the body (23); one end of the needle wing portion is connected to a needle tip (21) and the other end is connected to a an infusion tube (22); the safety cover (25) is a hollow cover for accommodating the body (23) and is provided with a chamfered opening (261) on the front end and a concave opening (263) on the back end; before use of the infusion needle (200) the needle wing portion (231) is disposed in the chamfered opening (261) and the needle tip (21) protrudes out of the safety cover (25); and after use of the infusion needle (200) the needle wing portion (231) is pulled back from the chamfered opening (261) into the concave opening (263) and the needle tip (21) is enclosed in the safety cover (25). Therefore the needle tip (21) can be firmly retracted within the safety cover (25) after the infusion needle (200) is used avoiding the risk of accidentally pricking a medical care person with a used needle tip (21).

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

(21) Application No.4592/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: ORTHOPEDIC BACK BRACE

(51) International :A41D13/015,A61B19/00,A61F5/00

classification (31) Priority Document No :13/674613

(32) Priority Date :12/11/2012 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2013/069200

:08/11/2013 Filing Date

(87) International Publication :WO 2014/074855

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)EXOS LLC

Address of Applicant: 1430 Decision Street Vista California

92081 U.S.A.

(72) Name of Inventor: 1)JOSEPH Mark 2) GAMBLE Kristian 3)ANKENY Colleen

(57) Abstract:

Orthopedic braces and associated methods are described for treatment of lower back injuries and chronic back pain. An orthopedic brace may include a pair of back panels a pair of front panels and a closure system. A lateral end of each front panel is releasably coupleable to a lateral end of each back panel at a desired angle. A ventral end of each front panel includes an attachment provision configured to allow one of the front panels to releasably attach to the other of the front panels generally over an abdomen of a wearer. The brace also includes a pocket on the ventral end of at least one of the front panels the pocket configured to temporarily receive a hand of the wearer to aid in donning the orthopedic brace.

No. of Pages: 51 No. of Claims: 28

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ARO VALUES IN PUCCH RESOURCE ALLOCATION FOR EPDCCH IN TDD

(51) International classification	:H04L1/18,H04L5/00	(71)Name of Applicant:
(31) Priority Document No	:61/754260	1)NOKIA SIEMENS NETWORKS OY
(32) Priority Date	:18/01/2013	Address of Applicant: Karaportti 3 FIN 02610 Espoo Finland
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2014/050859	1)ZHANG Li
Filing Date	:17/01/2014	2)LUNTTILA Timo Erkki
(87) International Publication No	:WO 2014/111495	3)TIIROLA Esa Tapani
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods apparatuses and computer program products for defining ARO values in TDD are provided. One method includes defining acknowledgement (Ack)/negative acknowledgement (Nack) resource offset (ARO) values in time division duplex (TDD) with a first set of values and a second set of values. The first set of values contains negative values and is used to offset hybrid automatic repeat request (HARQ) acknowledgment (ACK) resource determination so that HARQ ACK is transmitted on physical uplink control channel (PUCCH) resources corresponding to another downlink subframe and the second set of values contains values between 2 and 2.

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

(21) Application No.4586/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR MONITORING BIOLOGICAL FLUIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/32 :61/728931 :21/11/2012 :U.S.A. :PCT/IB2013/003203 :20/11/2013 :WO 2014/087255 :NA :NA :NA	(71)Name of Applicant:  1)OSLO UNIVERSITETSSYKEHUS HF Address of Applicant:Postboks 450 Nydalen N 0424 Oslo Norway (72)Name of Inventor: 1)HOVDA Knut Erik 2)URDAL Petter 3)GADEHOLT Gaut 4)JACOBSEN Dag
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#### (57) Abstract:

The present disclosure relates to compositions and methods for diagnosis research and screening for chemicals in biological fluids (e.g. related to methanol poisoning ethanol levels and ethylene glycol poisoning). In particular the present disclosure relates to point of care systems and methods for detecting formic acid or formate ethanol ethylene glycol and other clinically relevant chemicals in biological fluids.

No. of Pages: 48 No. of Claims: 41

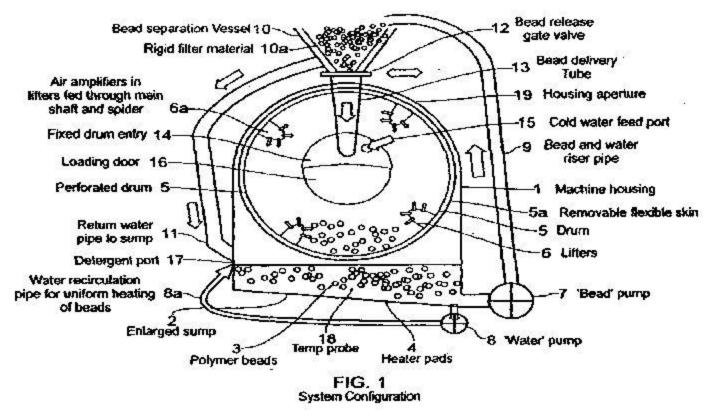
(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: IMPROVED CLEANING 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 Filing Date</li> </ul>	:D06F 23/02 :0920565.9 :24/11/2009 :U.K. :PCT/GB2010/051960 :24/11/2010 :WO 2011/064581 :NA :NA :NA	(71)Name of Applicant:  1)XEROS LIMITED  Address of Applicant: LEEDS INNOVATION CENTRE, 103  CLARENDON ROAD, LEEDS YORKSHIRE LS2 9DF, UNITED KINGDOM U.K.  (72)Name of Inventor:  1)JENKINS, STEPHEN, DEREK  2)WESTWATER, WILLIAM, GEORGE
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#### (57) Abstract:

The invention provides an apparatus and method for use in the cleaning of soiled substrates, the apparatus comprising: (a) housing means, having: (i) a first upper chamber having mounted therein a rotatably mounted cylindrical cage, and (ii) a second lower chamber located beneath said cylindrical cage; (b) at least one recirculation means; (c) access means; (d) a multiplicity of delivery means; and (e) sealing means, wherein said sealing means is removably attached to the outer surface of the cylindrical side walls of said rotatably mounted cylindrical cage, and is adapted to prevent the ingress or egress of fluids and solid particulate matter from the interior of said cage. The method involves cleaning the soiled substrate by treatment of the substrate with a formulation comprising solid particulate cleaning material and wash water, the method being carried out using the apparatus of the invention, and the apparatus and method find particular application in the cleaning of textile fabrics.



No. of Pages: 47 No. of Claims: 81

(21) Application No.4587/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DROPLET DISCHARGING DEVICE

:NA

:NA

:NA

(51) International classification :B41J2/18,B41J2/01,B41J2/185 (71)Name of Applicant : (31) Priority Document No 1)SEIKO EPSON CORPORATION :2013053233 (32) Priority Date :15/03/2013 Address of Applicant: 4 1 Nishi shinjuku 2 chome Shinjuku ku (33) Name of priority country Tokyo 1630811 Japan :Japan (72)Name of Inventor: (86) International Application No :PCT/JP2014/001360 1)MORIYAMA Ryuji Filing Date :11/03/2014 (87) International Publication No :WO 2014/141688 2)KUMAZAKI Masayuki (61) Patent of Addition to :NA

(57) Abstract:

Number

**Application Number** 

Filing Date

Filing Date

(62) Divisional to Application

The present invention limits ink mist floating and adhesion. The droplet discharging device (1) is characterized: in comprising a droplet discharging head (22) for discharging droplets on a printing medium (P) a carriage (27) on which the droplet discharging head (22) is loaded and an antistatic member (70) or a charged member (60) affixed on the droplet discharging head (22) and/or the carriage (27); in the antistatic member (70) being configured so as to be capable of removing the charge on an object with which it is not in contact; and in the charged member (60) having a polarized charge.

No. of Pages: 83 No. of Claims: 20

(22) Date of filing of Application :24/05/2012

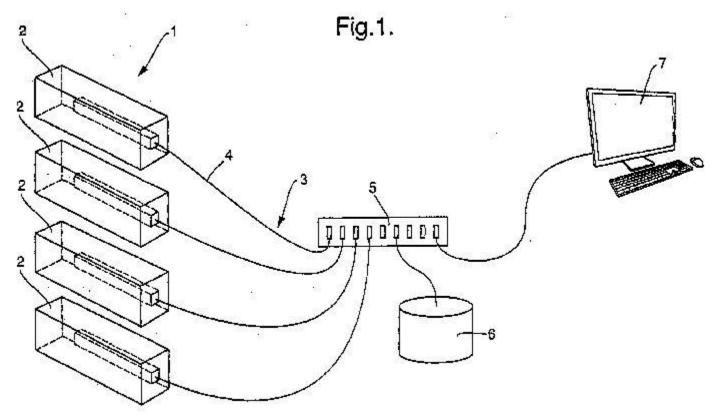
(43) Publication Date: 27/11/2015

# (54) Title of the invention: 'BIOCHEMICAL ANALYSIS INSTRUMENT

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (36) International Application No Filing Date (37) Name of Applicant: (31) OXFORD NANOPORE TECHNOLOGIES IN Address of Applicant: EDMUND CARTWRIGH (32) Priority Date (33) Name of priority country (34) Priority Date (35) Name of Priority Country (36) International Application No (37) Name of Applicant: (37) Name of Applicant: (31) OXFORD NANOPORE TECHNOLOGIES IN Address of Applicant: EDMUND CARTWRIGH (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) Priority Date (37) Name of Applicant: (31) OXFORD NANOPORE TECHNOLOGIES IN Address of Applicant: EDMUND CARTWRIGH (31) Priority Date (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) Priority Date (37) Name of Applicant: (31) Name of Applicant: (31) OXFORD NANOPORE TECHNOLOGIES IN Address of Applicant: EDMUND CARTWRIGH (Address o	GHT HOUSE, 4 IENCE PARK,
(62) Divisional to Application Number :NA Filing Date :NA	

## (57) Abstract:

An analysis instrument comprises plural modules connected together over a data network, each module comprising an analysis apparatus operable to perform biochemical analysis of a sample. Each module comprises a control unit that controls the operation of the analysis apparatus. The control units are addressable to select an arbitrary number of modules to operate as a cluster for performing a common biochemical analysis. The control units communicate over the data network, repeatedly during the performance of the common biochemical analysis, to determine the operation of the analysis apparatus of each module required to meet the global performance targets, on the basis of measures of performance derived from the output data produced by the modules. The arrangement of the instrument as modules interacting in this manner provides a scalable analysis instrument.



No. of Pages: 69 No. of Claims: 46

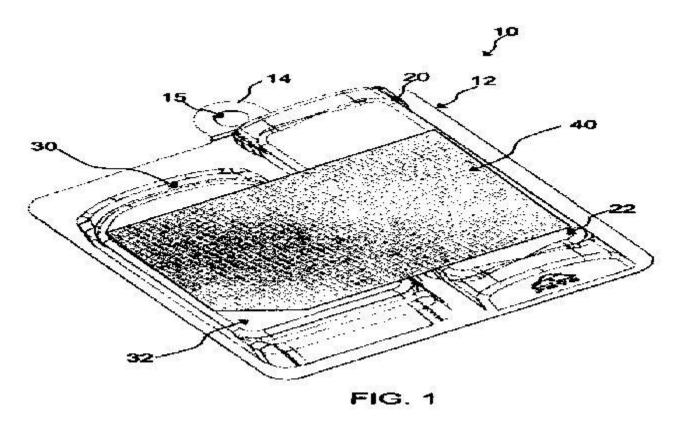
(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CO-PACKAGED ARTICLES.

(51) International classification	:B65D 75/34	(71)Name of Applicant:
(31) Priority Document No	:12/644,172	1)THE GILLETTE COMPANY
(32) Priority Date	:22/12/2009	Address of Applicant :WORLD SHAVING
(33) Name of priority country	:U.S.A.	HEADQUARTERS, IP/LEGAL PATENT DEPARTMENT-3E,
(86) International Application No	:PCT/US2010/060626	ONE GILLETTE PARK, BOSTON, MASSACHUSETTS 02127,
Filing Date	:16/12/2010	U.S.A. U.S.A.
(87) International Publication No	:WO 2011/087700	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)MARCINKOWSKI, STANLEY, MICHAEL
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pack (12) for a co-packaged article (12) with an inner flange member (19) and an outer flange member (16). A first cavity (20) is defined by the inner flange member and the outer flange member. The first cavity has an outer surface (22) and a first internal wall (25). A second cavity (30) is defined by the inner flange member and the outer flange member. The second cavity has an outer surface (32) and a second internal wall (35) spaced apart from the first internal wall. The second internal wall has at least one protrusion (36) with a first position and a second position. The protrusion (36) is spaced apart from the first internal wall (25) in the first position and contacts the first internal wall in the second position limiting inward flexing of the first and second cavities (20, 30) toward each other.



No. of Pages: 16 No. of Claims: 15

(21) Application No.4439/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: TRANSCEIVER FRONT 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:H04B1/52 :NA :NA :NA :PCT/EP2012/073390 :22/11/2012 :WO 2014/079501 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)BRYANT Carl 2)LINDSTRAND Jonas 3)SJ-LAND Henrik
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A transceiver front end for a communication device is connectable at a signal transmission and reception arrangement node (211) to a signal transmission and reception arrangement (210) adapted to transmit a transmit signal having a transmit frequency and to receive a receive signal having a receive frequency. The transceiver front end is also connectable at a transmitter node (231) to a transmitter (230) adapted to produce the transmit signal and at a receiver node (221) to a receiver (220) adapted to process the receive signal. The transceiver front end comprises a transformer (240) wherein the transmitter node (231) is connected to a first node of a first side of the transformer and the signal transmission and reception arrangement node (211) is connected to a second node of the first side of the transformer and to a second node of the second side of the transformer. The transceiver front end also comprises a first tunable capacitance (250) connected between the transmitter node (231) and the receiver node (221) and a second tunable capacitance (260) connected between the signal transmission and reception arrangement node (211) and a signal reference level. Corresponding transceiver communication device and method are also disclosed.

No. of Pages: 25 No. of Claims: 15

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: MINIATURIZED LASER AMPLIFIER ARRANGEMENT HAVING A PUMP SOURCE

<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>	:H01S 3/23 :NA :NA :NA :PCT/DE2009/001676 :26/11/2009 :WO 2011/063777 :NA :NA :NA	(71)Name of Applicant:  1)EADS DEUTSCHLAND GMBH Address of Applicant:WILLY-MESSERSCHMITT- STRASSE, OTTOBRUNN, 85521, GERMANY Germany (72)Name of Inventor: 1)PEUSER, PETER 2)PLATZ, WILLI
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#### (57) Abstract:

The invention relates to a laser amplifier arrangement (19), comprising an optical pump source (21) for emitting pump radiation (6) and an axially arranged laser oscillator-amplifier configuration (24), which can be pumped by the pump radiation (6), wherein the laser oscillator-amplifier configuration (24) comprises a laser oscillator (9), which can be excited by a portion of the pump radiation so as to emit a laser beam (13), and a laser amplifier (23), which is designed to receive both the laser beam (13) and the pump radiation (6) in order to amplify the laser beam (13) by means of the pump radiation (6). In order to increase the power and the beam quality while achieving a high degree of miniaturization, the laser oscillator (9) and the laser amplifier (23) are arranged in a substantially coaxial or collinear manner relative to a longitudinal axis (25) of the laser oscillator-amplifier configuration (24), and the pump source (21) comprises at least one first beam source (1) for producing a first pump radiation to pump the laser oscillator (9), at least one second beam source (2) for producing a second pump radiation (6) for the laser amplifier (23), and a pump radiation conducting device (26), by means of which both the first and the second pump radiation (6) can be lead into the laser oscillator-amplifier configuration (24) substantially in the direction of the longitudinal axis (25) for longitudinal pumping.

No. of Pages: 36 No. of Claims: 27

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: APPLICATION POPULARIZATION METHOD DEVICE AND SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:28/08/2013 :WO 2014/067333 :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)FAN Xuhua
- 13		
Filing Date	:NA	

#### (57) Abstract:

Provided is an application popularization method device and system solving the problem of high network dependency of existing application popularization techniques. The method comprises: receiving an application request transmitted by a PC client terminal; detecting according to the application request whether an application matching the application request is stored; and if yes then transmitting the application information of the application to the PC client terminal and forwarding the application information to a mobile terminal the application information being used for the PC client terminal to acquire the corresponding application. The application popularization method device and system of the present invention is less network dependent can pre store the application provided by an application store and provide via a PC client terminal the pre stored application for a mobile terminal to use in the case of no WAP network such that a user will not be affected by a network during the use of a store application thus improving the usage experience of the user.

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

(21) Application No.4593/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: TRANSCEIVER DEVICE

(51) International classification	:H01Q21/00,H04B1/50	(71)Name of Applicant:
(31) Priority Document No	:2013154269	1)QUANTRILL ESTATE INC
(32) Priority Date	:06/12/2013	Address of Applicant :P. O. Box 958 Pasea Estate Road Town
(33) Name of priority country	:Russia	Tortola VIRGIN ISLANDS
(86) International Application No	:PCT/RU2013/001133	(72)Name of Inventor:
Filing Date	:18/12/2013	1)KOMRAKOV Evgeny Vyacheslavovich
(87) International Publication No	:WO 2015/084208	
(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 active phased antenna array technology. The technical result achieved in carrying out the invention consists in the ability to form fully independent beams in opposing directions with no shadow areas. The technical result is achieved by installing active bi directional phased antenna arrays in a horizontal plane relative to one another at an angle of 75 105° while maintaining omnidirectional surveying capabilities providing a transceiver device with an additional phase rotator each of two phase rotators being constantly connected by means of a switch to one of a plurality of receivers or to a transmitter and the transmitter being connected by means of a switch and circulators to emitters with the capability of alternating connectivity to the emitters by using various frequencies and/or by using different signal coding corresponding to various frequencies and codes of receiver reception modes with the ability to form at least two independent beams in opposing directions. The active phased antenna arrays are shifted relative to one another in a horizontal and/or vertical plane.

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

(21) Application No.4594/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ELECTRICAL ENERGY MULTI-GENERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:H05K :P200902144 :11/11/2009 :Spain :PCT/ES2010/000453 :11/11/2010 :WO 2011/101501 :NA :NA	(71)Name of Applicant:  1)CONDE MENDEZ, ABRAHAN  Address of Applicant:TRAVESIA DE PASTORIZA, 1°C, E- 15140 PASTORIZA (LA CORUNA), SPAIN (ES) Spain (72)Name of Inventor:  1)CONDE MENDEZ, ABRAHAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electrical energy multi-generator comprising a series of radial magnetic circuits, each one formed by two columns (2 and 3) connected by a lower magnetic radius (4) and by another, upper magnetic radius, constituting the rotor (8) for opening, closing and varying the magnetic flux circulation. The outer column (3) is provided with an induction coil (6), and the central column (2) common to all of the radii is provided with an excitation coil (5). The multigenerator comprises a main drive wheel (I 0) that drives all of the rotors (8) in rotation, by means of a mechanical coupling and a motor, varying the circulation of the magnetic flux and generating an electromotive force in the induction coils (6). The central column (2) is common to all of the radial magnetic circuits. In this way, a substantial increase in the efficiency of the generator is obtained.

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PREFLOCCULATION OF FILLERS USED IN PAPERMAKING

(51) International (71)Name of Applicant: :D21H17/67,D21H17/63,D21H17/41 classification 1)NALCO COMPANY (31) Priority Document No :13/665963 Address of Applicant: 1601 W. Diehl Road Napreville Illinois (32) Priority Date :01/11/2012 60563 U.S.A. (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)CHENG Weiguo (86) International 2)BROADUS Katherin M. :PCT/US2013/065732 Application No 3)SMORON Dorota :18/10/2013 Filing Date 4) WILSON Shawnee M. (87) International :WO 2014/070488 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

## (57) Abstract:

Filing Date

A method of preparing a stable dispersion of flocculated filler particles for use in papermaking processes comprises use of microparticle prior to simultaneous to and/or after addition of a first flocculating agent to an aqueous dispersion of filler particles followed by addition of a second flocculating agent to the dispersion and further optional shearing of the resultant filler flocs to the desired particle size resulting in shear resistant filler flocs with a defined and controllable size distribution. In addition a neutralizing coagulant can be added to the dispersion to partially or completely neutralize the charge of the filler before the microparticle and/or the first flocculating agent is added.

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

:NA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CNT-INFUSED ARAMID FIBER MATERIALS AND PROCESS THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D01F 6/60 :61/257,413 :02/11/2009 :U.S.A. :PCT/US2010/055180 :02/11/2010 :WO 2011/054008 :NA :NA :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS, LLC Address of Applicant:2323 EASTERN BLVD., BALTIMORE, MD 21220, UNITED STATES U.S.A. (72)Name of Inventor: 1)SHAH TUSHAR K. 2)MALECKI HARRY C. 3)ALBERDING MARK R. 4)GARDNER SLADE H.
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#### (57) Abstract:

A composition includes a carbon nanotube (CNT)-infused aramid fiber material that includes an aramid fiber material of spoolable dimensions, a barrier coating conformally disposed about the aramid fiber material, and carbon nanotubes (CNTs) infused to the aramid fiber material. The infused CNTs are uniform in length and uniform in density. A continuous CNT infusion process includes:(a) disposing a barrier coating and a carbon nanotube (CNT)-forming catalyst on a surface of an aramid fiber material of spoolable dimensions; and (b) synthesizing carbon nanotubes on the aramid fiber material, thereby forming a carbon nanotube-infused aramid fiber material.

No. of Pages: 47 No. of Claims: 37

(21) Application No.4600/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : USE OF COMPOSITION TO REDUCE WEEPING AND MIGRATION THROUGH A WATER SOLUBLE 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> <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>	:C11D3/43,C11D17/04 :12195792.2 :06/12/2012 :EPO :PCT/US2013/073259 :05/12/2013 :WO 2014/089270 :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)LABEQUE Regine 2)VAN ELSEN Katrien Andrea Lieven
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to the use of a composition comprising a) anionic surfactant; and b) solvent system comprising at least one primary solvent having Hansen solubility (d) of less than 29 said composition being encapsulated in a water soluble film pouch for reducing migration and weeping of said composition through said film.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : FLAME-RESISTANT COMPOSITE MATERIALS AND ARTICLES CONTAINING CARBON NANOTUBE-INFUSED FIBER MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C09K 21/02 :61/286,340 :14/12/2009 :U.S.A. :PCT/US2010/060358 :14/12/2010 :WO 2011/142785 :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS, LLC Address of Applicant: 2323 EASTERN BLVD., BALTIMORE, MD 21220, UNITED STATES U.S.A. (72)Name of Inventor: 1)ALBERDING MARK R. 2)MALECKI HARRY C. 3)SHAH TUSHAR K. 4)ADCOCK DANIEL JACOB
Number		7
Filing Date	:NA	

#### (57) Abstract:

Flame-resistant composite materials containing carbon nanotubes are described herein. The flame-resistant composite materials contain an outer layer and at least one inner layer, containing a first polymer matrix and a second polymer matrix, respectively. The outer layer has an exterior surface and a first carbon nanotube-infused fiber material that contains a first fiber material and a first plurality of carbon nanotubes greater than about 50 .mu.m in length. In some embodiments, the at least one inner layer also contains a second fiber material and/or a second carbon nanotube-infused fiber material containing a second fiber material and a second plurality of carbon nanotubes. When present, the second plurality of carbon nanotubes are generally shorter in length than the first plurality of carbon nanotubes. Alignment of the carbon nanotubes in the outer layer can transfer heat away from the composite materials inner layer(s). Flame-resistant articles containing carbon nanotube-infused fiber materials are also described.

No. of Pages: 58 No. of Claims: 54

(21) Application No.4601/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHILD DETERRENT PACKAGE

(51) International classification (31) Priority Document No	:B65D43/16,B65D50/04 :12195290.7	(71)Name of Applicant: 1)THE PROCTER & GAMBLE COMPANY
(32) Priority Date	:03/12/2012	Address of Applicant :One Procter & Gamble Plaza Cincinnati
(33) Name of priority country	:EPO	Ohio 45202 U.S.A.
(86) International Application No	:PCT/US2013/072559	(72)Name of Inventor:
Filing Date	:02/12/2013	1)CULERON Guy
(87) International Publication No	:WO 2014/088931	2)DE TAVARES DUARTE NOGUEIRA Francisco Miguel
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A child deterrent package comprising a container and a lid assembly (1) having front (4) and back (5) edges and a left (6) and right (7) side and comprising at least three locking devices (8) wherein at least one of said locking devices (8) is located on the front edge (4) and at least a second locking device (8) is located on either the left (6) and/or right (7) side wherein at least one locking device (8) is located within proximity of a corner intersection (9) of a front (4) or back (5) edge with a left (6) or right (7) sides.

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

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METAL MATRIX COMPOSITE MATERIALS CONTAINING CARBON NANOTUBE-INFUSED FIBER MATERIALS AND METHODS FOR PRODUCTION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:23/11/2010 :WO 2011/078934 :NA :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS, LLC Address of Applicant: 2323 EASTERN BLVD., BALTIMORE, MD 21220, UNITED STATES U.S.A. (72)Name of Inventor: 1)SHAH TUSHAR K. 2)MALECKI HARRY C. 3)WAICUKAUSKI JAMES A.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In various embodiments, composite materials containing a metal matrix having at least one metal and a carbon nanotube-infused fiber material are described herein. Illustrative metal matrices include, for example, aluminum, magnesium, copper, cobalt, nickel, zirconium, silver, gold, titanium and various mixtures thereof. The fiber materials can be continuous or chopped fibers and include, for example, glass fibers, carbon fibers, metal fibers, ceramic fibers, organic fibers, silicon carbide fibers, boron carbide fibers, silicon nitride fibers and aluminum oxide fibers. The composite materials can further include a passivation layer overcoating at least the carbon nanotube-infused fiber material and, optionally, the plurality of carbon nanotubes. The metal matrix can include at least one additive that increases compatibility of the metal matrix with the carbon nanotube-infused fiber material. The fiber material can be distributed uniformly, non-uniformly or in a gradient manner in the metal matrix. Non-uniform distributions may be used to form impart different mechanical, electrical or thermal properties to different regions of the metal matrix.

No. of Pages: 56 No. of Claims: 49

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : MGLUR4 ALLOSTERIC POTENTIATORS, COMPOSITIONS, AND METHODS OF TREATING NEUROLOGICAL DYSFUNCTION

(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 (63) International Publication Number Filing Date (64) Divisional to Application Number Filing Date (65) NA SACTOR SAC	1)VANDERBILT UNIVERSITY Address of Applicant :305 KIRKLAND HALL NASHVILLE, TENNESSEE 37240 U.S.A. U.S.A. (72)Name of Inventor: 1)CONN P. JEFFREY
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#### (57) Abstract:

Pyrazole compounds useful as allosteric potentiators/positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4); synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of using the compounds, for example, in treating neurological and psychiatric disorders or other disease state associated with glutamate dysfunction.

No. of Pages: 110 No. of Claims: 96

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STANDARD ANTENNA INTERFACE

(51) I	H0101/12 H0101/24	(71)NJ
(51) International classification	:H01Q1/12,H01Q1/24	(71)Name of Applicant:
(31) Priority Document No	:61/740744	1)ANDREW LLC
(32) Priority Date	:21/12/2012	Address of Applicant :1100 Commscope Place SE Hickory
(33) Name of priority country	:U.S.A.	NC 28602 U.S.A.
(86) International Application No	:PCT/US2013/077123	(72)Name of Inventor:
Filing Date	:20/12/2013	1)COLAPIETRO Julian R.
(87) International Publication No	:WO 2014/100681	2)BOUNDELMONTE Charles J.
(61) Patent of Addition to Application	:NA	3)BONCZYK Michael F.
Number	:NA	4)DONALDSON Jimmie L. Jr.
Filing Date	.INA	5)KURK Morgan C.
(62) Divisional to Application Number	:NA	6)BUTLER Ray K.
Filing Date	:NA	7)SCHMUTZLER Steven Lee

#### (57) Abstract:

A modular wireless communications station includes a standard antenna interface (10) a wireless communications antenna (22) and a remote radio head (20). The standard interface includes an antenna mount (12 14 16) for the wireless communications antenna and at least one radio head mount. The radio head mount includes at least one linear guided support structure (26). The wireless communications antenna includes a bracket configured to engage the antenna mount and at least one RF interconnection module the wireless communications antenna being mounted on the antenna mount. The remote radio head(s) include a low friction car configured to engage the linear guided support structure of the standard interface and an RF connector configured to engage the RF interconnection module of the antenna. The remote radio head may slide into engagement with the antenna and locked into place.

No. of Pages: 32 No. of Claims: 14

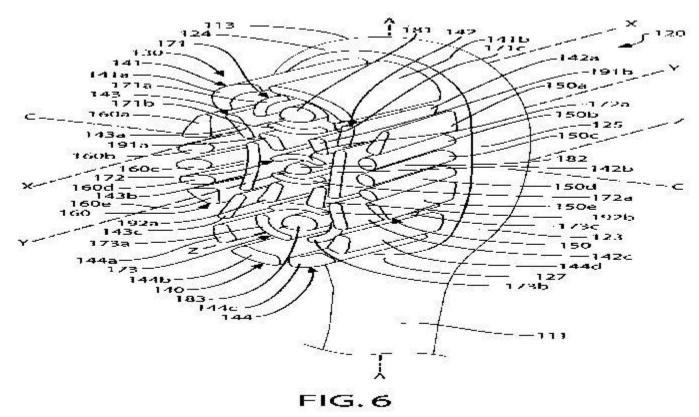
(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TOOTHBRUSH HAVING A CLOSED-LOOP ARRANGEMENT OF CLEANING ELEMENTS

(51) International classification	:A46B 9/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COLGATE-PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 PARK AVENUE, NEW YORK,
(33) Name of priority country	:NA	NY 10022, U.S.A. U.S.A.
(86) International Application No	:PCT/US2009/068647	(72)Name of Inventor:
Filing Date	:18/12/2009	1)JIMENEZ EDUARDO
(87) International Publication No	:WO 2011/084116	2)ROONEY MICHAEL
(61) Patent of Addition to Application	:NA	3)MOSKOVICH ROBERT
Number	:NA	4)STORZ JOACHIM
Filing Date	.IVA	5)KLAUSEGGER RAIMUND
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A toothbrush having an arrangement of cleaning elements for improved oral care and dentifrice retention. In one aspect, the invention is a toothbrush comprising a first set of cleaning elements forming a loop that extends from the distal periphery of the head to the proximal periphery of the head. The loop has the shape of a racetrack and comprises a first par-elliptical wall of cleaning elements at the distal periphery of the head and a second par-elliptical wall of cleaning elements located at the proximal periphery of the head. The par elliptical walls are connected first and second arcuate rows of cleaning elements. In one embodiment, the first and second arcuate rows are symmetrically arranged about the longitudinal axis so that peripheral convex surfaces of the first and second arcuate rows face the longitudinal axis.



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

(21) Application No.4510/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MAGNETIC VALVE ASSEMBLY

:NA :NA :NA :PCT/US2013/023687 :29/01/2013 :WO 2014/120132	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant:10200 Bellaire Boulevard Houston Texas 77072 U.S.A. (72)Name of Inventor: 1)FRIPP Michael L. 2)HOLDERMAN Luke
	7
:WO 2014/120132	2)HOLDERMAN Luke
·NIA	
:NA	
:NA	
:NA	
	:NA :NA :NA :PCT/US2013/023687 :29/01/2013 :WO 2014/120132 :NA :NA

#### (57) Abstract:

An actuation device comprises a housing comprising one or more ports a magnetic valve component and a central flowbore. The central flowbore is configured to receive a disposable member configured to emit a magnetic field and the magnetic valve component is configured to radially shift from a first position to a second position in response to interacting with the magnetic field.

No. of Pages: 47 No. of Claims: 21

(22) Date of filing of Application :24/05/2012

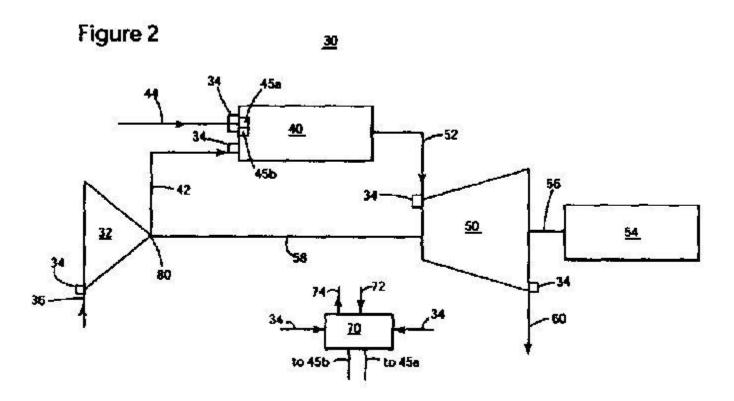
(43) Publication Date: 27/11/2015

# (54) Title of the invention : EXHAUST TEMPERATURE VERSUS TURBINE PRESSURE RATIO BASED TURBINE CONTROL METHOD AND DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:CO2009A000052 :27/11/2009 :Italy :PCT/EP2010/067792 :19/11/2010 :WO 2011/064143 :NA	(71)Name of Applicant:  1)NUOVO PIGNONE S.P.A.  Address of Applicant: VIA FELICE MATTEUCCI, 2 50127 FLORENCE (IT) Italy (72)Name of Inventor:  1)BOTARELLI, CLAUDIO
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
8		

#### (57) Abstract:

Gas turbine, software and method for controlling an operating point of the gas turbine that includes a compressor, a combustor and at least a turbine. The method includes determining a turbine exhaust pressure at an exhaust of the turbine; measuring a compressor pressure discharge at the compressor; determining a turbine pressure ratio based on the turbine exhaust pressure and the compressor pressure discharge; calculating an exhaust temperature at the exhaust of the turbine as a function of the turbine pressure ratio; identifying a reference exhaust temperature curve in a plane defined by the exhaust temperature and the turbine pressure ratio; and controlling the gas turbine to maintain the operating point on the reference exhaust temperature curve.



No. of Pages: 50 No. of Claims: 10

(22) Date of filing of Application :24/05/2012

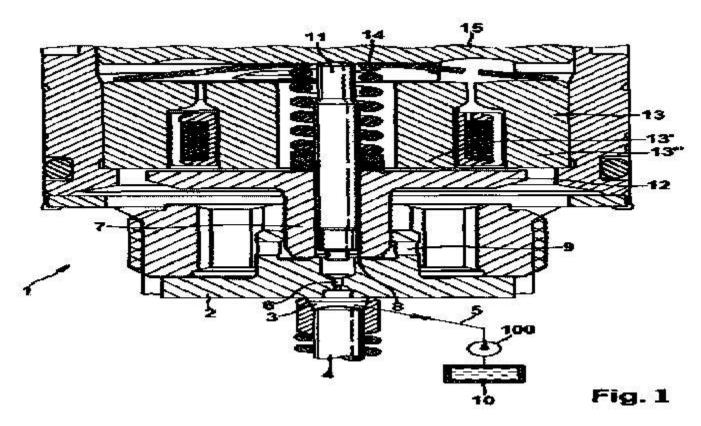
(43) Publication Date: 27/11/2015

# (54) Title of the invention: CONTROL VALVE ASSEMBLY OF A FUEL INJECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F02M 63/00 :102010001486.9 :02/02/2010 :Germany :PCT/EP2011/050014 :03/01/2011 :WO 2011/095367 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGAR, GERMANY Germany (72)Name of Inventor:  1)SCHOLEMANN, BJOERN  2)CLAUSS, HELMUT  3)ZERLE, LORENZ
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Described herein is a control valve assembly (7, 8, 11) for a fuel injector comprising a sleeve-shaped closure body (7) which is axially movably arranged on a guide rod (11), where one end face thereof is supported on a stationary part of the injector body and the other end face is impinged by high pressure in phases during injector operation. In an embodiment, at least one end-side projection is disposed at one front end of the guide rod (11), whose cross section has a low level if compared to the cross section of the guide rod (11), and the stationary part (15) supporting the guide rod (11) of the projection on the front end of the guide rod (11) is plastically deformable by the acting high pressure.



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

(21) Application No.4595/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: DISPOSABLE DIAPER

:A61F13/15,A61F13/494 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012259161 (32) Priority Date :27/11/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/081854 Filing Date :27/11/2013

(87) International Publication No :WO 2014/084230

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

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72) Name of Inventor: 1)SAKAGUCHI Satoru

#### (57) Abstract:

A disposable diaper (10) has leg elastic sections (75) which expand and contract in a product longitudinal direction disposed further to the inside in a product width direction than a pair of leg opening sections. The area between a rear leg opening section (35R) and a straight line that passes through the center in the product width direction parallel to the product longitudinal direction is larger than the area between a front leg opening section (35F) and the straight line which extends in the product longitudinal direction through the center of the leg opening sections in the product longitudinal direction. A pair of elastic buttock sections (77) which expand and contract in the product longitudinal direction is disposed further to the outside in the product width direction than the leg elastic sections. The distance (La) in the product width direction between the outer edge of a fastening tape in the product width direction and the elastic buttock section is shorter than the distance (Lb) in the product width direction between the center of the disposable diaper in the product width direction and the outer edge of the elastic leg section in the product width direction.

No. of Pages: 37 No. of Claims: 12

(22) Date of filing of Application :24/05/2012

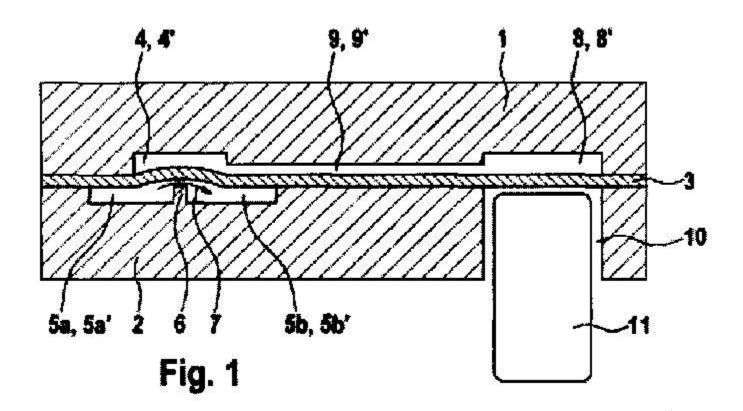
(43) Publication Date: 27/11/2015

# (54) Title of the invention: MICRO-FLUIDIC COMPONENT FOR MANIPULATING A FLUID, AND MICROFLUIDIC CHIP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F16K 99/00 :102010001412.5 :01/02/2010 :Germany :PCT/EP2010/070908 :30/12/2010 :WO 2011/091943 :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, GERMANY Germany  (72)Name of Inventor:  1)ROTHACHER, PETER
` /		

#### (57) Abstract:

Micro-fluidic component comprising a first substrate (1), a second substrate (2), and a third substrate (3) disposed between said first substrate (1) and said second substrate (2) and formed of an resilient material is described. At least one first recess (4) is formed on a side of the first substrate (1) facing the third substrate (3), said first recess forms a first control chamber (4). At least one second recess (5a; 5b) is formed on a side of the second substrate (2) facing the third substrate (3), said second recess forms a fluid chamber (5a, 5b), and which overlaps with the first control chamber (4), at least in partial regions. A second control chamber (8) spatially separated from the first control chamber (4) and a control channel (9) connecting the first control chamber (4) to the second control chamber (8) are formed in the first substrate (1).



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

(21) Application No.4596/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: DISPOSABLE DIAPER

(51) International :A61F13/42,A61F13/49,A61F13/514 classification

(31) Priority Document No :2012259160 (32) Priority Date :27/11/2012 (33) Name of priority

:Japan country

(86) International :PCT/JP2013/081868

Application No :27/11/2013 Filing Date

(87) International

:WO 2014/084239 Publication No

:NA

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

(71)Name of Applicant:

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72) Name of Inventor: 1)YAMANAKA Yasuhiro 2)SAKAGUCHI Satoru

#### (57) Abstract:

Filing Date

A disposable diaper (10) is provided with an absorbent a back sheet disposed further toward a non skin contacting side than the absorbent an exterior sheet disposed on the non skin contacting side from the back sheet and an indicator (65) disposed on a skin contacting side from the back sheet. A first region (R1) where the indicator is visible from the non skin contacting side of the exterior sheet and a second region (R2) having higher visibility of the indicator than the first region (R1) are provided to the exterior sheet. At least a portion of the first region and at least a portion of the second region are disposed overlapping the indicator.

No. of Pages: 37 No. of Claims: 8

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention: GALVANNEALED STEEL SHEET HAVING EXCELLENT FORMABILITY AND EXFOLIATION RESISTANCE AFTER AND PRODUCTION METHOD THEREOF

(51) International classification	:C23C 2/06	(71)Name of Applicant :
(31) Priority Document No	:2009-245872	1)NIPPON STEEL & SUMITOMO METAL
(32) Priority Date	:26/10/2009	CORPORATION
(33) Name of priority country	:Japan	Address of Applicant :6-1, MARUNOUCHI 2-CHOME,
(86) International Application No	:PCT/JP2010/061770	CHIYODA-KU, TOKYO 100-8071, JAPAN Japan
Filing Date	:12/07/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/052268	1)KAZUHIKO HONDA
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	2)NORIYUKI SUZUKI 3)YOICHI IKEMATSU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		·

#### (57) Abstract:

The galvannealed steel sheet includes: a steel sheet; a galvannealed layer which is formed on at least one surface of the steel sheet and contains includes an amount equal to or more than 0.05 mass% and equal to or less than 0.5 mass% of Al, an amount equal to or more than 6 mass% and equal to or less than 12 mass% of Fe, and optionally an amount equal to or less than 2 mass% of at least one kind of Pb, Sb, Si, Fe, Sn, Mg, Mn, Ni, Cr, Co, Ca, Cu, Li, Ti, Be, Bi, and rare earth elements as needed, and the balance composed of Zn and inevitable impurities; and a mixed layer which is formed on a surface of the galvannealed layer and includes a composite oxide of Mn, Zn, and P and an aqueous P compound, wherein the composite oxide contains includes an amount equal to or more than 0.1 mg/m² and equal to or less than 100 mg/m2 of Mn, an amount equal to or more than 1 mg/m2 and equal to or less than 100 mg/m2 of P, and Zn, and has so that a P/Mn ratio is of equal to or higher than 0.3 and equal to or lower than 50, and wherein the total size of an area of the mixed layer in which an attached amount of Pamount of Pamount of Pattached is equal to or more than 20 mg/m2 is equal to or higher than 20% and equal to or lower than 80% of a surface area of the mixed layer.

No. of Pages: 68 No. of Claims: 15

:NA

:NA

:NA

(21) Application No.4606/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MULTI STAGE CRYSTALLISATION PROCESS AND APPARATUS TO PURIFY A COMPOUND

(51) International (71)Name of Applicant: :B01D9/00,C01B25/234,C01B25/237 classification 1)SULZER CHEMTECH AG (31) Priority Document No :13151207.1 Address of Applicant :Sulzerallee 48 CH 8404 Winterthur (32) Priority Date :14/01/2013 Switzerland (72) Name of Inventor: (33) Name of priority :EPO country 1)JANSEN Halbe (86) International 2)PFEIL Mathias :PCT/EP2013/077079 Application No :18/12/2013 Filing Date (87) International :WO 2014/108285 Publication No (61) Patent of Addition to :NA **Application Number** 

## (57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

A process to purify a compound comprising a suspension crystallization step and additionally comprises a layer crystallization step and a storage step of an intermediate product obtained from the layer crystallization step before to its further purification in the suspension crystallization step.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :24/05/2012

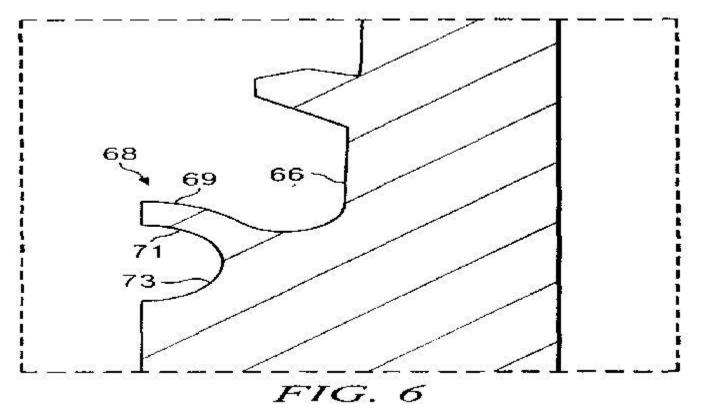
(43) Publication Date: 27/11/2015

# (54) Title of the invention: THREADED PIPE CONNECTION WITH A PRESSURE ENERGIZED FLEX-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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:F16L 15/04 :12/612,376 :04/11/2009 :U.S.A. :PCT/US2010/053372 :20/10/2010 :WO 2011/056429 :NA :NA	(71)Name of Applicant:  1)GANDY TECHNOLOGIES CORPORATION Address of Applicant: 200 RIVER POINTE DRIVE, SUITE 110, CONROE, TX 77304 (US) U.S.A. (72)Name of Inventor: 1)LENG, KUO-TSUNG
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A threaded pipe ponnection is shown which features a pressure energized flex-seal structure. The connection includes a first box member having a box end, the box end having an end opening defining an interior surface with internal threads, the internal threads being defined by crests and roots and opposing flanks. A second, mating pin member has a pin end with a pin nose, the pin end having an exterior surface with mating external threads, the external threads also having crests and roots and opposing flanks, at least selected ones of which move into engagement with the internal threads of the box when the connection is made up. A flex-seal region is located on the box end interior surface which is designed to engage a cooperating energizing surface on the mating pin end to thereby form a primary containment seal upon make up of the connection.



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

(21) Application No.4607/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HYDRAULIC SHOVEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/02/2013 :WO 2014/125622 :NA :NA :NA	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor: 1)NAKAGAMI Tatsuya
Filing Date	:NA :NA	

#### (57) Abstract:

A hydraulic shovel is configured in such a manner that at least part of an exhaust gas treatment device is located above an engine. The upper surface of an engine hood has a first flat surface section a second flat surface section and a sloped section. The first flat surface section is disposed above the engine. The second flat surface section is disposed above the exhaust gas treatment device at a position higher than the position of the first flat surface section. The second flat surface section has an air passage hole. The sloped section is disposed between the first flat surface section and the second flat surface section. The sloped section extends in a tilted position from the first flat surface section toward the second flat surface section.

No. of Pages: 45 No. of Claims: 11

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: APPARATUS FOR SEPARATING PLATE SHAPED HBI PARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:1020120142154 :07/12/2012 :Republic of Korea	(71)Name of Applicant:  1)POSCO  Address of Applicant:(Goedong dong) 6261 Donghaean ro  Nam gu Pohang si Gyeongsangbuk do 790 300 Republic of Korea (72)Name of Inventor:  1)JUNG Jae Hoon  2)KIM Do Seung  3)SHIN Myung Chan
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

Provided is an apparatus for separating plate shaped HBI particles which is capable of flexibly handling variations in workload according to the production volume and prevents the spaces between rotors from becoming clogged by the HBI during increased production volume. The structure of the apparatus comprises: a motor; a driving rotor rotatably coupled to a drive shaft of said motor and having a first protrusion part formed on the outer circumference thereof; a freely rotating idle rotor disposed parallel to the driving rotor and having a second protrusion part formed on the outer circumference thereof; and a controller which adjusts the clearance between the driving rotor and the idle rotor by moving the idle rotor with respect to the driving rotor wherein the clearance between the driving rotor and the idle rotor can be controlled according to the plate shaped HBI particles being introduced between the driving rotor and idle rotor.

No. of Pages: 18 No. of Claims: 6

(31) Priority Document No

(86) International Application

(87) International Publication

(62) Divisional to Application

(61) Patent of Addition to

(33) Name of priority country: EPO

(32) Priority Date

Filing Date

**Application Number** 

Filing Date

Filing Date

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

(51) International classification:C07C7/17,C07C7/171,C10G17/06

:NA

:NA

:NA

:NA

:12194658.6

:28/11/2012

:25/09/2013

:PCT/EP2013/069932

:WO 2014/082770

# (54) Title of the invention : METHOD FOR REMOVAL AND RECOVERY OF ORGANIC AMINES FROM A HYDROCARBON STREAM

(71)Name of Applicant:

#### 1)SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant : P.O. Box 5101 Riyadh 11422 Saudi

Arabia

2)LINDE AG

(72)Name of Inventor:

1)MOSA Fuad 2)AZAM Shahid

3)AL OTAIBE Sultan

4)FRITZ Peter

5)B-LT Heinz

6)MEISWINKEL Andreas

7)TAUBE Carsten 8)WINKLER Florian 9)MLLER Wolfgang

10)W–HL Anina 11)G–KE Volker

12)SCHNEIDER Richard

13)FRITZ Helmut

# (57) Abstract:

Number

The present invention relates to a method for removal and recovery of an organic amine from a hydrocarbon stream containing the amine comprising the steps of: i) mixing the hydrocarbon stream containing the amine with an aqueous inorganic acid in a volumetric ratio of hydrocarbon stream: aqueous inorganic acid of >1:1 5:1 preferably 1.5:1 4:1 more preferably 3:1 ii) phase separating of hydrocarbon and aqueous phase; hi) removing the hydrocarbon phase and optionally further purifying thereof iv) optionally recycling at least a part of the hydrocarbon phase obtained in step (iii) into mixing step (i) v) mixing the aqueous phase obtained in step (iii) with an aqueous alkaline solution vi) phase separating of an aqueous phase and an organic phase formed vii) removing the organic phase obtained in step (vi) and optionally further purifying thereof.

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

(21) Application No.4449/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: TOWER SECTION AND A METHOD FOR A TOWER SECTION

(51) International classification :E04H12/08,F03D11/04,F03D1/00 (71)Name of Applicant :

:13/11/2013

:WO 2014/075687

:PA 2012 70705 (31) Priority Document No (32) Priority Date :15/11/2012

(33) Name of priority country :Denmark

(86) International Application :PCT/DK2013/050377

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) VESTAS WIND SYSTEMS A/S

Address of Applicant : Hedeager 42 8200 Aarhus N Denmark

(72) Name of Inventor: 1)~LLGAARD B rge

#### (57) Abstract:

Indicator device (90) for indicating proper alignment of bolt and nut holes of two abutting flanges (72 72) of two tower sections (2 5) of a wind turbine tower structure (1) the indicator device (90) comprising a connector (122) for connecting the indicator device (90) to an inner face (71) of one of the flanges and a body (100) having a first body end (101) and an opposite second body end (112) closer to the connector (122) the indicator device (90) including a resiliently deformable part (150) a pneumatic system or a hydraulic system allowing for the indicator device (90) to assume a normal configuration wherein the first body end (101) is distant from the connector (122) and a second configuration wherein the first body end (101) is located closer to the connector (122) the resiliently deformable part or pneumatic system or hydraulic system urging the first body end (101) from the second configuration towards the first configuration.

No. of Pages: 17 No. of Claims: 24

(21) Application No.4615/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: FLATNESS MEASURING AND MEASURING OF RESIDUAL STRESSES FOR A METALLIC FLAT **PRODUCT**

(51) International :B21B38/02,B21C51/00,G01B21/20

classification (31) Priority Document No :A50572/2012

(32) Priority Date :11/12/2012 (33) Name of priority country: Austria

(86) International Application :PCT/EP2013/074563

No :25/11/2013 Filing Date

(87) International Publication :WO 2014/090555

(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)SIEMENS VAI METALS TECHNOLOGIES GMBH

Address of Applicant: Turmstrasse 44 4031 Linz Austria

(72)Name of Inventor: 1)LINSBOD Robert 2)GRSS Ansgar 3)BURGER Rainer 4)HLOBIL Helmut 5)HUNT Peter

## (57) Abstract:

The invention relates to flatness measuring and measuring of residual stresses in a metallic flat product (1). A problem addressed by the invention is that of increasing the accuracy and reliability of existing flatness measuring devices (6) and/or methods. This problem is solved by a method for measuring the flatness of a metallic flat product (1) that has the following method steps: bending the flat product (1) in a bending device (3) such that a planar flat product (1) would form an arc (5) with a target bending radius r after bending; measuring the contour particularly the actual bending radii r(y) in the region of the arc (5) of the bent flat product (1) at a plurality of positions (y) in the width direction of the flat product (1); and determining the flatness of the flat product (1) taking into account the measured contour of the bent flat product (1).

No. of Pages: 34 No. of Claims: 16

(21) Application No.4610/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WIND TURBINE BLADE WITH LIGHTNING PROTECTION

(51) International classification: B29C33/00,B29C33/12,F03D1/06 (71) Name of Applicant:

:20/11/2013

(31) Priority Document No :PA 2012 70721 (32) Priority Date :20/11/2012

(33) Name of priority country :Denmark

(86) International Application :PCT/DK2013/050392 No

Filing Date

(87) International Publication :WO 2014/079458

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

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

(57) Abstract:

1) VESTAS WIND SYSTEMS A/S Address of Applicant : Hedeager 42 8200 Aarhus N Denmark (72)Name of Inventor: 1)RAJASINGAM Damien 2)COLLARD Toby

A method of making a wind turbine blade (10) having a metallic lightning receptor (110) is described. The method comprises configuring a wind turbine blade (10) mould assembly (100) such that a clearance region (120) is defined between a mould surface (116) of at least one mould half (112 114) and a majority of a metallic lightning receptor component (110) when the mould assembly (100) is closed such that contact between that mould half (112 114) and the metallic lightning receptor component (110) is substantially avoided. In certain embodiments of the invention one or both mould halves (112 114) are truncated such that the metallic lightning receptor component (110) projects from the mould (100) when the mould (100) is closed.

No. of Pages: 27 No. of Claims: 22

(22) Date of filing of Application :24/05/2012

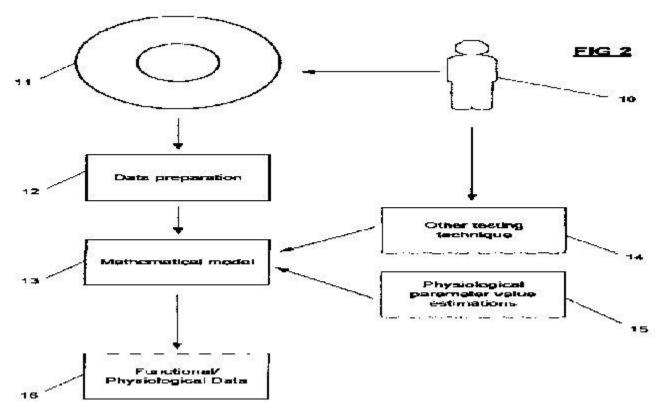
(43) Publication Date: 27/11/2015

# (54) Title of the invention: LUNG FUNCTION ANALYSIS METHOD AND APPARATUS

(51) International classification	:G01R 33/20	(71)Name of Applicant:
(31) Priority Document No	:0919269.1	1)BIOXYDYN LIMITED
(32) Priority Date	:03/11/2009	Address of Applicant :C/O UMIP, CTF 46 GRAFTON
(33) Name of priority country	:U.K.	STREET, MANCHESTER M13 9NT LANCASHIRE (GB) U.K.
(86) International Application No	:PCT/GB2010/001989	(72)Name of Inventor:
Filing Date	:27/10/2010	1)PARKER, GEOFFREY
(87) International Publication No	:WO 2011/055105	2)NAISH, JOSEPHINE
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for generating data indicative of lung function of a subject. The method comprises receiving first data which has been obtained from the subject, and inputting said first data to a model of lung function to generate said data indicative of lung function. The model of lung function comprises a first model component modelling transfer of gaseous oxygen from a gaseous space within the lung to biological material within the lung based upon quantitative data indicative of oxygen content in the inhaled gases and oxygen content in the biological material and a second model component modelling the transfer of oxygen from the lungs by oxygenation of venous blood to create oxygenated blood based upon quantitative data indicative of oxygen content in the venous blood.



No. of Pages: 52 No. of Claims: 38

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CONVERSION STRUCTURE FOR A MOLDING SYSTEM

(51) International classification	:B29C45/10	(71)Name of Applicant:
(31) Priority Document No	:61/736760	1)HUSKY INJECTION MOLDING SYSTEMS LTD.
(32) Priority Date	:13/12/2012	Address of Applicant :500 Queen Street South Bolton Ontario
(33) Name of priority country	:U.S.A.	L7E 5S5 Canada
(86) International Application No	:PCT/CA2013/050842	(72)Name of Inventor:
Filing Date	:06/11/2013	1)MAI Arnold Heinz
(87) International Publication No	:WO 2014/089692	2)METZ Philippe Alexandre
(61) Patent of Addition to Application	:NA	3)SEVESTRE Michael Yvon
Number	:NA	4)GOW Geoffrey Andrew
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein amongst other things are various conversion structures for use in a molding system (100 200). A non limiting embodiment of the conversion structure includes a standard mold receiver (140 157) and a mold conversion module (151A 151B 151C 251A 251B 251C 251D 251E 251F 152A 152B 152C 170A 170B 170C). The standard mold receiver (140 57) and the mold conversion module (151A 151B 151C 251A 251B 251C 251D 251E 251F 152A 152B 152C 170A 170B 170C) are configured to cooperate wherein the mold conversion module

(151A 151B 151C 251A 251B 251C 251D 251E 251F 152A 152B 52C 170A 170B 170C) is receivable in the standard mold receiver (140 157) for converting a molding configuration of a mold (120).

No. of Pages: 42 No. of Claims: 63

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DETECTION OF EARLY-STAGE PANCREATIC ADENOCARCINOMA

(51) International classification	:G01N 33/53	(71)Name of Applicant:
(31) Priority Document No	:61/297,303	1)IMMUNOMEDICS, INC.
(32) Priority Date	:22/01/2010	Address of Applicant :300 AMERICAN ROAD, MORRIS
(33) Name of priority country	:U.S.A.	PLAINS, NEW JERSEY 07950, U.S.A. U.S.A.
(86) International Application No	:PCT/US2011/021825	(72)Name of Inventor:
Filing Date	:20/01/2011	1)GOLD, DAVID V.
(87) International Publication No	:WO 2011/091113	2)GOLDENBERG, DAVID M.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Described herein are compositions and methods of use of anti-pancreatic cancer antibodies or fragments thereof, such as murine, chimeric, humanized or human PAM4 antibodies. The subject antibodies show a number of novel and useful diagnostic characteristics, such as binding with high specificity to pancreatic and other cancers, but not to normal pancreatic tissues and binding to a high percentage of early stage pancreatic cancers. In preferred embodiments, the antibodies bind to pancreatic cancer mucins. The antibodies and fragments are of use for the detection and diagnosis of early stage pancreatic cancer. In preferred embodiments, the anti-pancreatic cancer antibodies can be used for immunoassay of serum samples, wherein the immunoassay can detect a marker for early stage pancreatic cancer in serum. More preferably, the serum is extracted with an organic phase, such as butanol, before immunoassay.

No. of Pages: 194 No. of Claims: 28

(21) Application No.4602/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: SELF EXTINGUISHING POLYMERIC COMPOSITION

(51) International :C08L25/06,C08L51/04,C08L53/00

classification

(31) Priority Document No :MI2012A001973 (32) Priority Date :20/11/2012 (33) Name of priority country: Italy

(86) International Application

:PCT/IB2013/060157

:15/11/2013 Filing Date

(87) International Publication :WO 2014/080326

(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)VERSALIS S.P.A

Address of Applicant : P. le Boldrini 1 I 20097 S. Donato

Mil.se (MI) Italy

(72) Name of Inventor:

1)CASALINI Alessandro

2)LONGO Aldo

3)PONTICIELLO Antonio

4)VANNUCCI Giuditta

#### (57) Abstract:

The present invention relates to a self extinguishing polymeric composition comprising: a) a stabilizing polymeric composition containing i) from 80% to 99.5% by weight of one or more vinylaromatic polymers compatible with each other; and ii) from 0.5% to 20% by weight of at least one block copolymer containing: 1) at least one vinylaromatic polymer block compatible with (i) and constituting a weight quantity equal to or higher than 15% by weight with respect to the whole block copolymer and 2) at least one vinyl copolymer block containing epoxy groups so that there is from 0.7% to 19% by weight of oxirane oxygen calculated on the total of block copolymer; and b) from 0.03 phr by weight to 10 phr by weight calculated on the basis of component (a) of at least one halogenated flame retardant.

No. of Pages: 43 No. of Claims: 12

(21) Application No.4603/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CNT-INFUSED FIBERS IN THERMOPLASTIC MATRICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C01B 31/02 :61/267,794 :08/12/2009 :U.S.A. :PCT/US2010/059565 :08/12/2010 :WO 2011/072071 :NA :NA :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS, LLC Address of Applicant:2323 EASTERN BLVD., BALTIMORE, MD 21220 UNITED STATES U.S.A. (72)Name of Inventor: 1)SHAH TUSHAR K. 2)MALECKI HARRY C. 3)WAICUKAUSKI JAMES A. 4)ALBERDING MARK R.
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## (57) Abstract:

A composite includes a thermoplastic matrix material and a carbon nanotube (CNT)-infused fiber material dispersed through at least a portion of the thermoplastic matrix material.

No. of Pages: 61 No. of Claims: 18

(21) Application No.4603/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHODS FOR GLASS STRENGTHENING

(51) International classification	:C03C21/00,C03C23/00	(71)Name of Applicant:
(31) Priority Document No	:61/731770	1)CORNING INCORPORATED
(32) Priority Date	:30/11/2012	Address of Applicant :1 Riverfront Plaza Corning New York
(33) Name of priority country	:U.S.A.	14831 U.S.A.
(86) International Application No	:PCT/US2013/072265	(72)Name of Inventor:
Filing Date	:27/11/2013	1)DEMARTINO Steven Edward
(87) International Publication No	:WO 2014/085608	2)ELMER Thomas Helmut
(61) Patent of Addition to Application	:NA	3)USENKO Alexander
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Methods include providing a glass wherein the glass is capable of being phase separated; phase separating the glass; leaching at least one surface of the glass to form a leached glass surface layer; and replenishing the leached glass surface layer with constituents to form a replenished glass surface layer wherein the constituents cause swelling of the replenished glass surface layer.

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

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CNT-INFUSED METAL FIBER MATERIALS AND PROCESS THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B32B 9/00 :12/611,073 :02/11/2009 :U.S.A. :PCT/US2010/052555 :13/10/2010 :WO 2011/053459 :NA :NA	(71)Name of Applicant:  1)APPLIED NANOSTRUCTURED SOLUTIONS, LLC Address of Applicant:2323 EASTERN BLVD, BALTIMORE, MD 21220, UNITED STATES U.S.A. (72)Name of Inventor: 1)SHAH TUSHAR K. 2)GARDNER SLADE H. 3)ALBERDING MARK R. 4)MALECKI HARRY C.
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#### (57) Abstract:

A composition includes a carbon nanotube (CNT)-infused metal fiber material which includes a metal fiber material of spoolable dimensions, a barrier coating conformally disposed about the metal fiber material, and carbon nanotubes (CNTs) infused to the metal fiber material. A continuous CNT infusion process includes: (a) disposing a barrier coating and a carbon nanotube (CNT)-forming catalyst on a surface of a metal fiber material of spoolable dimensions; and (b) synthesizing carbon nanotubes on the metal fiber material, thereby forming a carbon nanotube-infused metal fiber material.

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

(21) Application No.4604/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : EXHAUST GAS TREATMENT UNIT MANUFACTURING METHOD FOR EXHAUST GAS TREATMENT UNIT AND WORKING VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/JP2013/053721 :15/02/2013 :WO 2014/125624 :NA :NA	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor: 1)SAKAI Takashi 2)IRIE Takayuki
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are an exhaust gas treatment unit in which a diesel particulate filter device and a selective catalytic reduction device are stably supported by a small number of components and a working vehicle. An exhaust gas treatment unit is an exhaust gas treatment unit for treating exhaust gas from an engine of a working vehicle and is provided with a first exhaust gas treatment device a second exhaust gas treatment device and a first bracket. The first exhaust gas treatment device and the second exhaust gas treatment device are attached to the first bracket. The first bracket comprises an edge part and a body part. The body part has a convex shape swelling downward from the edge part. The body part includes a first support section and a second support section. The first support section directly supports the first exhaust gas treatment device. The second support section directly supports the second exhaust gas treatment device.

No. of Pages: 56 No. of Claims: 20

(21) Application No.4612/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DEVICE FOR THE MAGNETIC TREATMENT OF A HYDROCARBON CONTAINING FLUID

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A 1254/2012 :28/11/2012	1)BARILITS GUPTA Maria Michaela Address of Applicant :Hochberggasse 5 A 7021 Drassburg
(33) Name of priority country (86) International Application No Filing Date	:Austria :PCT/AT2013/000188 :08/11/2013	Austria (72)Name of Inventor: 1)BARILITS GUPTA Maria Michaela
(87) International Publication No	:WO 2014/082107	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device (1) for the magnetic treatment of a hydrocarbon containing fluid which device comprises a pipe (2) for the fluid to flow through and six magnets (3) that form three pairs arranged one behind the other the magnetic fields of which penetrate the interior of the pipe wherein the magnets are of substantially cylindrical construction and are arranged outside the pipe wherein the two magnets of a pair are arranged aligned with one another on opposing sides of the pipe wall and each have one of their end faces (4) directed towards the pipe and wherein each magnet has a line pattern of alternating magnet polarity which line pattern is aligned perpendicular to the flow direction of the fluid.

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

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CONNECTING DEVICE FOR USE IN NEGATIVE PRESSURE WOUND THERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61M 27/00 :10 2009 060 596.7 :23/12/2009 :Germany :PCT/EP2010/007413 :07/12/2010 :WO 2011/076340 :NA :NA :NA	(71)Name of Applicant:  1)PAUL HARTMANN AKTIENGESELLSCHAFT Address of Applicant:PAUL-HARTMANN-STRAE 12, 89522 HEIDENHEIM, GERMANY Germany (72)Name of Inventor: 1)ECKSTEIN, AXEL 2)HOFSTETTER, JURGEN 3)CROIZAT, PIERRE
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#### (57) Abstract:

Attachment device (2) for use in the vacuum therapy of wounds, with a conduit (4) to which a vacuum can be applied, with a large-surface vacuum-tight mounting means (6), to whose topside (9) facing away from the wound the conduit (4) is vacuum-tightly fastened, wherein the mounting means (6) can be attached to a vacuum dressing covering and tightly sealing the wound against the atmosphere, preferably using an additional adhesive film (10), wherein the conduit (4) communicates with the wound space through openings (22) in the mounting means (6) and in the vacuum dressing, wherein the conduit (4) is constituted to be flexible and flat and is connected to the mounting means (6) for the intended use non-detachably and extensively in a longitudinal section (8) on the wound side over at least 70% of its surface projected perpendicularly onto the mounting means (6), and that the conduit (4) is made out of a flexible elastomer material of Shore A hardness of no more than 60 and that the thickness (D) of the combined conduit (4) and mounting means (6) is no more than 7 mm.

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

(21) Application No.4613/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: HYDRAULIC SHOVEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)NAKAMURA Naoto
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#### (57) Abstract:

Provided is a hydraulic shovel which facilitates a worker to walk up and down steps provided to the traveling body. A hydraulic shovel is provided with a traveling body and a rotating body. The rotating body is mounted on the traveling body and has a rotating frame which functions as a base. The rotating body has: a right section which is located on the right side of a centerline of the rotating body as viewed in the left right direction of the rotating body; and a left section which is located on the left side of the centerline as viewed in the left right direction of the rotating body. The rotating body has a cab a handrail and a grip. The cab is provided to one of the right section and the left section. The handrail is provided to the other of the right section and the left section so as to be located at the front end of a side of the rotating body and extends upward toward the rear of the rotating body from the front end. The grip is provided below the handrail on a side surface of the rotating frame. The traveling body has a track frame and steps. The steps are provided below the handrail on the side surfaces of the track frame.

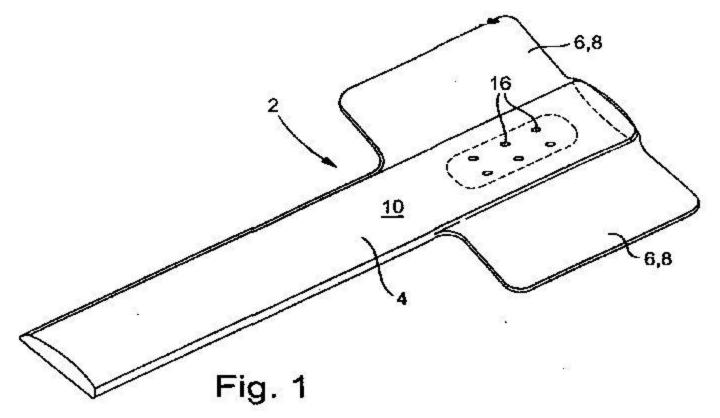
No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CONNECTION DEVICE.

#### (57) Abstract:

The invention concerns a connecting device (2) for vacuum treatment of wounds, comprising a conduit means (4) which can be evacuated, and a carrier means (6), wherein the connecting device can be disposed onto a vacuum dressing (13) which extends over the wound and tightly seals it from the atmosphere, wherein the conduit means (4) communicates with the wound space through at least one opening (16) in a wall (18) of the conduit means (4) facing the vacuum dressing and through at least one opening in the vacuum dressing (13), characterized in that the conduit means (4) is flexible and flat and the conduit means (4) and the carrier means (6) are formed in one piece in that, starting from a central longitudinal section (10) which forms a longitudinal channel (12), the conduit means (4) merges on both sides into a lateral wing section (8), and the flat conduit means (4) with longitudinal section (10) and lateral wing sections (8) can be widely applied onto the vacuum dressing (13).



No. of Pages: 15 No. of Claims: 12

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: MODULAR ABOVE THE FLOOR RUDDER AND BRAKE CONTROL SYSTEM

(51) International :B64C13/04,B64C13/06,B64C13/50 classification

(31) Priority Document No :61/724815

(32) Priority Date :09/11/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/069509

:11/11/2013 Filing Date

(87) International Publication :WO 2014/075023

(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)MASON ELECTRIC CO.

Address of Applicant: 13955 Balboa Boulevard Sylmar CA

91342 U.S.A.

(72) Name of Inventor: 1)CARNER Fred 2)SALAMAT Bijan

### (57) Abstract:

A modular brake and rudder control system usable in an aircraft. The modular system mounts atop the flight deck floor (16) without penetrating through the floor when the system is operatively connected to the aircraft s fly by wire brake and rudder systems. Pedal assemblies (66) extending from the housing (40) are rotatable and longitudinally moveable relative to the housing. A brake control system fully contained in the housing is connected to the pedal assemblies and provides a signal via an electrical connector (28) to the fly by wire brake system upon rotation of the pedals. A rudder control system is fully contained in the housing and is operable independent of the brake control system. The rudder control system detects longitudinal motion of the pedal assemblies and provides a signal via an electrical connector (28) to the fly by wire rudder system. The housing the electrical connectors the pedal assemblies the brake control system and the rudder control system define a modular component installable and removable from the cockpit as a unit.

No. of Pages: 49 No. of Claims: 20

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INTEGRALLY FORMED LIGHT EMITTING DIODE LIGHT WIRE AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H05B 33/08 :12/703,116 :09/02/2010 :U.S.A. :PCT/US2010/051784 :12/02/2010 :WO 2011/098135	(71)Name of Applicant:  1)HUIZHOU LIGHT ENGINE LTD.  Address of Applicant: NO. 7 BUILDING, NO. 21 JIANG BEI YUN SHAN EAST ROAD, HUIZHOU CITY, GUANGDONG, CHINA China (72)Name of Inventor:  1)PAUL LO
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	2)TEDDY YEUNG MAN LO 3)EDDIE PING KUEN LI
Filing Date	:NA	

### (57) Abstract:

Integrally formed LED light wires are provided, comprising a plurality of dynamically addressible LED modules, each LED module comprising one or more LEDs; a microcontroller; and one or more ports, said microcontroller being configured to: check a status of at least one of said one or more ports; if the status of the port corresponds to a predetermined state: assign the LED module to which said microcontroller belongs to a first display address, and send signals to said microcontroller of a neighboring LED module, said signals assigning respective further display address to the neighboring LED module. Such LED light wires can also include a display memory which stores current display information associated with each of said LED modules in said LED light wire, and a display controller, said display controller being configured to update the current display information stored in said display memory.

No. of Pages: 59 No. of Claims: 20

(21) Application No.4479/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SINGLE DOSE RECOMBINANT BOVINE FSH AFTER FOLLICULAR SYNCHRONISATION

:A61K38/24,A01K67/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :12306428.9 1)CEVA SANTE ANIMALE (32) Priority Date :16/11/2012 Address of Applicant :10 avenue de la Ballasti re F 33500 (33) Name of priority country :EPO Libourne France (86) International Application No :PCT/EP2013/073928 (72) Name of Inventor: Filing Date :15/11/2013 1)SOUZA Alexandre (87) International Publication No :WO 2014/076231 2)ISAKA Naomi (61) Patent of Addition to Application 3)CARRIE Aude :NA Number 4)THIBAUD Dominique :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to methods and compositions for increasing reproduction performance in non human mammals using a biologically active recombinant Follicle Stimulating Hormone (rFSH). The invention also relates to methods for increasing ovulation or embryo production or pregnancies in non human mammal using rFSH. The invention may be used in particular in ungulates such as bovine or equine.

No. of Pages: 32 No. of Claims: 27

(21) Application No.4624/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ELECTRIC DISTRIBUTOR DIVECE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:06/06/2011 :WO 2011/0154365 :NA :NA	(71)Name of Applicant:  1)PHOENIX CONTACT GMBH & CO. KG Address of Applicant:FLACHSMARKTSTRASSE 8, 32825 BLOMBERG, GERMANY, Germany (72)Name of Inventor: 1)ANDRESEN, JENS
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an electric distributor device (10) for connecting to at least one cable, comprising a guide device (14), a connector part (30), and a coupling nut (12) for screwing onto the connector part (30), the latter having at least one connection element (22) and at least one insulation-displacement connector (24) that is electrically connected to the connection element (22). It is intended that the guide device (14) has a cable holder part (16) for holding several cable end regions, each hav—ing at least one conductor and a conductor guide part (18) for guiding the conductors by means of conductor guide structures (34), wherein the insulation-displacement con—nector device (24) has a number of crimping clamps (26) corresponding to the number of cables and each of the con—nectors is electrically connected to an assigned connection element (22). When the coupling nut (12) which overlaps the guide device (14), is screwed onto the connector part (30), the conductor insulation of the conductors that run in the guide device (14) is severed by the crimping clamps (26).

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

(21) Application No.4616/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD OF TREATING AND/OR PREVENTING CONDITIONS CAUSED BY MICROORGANISMS USING AN ORAL LIGHT DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61N 5/06 :61/288,377 :21/12/2009 :U.S.A. :PCT/US2010/061332 :20/12/2010 :WO 2011/079075 :NA :NA :NA	(71)Name of Applicant:  1)COLGATE-PALMOLIVE COMPANY Address of Applicant:300 PARK AVENUE, NEW YORK, NEW YORK 10022, U.S.A. U.S.A. (72)Name of Inventor: 1)PATEL MADHUSUDAN 2)PAREDES ROSA 3)HASSAN MAHMOUD 4)BOYD THOMAS
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#### (57) Abstract:

Generally regarded as safe (GRAS) dyes can be used as photosensitizing dyes in oral compositions to provide anti-bacterial and anti-inflammatory efficacy. Embodiments include oral care compositions including photosensitizing dyes, methods of making the compositions, methods of using the compositions, and kits containing the compositions and light emitting devices.

No. of Pages: 44 No. of Claims: 29

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SPLIT PASS OPEN DIE FORGING FOR HARD TO FORGE STRAIN PATH SENSITIVE TITANIUM BASE AND NICKEL BASE ALLOYS

(51) International classification :B21J1/02,C21D7/10,C22F1/10 (71)Name of Applicant : (31) Priority Document No 1)ATI PROPERTIES INC. :13/844545 (32) Priority Date Address of Applicant: 1600 N.E. Old Salem Road Albany :15/03/2013 (33) Name of priority country Oregon 97321 U.S.A. :U.S.A. (86) International Application No: PCT/US2014/019788 (72) Name of Inventor: Filing Date :03/03/2014 1)THOMAS Jean Philippe A. (87) International Publication No :WO 2014/149594 2)MINISANDRAM Ramesh S. (61) Patent of Addition to 3)FLODER Jason P. :NA **Application Number** 4)SMITH JR. George J. :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

Split pass forging a workpiece to initiate microstructure refinement comprises press forging a metallic material workpiece in a first forging direction one or more times up to a reduction ductility limit of the metallic material to impart a total strain in the first forging direction sufficient to initiate microstructure refinement; rotating the workpiece; open die press forging the workpiece in a second forging direction one or more times up to the reduction ductility limit to impart a total strain in the second forging direction to initiate microstructure refinement; and repeating rotating and open die press forging in a third and optionally one or more additional directions until a total amount of strain to initiate microstructure refinement is imparted in an entire volume of the workpiece.

No. of Pages: 33 No. of Claims: 22

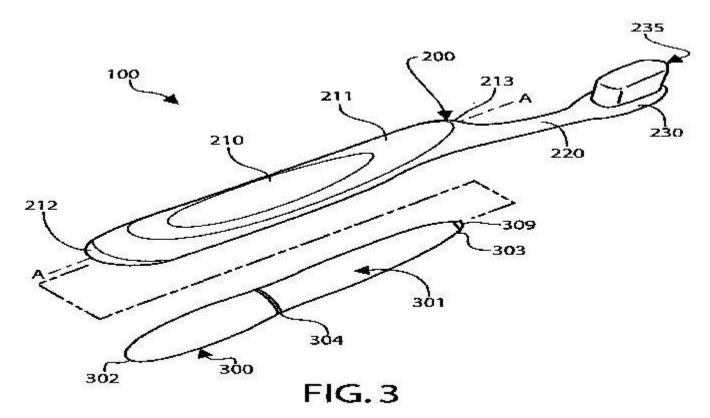
(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ORAL CARE SYSTEM

(51) International classification	:A46B 11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COLGATE-PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 PARK AVENUE, NEW YORK,
(33) Name of priority country	:NA	NY 10022, U.S.A. U.S.A.
(86) International Application No	:PCT/US2009/069408	(72)Name of Inventor:
Filing Date	:23/12/2009	1)JIMENEZ EDUARDO
(87) International Publication No	:WO 2011/078864	2)KENNEDY SHARON
(61) Patent of Addition to Application	:NA	3)MOSKOVICH ROBERT
Number	:NA	4)GATZEMEYER JOHN
Filing Date	.IVA	5)HARDEN DANIEL
(62) Divisional to Application Number	:NA	6)TURGEL ARIEL
Filing Date	:NA	7)BENAVIDEZ DAVID

## (57) Abstract:

An oral care system and method comprising an oral care implement such as a toothbrush having a plurality of tooth engaging elements and a cavity adapted to detachably house a dispenser containing an oral care agent. In one embodiment, the dispenser may be configured as a dispensing pen having an applicator on one end. A user may dismount the dispenser from the toothbrush, apply the agent to the oral surface, and re-mount the dispenser in the toothbrush for storage.



No. of Pages: 70 No. of Claims: 64

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43)

(21) Application No.4617/DELNP/2015 A

(43) Publication Date : 27/11/2015

# (54) Title of the invention : RECOMBINANT OR TRANSGENIC FACTOR VII COMPOSITION, EACH FACTOR VII MOLECULE HAVING TWO N-GLYCOSYLATION SITES WITH DEFINED GLYCAN UNITS

(51) International classification	:A61K38/48,	(71)Name of Applicant :
	C12N9/64	1)LFB BIOTECHNOLOGIES
(31) Priority Document No	:0604872	Address of Applicant :3 Avenue des Tropiques, ZA de
(32) Priority Date	:31/05/2006	Courtaboeuf, F-91940 Les Ulis, France, France
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No	:PCT/FR2007/000909	1)ABDESSATAR SAMI CHTOUROU
Filing Date	:31/05/2006	2)EMMANUEL NONY
(87) International Publication No	: NA	3)NICOLAS BIHOREAU
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:9908/DELNP/2008	

## (57) Abstract:

Filed on

THE INVENTION IS RELATED TO A COMPOSITION OF RECOMBINANT OR TRANSGENIC FACTOR VII, EACH MOLECULE OF FACTOR VII OF THE COMPOSITION EXHIBITING TWO N-GLYCOSYLATION SITES, WHEREIN, AMONG ALL THE MOLECULES OF FVII OF THE COMPOSITION, THE RATE OF GAIAL, 3GAL GLYCAN MOIETIES IS COMPRISED BETWEEN 0 AND 4%. THE INVENTION IS ALSO RELATED TO A PROCESS FOR PREPARING SUCH A COMPOSITION OF FVII

:27/11/2008

No. of Pages: 76 No. of Claims: 35

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : VALVE HAVING A ROTATABLE STOPPER, AND WATER TREATMENT FACILITY COMPRISING SUCH A VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:0905487 :16/11/2009 :France	(71)Name of Applicant: 1)ARKLING LIMITED Address of Applicant: 206 NEPTUNE HOUSE, MARINA BAY, GIBRALTAR. Gibraltar (72)Name of Inventor: 1)MARINZET BERNARD LAURENT GILBERT
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a valve (24) comprising: a body (40) defining a cavity and provided with a first opening (60) that makes it possible to feed water into the cavity, a second opening that makes it possible to discharge water from the cavity, and a third opening that makes it possible to connect the cavity (41) with a chamber; a stopper (49) that is rotatable inside the cavity, the stopper comprising a depression (77) on the outer surface (90) thereof that contributes to the definition of a passage enabling the flow of water between the first and third openings in first angular positions of the stopper and moreover enabling the flow of water between the second and third openings in second angular positions of the stopper; a sealing device that makes it possible to ensure a sealed stopping of the first opening (60) by means of the stopper in said second angular positions of the stopper; and a second sealing device that makes it possible to ensure a sealed stopping of the second opening by means of the stopper in said first angular positions of the stopper.

No. of Pages: 39 No. of Claims: 17

(22) Date of filing of Application :25/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PYRIMIDINE NUCLEOTIDES AND THEIR MONOPHOSPHATE PRODRUGS FOR TREATMENT OF VIRAL INFECTIONS AND CANCER

(51) International classification :C07H19/06,C07H19/10,A61K31/7068

(31) Priority Document No:61/719696

(32) Priority Date :29/10/2012

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

country (86) International

Application No :PCT/US2013/067309

Filing Date :29/10/2013

(87) International

Publication No :WO 2014/070771

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

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

(71)Name of Applicant:

1)COCRYSTAL PHARMA INC.

Address of Applicant :1860 Montreal Road Tucker GA 30084

U.S.A.

2) EMORY UNIVERSITY

(72)Name of Inventor:

1)AMBLARD Franck 2)COATS Steven J.

3)SCHINAZI Raymond F.

## (57) Abstract:

The present invention is directed to compounds compositions and methods for treating or preventing cancer and viral infections in particular HIV HCV Norovirus Saporovirus cytomegalovirus (CMV) herpes viruses (HSV 1 HSV 2) Dengue virus Yellow fever or HBV in human patients or other animal hosts. The compounds are certain A hydroxycytidine nucleosides derivatives modified monophosphate and phosphonates prodrugs analogs and pharmaceutically acceptable salts prodrugs and other derivatives thereof. In particular the compounds show potent antiviral activity against HIV 1 HIV 2 HCV Norovirus Saporovirus cytomegalovirus (CMV) herpes viruses (HSV 1 HSV 2) Dengue virus Yellow fever and HBV.

No. of Pages: 162 No. of Claims: 69

(22) Date of filing of Application :21/05/2012

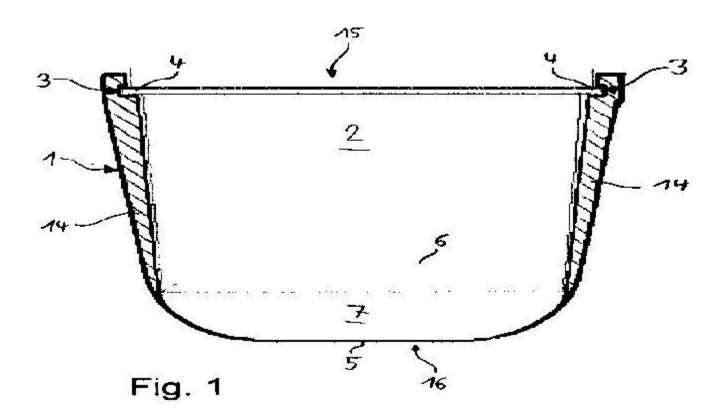
(43) Publication Date: 27/11/2015

# (54) Title of the invention: A COVER, A TREATMENT DEVICE AND A METHOD OF USE OF SUCH A DEVICE

(51) International classification	:A61N 7/02	(71)Name of Applicant :
(31) Priority Document No	:09177407.5	1)THERACLION SAS
(32) Priority Date	:27/11/2009	Address of Applicant :PARIS SANTE COCHIN, 29 RUE DU
(33) Name of priority country	:EUROPEAN	FAUBOURG SAINT JACQUES, 75014 PARIS, FRANCE,
(33) Name of priority country	UNION	France
(86) International Application No	:PCT/EP2010/068034	(72)Name of Inventor:
Filing Date	:23/11/2010	1)PECHOUX, THIERRY
(87) International Publication No	:WO 2011/064209	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention concerns a cover member, especially for a HIFU head, comprising a peripheral outer wall, an open first side configured to partially cover an ultrasound head and a closed second side comprising a flexible membrane adapted for contact with a patients skin, characterized in that the cover member is removeably attachable to the tip of said ultrasound probe.



No. of Pages: 32 No. of Claims: 23

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: OCEAN THERMAL ENERGY CONVERSION POWER PLANT

(51) International desiration	F03.67/05	/71\NJ
(51) International classification	:F03G7/05	(71)Name of Applicant:
(31) Priority Document No	:61/723498	1)THE ABELL FOUNDATION INC.
(32) Priority Date	:07/11/2012	Address of Applicant :Suite 2300 111 S. Calvert Street
(33) Name of priority country	:U.S.A.	Baltimore Maryland 21202 6174 U.S.A.
(86) International Application No	:PCT/US2013/068894	(72)Name of Inventor:
Filing Date	:07/11/2013	1)COLE Barry R.
(87) International Publication No	:WO 2014/074686	2)ROSS Jonathan M.
(61) Patent of Addition to Application	:NA	3)SHAPIRO Laurence Jay
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An offshore power generation structure comprising a submerged portion having a first deck portion comprising an integral multi stage evaporator system a second deck portion comprising an integral multi stage condensing system a third deck portion housing power generation equipment cold water pipe; and a cold water pipe connection.

No. of Pages: 100 No. of Claims: 35

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : CELL SHEET FOR MYOCARDIAL REGENERATION, METHOD OF PRODUCING THE SAME, AND METHOD OF USING THE SAME

(51) International classification	:A61L 27/00	(71)Name of Applicant:
(31) Priority Document No	:2009-276980	1)SAWA YOSHIKI
(32) Priority Date	:13/11/2009	Address of Applicant :8-3, KENDANI-CHO,
(33) Name of priority country	:Japan	NISHINOMIYA-SHI, HYOGO 662-0099, JAPAN. Japan
(86) International Application No	:PCT/JP2010/065554	(72)Name of Inventor:
Filing Date	:09/09/2010	1)SAWA YOSHIKI
(87) International Publication No	:WO 2011/058813	2)SHUDO YASUHIRO
(61) Patent of Addition to Application	:NA	3)MIYAGAWA SHIGERU
Number		4)SHIMIZU TATSUYA
Filing Date	:NA	5)OKANO TERUO
(62) Divisional to Application Number	:NA	6)MATSUYAMA AKIFUMI
Filing Date	:NA	7)SAITO ATSUHIRO

#### (57) Abstract:

Provided are a cell sheet and a three-dimensional structure thereof that include at least mesenchymal stem cells and myoblasts isolated from a cell culture support and that are to be applied to heart disease. Use of the cell sheet and the three-dimensional structure thereof including mesenchymal stem cells and myoblasts can notably improve cardiac functions compared with a conventional technology, i.e., use of cell sheets composed of myoblasts only or mesenchymal stem cells only. Furthermore, the cell sheet itself has high strength, and the transplantation procedure is also improved.

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

(21) Application No.4620/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A TELECOMMUNICATIONS STATION ENCLOSURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H04W88/08 :61/736480 :12/12/2012	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)  Address of Applicant: SE 164 83 Stockholm Sweden  (72)Name of Instruction:
<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>	:U.S.A. :PCT/SE2013/051501 :12/12/2013 :WO 2014/092639 :NA :NA	(72)Name of Inventor : 1)H"GER Peter

## (57) Abstract:

The present invention relates to a telecommunications station enclosure (26) which comprises a panel assembly configured to essentially conceal a telecommunications station (24). The panel assembly is configured to conceal the telecommunications station at least partially with a sign or display (34) when the telecommunications station (24) is mounted on a vertical pole (22).

No. of Pages: 59 No. of Claims: 37

(22) Date of filing of Application :24/05/2012

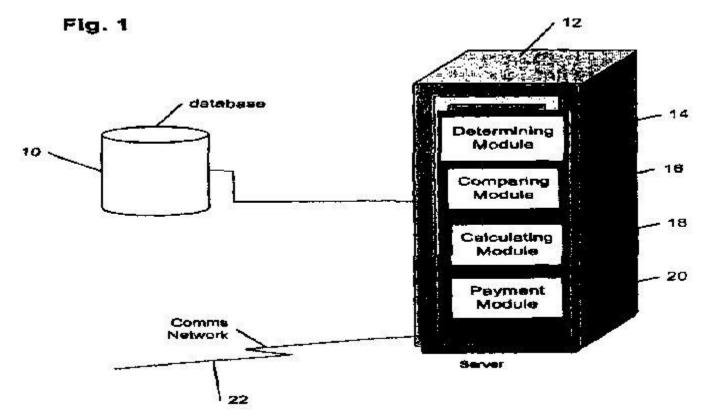
(43) Publication Date: 27/11/2015

# (54) Title of the invention: A SYSTEM AND METHOD OF MANAGING AN INSURANCE SCHEME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G06Q 40/00 :2009/07507 :26/10/2009 :South Africa :PCT/IB2010/054820 :25/10/2010 :WO 2011/051873 :NA	(71)Name of Applicant:  1)DISCOVERY LIFE LIMITED  Address of Applicant: 25 FREDMAN DRIVE, SANDTON, 2196, SOUTH AFRICA South Africa (72)Name of Inventor:  1)GORE, ADRIAN 2)MAYERS, HERSCHEL PHILLIP 3)RABSON, KENNETH STEVEN
` '		

#### (57) Abstract:

A method of managing an insurance policy includes storing in a memory a policy inception interest rate level which is an interest rate level payable on debt of the insured person. After the policy inception an interest rate level payable on debt of the insured person at that time is determined and compared with the inception interest rate level. If the determined interest rate level is higher than the inception interest rate level then a debt protector amount to be paid to the insured person is calculated and on the occurrence of an insured event the debt protector amount is paid to the insured person or their nominated beneficiary.



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

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ABSORBENT CORE WITH HIGH SUPERABSORBENT MATERIAL CONTENT

(51) International :A61F13/475,A61F13/532,A61F13/539 classification

(31) Priority Document :12196343.3

(32) Priority Date :10/12/2012

(33) Name of priority :EPO

country

(86) International :PCT/US2013/074068

Application No :10/12/2013 Filing Date

(87) International :WO 2014/093311 Publication No

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

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

(71)Name of Applicant:

1) THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72) Name of Inventor:

1)ARIZTI Blanca 2)BIANCHI Ernesto

3)EHRNSPERGER Bruno Johannes

4) JACKELS Hans Adolf

5)KREUZER Carsten Heinrich

6)ROSATI Rodrigo

#### (57) Abstract:

An absorbent core (28) and an absorbent article (20) such as diaper comprising the core. The absorbent core comprises a core wrap (16 16) enclosing an absorbent material (60) wherein the absorbent material comprises at least 80% of superabsorbent polymers (SAP) by weight of the absorbent material. The absorbent core has a Relative Wet Caliper Increase (RWCI) after compression of less than 10% as measured by the Wet Caliper And Compression Force (WCACF) Test as described herein and wherein the core wrap (16 16) is at least partially sealed so that substantially no absorbent material leaks out of the core wrap while performing the WCACF

No. of Pages: 51 No. of Claims: 15

(22) Date of filing of Application :24/05/2012

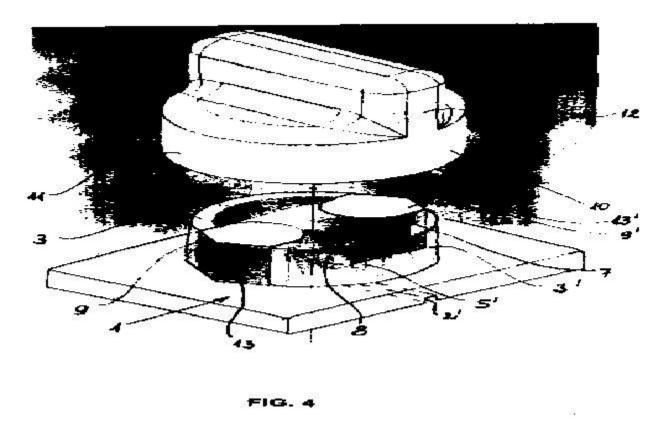
(43) Publication Date: 27/11/2015

# (54) Title of the invention: VALVE STRUCTURE FOR A MICROFLUIDIC CHANNEL

(51) International classification	:F16K 99/00	(71)Name of Applicant:
(31) Priority Document No	:P0900719	1)BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI
(32) Priority Date	:18/11/2009	EGYETEM
(33) Name of priority country	:Hungary	Address of Applicant :MUEGYETEM RKP. 3., H - 1111
(86) International Application No	:PCT/HU2010/000123	BUDAPEST, HUNGARY, Hungary
Filing Date	:17/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/61552	1)SANTHA, HUNOR
(61) Patent of Addition to Application	:NA	2)HARSANYI, GABOR
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a valve structure for a microfluidic channel, where the valve serves the opening and closing of a channel (8) on a second level raised through channel pillars from the plane of the microfluidic channel network at the first level of a base plate (1), and where the channel wall is formed of a resilient material. The valve structure consists of a base plate (1) part, of protruding supporting walls (3, 3) belonging to the base plate (1) and of a resilient part (7) between the supporting walls (3, 3), within which the channel (8) is formed, and it consists furthermore of pressing appliances (9, 9) situated on the two sides of the channel, as well as of displacement appliance (10) ensuring the movement of the pressing appliances in the direction of the mid-line of the channel (8).



No. of Pages: 14 No. of Claims: 12

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ARBORSENT ARTICLE WITH HIGH ABSORENT MATERIAL CONTENT

(51) International

:A61F13/532,A61F13/536,A61F13/537 classification

:EPO

:NA

:NA

(31) Priority Document :12196346.6

(32) Priority Date :10/12/2012

(33) Name of priority

country

(86) International

:PCT/US2013/074084 Application No :10/12/2013

Filing Date

(87) International

:WO 2014/093319 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) THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72) Name of Inventor:

1)ARIZTI Blanca

2)BIANCHI Ernesto

3)EHRNSPERGER Bruno Johannes

4) JACKELS Hans Adolf

5)KREUZER Carsten Heinrich

6)ROSATI Rodrigo

#### (57) Abstract:

An absorbent article (20) for personal hygiene such as a diaper or training pant the absorbent article having a front edge (10) and a back edge (12) a longitudinal axis (80) extending in a longitudinal direction of the article the article having a length L of at least 320 mm as measured along the longitudinal axis from the front edge to the back edge a crotch point (C) defined as the point placed at a distance of two fifth of L from the front edge of the article on the longitudinal axis. The absorbent core comprises a core wrap (16 16) enclosing an absorbent material (60) which comprises at least 80% of superabsorbent polymers (SAP) by weight. The absorbent core further comprises at least one channel (26 26) at least partially oriented in the longitudinal direction of the article and an acquisition distribution system (ADS) between the topsheet and the absorbent core the ADS comprising one two or more layers with the proviso that the ADS does not comprise a layer comprising at least 50% by weight of synthetic fibers and having a basis weight above 150 gsm. The article may have a Relative Wet Caliper Increase (RWCI) value of less than 32.0% and a Wet Compression Force of less than 27.0 N as measured by the Wet Caliper And Compression Force (WCACF) Test described herein.

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

(22) Date of filing of Application :24/05/2012

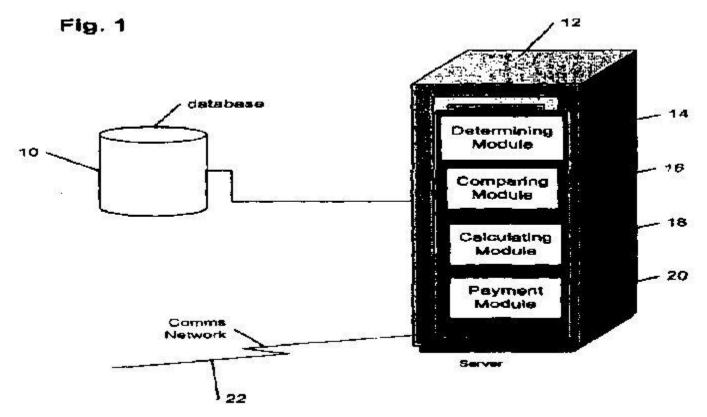
(43) Publication Date: 27/11/2015

# (54) Title of the invention: A SYSTEM AND METHOD OF MANAGING AN INSURANCE SCHEME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:G06Q 40/00 :2009/07507 :26/10/2009 :South Africa :PCT/IB2010/054823 :25/10/2010 :WO 2011/051876 :NA	(71)Name of Applicant:  1)DISCOVERY LIFE LIMITED  Address of Applicant: 25 FREDMAN DRIVE, SANDTON, 2196, SOUTH AFRICA South Africa (72)Name of Inventor:  1)GORE, ADRIAN 2)MAYERS, HERSCHEL PHILLIP 3)RABSON, KENNETH STEVEN
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method of managing an insurance policy includes defining a plurality of mechanisms to protect an insured person from adverse financial outcomes. A selection of at least one of the plurality of mechanism is received from the insured person and stored the selection in a memory. On the occurrence of an insured event, the stored selection is retrieved and a basic insurance amount to be paid to the insured person based on an insurance policy of the insured person is calculated. The method then determines based on the stored selection of mechanisms if the insured person has suffered any adverse financial outcomes since the inception of the policy and if so calculates a further financial protector amount to be paid to the insured person based on the stored selection of mechanisms. Finally, the basic insurance amount and further financial protector amount are paid to the insured person or their nominated beneficiary.



No. of Pages: 24 No. of Claims: 6

(21) Application No.4624/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ADDITIONAL LIGHT STRUCTURE OF PROJECTOR LIGHT ASSEMBLY FOR MOTORCYCLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B62J6/02 :NA :- : :PCT/TH2012/000051 :30/11/2012 :WO 2014/084801 :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR COMPANY LIMITED  Address of Applicant: 1 1 Minami Aoyama 2 chome Minato ku Tokyo 107 8556 Japan (72)Name of Inventor:  1)MATSUZAKI Teppei 2)POOHRINUTTHAPOOM Wasanpus
- 1 01 0	:NA :NA :NA	

### (57) Abstract:

Problem to be solved: to provide a vehicle light assembly in which light emitted by one ordinary power additional light source can provide additional lighting around different sides of multiple projector lenses held by spatially separated projector lens holders. Solution: In the vehicle light assembly each projector lens holder to which a projector lens is mounted includes a body portion having hole means formed therein through which light emitted by a single additional light source can pass and a light diffusion means. The assembly includes a light transmitting inner lens mounted to the projection lens holders which includes first and second lighting portions around each projector lens. Light from the additional light source can (a) travel through the hole means to the light diffusion means which scatters such light toward the first / outer lighting portions; and (b) directly travel to the second / inner lighting portions such that the lighting portions emit additional lighting. Additional lighting can thus be provided around different sides of each projector lens by a single additional light source which need not have high illumination output power.

No. of Pages: 55 No. of Claims: 17

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND SYSTEM FOR TEMPERATURE CONTROLLED TRANSPORT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F25D 29/00 :20096113 :28/10/2009 :Finland :PCT/FI2010/050850 :27/10/2010 :WO 2011/051561 :NA	(71)Name of Applicant:  1)CCS COLD CARGO SOLUTIONS OY Address of Applicant: YLISTONMAENTIE 24, FI - 40500 JYVASKYLA, FINLAND, Finland (72)Name of Inventor: 1)PROSKIN, JUKKA
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for temperature controlled transport. In the method, temperature controlled products (11) are transported. In the method, a passive transport is used, in which the product (11) is packed in an essentially energy tight transport package (12). In addition, in the method a thermal element (13), by means of which the internal temperature of the transport package (12) is maintained as desired without external energy, is included in the transport package (12). Further, in the method the temperature of the transport package (12) is monitored wirelessly essentially continuously. The invention also relates to a system for temperature controlled transport.

No. of Pages: 25 No. of Claims: 18

(21) Application No.4625/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PLATE HEAT EXCHANGER

(51) International classification	:F28F3/08,F28D9/00	(71)Name of Applicant:
(31) Priority Document No	:201210535175.3	1)DANFOSS MICRO CHANNEL HEAT EXCHANGER
(32) Priority Date	:10/12/2012	(JIAXING) CO. LTD.
(33) Name of priority country	:China	Address of Applicant :#1383 Xiejia Road Haiyan Zhejiang
(86) International Application No	:PCT/CN2013/088503	314300 China
Filing Date	:04/12/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/090102	1)PERSSON Lars
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a plate heat exchanger (100). The plate heat exchanger (100) comprises heat exchange plates (10) forming one or more first fluid channels (12) and one or more second fluid channels. Each first fluid channel (12) has a fluid channel upstream portion (12U) and a fluid channel downstream portion (12D) separated from the fluid channel upstream portion (12U) and the fluid channel upstream portion (12U) is fluidly communicated with the fluid channel downstream portion (12D) via a fluid communication device (15). The plate heat exchanger (100) achieves uniform distribution of a refrigerant while being independent of distributors and provides different heat exchange regions in the channels to reinforce the heat transfer. The plate heat exchanger (100) without the distributors reduces difficulties on production and process. As there is no distributor in the plate heat exchanger (100) the refrigerant stream has a lower total pressure drop which brings more space for type selection of the expansion valve.

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

(21) Application No.4626/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: VALVE ASSEMBLY WITH CYLINDER HAVING THROUGH HOLES

:F02B37/18,F02B37/12 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BORGWARNER INC. :61/726174 (32) Priority Date :14/11/2012 Address of Applicant: Patent Department 3850 Hamlin Road (33) Name of priority country Auburn Hills MI 48326 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/068259 (72)Name of Inventor: Filing Date :04/11/2013 1)MAWER James (87) International Publication No :WO 2014/078109 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A turbocharger (10) that uses exhaust gas flow to drive a turbine wheel (12) having a barrel or piston type wastegate valve assembly (26 126) with a wastegate valve (28 128) that controls exhaust gas flow bypassing the turbine wheel (12) to control turbine work. A cylinder (30 130) which may have a through hole (32 132) is moveable in a tubular chamber (22) and functionally operates with a wastegate port (24) in the turbine housing (20) for controlling exhaust gas flow. An actuator (36 136) operably controls movement of the cylinder (30 130).

No. of Pages: 22 No. of Claims: 11

(21) Application No.4505/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPRESSOSR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F04B 27/18 :10 2009 056 518.3 :02/12/2009 :Germany :PCT/EP2010/007097 :23/11/2010 :WO 2011/066914 :NA :NA	(71)Name of Applicant:  1)GEA BOCK GMBH  Address of Applicant:BENZSTRASSE 7, 72636 FRICKENHAUSEN, GERMANY Germany (72)Name of Inventor:  1)ETTER, WOLFGANG 2)GOERLICH, ARNO
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a compressor (10, 200) for compressing refrigerant, comprising a drive mechanism arranged in a drive mechanism chamber (14) bounded at least partially by a drive mechanism housing (12), a suction gas volume (4 6) and a high pressure volume (48), wherein the high pressure volume (48) is in fluid communication via a second fluid connection (74) with the driving mechanism chamber (14), wherein the compressor further comprises a first fluid connection (54, 254) that can be brought into fluid communication or is in fluid communication with an oil-conducting volume (205) of a refrigeration system or of the compressor (10, 200), and wherein an oil separator (56) is arranged in the first fluid connection (54, 254).

No. of Pages: 26 No. of Claims: 12

(21) Application No.4505/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD OF CONTROLLING THE DRAFTING OF A FIBRE WEB IN A CARD APPARATUS

(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 Filing Date  14/02/2013 SItaly SPCT/IB2014/058833 SillOglio Brescia Italy (72)Name of Inventor: 1)MASCHERETTI Mario 2)GIAVARINI Matteo  1NA SNA SNA SNA SNA SNA SNA SNA SNA SNA S	 036 Palazzolo
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## (57) Abstract:

A method of controlling the drafting (S) of a fibre web in a card apparatus provides for a drafting change step  $(t \ t)$  at minimum speed (V) and a subsequent constant drafting step  $(t \ t)$  and a speed increase (V).

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MGLUR4 ALLOSTERIC POTENTIATORS, COMPOSITIONS, AND METHODS OF TREATING NEUROLOGICAL DYSFUNCTION

(51) International classification	:A01N 41/10	(71)Name of Applicant:
(31) Priority Document No	:61/254,062	1)VANDERBILT UNIVERSITY
(32) Priority Date	:22/10/2009	Address of Applicant :305 KIRKLAND HALL NASHVILLE,
(33) Name of priority country	:U.S.A.	TENNESSEE 37240 U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/053837	(72)Name of Inventor:
Filing Date	:22/10/2010	1)CONN P. JEFFREY
(87) International Publication No	:WO 2011/050316	2)LINDSLEY CRAIG W.
(61) Patent of Addition to Application	:NA	3)HOPKINS COREY R.
Number		4)NISWENDER COLLEEN M.
Filing Date	:NA	5)GOGLIOTTI ROCCO D.
(62) Divisional to Application Number	:NA	6)SALOVICH JAMES M.
Filing Date	:NA	

# (57) Abstract:

Pyrrole compounds useful as allosteric potentiators/positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4); synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of using the compounds, for example, in treating neurological and psychiatric disorders or other disease state associated with glutamate dysfunction.

No. of Pages: 136 No. of Claims: 98

(21) Application No.4506/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DIAGNOSTIC MARKERS FOR TREATING CELL PROLIFERATIVE DISORDERS WITH TELOMERASE INHIBITORS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:61/732263	(71)Name of Applicant: 1)GERON CORPORATION
(32) Priority Date	:30/11/2012	Address of Applicant :149 Commonwealth Drive Menlo Park
(33) Name of priority country	:U.S.A.	CA 94025 U.S.A.
(86) International Application No	:PCT/US2013/072302	(72)Name of Inventor:
Filing Date	:27/11/2013	1)BASSETT Ekaterina
(87) International Publication No	:WO 2014/085632	2)BURINGTON Bart
(61) Patent of Addition to Application	:NA	3)WANG Hui
Number Filing Date	:NA	4)ENG Kevin
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided herein are methods for identifying individuals diagnosed with a cell proliferative disorder that will benefit from treatment with a telomerase inhibitor compound. Also provided herein are methods for treating these individuals with telomerase inhibitor compounds. The methods comprise identifying individuals who will benefit from said treatment based on the average relative length of telomeres in cancer cells from said individuals.

No. of Pages: 79 No. of Claims: 20

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BALLISTIC PROTECTIVE TEXTILE STRUCTURE AND METHOD FOR MAKING IT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F41H5/04 :MI2012A002085 :06/12/2012 :Italy :PCT/IB2013/002657 :28/11/2013 :WO 2014/087212 :NA :NA :NA	(71)Name of Applicant: 1)SAATI S.P.A. Address of Applicant: Via Milano 14 I 22070 Appiano Gentile (CO) Italy (72)Name of Inventor: 1)CANONICO Paolo 2)GARIBOLDI Paolo
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#### (57) Abstract:

A composite ballistics protective textile structure comprises at least a textile element and one or more textile or thermoplastic matrix elements. The first textile element (1) comprises unidirectional yarn fibers or flat strips. The second textile element (2) comprises flat strip elements consisting of unidirectional yarns or thermoplastic films. Additional elements (3) comprise thermoplastic matrix arrangements based on rubber elastomeric polymers or being laminated with thermoplastic films for stabilizing the structure and reducing bullet trauma impacts.

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

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR PRINTING MULTI CHARACTERISTIC INTAGLIO FEATURES

(51) International classification: C09D11/02,B41M1/10,B41M3/14 (71)Name of Applicant:

:20/12/2013

:WO 2014/124718

(31) Priority Document No :13155146.7 (32) Priority Date :14/02/2013

(33) Name of priority country :EPO

:PCT/EP2013/077566

(86) International Application No

Filing Date

(87) International Publication

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

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

1)SICPA HOLDING SA

Address of Applicant : Avenue de Florissant 41 CH 1008 Prilly

Switzerland

(72) Name of Inventor:

1)LEFEBVRE Olivier

2)MAGNIN Patrick

## (57) Abstract:

The present invention is related to an intaglio ink composition comprising a first component A) and a second component B) wherein the first component A) is selected from the group consisting of i) about 0.1% to about 40 % by weight of a plurality of first particles having a modal particle diameter between about 1 nm and about 3 µm said plurality of first particles may be a material having machine readable properties preferably selected from the group consisting of magnetic properties UV or IR absorbing properties optically variable properties light polarization properties electro conductive properties luminescent properties and combinations thereof ii) about 1% to about 20% by weight of one or more dyes said one or more dyes may be a material having machine readable properties preferably selected from the group consisting of IR absorbing properties luminescent properties and combinations thereof and iii) combinations thereof and the second component B) is about 0.1% to about 40% by weight of a plurality of second particles having a modal particle diameter between about 6 µm and about 25 µm said plurality of second particles may be a material having machine readable properties preferably selected from the group consisting of magnetic properties UV or IR absorbing properties optically variable properties light polarization properties electro conductive properties and luminescent properties and combinations thereof wherein the first component A) and the second component B) exhibit at least one different characteristic said characteristic being selected from the group consisting of the CIE (1976) color index parameters machine readable properties and a combination thereof the % by weight being based on the total weight of the intaglio ink composition.

No. of Pages: 50 No. of Claims: 15

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

:NA

## (54) Title of the invention: SUBSTITUTED INDOL 5-OL DERIVATIVES AND THEIR THERAPEUTICAL APPLICATIONS

:A61K31/506,A61P35/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)NANT HOLDINGS IP LLC :61/722537 (32) Priority Date :05/11/2012 Address of Applicant: 9920 Jefferson Boulevard Culver City (33) Name of priority country :U.S.A. California 90232 U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/068515 Filing Date :05/11/2013 1)TAO Chunlin (87) International Publication No :WO 2014/071378 2)WANG Qinwei (61) Patent of Addition to Application 3)HO David :NA 4)POLAT Tulay

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

5)NALLAN Laxman 6) SOON SHIONG Patrick

### (57) Abstract:

The present invention relates generally to the use of compounds to treat a variety of disorders diseases and pathologic conditions and more specifically to the use of substituted indol 5 ol derivatives to modulate protein kinases and for treating protein kinase mediated diseases.

No. of Pages: 151 No. of Claims: 15

(21) Application No.4636/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND DEVICE FOR ASSEMBLING AND FILLING A HYDRAULIC COUPLER MODULE

(51) International classification :F02M61/16,F02M63/00 (71)Name of Applicant : (31) Priority Document No :10 2012 222 478.5 1)ROBERT BOSCH GMBH (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :06/12/2012 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2013/074397 (72) Name of Inventor: Filing Date :21/11/2013 1)MUEHLICH Christian (87) International Publication No :WO 2014/086589 2)LEMKE Gerhard (61) Patent of Addition to Application 3)BELKE Christian :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a method for assembling and filling a hydraulic coupler module (1) in which method to form a defined coupler volume (2) a coupler piston (3) and a valve piston (4) are inserted into a hollow cylindrical coupler body (5) and the coupler volume (2) formed between the two pistons (3 4) is filled with a coupler medium. According to the invention at least the valve piston (4) and the coupler body (5) are pre assembled and inserted valve piston (4) first into a receiving bore (6) of a container (7) of a device for assembling and filling a hydraulic coupler module (1). The receiving bore (6) is subsequently flooded with the coupler medium via a feed bore (8) arranged in the base region of the container (7) wherein air that is present in the receiving bore (6) and/or in the coupler body (5) is displaced upward and the coupler body (5) is filled completely with the coupler medium. The invention also relates to a device for carrying out the method according to the invention.

No. of Pages: 20 No. of Claims: 14

(22) Date of filing of Application :29/05/2015 (43)

(43) Publication Date: 27/11/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR DYNAMICALLY MONITORING ANALYZING MANAGING AND ALERTING PACKET DATA TRAFFIC AND 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</li> </ul>	:31/10/2013 :WO 2014/071084 :NA	(71)Name of Applicant: 1)OMALLEY Matt Address of Applicant:17326 Gilmore Street Lake Balboa California 91406 U.S.A. (72)Name of Inventor: 1)WARE Lance
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A computer-implemented system and method is describe, having a usage and performance analyzer system (UPAS) for receiving a data packet or information from a computer or mobile device via a usage and per formance analyzer module (UP AM) for evaluating and implementing policies via a dynamic offender polices and enforcement (DOPE) module. Further, wherein the DOPE module comprises a past actions, status, and timers (PAST) module for classifying specific users. A targeted offers noti fications and enforcement (TONE) module is for interacting with specific users and devices. A success of offers notifications and enforcement (SORT) module is for tracking the relative success of those interactions. An ondevice applet may be implemented for similar usage monitoring and QoS. A potential offender profile score (POPS) module persistently searches and in terrogates data sources, networks, Internet, mobile operators and/or the like, for missing data or details relative to a profile, for further data analysis and data verifications.

No. of Pages: 120 No. of Claims: 150

(21) Application No.4638/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A CABLE CONSTRUCTION

(51) International classification	:H01B3/44	(71)Name of Applicant:
(31) Priority Document No	:12008047.8	1)BOREALIS AG
(32) Priority Date	:30/11/2012	Address of Applicant :IZD Tower Wagramerstrae 17 19 A
(33) Name of priority country	:EPO	1220 Wien Austria
(86) International Application No	:PCT/EP2013/003604	(72)Name of Inventor:
Filing Date	:28/11/2013	1)HJERTBERG Thomas
(87) International Publication No	:WO 2014/082750	2)ANKER Martin
(61) Patent of Addition to Application	:NA	3)SULTAN Berntke
Number	:NA	4)ALNEGREN Patrik
Filing Date	.IVA	5)DAHL‰N Kristian
(62) Divisional to Application Number	:NA	6)NYLANDER Perry
Filing Date	:NA	7)FAGRELL Ola

## (57) Abstract:

The present invention relates to a cable construction comprising one or more layer elements which layer elements comprise a first composition wherein the first composition comprises: 20 to 80 weight percent of a vinyl chloride resin and 1 to 40 weight percent of an epoxidized ester of fatty acids and a monomeric polyol which epoxidized ester is a compound of formula (I) wherein the compound of formula (I) has an amount of double bonds corresponding to an Iodine value of 2 or less a power cable process for producing a cable construction and a crosslinked cable construction obtainable by the process.

No. of Pages: 32 No. of Claims: 13

(21) Application No.4474/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: GEARBOX OUTPUT SEAL

(51) International classification	:F04D29/08	(71)Name of Applicant:
(31) Priority Document No	:13/748717	1)SUNDYNE LLC
(32) Priority Date	:24/01/2013	Address of Applicant: 14845 W. 64th Avenue Arvada
(33) Name of priority country	:U.S.A.	Colorado 80007 U.S.A.
(86) International Application No	:PCT/US2014/012629	(72)Name of Inventor:
Filing Date	:23/01/2014	1)PETERSON Steven
(87) International Publication No	:WO 2014/116762	2)RICKERT Ronald P.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A seal assembly for use in a gearbox has a rotating ring to be secured to a shaft and having a contact face. The contact face abuts a stationary seal. The stationary seal has a retainer with a channel extending to a bottom. A floating seal portion is positioned within the retainer with a spring positioned inward of an inner end of the floating seal portion and biasing the floating seal portion outwardly. There is an inner bore of the retainer which is spaced from an outer periphery of the floating seal portion. One of the inner bore and the outer periphery presides with the plurality of radially located pins. The other of the inner bore and the outer periphery is formed with the plurality of recesses. The pins are received in the recesses to prevent rotation of the floating seal portion within the retainer.

No. of Pages: 18 No. of Claims: 31

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: TANK FOR A CRYOGENIC FLUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:F17C 13/00 :0958786 :09/12/2009 :France :PCT/FR2010/052610 :06/12/2010 :WO 2011/070276 :NA	(71)Name of Applicant:  1)GAZTRANSPORT ET TECHNIGAZ  Address of Applicant: 1 ROUTE DE VERSAILLES F-78470  SAINT REMY LES CHEVREUSE, GRANCE France (72)Name of Inventor:  1)ADNAN EZZARHOUNI
<ul><li>(86) International Application No Filing Date</li><li>(87) International Publication No</li></ul>	:PCT/FR2010/052610 :06/12/2010 :WO 2011/070276	(72)Name of Inventor:
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Tank for storing cryogenic fluid, comprising a concrete bearing structure, at least one fluidtight barrier and at least one thermally insulating barrier, in which tank the thermally insulating barrier comprises a plurality of panels fixed to the said bearing structure, in which the said panels comprise at least two first adjacent panels fixed to the bearing structure by a common fixing system, characterized in that the said fixing system comprises a plate (2), a first stud (3) extending from a first side of the plate and at least one second stud (4) and one third stud (5) extending from a second side of the plate, the first stud being anchored in the bearing structure, the second stud and the third stud each being anchored in a respective one of the said first panels.

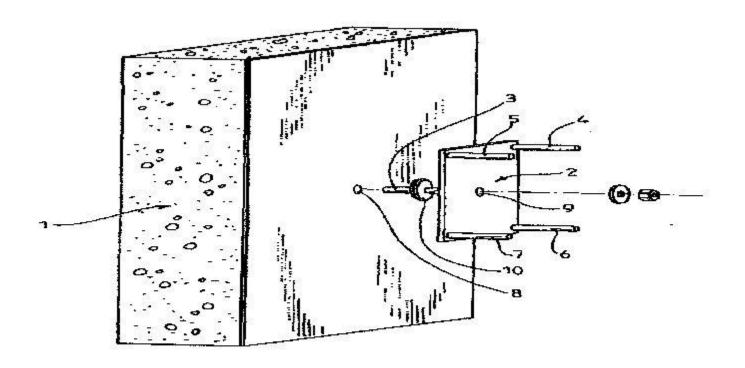


FIG. 2

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

(22) Date of filing of Application :25/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SUPPORT STRUCTURE FOR VEHICLE MOUNTED ELECTRIC COMPONENT

(51) International classification: B62J11/00,B60R16/02,B62J15/00 (71) Name of Applicant:

:26/11/2013

(31) Priority Document No :2012258312 (32) Priority Date :27/11/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/081724

Filing Date

(87) International Publication :WO 2014/084195

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

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

:NA

(57) Abstract:

1)HONDA MOTOR CO. LTD. Address of Applicant: 1 1 Minami Aoyama 2 chome Minato ku Tokyo 1078556 Japan (72) Name of Inventor: 1)ONO Kazuhiko

2)INOSE Koji 3)YAMASHITA Akihiko 4)TAGUCHI Kiyotaka 5)FUJIWARA Masaki

6)TAKEDA Yuichi

A support structure for an electric component (74) mounted in a vehicle (10) includes a cover member (64) of the vehicle and the cover member is provided with a housing portion (75) which houses the electric component. The housing portion has an opening (80) which is open upward the opening is covered with a lid member (76) so as to be closed and the electric component is supported by the lid member disposed in a chamber (100) formed by the housing portion and the lid member and provided apart upward from the bottom (75b) of the housing portion.

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

(21) Application No.4645/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ELECTRICITY STORAGE BATTERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M8/18 :NA :NA :NA :NA :PCT/JP2012/083453 :25/12/2012 :WO 2014/102898 :NA :NA :NA	(71)Name of Applicant:  1)NISSIN ELECTRIC CO. LTD.  Address of Applicant: 47 Umezu Takase cho Ukyo ku Kyoto shi Kyoto 6158686 Japan (72)Name of Inventor:  1)HUANG Lan 2)DEGUCHI Hiroshige 3)YAMANOUCHI Shosuke
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#### (57) Abstract:

This electricity storage battery is provided with a positive electrode electrolyte solution (22) containing the following: a manganese redox material and an amine that can be represented by general formula (1). In general formula (1) n represents an integer from 0 to 4; R R R and R each independently represent either a hydrogen atom a methyl group or an ethyl group; and if n is 0 at least one of R R R and R represents a methyl group or an ethyl group.

No. of Pages: 27 No. of Claims: 7

(21) Application No.4646/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HYDRAULIC SHOVEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/02/2013 :WO 2014/125623 :NA :NA :NA	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor: 1)SAWADA Masahiro
Filing Date	:NA	

#### (57) Abstract:

A hydraulic shovel is provided with an engine a selective reduction catalyst device an outer cover a first column member a reduction agent tank and a reduction agent pump. The selective reduction catalyst device treats exhaust gas from an engine. The first column member supports the outer cover. The reduction agent tank contains a reduction agent. The reduction agent pump supplies the reduction agent from the reduction agent tank to the selective reduction catalyst device. The reduction agent pump is mounted to the first column member.

No. of Pages: 38 No. of Claims: 11

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DEVICE FOR PREPARING A BEVERAGE FROM A CAPSULE WITH A CLOSURE SYSTEM INVOLVING TWO CLOSURE STAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A47J31/36,A47J31/22 :12194801.2 :29/11/2012 :EPO :PCT/EP2013/074527 :25/11/2013 :WO 2014/082940 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A. Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)KAESER Stefan 2)SCHENK Rudolf
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2014/082940 :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Beverage device (1) comprising an upper sub assembly (2) comprising a brewing interface head (4) and a lower sub assembly (3) comprising a capsule receiver (5) for being engaged by the brewing interface head (4) between a capsule handling position and a closure head position wherein the upper sub assembly (2) is hinged on the lower sub assembly (3) to be pivotally movable between said two positions and the brewing interface head (4) comprises a frame (7) and a brewing interface member (8); said interface member (8) being arranged to be movable relative to the frame (7) between a disengaging to capsule position and anengaging to capsule position wherein it further comprises latch means (9) associated to the brewing interface head (4) and the capsule receiver (5) which are arranged for latching the brewing interface head (4) to the receiver (5) in the closure head position. The device can also be designed for centrifugal beverage extraction with an improved control of the alignment of the rotational parts of the brewing head with the capsule receiver.

No. of Pages: 38 No. of Claims: 16

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS OF DIFFERENTIATING STEM CELLS BY MODULATING MIR 124

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:26/11/2013 :WO 2014/085493 :NA :NA	(71)Name of Applicant:  1)ACCELERATED BIOSCIENCES CORP.  Address of Applicant:1769 1st Street Manhattan Beach California 90266 U.S.A. (72)Name of Inventor:  1)LEE Jau Nan 2)LEE Tony Tung Yin 3)LEE Yuta
Filing Date	:NA	

#### (57) Abstract:

Provided herein are methods of differentiating tiophoblast stem cells via modulating miR 124 and the differentiated cells thereby. Also provided herein are methods for the treatment of diseases using the differentiated cells. The differentiated cells are pancreatic progenitor cells that express insulin betatrophin and C peptide.

No. of Pages: 125 No. of Claims: 162

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AUTOMATIC CLEANING VALIDATION SWABBING DEVICES METHODS AND 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</li> </ul>	:05/12/2013 :WO 2014/089320 :NA :NA	(71)Name of Applicant:  1)ENCOVA CONSULTING INC.  Address of Applicant: Richard A. MINEO 105 Salford Court Cary North Carolina 27513 U.S.A. (72)Name of Inventor:  1)MINEO Richard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In some variations this invention provides an electro mechanical device for automated cleaning validation of a selected surface. The device moves a wetted swab over a cleaned surface to recover any remaining soil left over from the cleaning process. The device accepts a standard sampling swab that has been wetted with the required liquid solution. The device maintains constant swab pressure to ensure maximum recovery of soil or contaminants. The device includes an electronic controller for adjusting the movement of parts to effectively validate cleaning of the selected surface. The surface to be validated may be a substantially flat surface or rounded. The surface may be contained within a vessel reactor a pipe tank or other equipment. The device may be disposed on an extension arm to allow the device to be positioned appropriately without the need for a person to be close to the device for validation.

No. of Pages: 23 No. of Claims: 20

(21) Application No.4634/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: VERTICAL AXIS TURBINE

(51) International classification	:F03D7/06,F03D3/06	(71)Name of Applicant:
(31) Priority Document No	:1221260.1	1)SUPERVAWT LIMITED
(32) Priority Date	:26/11/2012	Address of Applicant :1000 Quemerford Calne Wiltshire
(33) Name of priority country	:U.K.	SN11 8UA U.K.
(86) International Application No	:PCT/EP2013/074704	(72)Name of Inventor:
Filing Date	:26/11/2013	1)WHINNEY James Frederick Carnac
(87) International Publication No	:WO 2014/080030	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A vertical axis wind turbine (1) comprising a turbine rotor having an axis of rotation and at least one blade (2) spaced from and mounted for rotation about the rotation axis of the turbine. The blade has at least one longitudinal surface substantially parallel to the rotation axis and for engagement in use with wind incident on the turbine rotor. The blade is a two part blade with a first leading blade portion (7) pivotably connected to a second trailing blade portion (8). The turbine includes pitch control means and camber control means for controlling the pitch and camber of the blade. The pitch control means is a pivot on the first leading blade portion with the pitch pivot (24) being guidable along a pitch path defined by a first physical pathway component (10) and the camber control means is a camber pivot (27) on the second trailing blade portion the camber pivot being guidable around a camber path defined by a second physical pathway component (11).

No. of Pages: 30 No. of Claims: 27

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: NUCLEOTIDE SEQUENCE ENCODING WUSCHEL RELATED HOMEOBOX4 (WOX4) PROTEIN FROM CORCHORUS OLITORIUS AND CORCHORUS CAPSULARIS AND METHODS OF USE 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</li> <li>Filing Date</li> </ul>	:61/907617 :22/11/2013 :U.S.A. :PCT/US2014/066599 :20/11/2014 :WO 2015/077447 :NA	(71)Name of Applicant:  1)BANGLADESH JUTE RESEARCH INSTITUE Address of Applicant: Manik Mia Avenue Dhaka 1207 Bangladesh (72)Name of Inventor: 1)ALAM Maqsudul
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses isolated polynucleotides encoding WUSCHEL related homeobox4 proteins from two species of jute plants namely the and and corresponding polypeptides derived therefrom. The disclosed polynucleotide sequences encode WUSCHEL related homeobox4 polypeptides (WOX4) which possess catalytic activities in enhancing fiber production in jute. The present invention also relates to the plants having a modulated expression of a nucleic acid encoding a WOX4 polypeptide which have enhanced fiber yield relative to corresponding wild type plants or other control plants. Vectors expression constructs and host cells comprising and/or consisting of the nucleotide sequences of the protein are also provided. Also disclosed are methods for producing the proteins and methods for modifying the proteins in order to improve their desirable characteristics. The proteins of the invention can be used in a variety of ways including inducing initiating improving or enhancing plant growth plant height fiber and seed yield.

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

(21) Application No.4661/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LOCKING APPARATUS AND METHOD

(51) International classification	:B64C1/14,E05C9/08,E05B83/02	(71)Name of Applicant :
(31) Priority Document No	:1221455.7	1)BAE SYSTEMS PLC
(32) Priority Date	:29/11/2012	Address of Applicant :6 Carlton Gardens London SW1Y 5AD
(33) Name of priority country	:U.K.	U.K.
(86) International Application No Filing Date	:PCT/GB2013/053137 :27/11/2013	(72)Name of Inventor : 1)BROWN Robert 2)ORR Philip
(87) International Publication No	:WO 2014/083334	
<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:

An aircraft fuselage (4) comprising: an aircraft door or access panel (2) comprising a receiving element (14); and locking apparatus for securing the aircraft door/panel (2) in an opening of aircraft fuselage (4) the locking apparatus comprising: a shaft (8); a mounting member (10) for mounting the shaft (8) to the fuselage (4); securing means (12) fixedly mounted to the shaft(8) and arranged such that rotation of the shaft (8) about its longitudinal axis moves the securing means (12) from being not coupled to a receiving element (14) to being coupled to a receiving element (14) or vice versa; a locking member (52) for coupling to the shaft (8) such that rotation of the shaft(8) causes movement of the locking member (52); and fixing means for fixedly attaching the locking member (52) to the aircraft fuselage (4) thereby preventing rotation of the shaft (8).

No. of Pages: 39 No. of Claims: 15

(21) Application No.4662/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SOLID CERAMIC ELECTROLYTES

(51) International :H01M12/06,C01F7/00,C04B35/447 classification

(31) Priority Document No :13/677654 (32) Priority Date :15/11/2012

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

(86) International :PCT/US2013/070288

Application No :15/11/2013 Filing Date

(87) International Publication :WO 2014/078648

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

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

:NA

(57) Abstract:

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72) Name of Inventor:

1)BROWN Jacqueline Leslie

A solid ceramic electrolyte may include an ion conducting ceramic and at least one grain growth inhibitor. The ion conducting ceramic may be a lithium metal phosphate or a derivative thereof. The grain growth inhibitor may be magnesia titania or both. The solid ceramic electrolyte may have an average grain size of less than about 2 microns. The grain growth inhibitor may be between about 0.5 mol.% to about 10 mol.% of the solid ceramic electrolyte.

No. of Pages: 19 No. of Claims: 21

(21) Application No.4663/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: FOLLICLE STIMULATING HORMONE (FSH)/LYTIC DOMAIN FUSION CONSTRUCTS AND METHODS OF MAKING AND USING SAME

(51) International :C07K19/00,C07K14/59,A61K38/16

classification

(31) Priority Document No :61/726935 :15/11/2012 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/070093 Application No

:14/11/2013 Filing Date

(87) International Publication: WO 2014/078533

(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)ESPERANCE PHARMACEUTICALS INC.

Address of Applicant :340 E. Parker Blvd. Baton Rouge LA

70803 U.S.A. 2)NA

(72)Name of Inventor:

1)LEUSCHNER Carola

2)ALILA Hector 3)HANSEL William

(57) Abstract:

The invention relates to fusion constructs methods of using fusion constructs and methods of treating undesirable or aberrant cell proliferation or hyperproliferative disorders such as tumors cancers neoplasia and malignancies.

No. of Pages: 117 No. of Claims: 79

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MOTOR VEHICLE HAVING A REAR ENGINE AND COMPRISING AN IMPROVED FRONT COMPARTMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:07/11/2013 :WO 2014/075986 :NA :NA :NA	(71)Name of Applicant:  1)RENAULT S.A.S.  Address of Applicant:13 15 quai Le Gallo F 92100 Boulogne billancourt France (72)Name of Inventor:  1)OLLIVER Mathieu
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a motor vehicle (10) that comprises a rear compartment (14) containing a power train (16) of the motor vehicle and a front compartment (18) including: a first area (60) which is located on the right for a vehicle driven on the right or located on the left for a vehicle driven on the left and which receives at least one steering column (20) a brake servo (24) and main rigid brake lines (44); and a second area (62) which is located on one side of the vehicle opposite the first area and which receives at least one battery (22) characterized in that the front compartment (18) includes a third area (64) which is located between the first and second areas and which receives at least one hydraulic brake unit (26) and secondary rigid brake lines (46).

No. of Pages: 14 No. of Claims: 11

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ORAL CARE IMPLEMENT HAVING MULTI-COMPONENT HANDLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A46B 5/02 :NA :NA :NA :PCT/US2009/068642 :18/12/2009 :WO 2011/075133 :NA :NA :NA	(71)Name of Applicant:  1)COLGATE-PALMOLIVE COMPANY Address of Applicant:300 PARK AVENUE, NEW YORK, NY 10022, U.S.A. U.S.A. (72)Name of Inventor: 1)MOSKOVICH ROBERT 2)JIMENEZ EDUARDO 3)ROONEY MICHAEL 4)BOHNER MARCO
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#### (57) Abstract:

An oral care implement having a multi-component handle, and method of manufacturing the same. The invention can be an oral care implement having a handle which comprises at least four components constructed of different materials. The invention may also be an oral care implement having a handle comprising a core structure constructed of a first rigid material and an elongated handle body constructed of a second rigid material, the core structure disposed within a through slot of the elongated handle body; and a grip cover constructed of a resilient material that covers a front surface, a rear surface and a proximal end surface of the elongated handle body. The grip cover may be used to conceal through-holes in the elongated handle body that result from supporting the core structure during the injection molding of the elongated handle body about the core structure.

No. of Pages: 44 No. of Claims: 40

(21) Application No.4465/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015

:NA

:NA

(43) Publication Date: 27/11/2015

# (54) Title of the invention : HUMANIZED MONOCLONAL ANTIBODIES AGAINST ACTIVATED PROTEIN C AND USES THEREOF

(51) International (71)Name of Applicant: :A61K39/395,C12N15/63,C12P21/06 classification 1)BAYER HEALTHCARE LLC (31) Priority Document No :61/731368 Address of Applicant: 100 Bayer Boulevard Whippany NJ 07981 0915 U.S.A. (32) Priority Date :29/11/2012 (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)ZHAO Xiao yan (86) International 2)WANG Zhuozhi :PCT/US2013/072137 Application No 3)KIM Ji Yun :27/11/2013 Filing Date 4)ZHU Ying (87) International 5)TEBBE Jan :WO 2014/085527 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

## (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

Provided are humanized antibodies that selectively bind to and inhibit activated protein C without binding to or inhibiting unactivated protein C. Methods of treatment employing these antibodies are described herein.

No. of Pages: 74 No. of Claims: 40

(21) Application No.4655/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: IMMUNE TOLERANCE INDUCER

:2012243967

(51) International :A61K31/7032,A61K9/127,A61K39/395

classification (31) Priority Document

(31) Priority Document

(32) Priority Date :05/11/2012

(33) Name of priority :Japan

country (86) International

Application No :PCT/JP2013/079865

Filing Date :05/11/2013

(87) International Publication No :WO 2014/069655

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

Filing Date
(62) Divisional to
Application Number
Filing Date

NA
:NA

(71)Name of Applicant:

1)REGIMMUNE CORPORATION

Address of Applicant :14 9 Nihonbashi kodenmacho Chuo ku

Tokyo 1030001 Japan

2)TOKYO WOMENS MEDICAL UNIVERSITY

(72)Name of Inventor: 1)HIRAI Toshihito 2)OMOTO Kazuya 3)TANABE Kazunari

4)KAWAGUCHI Emi 5)ISHII Yasuyuki

6)MORITA Haruhiko

## (57) Abstract:

The purpose of the present invention is to create an immune tolerance inducer used in therapy in which donor hematopoietic cells are transplanted into a recipient in order to induce immune tolerance in the recipient with respect to donor cells tissue or organs. By using an alpha galactosylceramide containing liposome in combination with a costimulatory pathway blocking substance hematopoietic chimerism can be induced in the recipient by the transplantation of donor hematopoietic cells making it possible to induce immune tolerance in the recipient with respect to donor cells tissue or organs.

No. of Pages: 50 No. of Claims: 17

(21) Application No.4656/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: CABLE BREAKAGE DIAGNOSIS IN A CRANE

(51) International :B66C13/46,B66C23/90,G01M5/00

classification (31) Priority Document No :10 2012 221 909.9

(32) Priority Date :29/11/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/071972

No

:21/10/2013 Filing Date

(87) International Publication

:WO 2014/082792

(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)HIRSCHMANN AUTOMATION AND CONTROL

**GMBH** 

Address of Applicant :Stuttgarter Strae 45 51 72654

Neckartenzlingen Germany (72) Name of Inventor:

1)PETRAK Leo

(57) Abstract:

The invention relates to a crane (1) comprising a base part (2) having a boom (4) which can be pivoted and telescoped and having at least one further boom element (5 6) wherein a longitudinal angle transmitter (10) is provided which has at least one cable (12) by means of which the respective length of the telescopable boom (4) is detected characterised in that a force sensor (13) assigned to the cable (12) is provided by means of which force sensor the force acting on the cable (12) in the axial alignment thereof is detected. AA Bus system e.g. CAN LWG Longitudinal angle transmitter

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

(21) Application No.4657/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) P

(43) Publication Date: 27/11/2015

# (54) Title of the invention : CORDIERITE ALUMINUM MAGNESIUM TITANATE COMPOSITIONS AND CERAMIC ARTICLES COMPRISING SAME

(51) International :C04B35/195,C04B35/478,C04B38/00

classification :C04B33/195,C04B33/4/8,C04B38/00

(31) Priority Document No :13/690096 (32) Priority Date :30/11/2012

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

country (86) International

Application No :PCT/US2013/071665

Filing Date :25/11/2013

(87) International Publication No :WO 2014/085320

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor:

1)DIVENS DUTCHER Adriane Marie

2)TEPESCH Patrick David 3)VILENO Elizabeth Marie

## (57) Abstract:

Disclosed are ceramic bodies comprised of composite cordierite aluminum magnesium titanate ceramic compositions and methods for the manufacture of same.

No. of Pages: 56 No. of Claims: 29

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: THERMAL CONTROL OF THE BEAD PORTION OF A GLASS RIBBON

(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date Since	Number Filing Date (62) Divisional to Application Number	:22/11/2013 :WO 2014/082000 :NA :NA :NA	1 '
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#### (57) Abstract:

An apparatus for making a laminate glass ribbon the glass ribbon having: a center laminate region a first edge a second edge and first second third and fourth beads portions as defined herein the apparatus includes: a bead thermal conditioning region including: a fluid source for selectively applying a fluid to one or more of the first second third and fourth bead portions. Also disclosed is a method for bead thermal conditioning in the disclosed laminate fusion apparatus.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention : MANUFACTURING DEVICE FOR ABSORBER OF ABSORBENT ARTICLE AND MANUFACTURING METHOD

(51) International :A61F13/15,A61F13/472,A61F13/49

classification .Adii 13/13/Adii 13/14/2/Adii 13/

(31) Priority Document No :2012256419 (32) Priority Date :22/11/2012 (33) Name of priority

country :Japan

(86) International

Application No :PCT/JP2013/080642

Filing Date :13/11/2013

(87) International Publication No :WO 2014/080813

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

(71)Name of Applicant:

#### 1)UNICHARM CORPORATION

Address of Applicant :182 Kinseichoshimobun Shikokuchuo

shi Ehime 7990111 Japan (72)Name of Inventor:
1)ISHIKAWA Masahiko

## (57) Abstract:

Filing Date

A device for manufacturing an absorber (1) having a first basis weight portion (1L) in which a liquid absorbent material (2) is deposited at a first basis weight and a second basis weight portion (1H) in which the liquid absorbent material (2) is deposited at a basis weight greater than the first basis weight. The present invention has: a suction deposition device (11) for producing a continuous body (1r) of an absorber that is continuous in a prescribed direction by suctioning in air via a plurality of intake holes (21h) in an intake surface (21a) and thereby suctioning in and depositing the liquid absorbent material (2) onto the intake surface (21a); and a cutting device (61) for producing the absorber (1) by cutting the continuous body (1r) of the absorber at boundaries (21BL) of the absorbent material (1) that are set on the continuous body (1r) of the absorber at intervals along the prescribed direction. The intake surface (21a) has a first suctioning region (AL) in which the intake holes (21h) are formed at a first ratio and a second intake region (AH) in which the intake holes (21h) are formed at a second ratio higher than the first ratio. The second absorbent region (AH) includes the boundaries (21BL).

No. of Pages: 56 No. of Claims: 8

(21) Application No.4641/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: LOW MAINTENANCE ALKALINE ELECTROCHEMICAL CELL

(51) International classification: H01M2/04,H01M2/26,H01M2/30 (71) Name of Applicant: (31) Priority Document No :12190882.6 (32) Priority Date :31/10/2012

(33) Name of priority country :EPO

(86) International Application

:PCT/EP2013/072680 :30/10/2013

Filing Date :WO 2014/067982

(87) International Publication

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

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

1)SAFT GROUPE SA

Address of Applicant: 12 rue Sadi Carnot 93170 Bagnolet

France

(72) Name of Inventor: 1)SJ-VALL Rune

2) GREIS Mikael

#### (57) Abstract:

The invention relates to an electrochemical cell of the alkaline electrolyte type comprising an alkaline electrolyte (24) an electrochemical bundle a positive terminal (30) and a negative terminal (28). The electrochemical bundle comprises at least one electrochemical pair constituted by a positive electrode (14) a negative electrode (16) and a separator interposed in between. Respectively the positive and negative electrodes of each of the at least one electrochemical pair are electrically connected to the positive and the negative terminals. The electrochemical cell further comprises a device for electrochemical recombination of oxygen comprising a catalytically active substrate (26) adapted for the oxygen recombination to take place. Said catalytically active substrate is electrically connected to the negative terminal and electrically isolated from the positive terminal and the catalytically active substrate is distinct from the electrochemical bundle and in contact with the alkaline electrolyte.

No. of Pages: 40 No. of Claims: 18

(21) Application No.4642/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND DEVICE FOR MOUNTING OF WIND TURBINE BLADES

(51) International classification	:F03D11/00	(71)Name of Applicant:
(31) Priority Document No	:EP06024336	1)Siemens Aktiengesellschaft
(32) Priority Date	:23/11/2006	Address of Applicant :Wittelsbacherplatz 2, 80333, Munich,
(33) Name of priority country	:EPO	GERMANY Germany
(86) International Application No	:PCT/EP2007/010221	(72)Name of Inventor:
Filing Date	:23/11/2007	1)Lynderup; Henrik Fomsgaard
(87) International Publication No	: NA	2)Moeller; Jesper
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:1952/DELNP/2009	
Filed on	:24/03/2009	

#### (57) Abstract:

A method for mounting a wind turbine blade (3) to a wind turbine hub (1) by use of a crane boom (5) is provided. The orientation of the blade (3) is kept substantially horizontal when the blade (3) is lifted off the ground and mounted to the rotor hub (1). Control wires (13) which connect the blade (3) via the crane boom (5) to a winch arrangement (11) are used for keeping the blade (3) orientation substantially horizontal in addition to at least one bearing wire (15) for bearing the blade weight. FIG. 3

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

(21) Application No.4643/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : (ETHYLENE VINYL ACETAL) COPOLYMERS AND THEIR USE IN LITHOGRAPHIC PRINTING PLATE PRECURSORS

(51) International classification :B41C1/10,G03F7/32,C08L29/14 (71)Name of Applicant: (31) Priority Document No :13150001.9 1)AGFA GRAPHICS NV (32) Priority Date :01/01/2013 Address of Applicant :IP Department 3622 Septestraat 27 B (33) Name of priority country :EPO 2640 Mortsel Belgium (72) Name of Inventor: (86) International Application :PCT/EP2013/075366 1)LOCCUFIER Johan :03/12/2013 Filing Date 2)MORIAME Philippe (87) International Publication :WO 2014/106554 (61) Patent of Addition to **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

A copolymer comprising (i) a plurality of ethylenic moieties A having a structure according to the following formula (I): wherein R and R independently represent hydrogen a halogen or an optionally substituted linear branched or cyclic alk(en)yl group or an optionally substituted aromatic or heteroaromatic and (ii) a plurality of acetal moieties B having a structure according to the following formula (II): wherein L represents a divalent linking group; x = 0 or 1 and R represents an optionally substituted aromatic or heteroaromatic group including at least one hydroxyl group. Use of these polymers in the coating of lithographic printing plat provides a good abrasion resistance while the balance between the ink acceptance arising from the ethylenic moieties and the solubility in an alkaline developer arising form the acetal moieties can be controlled efficiently.

No. of Pages: 58 No. of Claims: 15

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: EFICIENT PRODUCTION OF PEPTIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12P 21/04 :61/259 367	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF  COLORADO, A BODY CORPORATE  Address of Applicant: 1800 GRANT STREET, 8TH FLOOR,  DENVER, CO 80203, UNITED STATES OF AMERICA U.S.A.  2)AMIDE BIO LLC  (72)Name of Inventor:  1)STOWELL, MICHAEL H.B.  2)CARUTHERS, JONATHAN  3)NEMKOV, TRAVIS  4)HIESTER, BRIAN  5)BOUX, LESLIE  6)PLAM, MIKHAIL
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## (57) Abstract:

The present invention relates to processes for the production of peptides, and the peptides produced accordingly. Peptides produced according to the invention may be produced more efficiently than peptides produced according to prior art processes. The production process of the invention may lead to advantages in yield, purity, and/or price. Methods of marketing peptides are also disclosed.

No. of Pages: 53 No. of Claims: 22

(21) Application No.4493/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: FUEL INJECTION APPARATUS AND CONTROL METHOD THEREOF

(51) International :F02D41/22,F02D41/38,F02M57/00

classification :2012260056 (31) Priority Document No :2012260056

(32) Priority Date :28/11/2012 (33) Name of priority country :Japan

(86) International Application :PCT/IB2013/002927

No :25/11/2013

Filing Date .23/11/201

(87) International Publication :WO 2014/083424

(61) Patent of Addition to :NA

Application Number Filing Date :NA

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

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

(72)Name of Inventor: 1)IKEMOTO Masato

(57) Abstract:

A fuel injection apparatus includes: a first obtaining unit that obtains a first index relating to an opening behavior of an injector; a second obtaining unit that obtains at least one of a second index relating to a maximum injection rate of the injector and a third index relating to an injection period; and a calculation unit that determines that injection hole corrosion has occurred in the injector when a first condition relating to the first index is established and at least one of a second condition relating to the second index and a third condition relating to the third index is established.

No. of Pages: 38 No. of Claims: 10

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: POLARIZATION RESISTANT SOLAR CELL WITH OXYGEN RICH INTERFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H01L 31/0216 :12/647,286 :24/10/2009 :U.S.A. :PCT/US2010/002844 :27/10/2010 :WO 2011/056200 :NA :NA :NA	(71)Name of Applicant: 1)CALISOLAR, INC. Address of Applicant:985 ALMANOR AVENUE, SUNNYVALE, CALIFORNIA 94085-2903 UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)PHAN, BILL 2)ZHANG, RENHUA 3)GORMAN, JOHN 4)SIDELKHIER, OMAR 5)RAKOTONIAINA, JEAN, PATRICE 6)BLOSSE, ALAIN, PAUL 7)KAES, MARTIN
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## (57) Abstract:

A polarization resistant solar cell using an oxygen-rich interface layer is provided. The oxygen-rich interface layer may be comprised of SiOxNy, which may have a graded profile that varies between oxygen-rich proximate to the solar cell to nitrogen-rich distal to the solar cell. A silicon oxide passivation layer may be interposed between the solar cell and the SiOxNy graded dielectric layer. The graded SiOxNy dielectric layer may be replaced with a non-graded SiOxNy dielectric layer and a SiN AR coating.

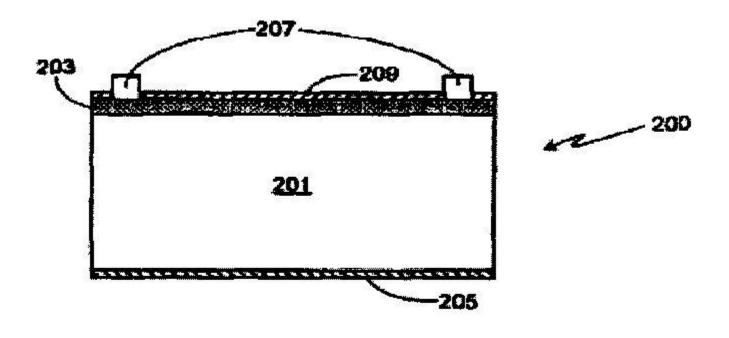


FIG. 2

No. of Pages: 19 No. of Claims: 21

(21) Application No.4494/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 25/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: TRICYCLIC FUSED THIOPHENE DERIVATIVES AS JAK INHIBITORS

(51) International :C07D495/12,A61K31/4365,A61K31/437 classification

(31) Priority Document :61/721308

(32) Priority Date :01/11/2012 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2013/067794 Application No :31/10/2013

Filing Date

(87) International :WO 2014/071031 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)INCYTE CORPORATION

Address of Applicant: Experimental Station Route 141 & Henry Clay Road Building E336/207 Wilmington Delaware 19880 U.S.A.

(72) Name of Inventor:

1)LI Yun Long 2)ZHU Wenyu 3)MEI Song 4)GLENN Joseph

(57) Abstract:

The present invention provides tricyclic fused thiophene derivatives as well as their compositions and methods of use that modulate the activity of Janus kinase (JAK) and are useful in the treatment of diseases related to the activity of JAK including for example inflammatory disorders autoimmune disorders cancer and other diseases.

No. of Pages: 232 No. of Claims: 67

(21) Application No.4650/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PROCESS FOR PRODUCING TANTALUM ALLOYS

:PCT/US2014/018632

:WO 2014/143553

:26/02/2014

(51) International classification :B22F3/23,C22C1/04,C22B34/24 (71)Name of Applicant: (31) Priority Document No :13/844457 (32) Priority Date :15/03/2013

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

(86) International Application

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)ATI PROPERTIES INC.

Address of Applicant: 1600 N.E. Old Salem Road Albany

Oregon 97321 U.S.A. (72)Name of Inventor: 1)FAJARDO Arnel M. 2)FOLTZ IV John W.

(57) Abstract:

Processes for the production of tantalum alloys are disclosed. The processes use aluminothermic reactions to reduce tantalum pentoxide to tantalum metal.

No. of Pages: 51 No. of Claims: 30

(21) Application No.4651/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: MODULATORS OF THE RETINOID RELATED ORPHAN RECEPTOR GAMMA (ROR GAMMA) FOR USE IN THE TREATMENT OF AUTOIMMUNE AND INFLAMMATORY DISEASES

(51) International :C07D403/12,C07D401/14,C07D413/14

classification

(31) Priority Document :PCT/CN2012/001636

:China

:06/12/2012 (32) Priority Date

(33) Name of priority country

(86) International

:PCT/EP2013/075594 Application No :05/12/2013

Filing Date

(87) International

Publication No

:WO 2014/086894

(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)GLAXO GROUP LIMITED

Address of Applicant :980 Great West Road Brentford

Middlesex TW8 9GS U.K.

(72) Name of Inventor: 1)HAN Fangbin

2)LEI Hui

3)LIN Xichen 4)MENG Qinghua

5)WANG Yonghui

## (57) Abstract:

The present invention relates to novel retinoid related orphan receptor gamma (ROR) modulators and their use in the treatment of diseases mediated by ROR.

No. of Pages: 132 No. of Claims: 21

(21) Application No.4652/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR CHECKING A SCREWING STATE OF A TUBULAR THREADED 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 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>	:E21B19/16 :1262191 :18/12/2012 :France :PCT/FR2013/053103 :16/12/2013 :WO 2014/096663 :NA :NA :NA	(71)Name of Applicant:  1)VALLOUREC OIL AND GAS FRANCE Address of Applicant:54 rue Anatole France F 59620 Aulnoye Aymeries France (72)Name of Inventor: 1)BREZIAT Nicolas 2)COLIN Sbastien 3)BRODIE Alastair
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#### (57) Abstract:

This method applies to a threaded seal (14) comprising a male threaded tubular element (18) and a female threaded tubular element (16). In this method during the screwing of the mail threaded element (18) into the female threaded element (16) a time variation of a dimensional characteristic of at least one of the elements (16 18) is measured in a predefined direction. Next the time variation of the characteristic is analyzed to determine a screwing state of the threaded seal (14).

No. of Pages: 25 No. of Claims: 15

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CONVERTER WITH POWER FACTOR CORRECTION

(86) International Application No :PC Filing Date :22/		Germany (72)Name of Inventor: 1)CHRISTIAN AUGESKY
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  NA  SNA  SNA  SNA  SNA  SNA  SNA  SNA	A A	

#### (57) Abstract:

The invention relates to a converter for converting an input-side alternating current (UN) into an output-side DC current (Usek), a power factor correction being provided and the converter comprises a transformer having at least two serially arranged primary windings (LpI, Lp2). Also, a first switch (Si) is used to switch a storage capacitor unit (CSp) in series with a first primary winding (Lpl) to the alternating current (UNI) in a clocked manner via rectification elements (GDI, GD2, GD], GD4) and a second primary winding (Lp2) can be switched to the storage capacitor unit (CSp) in a clocked manner by means of a second switch (S2).

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

(21) Application No.4526/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HEMOSTATIC FOAM

(62) Divisional to Application Number :NA Filing Date :NA			(71)Name of Applicant:  1)BAXTER INTERNATIONAL INC.  Address of Applicant: One Baxter Parkway Deerfield Illinois 60015 U.S.A.  2)BAXTER HEALTHCARE S.A.  (72)Name of Inventor:  1)GOESSL Andreas  2)GORNA Katarzyna
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#### (57) Abstract:

The invention discloses a pharmaceutical hemostatic liquid foam base preparation comprising albumin as foaming agent and a fibrinogen precipitating substance and optionally a coagulation inducing agent wherein albumin as foaming agent is present in native form; a method for the production of a transient hemostatic liquid foam; the transient hemostatic liquid foam; and a kit for making the foam.

No. of Pages: 31 No. of Claims: 18

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A SAFETY SYSTEM A METHOD OF OPERATING A SAFETY SYSTEM AND A METHOD OF BUILDING A SAFETY SYSTEM

(51) International classification :B60L5/00,B60M1/04,B60M7/00 (71)Name of Applicant: (31) Priority Document No 1)BOMBARDIER TRANSPORTATION GMBH :1222712.0 (32) Priority Date :17/12/2012 Address of Applicant :Schneberger Ufer 1 10785 Berlin (33) Name of priority country :U.K. (86) International Application (72) Name of Inventor: :PCT/EP2013/076705 1)CZAINSKI Robert :16/12/2013 Filing Date (87) International Publication :WO 2014/095722 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

# (57) Abstract:

A safety system a method of operating a safety system and a method of building a safety system The invention relates to a Safety system for an inductive power transfer system for transferring power to a vehicle on a surface of a route (11) wherein the primary unit comprises at least one primary winding (7) for generating an electromagnetic primary field for the inductive power transfer wherein a charging surface (10) of the route (11) is assigned to the primary winding wherein the safety system (5) comprises at least one inductive sensing system wherein the inductive sensing system comprises multiple detection windings (2) wherein the multiple detection windings (2) are arranged in an array structure (27) wherein the array structure (27) covers the charging surface (10) at least partially. Furthermore the invention relates to a method of operating such a safety system and a method of building such a safety system.

No. of Pages: 55 No. of Claims: 26

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHODS OF CUTTING A LAMINATE STRENGTHENED GLASS SUBSTRATE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C03B33/07,C03B33/09,C03B33/095 :61/728918 :21/11/2012	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York  14831 U.S.A.
(33) Name of priority country	:U.S.A.	2)GAOZI-IU PENG 3)XINGIIUA L1
(86) International Application No Filing Date	:PCT/US2013/070864 :20/11/2013	4)RUI ZHANG (72)Name of Inventor: 1)PENG Gaozhu
(87) International Publication No	:WO 2014/081745	2)LI Xinghua 3)ZHANG Rui
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Methods of cutting laminate strengthened glass substrates are disclosed. A method is disclosed which includes providing a laminate strengthened glass substrate having a glass core layer with first and second surface portions and at least one glass cladding layer fused to the first surface portion or the second surface portion of the glass core layer. The glass core layer has a core coefficient of thermal expansion that is less than a cladding coefficient of thermal expansion. The method further includes forming an edge defect on the laminate strengthened glass substrate heating first and second regions of the laminate strengthened glass substrate on the at least one glass cladding layer. The first and second regions are offset from first and second sides of a desired line of separation respectively. The method further includes propagating a crack imitated at the edge defect between the first and second regions.

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

(21) Application No.4671/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BLOWING DEVICE FOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:B60H1/00,B60H1/32 :2012278545 :20/12/2012 :Japan :PCT/JP2013/007380 :16/12/2013	( )
(32) Priority Date	:20/12/2012	Address of Applicant: 1 1 Showa cho Kariya city Aichi
	1	
. ,		
Filing Date		1)ISHIGURO Syunsuke
(87) International Publication No	:WO 2014/097605	2)SHIRAISHI Hiroaki
(61) Patent of Addition to Application	:NA	3)IWASAKI Takahiro
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A blowing device for a vehicle is provided with a blowing unit (11) comprising a blower (112) for blowing air and a case (111) housing the blower and a blowing duct (12) in which a blowout port (121) for blowing out air blown from the blower into a space in a vehicle interior is formed. The blowing unit is disposed on the ceiling (2) of the vehicle interior so as to avoid positions where the heads (HD) of occupants seated in seats (3 4 5) are assumed to be present when viewed from the vertical direction of the vehicle interior and the blowing duct is disposed on the ceiling so as to extend in the width direction of the vehicle interior. The blowout port is formed in the blowing duct so as to extend in the width direction of the vehicle interior draws in air outside the blowing duct by the air blown out from the blowout port and blows the air outside the blowing duct into the space in the vehicle interior.

No. of Pages: 45 No. of Claims: 13

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A METHOD OF LASER WELDING TWIP STEEL TO LOW CARBON STEEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B23K 26/00 :61/261,483 :16/11/2009 :U.S.A. :PCT/US2010/056872 :16/11/2010 :WO 2011/060432 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 E. 32ND STREET, HOLLAND, MI 49423, USA U.S.A. (72)Name of Inventor: 1)DANIEL JAMES SAKKINEN 2)ORNELA ZEKAVICA 3)ANTHONY M. KESTIAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of laser welding structures having different steel grades together. The method includes providing a first structure made from a first steel grade and composition and providing a second structure made from a second steel grade composition. The first structure is positioned adjacent the second structure to create a weld zone area wherein at least a portion of the first structure overlaps at least a portion of the second structure. A filler material is selected that has a composition that will create a weld joint between the first structure, the second structure and the filler material such that the weld joint has a predetermined microstructure. The filler material is positioned adjacent the weld zone area. A laser beam is directed at the weld zone area to create a weld joint between the first structure, the second structure and the filler material, wherein the weld joint has a predetermined microstructure.

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

(21) Application No.4536/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: SOLENOID ASSEMBLY FOR FRICTION CLUTCH

(51) International :F16D48/02,F16D25/06,F16D25/0638 classification

(31) Priority Document No :61/725470

(32) Priority Date :12/11/2012 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2013/068243

Application No :04/11/2013 Filing Date

(87) International

:WO 2014/074438 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)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor:

1)OIN Shiwei

2)IGNATOVICH James

### (57) Abstract:

A solenoid assembly having a solenoid core coil and flux plate. The flux plate has inner and outer ring members connected by connecting members. A stop member with a ledge is used to selectively prevent an armature member from coming into contact with the flux plate.

No. of Pages: 18 No. of Claims: 22

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : 'SURGICAL STAPLER WITH DISCRETE STAPLE HEIGHT ADJUSTMENT AND TACTILE FEEDBACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:06/12/2010 :WO 2011/071793 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY, INC. Address of Applicant: 4545 CREEK ROAD, CINCINNATI, OH 45242, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)ARON O. ZINGMAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In various embodiments, a surgical stapler is provided that may comprise a body, a stapling head operably coupled to the body, an anvil movably supported relative to the stapling head for selective travel toward and away from the stapling head, and an anvil adjustment shaft supported by the body for selectively adjusting a position of the anvil relative to the stapling head. The adjustment shaft and/or the body may be configured to establish at least one predetermined staple forming height between the anvil and the stapling head irrespective of adjustment shaft rotation. Additionally, the adjustment shaft, and/or the body may be configured to provide tactile feedback to a user rotating the anvil adjustment shaft, thereby providing the user of an indication of when an appropriate staple forming height has been reached. Various integrations of components described herein may also reduce the part count required for a surgical stapler, thereby reducing assembly time and manufacturing cost.

No. of Pages: 51 No. of Claims: 20

(21) Application No.4537/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SWIRL INDUCING BEARING HOUSING SPACER AND CORE

:F01D25/16,F02B39/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BORGWARNER INC. :61/725131 (32) Priority Date Address of Applicant :Patent Department 3850 Hamlin Road :12/11/2012 (33) Name of priority country Auburn Hills Michigan 48326 U.S.A. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/068235 1)BUCKING Michael Filing Date :04/11/2013 (87) International Publication No :WO 2014/074436 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A turbocharger (10) having a bearing housing (14) between a turbine housing and a compressor housing with a shaped core (16) forming an internal oil drain cavity (20) adjacent to a spacer (24) shaped to induce swirling for oil defoaming. A depression (18) in an internal core wall of the bearing housing (14) forms the oil drain cavity (20) with each end (22) of the depression (18) corresponding to a distal end (30) of the spacer (24). The spacer (24) is preferably substantially tubular with a row of oil flow apertures (32) aligned on each outer span (34) of a recessed center portion (28) to induce swirling.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : DEVICE AND METHOD FOR MIXING BULK MATERIAL WITH A LIQUID AND USE OF A DEVICE

(51) International classification :B01F5/20,B01F13/10,B01F15/02 (71) Name of Applicant : (31) Priority Document No :12191025.1 1)BHLER AG (32) Priority Date :02/11/2012 Address of Applicant : Gupfenstrasse 5 CH 9240 Uzwil (33) Name of priority country :EPO Switzerland (86) International Application (72)Name of Inventor: :PCT/EP2013/072830 1)LAUERMANN Heinz :31/10/2013 Filing Date 2)HASLER Madlen (87) International Publication 3)BERNARD Patrice :WO 2014/068067 4)ARNOLD Fabian (61) Patent of Addition to 5)ALLENSPACH Marius :NA **Application Number** 6)ST-PPLER Andreas :NA Filing Date 7)FRANK Andreas (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention relates to a device (1) that is suitable for continuously wetting and/or mixing bulk material with a liquid in order to produce a mixture in particular a food mixture. The device (1) comprises a bulk material feeding apparatus for feeding the bulk material into a treatment region (9) and a liquid feeding apparatus (7) for directly applying the liquid to the bulk material in the treatment region (9). The bulk material can be fed into the treatment region (9) as a curtain (10) by means of the bulk material feeding apparatus wherein the liquid can be applied to the curtain (10) substantially completely at least on the outer surface (33) by means of the liquid feeding apparatus (7).

No. of Pages: 40 No. of Claims: 14

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

:NA

# (54) Title of the invention : METHOD FOR JOINING BEARING HOUSING SEGMENTS OF A TURBOCHARGER INCORPORATING AN ELECTRIC MOTOR

:F01D25/16,F02B39/00 | (71)**Name of Applicant :** (51) International classification (31) Priority Document No 1)BORGWARNER INC. :61/725165 (32) Priority Date :12/11/2012 Address of Applicant: Patent Department 3850 Hamlin Road (33) Name of priority country Auburn Hills Michigan 48326 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/068239 (72) Name of Inventor: Filing Date :04/11/2013 1) CHEKANSKY Jason W. (87) International Publication No :WO 2014/074437 2)RACE Robert T. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

A bearing housing (12) for a turbocharger (10) includes a split (60) defining a first bearing housing segment (62) and a second bearing housing segment (64). At least one channel (74 84) for transporting fluid within the bearing housing (12) crosses the split (60) such that the channel (74 84) extends within the first bearing housing segment (62) and the second bearing housing segment (64). A dowel (82 92) having a hollow interior is inserted in the channel (74 84) to align the first and second bearing housing segments (62 64) and allows fluid to flow through the channel (74 84).

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

(21) Application No.4540/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SEAT CUSHION STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A47C 7/35 :61/261,507 :16/11/2009 :U.S.A. :PCT/US2010/056863 :16/11/2010 :WO 2011/060428 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant: 915 EAST 32ND STREET, HOLLAND, MI 49423, USA U.S.A. (72)Name of Inventor: 1)ERIC B. MICHALAK
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A seat cushion structure for use in a vehicle seat including a first outer wall and a second outer wall joined to form a plurality of chambers. The seat cushion includes an energy absorption substance disposed within the chambers to absorb occu-pant load. The seat cushion also includes a plurality of springs disposed within the chambers to further fecilitate occupant support and comfort.

No. of Pages: 37 No. of Claims: 16

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FLEXIBLE DRYWALL GRID MEMBER FOR FRAMING DRYWALL STRUCTURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/674983 :13/11/2012 :U.S.A.	(71)Name of Applicant:  1)USG INTERIORS LLC Address of Applicant: 550 West Adams Street Chicago Illinois 60661 3676 U.S.A. (72)Name of Inventor: 1)GULBRANDSEN Peder J. 2)UNDERKOFLER Abraham M. 3)PAULSEN Mark R.
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#### (57) Abstract:

A curvable grid tee for suspending drywall capable of being configured vertically into convex or concave shapes comprising a series of identical web segments joined end to end the segments being formed of sheet metal into a tee shaped cross section the sheet metal of a segment being folded such that each segment has a vertical double layer stem with the stem layers joined at a common fold at upper edges thereof the sheet metal at lower edges of each layer of the stem being bent outwardly to form a flange a junction between adjacent segments permitting such adjacent segments to be angularly displaced relative to one another in a vertical plane such that the flanges are capable of supporting a drywall panel in a curved plane.

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

(21) Application No.4686/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DETACHABLE ADHESIVE STRIP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C09J7/02,C08K5/01 :10 2012 223 670.8 :19/12/2012 :Germany :PCT/EP2013/075621 :05/12/2013 :WO 2014/095382 :NA :NA :NA	(71)Name of Applicant:  1)TESA SE Address of Applicant:Quickbornstrae 24 20253 Hamburg Germany (72)Name of Inventor:  1)KRAWINKEL Thorsten 2)SCHERF Lesmona 3)PETERSEN Anika 4)DOLLASE Thilo
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#### (57) Abstract:

The invention relates to an adhesive film strip comprising at least two particularly three layers which adhesive film strip can be detached without residues and nondestructively by expansive stretching substantially in the adhesion plane with a carrier on which a first external adhesive compound layer is present on at least one side wherein the adhesive compound layer consists of adhesive compound formed on the basis of vinyl aromatic block copolymers and adhesive resins wherein at least 75% of the resin (relative to the overall resin content) is selected with a DACP (diacetone alcohol cloud point) of greater than 20°C preferably greater than 0°C and the carrier has at least one layer made from a polyurethane with an elongation at break of at least 100% and a restoring power of more than 50%. A nonpolar hydrocarbon resin or a polyterpene resin is particularly used as the tackifier for the adhesive compound(s).

No. of Pages: 27 No. of Claims: 12

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: BOLSTER BOLSTER VIBRATION DAMPING ASSEMBLY AND BOGIE

(71)Name of Applicant: (51) International classification :B61F5/04 1)QIQIHAR RAILWAY ROLLING STOCK CO.LTD. (31) Priority Document No :201310617318.X DALIAN R&D CENTRE (32) Priority Date :27/11/2013 Address of Applicant :No.19 Guangyuan avenue Lyshun (33) Name of priority country :China Economic and Development District Dalian Liaoning 116000 (86) International Application No :PCT/CN2014/081020 Filing Date :27/06/2014 2) OIOIHAR RAILWAY ROLLING STOCK CO.LTD. (87) International Publication No :WO 2015/078180 (72)Name of Inventor: (61) Patent of Addition to Application :NA 1)YIN Pingwei Number :NA 2)XU Shifeng Filing Date 3)LIU Zhenming (62) Divisional to Application Number :NA 4)ZHANG Derong Filing Date :NA 5)LIANG Hao

#### (57) Abstract:

Disclosed are a bolster comprising a main body (10) wherein two ends of the main body (10) both have a mounting cavity (11) used for mounting a friction block (20) the mounting cavity (11) has a first horizontal opening (11a) and a second horizontal opening (11b) provided opposite each other and the directions of opening of the first horizontal opening (11a) and the second horizontal opening (11b) are both perpendicular to the extension direction of the main body (10); a bolster vibration damping assembly comprising a bolster and a vibration damping part wherein the vibration damping part comprises the friction block (20) a horizontal elastic element (30) and a vertical elastic element (40) the friction block (20) is mounted in the mounting cavity (11) of the bolster main body (10) and an end part of the friction block extends out of the first horizontal opening (11a) and the second horizontal opening (11b) of the mounting cavity (11); and a bogic comprising the bolster vibration damping assembly and a side frame (80) wherein the bolster vibration damping assembly is provided on the side frame (80). Since the friction block (20) matches the bolster without using an inclined face and the direction of movement of the bolster is perpendicular to the direction of movement of the friction block (20) relative to the bolster abrasion between the friction block (20) and the bolster is reduced ensuring that the relative movement or the abrasion of the bolster and the friction block will not affect the vibration damping performance of the vertical elastic element (40) thereby ensuring a vibration damping effect for the bogic when a vehicle is empty ensuring reliability of use of the bolster.

No. of Pages: 19 No. of Claims: 11

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: HANDHELD REMOTE CONTROL DEVICE

(51) International classification	:G06F3/01	(71)Name of Applicant:
(31) Priority Document No	:201210426043.7	1)ZTE CORPORATION
(32) Priority Date	:31/10/2012	Address of Applicant :ZTE Plaza Keji Road South Hi Tech
(33) Name of priority country	:China	Industrial Park Nanshan Shenzhen Guangdong 518057 China
(86) International Application No	:PCT/CN2013/084119	(72)Name of Inventor:
Filing Date	:24/09/2013	1)GONG Yougang
(87) International Publication No	:WO 2014/067373	2)CAO Yurong
(61) Patent of Addition to Application	:NA	3)TANG Geliang
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a handheld remote control device wherein shape is quadrate plate shaped which comprises a frontal plate a rear plate and several profiles wherein a keyboard is set on the frontal plate being used for remotely controlling electrical device a touch plate is set on the rear plate being used for editing information and inputting it to electrical device and a switch key is set on one of the several profiles being used for controlling on and off between frontal plate and rear plate. The handheld remote control device of the present invention gives attention to the advantage of portability concision and low power consumption of tradition remote control device meanwhile imports the touch plate input mode wherein user can input information through said device to a smart home electrical device easily shortcut and intuitively and aiming at the characteristic of home handheld the touch plate is provided multi input modes which satisfies the use requirements of different conditions and can be applied to many application occasions such as a tradition home electrical device home network and mobile sociality.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BUFFER PROCESSING METHOD AND DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:22/08/2013 :WO 2013/189413 :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)ZHANG Linsheng
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention provides a buffer processing method and device. The method comprises: when first data of a first user needs to be buffered reading a current storage start address; storing the first data to a buffer space from the current storage start address where the buffer space occupied by the first data is a first buffer space; corresponding to the first data saving storage location information comprising a start address and a space length of the first buffer space so that when the first data needs to be read the first buffer space is located according to the start address and the space length and the first data is read from the first buffer space; updating the current storage start address to a next address of the first buffer space so that next data needing to be buffered is buffered from the updated current storage start address. The present invention better uses the buffer space and reduces address information saved for reading.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: NITROGEN MONOXIDE AS CIS/TRANS ISOMERIZATION CATALYSTS FOR UNSATURATED **COMPOUNDS**

(51) International :C07C29/56,C07C45/67,C07C43/313

classification :12197803.5 (31) Priority Document No

(32) Priority Date :18/12/2012

(33) Name of priority :EPO country

(86) International

:PCT/IB2013/061083 Application No

:18/12/2013 Filing Date

(87) International

:WO 2014/097172 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)DSM IP ASSETS B.V.

Address of Applicant: Het Overloon 1 NL 6411 Te Heerlen

Netherlands

(72) Name of Inventor:

1)STEMMLER Ren Tobias

2) GREINER Nadine

3)WILDERMANN Angela

### (57) Abstract:

The present invention relates to a process of a cis/trans isomerization of an unsaturated compound A being selected from the group consisting of unsaturated ketones unsaturated ketals unsaturated aldehydes unsaturated acetals unsaturated carboxylic acids esters of an unsaturated carboxylic acid and amides of an unsaturated carboxylic acid using nitrogen monoxide as cis/trans isomerization catalyst. It has been observed that the isomerization is very efficient and fast.

No. of Pages: 39 No. of Claims: 14

(21) Application No.4679/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : POLYTHIOLS AS CIS/TRANS ISOMERIZATION CATALYSTS FOR UNSATURATED COMPOUNDS

(51) International classification :C07C43/313,C07C45/67,C07C45/82

(31) Priority Document No :12197798.7 (32) Priority Date :18/12/2012

(33) Name of priority :EPO

country

(86) International PCT/IB2013/061082 Application No

Filing Date :18/12/2013

(87) International

Publication No :WO 2014/097171

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

(71)Name of Applicant: 1)DSM IP ASSETS B.V.

Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen

Netherlands

(72)Name of Inventor:
1)STEMMLER Ren Tobias

2) GREINER Nadine

### (57) Abstract:

The present invention relates to a process of a cis/trans isomerization of an unsaturated compound A being selected from the group consisting of unsaturated ketones unsaturated ketals unsaturated aldehydes unsaturated acetals unsaturated carboxylic acid sesters of an unsaturated carboxylic acid and amides of an unsaturated carboxylic acid using polythiol as cis/trans isomerization catalyst. It has been observed that the isomerization is very efficient and fast.

No. of Pages: 48 No. of Claims: 16

(21) Application No.4548/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: QUICK INSTALLATION SEALING CONNECTION ASSEMBLY

(51) International classification :E03D11/13,F16L47/26 (71)Name of Applicant : (31) Priority Document No :201210432304.6 1)LI Feiyu (32) Priority Date Address of Applicant :No. 2 Xia Fei East Road Haicang :31/10/2012 (33) Name of priority country Xiamen Fujian 361022 China :China (86) International Application No (72) Name of Inventor: :PCT/CN2013/083337 1)WU Aimin Filing Date :11/09/2013 (87) International Publication No :WO 2014/067352 2)XU Haitao (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A quick installation sealing connection assembly (1) which comprises a first sealing ring (11) an expansion tube (12) and a tubular flow through connector (14); the connector is hermetically arranged in a pipeline through the first sealing ring (11) and the expansion tube (12); the expansion pipe (12) is sleeved on the surface of the outer wall of the tubular connector (14); and the first sealing ring (11) is sleeved on the surface of the outer wall of the expansion tube (12). The tubular connector (14) of the connection assembly (1) is hermetically arranged in the pipeline through the first sealing ring (11) the expansion tube (12) and a second sealing ring (13) so that a sealing structure can be quickly installed in a small space working efficiency is high and a good sealing effect is realized.

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

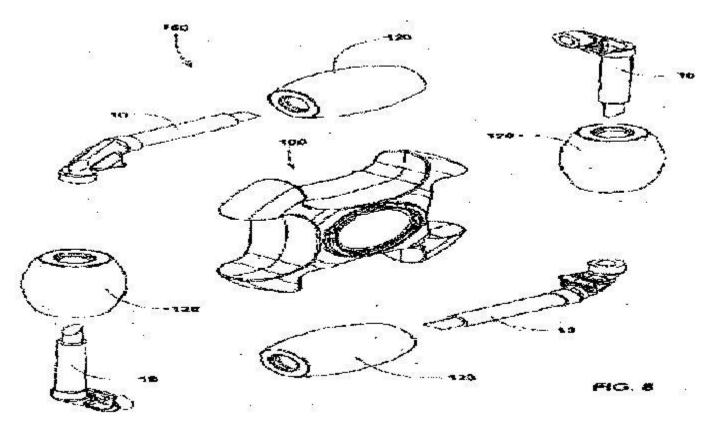
(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention: WHEEL FRAME.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60B 19/12 :2009905168 :23/10/2009 :Australia :PCT/AU2010/001419 :25/10/2010 :WO 2011/047443 :NA :NA	(71)Name of Applicant:  1)ROTACASTER WHEEL LTD.  Address of Applicant: P.O. BOX 866, THE JUNCTION, NEW SOUTH WALES 2291 AUSTRALIA, Australia (72)Name of Inventor:  1)MICKINNON, PETER 2)TAYLOR, GERRY
(61) Patent of Addition to Application	:NA	2)milon, cent

#### (57) Abstract:

A method of assembling a wheel rotatable about a main axis and having a plurality of peripheral rollers mounted on peripheral axles aligned tangentially about said wheel and radially spaced from said main axis, each said peripheral axle joined to adjacent other peripheral axles to form a continuous ring comprising said peripheral axles, said method including the steps of; molding each peripheral axle in a die having a cylindrical cavity for forming the axle shaft of said peripheral axle without longitudinal separation lines, said peripheral axles each having a receiving head portion for receiving a free end of said axle shaft of an adjacent peripheral axle; mounting a roller on each said axle shaft; joining said peripheral axles together to form a continuous ring of peripheral axles; and molding a wheel body including a support structure around said continuous ring.



No. of Pages: 37 No. of Claims: 19

(22) Date of filing of Application :26/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR ENABLING CUSTOMERS TO OBTAIN VISION AND EYE HEALTH EXAMINATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/723188 :06/11/2012 :U.S.A.	(71)Name of Applicant: 1)20/20 VISION CENTER LLC Address of Applicant: 5725 Corporate Way Suite 106 West Palm Beach Florida 33407 U.S.A. (72)Name of Inventor: 1)SERIANI Joseph S. 2)COHEN Bob
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods are provided for eye health and vision examinations. A customer diagnostic center is configured to generate customer examination data pertaining to an examination of a customer s eye. The customer diagnostic center provides a user interface for communicating with a customer and ophthalmic equipment for administering tests to the customer. A diagnostic center server is configured to receive the customer examination data from the customer diagnostic center over a network and allow the customer examination data to be accessed by an eye care practitioner. A practitioner device associated with the eye care practitioner is configured to receive the customer examination data from the diagnostic center server and display at least a portion of the customer examination data to the eye care practitioner. Customer evaluation data is generated pertaining to the eye care practitioner s evaluation of the customer examination data. An eye health report is provided to the customer via the network.

No. of Pages: 70 No. of Claims: 20

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

:NA

## (54) Title of the invention: POROUS ALUMINUM BODY AND MANUFACTURING METHOD THEREFOR

:B22F3/11,B22F1/00,C22C1/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)MITSUBISHI MATERIALS CORPORATION :2012284678 (32) Priority Date :27/12/2012 Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku (33) Name of priority country :Japan Tokyo 1008117 Japan (86) International Application No: PCT/JP2013/007233 (72)Name of Inventor: 1)YANG Ji Bin Filing Date :09/12/2013 (87) International Publication No: WO 2014/103202 2)HOSHINO Koji (61) Patent of Addition to 3)SAIWAI Toshihiko :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

Provided are a porous aluminum body and a manufacturing method therefor whereby high porosity porous aluminum bodies can be manufactured via a continuous manufacturing process. This porous aluminum body comprises a plurality of aluminum fibers (1) joined together. On each of said aluminum fibers (1) a plurality of columnar protrusions (2) that protrude outward from the outer surface of that aluminum fiber (1) are formed at intervals. Said columnar protrusions (2) cause adjacent aluminum fibers (1) to interlock.

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

(21) Application No.4681/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : EFFICIENT PROCESS OF ASYMMETRIC HYDROGENATION OF UNSTURATED KETONES USING ADDITIVES

(51) International classification :C07C33/025,C07D311/72,C07C45/62

(31) Priority Document No :12197791.2

(32) Priority Date(33) Name of priority

country :EPO

(86) International :PCT/IB2013/061081

Application No
Filing Date

FUND2013

(87) International :WO 2014/097170

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)DSM IP ASSETS B.V.

Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen

Netherlands

(72)Name of Inventor:

1)MEDLOCK Jonathan Alan 2)VERZIJL Gerardus Karel Maria

3)IJPEIJ Edwin Gerard

4) VRIES DE Andreas Hendrikus Maria

### (57) Abstract:

The present invention relates to a process of the asymmetric hydrogenation of an unsaturated ketone or aldehyde by molecular hydrogen in the presence of at least one chiral iridium complex and in the presence of at least one additive and a halogenated alcohol. This process yields chiral compounds in a very efficient way and is very advantageous in that the amount of iridium complex can be remarkably reduced.

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

(21) Application No.4682/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SELF CLEANING RETRACTABLE WASHING HEAD WITH PNEUMATIC DRIVE

:B05B3/04,B08B9/093 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BRINOX D.O.O. :P201200374 (32) Priority Date Address of Applicant :Sora 21 1215 Medvode Slovenia :12/12/2012 (33) Name of priority country (72)Name of Inventor: :Slovenia 1)SAVIC Slavislav (86) International Application No :PCT/SI2013/000078 Filing Date :09/12/2013 (87) International Publication No :WO 2014/092657 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A self cleaning retract washing head with a pneumatic drive designed for efficient washing of vessels or containers and intermediate components for the preparation of solutions in pharmaceutical and food industry said solutions being at an overpressure of up to 6 bar wherein the constructional solution to the washing head of the invention provides for a simple and efficient self cleaning of the washing head. The self cleaning retract washing head (1) with the pneumatic drive is provided with a movable bar (2) with a washing ring (5) wherein at the end of the bar (2) on the washing ring (5) an annular element (3) with grooves (3) is pivotably arranged which grooves cause rotation of the annular element (3).

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

(21) Application No.4683/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: PHARMACEUTICAL COMBINATION COMPRISING A B RAF INHIBITOR AND A HISTONE DEACETYLASE INHIBITOR AND THEIR USE IN THE TREATMENT OF PROLIFERATIVE DISEASES

(51) International : A61K31/4045, A61K31/506, A61P35/00classification

(31) Priority Document :61/723925

(32) Priority Date :08/11/2012

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

(86) International

:PCT/EP2013/073452 Application No

:08/11/2013 Filing Date

(87) International

:WO 2014/072493 **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)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor:

1) GALLAGHER Stuart John

2)HERSEY Peter

#### (57) Abstract:

A pharmaceutical combination comprising (a) a B Raf inhibitor and (b) a historic deacetylase inhibitor; the uses of such combination in the treatment of proliferative diseases; and methods of treating a subject suffering from a proliferative disease comprising administering a therapeutically effective amount of such combination.

No. of Pages: 28 No. of Claims: 20

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: TEMPERATURE REGULATING STRUCTURE FOR ELECTRICAL STORAGE ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01M2/10,H01M10/50 :NA :NA :NA :PCT/JP2012/007715 :30/11/2012 :WO 2014/083599 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan (72)Name of Inventor: 1)WATANABE Hirotaka 2)HAYASHI Tuyoshi 3)KATAYAMA Junta
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In an electrical storage element constituted by a cover and a case body for housing a power generating element that carries out charging and discharging to efficiently regulate the temperature of the electrical storage element by bringing air for temperature regulation into contact with the bottom surface of the case body which faces the cover with the power generating element therebetween. [Solution] In this cooling structure for the electrical storage element the electrical storage element has: a case body for housing a power generating element that carries out charging and discharging provided with an opening to permit installation of the power generating element; and a cover for closing off the opening of the case body. Air for temperature regulation which contacts the electrical storage element is supplied from a direction approximately orthogonal to the bottom surface of the case body facing the cover with the power generating element therebetween. The temperature of the electrical storage element can be efficiently regulated through contact of air for temperature regulation against the bottom surface of the case body.

No. of Pages: 52 No. of Claims: 17

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROCESS FOR PREPARING ALKYLATE COMPRISING AN IMPROVED SOLIDS REMOVAL STEP

(71)Name of Applicant: (51) International classification :C07C2/58,C07C9/16 1)SHELL INTERNATIONALE RESEARCH (31) Priority Document No :PCT/CN2012/086527 MAATSCHAPPIJ B.V. (32) Priority Date :13/12/2012 Address of Applicant: Carel van Bylandtlaan 30 NL 2596 HR (33) Name of priority country :China The Hague Netherlands (86) International Application No :PCT/EP2013/076607 2) CHINA UNIVERSITY OF PETROLEUM Filing Date :13/12/2013 (72)Name of Inventor: (87) International Publication No :WO 2014/091013 1)KLUSENER Peter Anton August (61) Patent of Addition to Application :NA 2)LIU Zhichang Number 3)MENG Xianghai :NA Filing Date 4)ZHANG Rui (62) Divisional to Application Number :NA 5)DE WITH Jan Filing Date :NA 6)XU Chunming

### (57) Abstract:

The present invention relates to a process for preparing alkylate comprising the subsequent steps (a) (b) and (c): (a) an alkylation step wherein in a reaction zone a hydrocarbon mixture comprising at least an isoparaffin and an olefin is reacted with an ionic liquid catalyst to obtain an effluent comprising alkylate and solids which latter are formed as side products in the alkylation step; (b) a separation step wherein at least part of the alkylate comprising effluent coming from the reaction zone is separated in a separator unit into a hydrocarbon rich phase and an ionic liquid catalyst rich phase which latter phase also comprises solids formed as side products during the alkylation reaction; and (c) a solids removal step wherein the solids in ionic liquid catalyst rich phase are separated from the ionic liquid catalyst using a suitable separating device; wherein the process further comprises a step following the separation step (b) and prior to the solids removal step (c) wherein an amount of an organic solvent is added to the ionic liquid catalyst rich phase which organic solvent has a viscosity which is significantly lower than that of the ionic liquid and which solvent is at least partially miscible with the ionic liquid. The process of the invention provides for more efficient solids removal than processes known from the prior art.

No. of Pages: 42 No. of Claims: 10

(21) Application No.4543/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PROCESS FOR MANUFACTURING BIOFUELS

:PCT/EP2013/073345

:WO 2014/072453

(51) International :C07D317/20,C07D317/24,C07D319/06 classification

(31) Priority Document

:12382441.9

:EPO

:08/11/2013

(32) Priority Date :09/11/2012

(33) Name of priority

country

(86) International Application No

Filing Date (87) International

Publication No

(61) Patent of Addition to :NA

**Application Number** 

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

(71)Name of Applicant:

1)INSTITUT UNIV. DE CI'NCIA I TECNOLOGIA S.A.

Address of Applicant :C. • Ivarez de Castro 63 E 08100

Mollet Del Valles Spain (72)Name of Inventor:

1)BAYARRI FERRER Natividad 2)EST%VEZ COMPANY Carles

3)CASTELLS BOLIART Josep

## (57) Abstract:

The present invention relates to a process for obtaining simultaneously several compositions comprising fatty acid alkyl esters (biodiesel) glycerol formal and fatty acid glycerol formal esters.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: TRANSACTION PROCESSING DEVICE AND METHOD FOR COUNTING PAPER MONEY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G07D9/00 :2013013303 :28/01/2013 :Japan :PCT/JP2014/050104 :08/01/2014 :WO 2014/115574 :NA :NA	(71)Name of Applicant:  1)HITACHI OMRON TERMINAL SOLUTIONS CORP. Address of Applicant: 6 3 Osaki 1 chome Shinagawa ku Tokyo 1418576 Japan (72)Name of Inventor: 1)ZHOU Yufeng
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are a transaction processing device and a method for counting paper money which are capable of reducing the processing time even in a simple inexpensive device without dependence on a device that has a complicated expensive paper money cassette mechanism. The transaction processing device which conveys paper money in a cassette so as to examine said paper money is characterised by comprising: a plurality of storage cassettes which store the paper money to be examined; an empty cassette in which the paper money is not being stored; a conveyance mechanism unit which conveys the paper money between the storage cassettes and the empty cassette; and a control unit which withdraws the paper money stored in the storage cassettes or the empty cassette and conveys the paper money while counting said money to a different cassette by using the conveyance mechanism unit. Furthermore the transaction processing device is characterised by the control unit performing a first examination process wherein: paper money which is being stored in one cassette from among the plurality of storage cassettes is conveyed to the empty cassette; paper money is withdrawn from a storage cassette other than the storage cassette which is empty after the paper money therein has been conveyed to the empty cassette; and the paper money is examined by being conveyed repeatedly to a different cassette by the conveyance mechanism unit while being counted.

No. of Pages: 62 No. of Claims: 6

(22) Date of filing of Application :26/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: COMMUNICATION CONTROL METHOD RADIO COMMUNICATION SYSTEM RADIO BASE STATION AND NONTEMPORARY COMPUTER READABLE MEDIUM

:H04W36/00,H04W92/20 | (71)Name of Applicant : (51) International classification (31) Priority Document No :2012249670 (32) Priority Date :13/11/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/004494 Filing Date :24/07/2013

:NA

(87) International Publication No :WO 2014/076855

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA 1)NEC CORPORATION

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

1088001 Japan

(72) Name of Inventor: 1)WATANABE Tomohiro

2) UEDA Yoshio

3)NAKATA Atsushi

#### (57) Abstract:

Filing Date

During a handover between the cells of adjacent radio base stations the handover may fail due to a mismatch between the attribute values of the adjacent radio base stations. According to a communication control method of the invention a second radio base station (103) adjacent to a first radio base station (100) transmits to the first radio base station (100) an attribute value related to a second cell (102) managed by the second radio base station (103). The first radio base station (100) receives the attribute value related to the second cell and compares the attribute value of the second cell (102) with an attribute value of a first cell (101) managed by the first radio base station (100). If the received attribute value of the second cell (102) is different from the attribute value of the first cell (101) the first radio base station (100) executes according to a predetermined reference a process of causing the attribute value of the first cell (101) and attribute value of the second cell (102) to match each other.

No. of Pages: 64 No. of Claims: 10

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : FASTENER FOR FASTENING A PANEL TO A SUPPORT AND ASSEMBLY TO FASTEN TO SAID SUPPORT PROVIDED WITH A FASTENER AND A PANEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:1350289 :14/01/2013 :France	(71)Name of Applicant:  1)ILLINOIS TOOL WORKS INC.  Address of Applicant: 155 Harlem Avenue Glenview Illinois 60025 U.S.A.  (72)Name of Inventor:  1)COURTIN Christian  2)HUET Laurent
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a fastener comprising a foot and a head comprising a plate to which said foot is linked a wedge and a shank connecting said plate to said wedge which comprises a back plate a rim and flexible arms connecting said rim to said back plate each arm comprises a first and a second curved section and an elbow connecting them said first section is connected to said back plate by a first end of said arm and said second section is connected to said rim by a second end of said arm said back plate and each flexible arm are configured such that the distance between the center of said back plate and said second section increases along said second section from said elbow to said rim.

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

(21) Application No.4558/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: LIGHTING DEVICE

(51) International classification :F21V17/00,F21K99/00,F21Y111/00

(31) Priority Document No :1219792.7 (32) Priority Date :02/11/2012

(33) Name of priority :U.K.

country :U.K

(86) International :PCT/GB2013/052876

Application No
Filing Date

1 C1/GB20
:04/11/2013

(87) International :WO 2014/068335

Publication No
(61) Patent of Addition to

(61) Patent of Addition to
Application Number
Filing Date
(22) Pitting Interpretation (NA)

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

(71)Name of Applicant:

1)TECNA DISPLAY LIMITED

Address of Applicant :Unit 11R Silvermere Drive, Stonehill

Business Park, London N18 3QH (GB). U.K.

(72)Name of Inventor: 1)EVITT Jonathan

### (57) Abstract:

A lighting device (1) that includes a light transmissive tube (2) a support (4) to which a series of light emitting elements (7) are mounted and a connector (5) for connecting the light emitting elements to a power source. The support (4) is formed of a planar resilient material twisted or wound into a spiral or helix and received within and constrained by an inner circumferential surface of the tube (2) such that it is mounted directly to and/or in interference fit with the tube (2).

No. of Pages: 27 No. of Claims: 19

(22) Date of filing of Application :23/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PROCESSES FOR PRODUCING POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF

(51) International classification	:C08G 65/34	(71)Name of Applicant :
(31) Priority Document No	:61/288,531	1)E. I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:21/12/2009	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:U.S.A.	WILMINGTON, DELAWARE 19898, U.S.A. U.S.A.
(86) International Application No	:PCT/US2010/061014	(72)Name of Inventor:
Filing Date	:17/12/2010	1)HOFFMANN, CHRISTIAN
(87) International Publication No	:WO 2011/084686	2)JACKSON, SCOTT, CHRISTOPHER
(61) Patent of Addition to Application	:NA	3)MURPHY, EDWARD, R.
Number		4)RAJAGOPALAN, BHUMA
Filing Date	:NA	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		

### (57) Abstract:

Processes for producing polytrimethylene ether glycol and copolymers thereof are provided wherein, by condensing and recycling at least a portion of the vapor phase produced as the reaction progresses, the yield loss and polymer color are reduced.

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

(21) Application No.4559/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DRINKING STRAW

(51) International classification	:A47G21/18	(71)Name of Applicant:
(31) Priority Document No	:P1200663	1)SILMAN INVEST & TRADE LTD.
(32) Priority Date	:16/11/2012	Address of Applicant :Olivier Maradan Building Olivier
(33) Name of priority country	:Hungary	Maradan Street Suite 2 Victoria Mah Seychelles
(86) International Application No	:PCT/HU2013/000070	(72)Name of Inventor:
Filing Date	:17/07/2013	1)ECSERI Ferenc
(87) International Publication No	:WO 2014/076513	
(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 drinking straw comprising: a thermoplastic wall having an elongate container portion; liquid permeable closures closing off the container portion; at least one effervescent tablet disposed within the container portion such that a clearance is left between the inner side of the wall and the at least one tablet; a hygroscopic; filler disposed at both sides of the at least one tablet within the container portion.

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

(21) Application No.4702/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: RAVIOLI ANALOGS AND METHODS FOR MAKING SUCH ANALOGS

:A23K1/00,A23K1/10,A23L1/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/733014 (32) Priority Date :04/12/2012

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

(86) International Application :PCT/US2013/071670

No :25/11/2013 Filing Date

(87) International Publication No: WO 2014/088865

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)NESTEC SA

Address of Applicant : Avenue Nestle 55 CH 1800 Vevey

Switzerland

(72) Name of Inventor:

1) GERHEART Lynn Ann

### (57) Abstract:

The invention provides ravioli analogs. In one aspect the ravioli analog comprises a first dough that completely encases a second dough each of the first dough and the second dough having a different colorant relative to the other dough but at least one component of the first dough and the second dough being the same. In another aspect a method for making ravioli analogs comprises co extruding a first dough and a second dough having at least one component that is present in both the first dough and the second dough the first dough and the second dough having different colorants relative to each other; and cutting the extruded doughs into pieces having predetermined sizes with ends sealed such that the first dough completely encases the second dough. In yet another aspect a blended food composition comprises one or more ravioli analogs and one or more other comestible ingredients.

No. of Pages: 21 No. of Claims: 20

(21) Application No.4703/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: PSEUDO LOAF FOOD COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A23K1/18 :61/733079 :04/12/2012 :U.S.A. :PCT/US2013/071497 :22/11/2013 :WO 2014/088852	(71)Name of Applicant:  1)NESTEC SA  Address of Applicant: Avenue Nestle 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)RAYNER Michael G.  2)RAYNER Jean Luz
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2014/088852 :NA :NA	2)RAYNER Jean Luz 3)MILLER Rachel
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides pseudo loaf food compositions comprising meat analog chunks and gravy the gravy comprising a thickener selected from the group consisting of a gum present in the gravy in an amount from about 0.5 to about 3.0% of the gravy by weight a starch present in the gravy in an amount from about 2.0 to about 9.0% of the gravy by weight and combinations thereof. The food composition has a moisture content from about 60% to about 74% of the composition by weight and has a loaf type structure. In an embodiment the moisture content of the pseudo loaf food composition is from about 67% to about 74% of the composition by weight. In addition the invention provides methods of making pseudo loaf food compositions and also provides blended food compositions comprising one or more pseudo loaf compositions and one or more comestible ingredients compatible with the pseudo loaf food compositions.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: WELDING RESOURCE TRACKING AND ANALYSIS SYSTEM AND METHOD

(51) International classification	:G05B23/02,B23K9/095	(71)Name of Applicant:
(31) Priority Document No	:13/838860	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:15/03/2013	Address of Applicant :155 Harlem Avenue Glenview Illinois
(33) Name of priority country	:U.S.A.	60025 U.S.A.
(86) International Application No	:PCT/US2014/017863	(72)Name of Inventor:
Filing Date	:22/02/2014	1)LAMERS Nathan John
(87) International Publication No	:WO 2014/149377	2)LEITERITZ Nathan Gerald
(61) Patent of Addition to Application	:NA	3)HOLVERSON Todd Earl
Number	:NA	4)GILL Michael Anthony
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Metal fabrication systems such as welding systems and related equipment may be monitored and parameters sensed or calculated during metal fabrication operations. The parameter values are stored and transmitted to a web based analysis system. Sampled values of the parameters are used to generate graphical presentations that are used to populate user viewable pages. The pages may be configured by users and systems and parameters of interest selected.

No. of Pages: 31 No. of Claims: 20

(21) Application No.4555/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ACCORDION BIOREACTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12M 3/02 :61/281,552 :19/11/2009 :U.S.A. :PCT/US2010/057243 :18/11/2011 :WO 2011/063129 :NA :NA :NA	(71)Name of Applicant:  1)THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA Address of Applicant: OFFICE OF TECHNOLOGY TRANSFER, 888 N. EUCLID AVENUE, ROOM 204, TUCSON, AZ 85721-0158, U.S.A. U.S.A. (72)Name of Inventor: 1)CUELLO, JOEL, L. 2)LEY, JOESPH, W.
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#### (57) Abstract:

Disclosed herein are bioreactors including a first sheet and a second sheet (one or both of which is substantially transparent to light), wherein the second sheet is disposed adjacent to the first sheet, and the first and second sheets are sealed along a first longitudinal edge, a second longitudinal edge, a first horizontal edge, a second horizontal edge, and at least one intermediate horizontal seal between the first horizontal edge and the second horizontal edge, thereby forming at least two chambers for holding fluid in series along a vertical axis, wherein each of the two or more chambers is oriented at an angle relative to the vertical axis, wherein the angle is about 0° to about 90° and at least one of the chambers is oriented at an angle greater than 0°, and wherein there is at least one opening in each of the first horizontal edge, the second horizontal edge, and intermediate horizontal seal(s); a support structure comprising at least one horizontal support, wherein the horizontal support is located at or near the position of the intermediate horizontal seal; a reservoir below the second horizontal edge of the first and second sheets; and a means for pumping fluid from the reservoir to the first horizontal edge of the first and second sheets. Also disclosed are methods of culturing cells including circulating a suspension of cells in a disclosed bioreactor. In some examples, the cells include microalgae, macroalgae, bacteria, fungi, insect cells, plant cells, animal cells (such as mammalian cells), or plant or animals tissue or organs. In particular examples, the method includes exposing the culture in the bioreactor to a light source (such as sunlight or an artificial light source).

No. of Pages: 53 No. of Claims: 22

(21) Application No.4555/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 27/11/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H05K5/00 :10 2012 222 676.1 :10/12/2012 :Germany :PCT/EP2013/074109 :18/11/2013 :WO 2014/090516 :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany (72)Name of Inventor:  1)GUECKEL Richard  2)KROECKEL Markus
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#### (57) Abstract:

The invention relates to a control device for a motor vehicle. Said control device comprises a housing and a circuit board in the housing an end section of the circuit board being designed as a plug in contact. According to the invention at least one part of the housing includes at least one centering pin which is designed to penetrate a through hole in the circuit board and maintain the circuit board in a predetermined position in the housing.

No. of Pages: 18 No. of Claims: 12

(21) Application No.4718/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A LIQUID FLUID FILTER ASSEMBLY

(51) International classification (31) Priority Document No	:B01D65/02 :12197646.8	(71)Name of Applicant: 1)GRUNDFOS HOLDING A/S
(32) Priority Date (33) Name of priority country	:18/12/2012 :EPO	Address of Applicant :Poul Due Jensens Vej 7 -11, DK -8850 Bjerringbro Denmark
(86) International Application No		(72)Name of Inventor:
Filing Date (87) International Publication No.	:29/11/2013 :WO 2014/095303	1)DENNING, Lars
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2014/093303 :NA :NA	2)DANTONIO ,Sbastien
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention refers to a liquid fluid filter assembly including a cleaning device for chemical cleaning of a filter wherein the cleaning device comprises injection means arranged to inject a cleaning chemical into a fluid flow through the filter wherein the cleaning device comprises a circulation conduit which allows a closed loop fluid flow through the filter, wherein said injection means is arranged to inject the cleaning chemical into the fluid of said closed loop fluid flow, and a control device controlling at least one valve and/or pump activating said closed loop fluid flow.

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR INDICATING A PRESENCE OR NON PRESENCE OF AGGRESSIVE PROSTATE CANCER

(51) International classification	:C12Q1/68,G01N33/574 :12513123	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:20/11/2012	1)PHADIA AB Address of Applicant :Box 6460 S 751 37 Uppsala Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/074259	1)GR-NBERG Henrik
Filing Date	:20/11/2013	2)EKLUND Martin
(87) International Publication No	:WO 2014/079865	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates generally to the detection and identification of various forms of genetic markers and various forms of proteins which have the potential utility as diagnostic markers. By determining the level of a plurality of biomarkers and genetic markers in a patient sample and combining the obtained values according to a predefined formula it is possible to determine if it is likely that the patient suffers from aggressive prostate cancer. The present invention is particularly applicable only for patients having a body mass index value greater than 25.

No. of Pages: 61 No. of Claims: 36

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: MODIFIED Y ZEOLITE/ZSM 5 CATALYST FOR INCREASED PROPYLENE PRODUCTION

(51) International classification: B01J29/80,B01J29/08,B01J29/40 (71) Name of Applicant: (31) Priority Document No 1)ALBEMARLE EUROPE SPRL :61/740948 (32) Priority Date :21/12/2012 Address of Applicant :Parc Scientifique de LLN Rue du (33) Name of priority country Bosquet 9 1348 Louvain la Neuve Belgium :U.S.A. (72) Name of Inventor: (86) International Application :PCT/EP2013/077509 1)LUDVIG Maria Margaret No :19/12/2013 Filing Date 2) RAUTIAINEN Erja Paivi Helena (87) International Publication 3)POUWELS Albert Carel :WO 2014/096267 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Provided is a Fluid Catalytic Cracking catalyst composition having increased propylene production with respect to other Fluid Catalytic Cracking catalysts (measured at constant conversion). The catalyst composition comprises a particulate which comprises (a) non rare earth metal exchanged Y zeolite in an amount in the range of about 5 to about 50 wt% based upon the weight of the particulate; and (b) ZSM 5 zeolite in an amount in the range of about 2 to about 50 wt% based upon the weight of the particulate.

No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: VOICE RECOGNITION APPARATUS AND VOICE RECOGNITION METHOD THEREOF

:G10L15/00,G10L15/28 (71)Name of Applicant : (51) International classification 1)SAMSUNG ELECTRONICS CO. LTD. (31) Priority Document No :1020120120374 Address of Applicant :129 Samsung ro Yeongtong gu Suwon (32) Priority Date :29/10/2012 (33) Name of priority country si Gyeonggi do 443 742 Republic of Korea :Republic of Korea (72)Name of Inventor: (86) International Application No :PCT/KR2013/008831 Filing Date :02/10/2013 1)BAK Eun sang (87) International Publication No :WO 2014/069798 2)KIM Myung jae (61) Patent of Addition to Application 3)LIU Yu :NA Number 4)PARK Geo geun :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A voice recognition apparatus is provided. The voice recognition apparatus comprises: a voice receiver which receives a user s voice signal; a first voice recognition engine which receives the voice signal and performs a voice recognition process; a communication unit which receives the voice signal and transmits the voice signal to an external second voice recognition engine; and a controller which transmits the voice signal received through the voice receiver to at least one of the first voice recognition engine and the communication unit.

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

(22) Date of filing of Application :27/05/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: DISPLAY APPARATUS AND CONTROL METHOD FOR DISPLAYING AN OPERATIONAL STATE OF A USER S INPUT

(51) International classification: H04N21/47,G06F3/03,G06F3/048 (71) Name of Applicant: (31) Priority Document No :1020120123774 (32) Priority Date :02/11/2012 (33) Name of priority country :Republic of Korea (86) International Application :PCT/KR2013/009813

:WO 2014/069926

:01/11/2013 Filing Date

(87) International Publication

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

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

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72) Name of Inventor: 1)KIM Min hyung 2)LEE Chang soo

3)LEE Sang hee

#### (57) Abstract:

A display apparatus and a control method thereof for displaying an operational state of a user input device are provided. The display apparatus includes: an image processor configured to process an image signal; a display configured to display an image thereon based on the processed image signal; a user input device configured to receive a user's input; and a controller configured in response to the user s input being received control the display to display thereon a cursor moved in correspondence with a location of the user s input as an icon showing an operational state of the user s input. Thus a user may intuitively recognize the operational state of the user s input and may obtain prompt feedback on the input result without suspending his/her interaction.

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

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: EQUIPMENT DESIGNS FOR APPLYING AGRICULTURAL MANAGEMENT MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:18/12/2013 :WO 2014/100285 :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC Address of Applicant:9330 Zionsville Road, Indianapolis, IN 46268 U.S.A. (72)Name of Inventor: 1)BABCOCK, Jonathan, M.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus and method for applying an agricultural management material to targeted area. Exemplary agricultural management materials include viscous materials. The present invention relates to methods and apparatus for delivering an agricultural management material and in particular to methods and apparatus for delivering a viscous pest control material to targeted substrates including one or more of agricultural crops, plants, structures, and substrates in the proximity thereof.

No. of Pages: 28 No. of Claims: 29

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROCESS FOR PRODUCTION OF MONOSACCHARIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12P 19/14 :2009-270839 :27/11/2009	(71)Name of Applicant: 1)MITSUI CHEMICALS, INC. Address of Applicant:5-2, HIGASHI-SHIMBASHI 1- CHOME, MINATO-KU, TOKYO 105-7117, JAPAN Japan (72)Name of Inventor: 1)KAZUYA MATSUMOTO 2)MASAMI OSABE 3)RYOTA FUJII 4)SEIICHI WATANABE 5)AYAKO ENDO 6)SAKURAKO KIMURA 7)TADASHI ARAKI 8)AKIRA NAKAYAMA
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#### (57) Abstract:

A monosaccharide production method of producing a monosaccharide from a lignocellulosic raw material comprising: obtaining a saccharified liquid obtained from a lignocellulosic raw material and a saccharification enzyme; recovering the saccharification enzyme from the saccharified liquid by allowing the saccharification enzyme to be adsorbed on the lignocellulosic raw material; and saccharifying the lignocellulosic raw material using the recovered saccharification enzyme.

No. of Pages: 29 No. of Claims: 15

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A SYSTEM, COMPUTING DEVICE AND APPLICATION SERVER FOR VOTING

	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:2012904825 :05/11/2012 :Australia :PCT/AU2013/001277 :04/11/2013 :WO 2014/066956 :NA :NA	(71)Name of Applicant:  1)BUTLER, Kyle  Address of Applicant:11A Watson Street, Redwood Park, Sz 5097 Australia (72)Name of Inventor:  1)BUTLER, Kyle	4
(62) Divisional to Application Number :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	:NA		

#### (57) Abstract:

A system for verifying a voter identity in an electronic voting system, the system comprising a data network, a server in communication with the data network, the server comprising a database adapted for storing voter identification data representing identification information of at least one voter; a verifier computing device in communication with the data network and in operable communication with the server; and a voter computing device in communication with the data network and in operable communication with the server; wherein, in use the voter computing device is adapted to receive voter identification data and adapted to send, via the data network, the voter identification data to the server, the server is adapted to store the voter identification data in the database and the verifier computing device is adapted to send, via the data network, successful verification data representing the voter having been successfully verified to the server.

No. of Pages: 44 No. of Claims: 53

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: INPUT METHOD AND SYSTEM

(51) International classification	:G06F3/023	(71)Name of Applicant:
(31) Priority Document No	:201310192770.6	1)XIAOMI INC.
(32) Priority Date	:22/05/2013	Address of Applicant :Floor 13 ,Rainbow City Shopping Mall
(33) Name of priority country	:China	II of China Resources, NO. 68, Qinghe Middle Street, Haidian
(86) International Application No	:PCT/CN2014/072323	District, Beijing 100085 China
Filing Date	:20/02/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/187179	1)LI ,Chuangqi
(61) Patent of Addition to Application	:NA	2)WANG, Fa
Number	:NA	3)QIAN ,Cheng
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed in an embodiment of the present invention are an input method and system for solving the problem of low efficiency in character inputting due to complicated operation in the character status selection process, the method comprising: receiving character input information , and determining an inputted character and the time information related to an input operation according to the character input information; selecting a character status according to the time information and a status switching time threshold; when the time information is long , switching the current character status to another status; when the time information is short , maintaining the current character status; when the time information reaches a certain length , switching the current character status to another status , and locking the switched status , such that a subsequently inputted character remains in the switched status. A character status can be selected simply according to a comparison result of the time information and a status switching time threshold , thus avoiding the complicated operation of switching a character status , and increasing character inputting efficiency.

No. of Pages: 18 No. of Claims: 12

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: DISK BRAKE WITH A PARKING BRAKE MECHANICAL THRUST ASSEMBLY, AND METHOD OF ASSEMBLING

(51) International :F16D55/226,F16D65/18,F16D121/04

classification ... 170D35/220,170D05/16,1710D121/0

(31) Priority Document No :1261935 (32) Priority Date :12/12/2012 (33) Name of priority

(33) Name of priority :France

country

(86) International PCT/EP2013/076010

Filing Date :10/12/2013

(87) International Publication No :WO 2014/090763

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

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

(71)Name of Applicant:

1) CHASSIS BRAKES INTERNATIONAL B.V.

Address of Applicant: Rapenburgerstraat 179/E, NL-1011 Vm

Amsterdam Netherlands (72)Name of Inventor:

1)QIAN, Nan

2)BOURLON, Philippe

## (57) Abstract:

The invention proposes an arrangement containing a brake piston (16) for the operation of at least one disk brake pad and a nut -and -screw unit (44, 46) for producing an axial thrust, from the rear to the front, of the piston (16) ,containing a nut (46) that is arranged in the interior (33) of the piston (16), in relation to which it is secured in order to prevent rotation and inside which it is mounted so as to slide axially, the front axial end face (52) of which interacts with an internal section (54) facing the front wall of the piston (16) in order to push the piston axially (16) towards the front when the screw (44) is driven in a rotating manner in the direction of unscrewing, and a screw (44) containing a front section screwed into the nut (46), an intermediate radial flange and a rear section (66), characterized in that the piston (16) and the screw (44) contain means of centering (90, 92) that interact with one another when the screw (44) is in a predetermined front axial mounting position in relation to the piston (16) in order to center the rear section (66) of the screw (44) radially in relation to the piston (16).

No. of Pages: 29 No. of Claims: 14

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND KIT FOR DETERMINATION OF FREE COPPER IN SERUM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/84 :NA :NA :NA :PCT/EP2012/072063 :07/11/2012 :WO 2014/071973 :NA :NA :NA	(71)Name of Applicant:  1)CANOX4DRUG S.P.A.  Address of Applicant: Via C. Colombo Z.I. sn, 1-70010 Capurso BA Italy (72)Name of Inventor:  1)COLABUFO, Nicola Antonio 2)SQUITTI, Rosanna
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#### (57) Abstract:

The present invention relates to a new method for the determination of free copper in serum. In particular to a method with a high degree of sensitivity and accuracy for the determination of free copper in serum samples of patients with Alzheimer's disease and Wilson's disease and other forms of free copper dyshomeostasis. The invention also relates to kits for the determination of free copper in serum comprising filter devices and coumarin fluorescent probe.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : HIGH EFFICIENCY- RADIATION INDUCED TRIGGERING FOR SET ON COMMAND COMPOSITIONS AND METHODS OF USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/752421 :29/01/2013 :U.S.A. :PCT/US2014/012538 :22/01/2014 :WO 2014/120528 :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES, INC. Address of Applicant:10200 Bellaire Blvd., Houston, TX 77072 U.S.A. (72)Name of Inventor:  1)BALDASARO, Nicholas 2)GUPTA, Vijay 3)LEWIS, Samuel 4)Not applicable 5)Not applicable
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Compositions and methods for hydrocarbon exploration and production operations, such as subterranean cementing operations that allow for greater control over the setting of fluids or slurries used during such operations including placing a sealant composition having a polymerizable additive into a wellbore penetrating a subterranean formation, and subjecting the sealant composition to a radiation dose of from about 1 to about 1000 grays, so as to form a seal therein.

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

(21) Application No.4714/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: DISPLAYING WINDOWS ON A TOUCHSCREEN DEVICE

(51) International classification :G06F3/048,G06F3/041,G06F3/14 (71) Name of Applicant : :13/710397 1)GOOGLE INC. (31) Priority Document No (32) Priority Date :10/12/2012 Address of Applicant: 1600 Amphitheatre Parkway, Mountain (33) Name of priority country View .CA 94043 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/073189 No 1) KUHNE , Stefan :04/12/2013 Filing Date (87) International Publication :WO 2014/093105 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A system and machine- implemented method for displaying windows on a touchscreen device. Plural graphical objects are displayed on a touchscreen of the touchscreen device, each graphical object being associated with an application. Multiple touch presses that are at least partially overlapping in time are detected on the touchscreen, each touch press corresponding to a respective one of the plural graphical objects. The applications associated with the graphical objects corresponding to the multiple touch presses are identified. A release of the multiple touch presses is detected. In response to detecting the release, a display arrangement to reduce overlapping of windows for the identified applications is determined. The windows for the identified applications are displayed on the touch screen based on the determined display arrangement.

No. of Pages: 33 No. of Claims: 20

(21) Application No.4715/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: A METHOD FOR BOOTING A HOST DEVICE FROM A PERIPHERAL DEVICE. A BOOTABLE HOST DEVICE AND A PERIPHERAL DEVICE CONFIGURED TO BOOT A HOST DEVICE

(51) International classification :G06F13/00
(31) Priority Document No :11/333,799
(32) Priority Date :17/01/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2006/0

Filing Date :27/11/2006

(87) International Publication No :WO2007/083179

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

(62) Divisional to Application Number :6116/DELNP/2008 Filed on :11/07/2008 (71)Name of Applicant:

1)MEMORY TECHNOLOGIES LLC,

Address of Applicant :6787 W. TROPICANA AVE, SUITE 238, LAS VEGAS, NEVADA 89102, UNITED STATES OF

:PCT/IB2006/003371 | AMERICA U.S.A.

(72)Name of Inventor: 1)MYLLY,KIMMO

2)AHVENAINEN, MARKO

#### (57) Abstract:

A method to boot a host device from a peripheral device, the peripheral device including an MMC/SD-interface with power terminals, a data bus with data bus terminals, a clock line with a clock terminal, and a command line with command terminal, the method comprising: sending an argument associated with a boot request, from the host device to the peripheral device via the MMC/SD-interface; sending a clock signal to the clock line; and monitoring the data bus for a start bit of a data transmission.

No. of Pages: 35 No. of Claims: 24

(21) Application No.4716/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: PERFUME SYSTEMS

(51) International :C11B9/00,A61Q11/00,C07D493/08 classification

(31) Priority Document No :61/734024 (32) Priority Date :06/12/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/073207

Application No :05/12/2013 Filing Date

(87) International Publication :WO 2014/089254

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

:NA Filing Date

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

(71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza, Cincinnati Ohio 45202 U.S.A.

(72)Name of Inventor:

1) DENUTTE, Hugo , Robert Germain

2)PINTENS, An 3)SMETS, Johan

4) VRIELYNCK , Freek , Annie Camiel

5) VAN AKEN, Koen

### (57) Abstract:

The present application relates to perfume raw materials, perfume delivery systems and consumer products comprising such perfume raw materials and/or such perfume delivery systems, as well as processes for making and using such perfume raw materials, perfume delivery systems and consumer products. Such perfume raw materials and compositions, including the delivery systems, disclosed herein expand the perfume communities options as such perfume raw materials can provide variations on character and such compositions can provide desired odor profiles.

No. of Pages: 57 No. of Claims: 15

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: TARGETED CONJUGATES ENCAPSULATED IN PARTICLES AND FORMULATIONS THEREOF

(51) International classification :A61K47/48,A61K9/51,B82Y5/00 (71)Name of Applicant : 1)BLEND THERAPEUTICS, INC. (31) Priority Document No :61/746866 (32) Priority Date :28/12/2012 Address of Applicant: 134 Coolidge Avenue, Watertown, MA (33) Name of priority country :U.S.A. 02472 U.S.A. (72) Name of Inventor: (86) International Application :PCT/US2013/078361 1)BILODEAU, Mark, T. :30/12/2013 Filing Date 2)KADIYALA ,Sudhakar (87) International Publication 3)SHINDE, Rajesh :WO 2014/106208 4)WHITE, Brian (61) Patent of Addition to 5)WOOSTER, Richard :NA **Application Number** 6)BARDER, Timothy, Edward :NA Filing Date 7)Not applicable (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Particles, including nanoparticles and microparticles, and pharmaceutical formulations thereof, containing conjugates of an active agent such as a therapeutic, prophylactic, or diagnostic agent attached to a targeting moiety via a linker have been designed which can provide improved temporospatial delivery of the active agent and/or improved biodistribution. Methods of making the conjugates, the particles, and the formulations thereof are provided. Methods of administering the formulations to a subject in need thereof are provided, for example, to treat or prevent cancer or infectious diseases.

No. of Pages: 107 No. of Claims: 41

(21) Application No.4723/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AN ADAPTABLE OSTOMY BASE PLATE

(51) International classification	:A61F5/445,A61F5/448	(71)Name of Applicant:
(31) Priority Document No	:PA 2012 70765	1)COLOPLAST A/S
(32) Priority Date	:06/12/2012	Address of Applicant :Holtedam 1, DK -3050 Humlebaek
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/DK2013/050412	(72)Name of Inventor:
Filing Date	:05/12/2013	1)NYBERG, Ren Ferm
(87) International Publication No	:WO 2014/086369	
(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 an adaptable ostomy base plate (10) comprising a flexible top film (8), at least one elastic adhesive (6) disposed on the top film and at least one release liner (9), the base plate having at least a first convex section (1) that can be inverted to a concave section to be used for especially demanding skin surface conditions, such as in ostomists suffering from hernia.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : AN AUTOMATED DEVICE FOR THE APPLICATION OF AGRICULTURAL MANAGEMENT MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:18/12/2013 :WO 2014/116375 :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant:9330 Zionsville Road, Indianapolis, IN 46268 U.S.A. (72)Name of Inventor:  1)KAVARDINAS,Nick
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An apparatus and method for applying an agricultural management material to targeted area. Exemplary agricultural management materials include viscous materials. The present invention relates to methods and apparatus for delivering an agricultural management material and in particular to methods and apparatus for delivering a viscous pest control material to targeted substrates including one or more of agricultural crops, plants, structures, and substrates in the proximity thereof.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : CONTROL SYSTEM MASTER PROGRAMMABLE CONTROLLER, SLAVE PROGRAMMABLE CONTROLLER, AND 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</li> </ul> Number	:G05B19/05 :NA :NA :NA :PCT/JP2013/050121 :08/01/2013 :WO 2014/108999 :NA :NA	(71)Name of Applicant:  1)FUJI ELECTRIC CO. LTD.  Address of Applicant: 1 1 Tanabeshinden Kawasaki ku Kawasaki shi Kanagawa 2109530 Japan (72)Name of Inventor:  1)YUO Yukiteru 2)FUJIMORI Akira
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a control method which performs control using a plurality of control units which combine a controlled apparatus (130) with a programmable controller (120), the programmable controller setablish communication with one another, and share data using common memory. In addition, a master programmable controller, upon receiving a reception completion frame which is a response to a transmission delay time request frame, calculates a transmission delay time on the basis of the difference between the time when the transmission delay time request frame was transmitted and the time when the reception completion frame was received, and transmits a transmission delay time notification frame including the transmission delay time to a slave programmable controller, whereupon the slave programmable controller, upon receiving the transmission delay time notification frame, and on the basis of the transmission delay time, synchronizes the slave programmable controller with the master programmable controller.

No. of Pages: 54 No. of Claims: 17

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : APPLICATION DEVICE DESIGNS FOR APPLYING AGRICULTURAL MANAGEMENT MATERIALS TO TARGETED SUBSTRATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B05B9/04 :61/739605 :19/12/2012 :U.S.A. :PCT/US2013/076301 :18/12/2013 :WO 2014/113180 :NA :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant:9330 Zionsville Road, Indianapolis, IN 46268 U.S.A. (72)Name of Inventor:  1)SCHERER, Peter, N. 2)GOMEZ, Luis, E. 3)QUIN, Kuide
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#### (57) Abstract:

An apparatus and method for applying an agricultural management material to targeted area. Exemplary agricultural management materials include viscous materials. The present invention relates to methods and apparatus for delivering an agricultural management material and in particular to methods and apparatus for delivering a viscous pest control material to targeted substrates including one or more of agricultural crops, plants, structures, and substrates in the proximity thereof.

No. of Pages: 21 No. of Claims: 18

(21) Application No.4599/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SOLUBLE POUCH COMPRISING HUEING DYE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:C11D3/40,C11D3/43,C11D11/00 :61/734072 :06/12/2012 :U.S.A. :PCT/US2013/073475	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor:  1)LABEQUE Regine
Filing Date (87) International Publication	:06/12/2013	2)MIRACLE Gregory Scot
No (61) Patent of Addition to	:WO 2014/089386 :NA	
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present application also relates to a water soluble pouch comprising at least one compartment the pouch comprising a water soluble film encapsulating a composition said composition comprising a negatively charged hueing dye and a solvent system comprising a primary solvent having a Hansen solubility (d) of less than 29.

No. of Pages: 33 No. of Claims: 14

(21) Application No.4744/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

### (54) Title of the invention: METHOD AND DEVICE FOR TREATING OR PROCESSING CONTAINERS FOR SUBSTANCES FOR MEDICAL PHARMACEUTICAL OR COSMETIC APPLICATIONS

(51) International :A61M5/00,B65B35/38,B65B43/59

classification

:10 2012 110 866.8

(31) Priority Document No (32) Priority Date

:12/11/2012

(33) Name of priority country: Germany (86) International Application :PCT/EP2013/003164

No

Filing Date

:21/10/2013

(87) International Publication

:WO 2014/072019

:NA

:NA

:NA

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

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1)SCHOTT AG

Address of Applicant: Hattenbergstrasse 10, 55122 Mainz

Germany

(72) Name of Inventor:

1)WISSNER, Kai

2)WASSENBERG, Jrn

3) DEUTSCHLE, Fritz Gregor

4) WANSEL, Alexander

#### (57) Abstract:

The invention relates to a method for treating or processing containers (2) that can be used for storing, or that contain, substances for medical, pharmaceutical or cosmetic applications, said containers being automatically guided past or passing through at least one processing station by means of a conveyor device, for the purpose of treatment or processing. In said method, a plurality of containers (2) are conveyed by the conveyor device while being held together on a carrier (25; 134) in a regular arrangement. The containers held on the carrier are lifted for treatment or processing into a raised position on or in the processing station in question, and then lowered again following treatment or processing so as to be held on the carrier in the regular arrangement. The carrier is designed such that the containers can be held thereupon throughout the entire method. A negative pressure preferably acts on the bases of the containers in order to lower them.

No. of Pages: 100 No. of Claims: 36

(21) Application No.4745/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A FERMENTATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(filing Date</li> </ul> <li>(filing Date</li>	:C12P7/06,C12P7/40,C12M1/107 :NA :NA :NA :PCT/NZ2012/000226 :05/12/2012 :WO 2014/088427 :NA :NA	(71)Name of Applicant:  1)LANZATECH NEW ZEALAND LIMITED Address of Applicant:24 Balfour Road, Parnell, Auckland ,1052 New Zealand (72)Name of Inventor: 1)BENKWITZ, Frank 2)MIHALCEA, Christophe 3)HAVILL, Alice
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## (57) Abstract:

This invention relates generally to method for producing products, particularly alcohols, by microbial fermentation. In particular the invention relates to methods for increasing the efficiency of the fermentation, by providing a method for treating the used fermentation broth to produce a treated permeate which is then passed back to the bioreactor. The invention provides a method whereby at least one treatment step used to treat the permeated, produces a gaseous product which is then used in one or more stages of the fermentation process.

No. of Pages: 58 No. of Claims: 15

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: 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> </ul>	:H02K21/04 :10 2012 223 705.4 :19/12/2012 :Germany :PCT/EP2013/077222 :18/12/2013 :WO 2014/096091 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20, 70442 Stuttgart  Germany (72)Name of Inventor:  1)WOLF, Gert  2)WEBER, Gerlinde  3)SHENDI, Alexander
Number		() () () () () () () () () () () () () (
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electric machine (10) comprising a stator (16) that has a stator core (17). Said core has a substantially cylindrical opening (60) having a central axis (63), an internal diameter (D17i) and an external diameter (D17a) and the opening (60) accommodates a rotor (20). The stator core (17) has an axial length (L17a) and said core (17) holds a stator winding (18) together with the rotor (20) which has a rotational axis (66). The rotor (20) has an axial end face (69), on which a fan (30) with fan blades (72) is located and is non- rotatably connected to the rotor (20). The rotor (20) has an electromagnetically excitable path (75) having a pole shank (78), a respective pole plate (22, 23) adjoining each axially rotational end (80, 82) of said shank. Claw poles (24) having a north polarity extend from one pole plate (22) and claw poles (25) having a south polarity extend from the other pole plate (23), said claw poles (24, 25) alternating between north and south polarities around the periphery of the rotor (20). The electromagnetic path (75) between two opposite- facing sides (69, 90) of the pole plates (22, 23) has an axially rotational length (L75), the ratio of the axial length (L17a) of the stator core (17) to the axially rotational length (L75) of the electromagnetic path (75) of the rotor (20) being between 0.68 and 1.0. The pole shank (78) has a diameter (D78) and an axially rotational length (L78), and a ratio of the axially rotational length (L78) of the pole shank (78) to the diameter (D78) of the pole shank (78) is between 0.21 and 0.36. The ratio of the internal diameter (D17i) of the stator core (17) to the external diameter (D17a) of the stator core (17) is greater than 0.788 and less than 0.854.

No. of Pages: 23 No. of Claims: 8

(21) Application No.4588/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CAPACITIVELY COUPLED ELECTRIC FIELD CONTROL DEVICE

(51) International classification :G02B1/00,G02B3/12,G02B5/00 (71)Name of Applicant :

(31) Priority Document No :61/725021 (32) Priority Date :11/11/2012

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

(86) International Application No:PCT/CA2013/050862

Filing Date :12/11/2013

(87) International Publication No :WO 2014/071530

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

NA
:NA
:NA

Number :NA Filing Date

Filling Date

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

Address of Applicant :677 Palomar Ave Sunnyvale California

94085 U.S.A.

(72)Name of Inventor: 1)GALSTIAN Tigran

## (57) Abstract:

A spatially non uniform electrode structure is proposed for controlling a spatially non uniform electric field driving a tunable liquid crystal lens. The spatially non uniform electrode structure enables the generation of a predetermined spatially non uniform electric field profile where complex capacitive coupling between multiple different electrically floating neighboring electrode segments is employed for the generation of the electrical field of desired form by supplying an initial electric potential to a limited number of electrodes.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : SAND FOR CASTING MOLD , MANUFACTURING METHOD FOR SAND CASTING MOLD, AND CORE FOR METAL CASTING

		(71)Name of Applicant:
		1)SINTOKOGIO LTD.
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B22C1/02,B22D21/04 :2012253658 :19/11/2012 :Japan :PCT/JP2013/080314 :08/11/2013 :WO 2014/077203 :NA :NA :NA	Address of Applicant : 11 11 Nishiki 1 chome Naka ku

### (57) Abstract:

Provided is a sand for a casting mold that includes sand (1), a binder (2), and inorganic compound particles (3) that are water insoluble and generate a gas (4A) (at least one of steam and carbon dioxide gas) due to the heat of molten metal.

No. of Pages: 27 No. of Claims: 19

(21) Application No.4741/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A PLAYING AID FOR STRINGED INSTRUMENTS

<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>	:G09B15/06 :GB1219953.5 :06/11/2012 :U.K.	(71)Name of Applicant:  1)EVERETT, Kenneth Walter  Address of Applicant: 65 Chamberlain Road, Highfield, Southampton SO17 1PQ U.K.
(86) International Application No Filing Date	:21/10/2013	(72)Name of Inventor: 1)EVERETT ,Kenneth Walter
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2014/072669 :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A playing aid for a stringed instrument comprises an alignment means arranged in use to be located on the neck of the instrument. The alignment means comprises a linear alignment element arranged in use to extend substantially parallel to the longitudinal axis of the neck of the instrument. The aid further comprises a glider comprising having a collar arranged to receive a part of the player s hand. The aid further comprises a coupling means arranged to couple the glider slid -ably to the linear alignment element of the alignment means.

No. of Pages: 40 No. of Claims: 22

(22) Date of filing of Application :01/06/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: NEUROTENSIN RECEPTOR LIGANDS

(51) International

:C07D231/14,C07D403/12,A61K31/415

classification

(31) Priority Document

:12008208.6

(32) Priority Date :07/12/2012

(33) Name of priority country

:EPO

(86) International

:PCT/EP2013/003700

Application No Filing Date

:06/12/2013

(87) International Publication No

:WO 2014/086499

(61) Patent of Addition to :NA

:NA

**Application Number** Filing Date

(62) Divisional to :NA Application Number :NA

Filing Date

(71)Name of Applicant:

1)3B PHARMACEUTICALS GMBH

Address of Applicant: Magnusstrasse 11, 12489 Berlin

Germany

(72) Name of Inventor:

1)OSTERKAMP, Frank

2)SMERLING, Christiane

3) REINEKE, Ulrich

4) HAASE, Christian

5)UNGEWI, Jan

## (57) Abstract:

The present invention is related to a compound of formula (I) wherein R1 is selected from the group consisting of hydrogen, methyl and cyclopropylmethyl; AA- COOH is an amino acid selected from the group consisting of 2- amino- 2- adamantane carboxylic acid, cyclohexylglycine and 9- amino -bicyclo[3.3.1]nonane 9- carboxylic acid; R2 is selected from the group consisting of (Ci-C6)alkyl, (C3- C8)cycloalkyl, (C3- C8)cycloalkylmethyl, halogen, nitro, and trifluoromethyl; ALK is (C2- C5)alkylidene; R3, R4 and R are each and independently selected from the group consisting of hydrogen and (Ci-C4)alkyl under the proviso that one of R3, R4 and R5 is of the formula (II) wherein ALK is (C2-C5)alkylidene; R 6is selected from the group consisting of hydrogen and (Ci-C4)alkyl; and R7 is selected from the group consisting of H and an Effector moiety; or a pharmacologically acceptable salt, solvate or hydrate thereof.

No. of Pages: 157 No. of Claims: 30

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention : METHOD FOR MELTING POWDER COMPRISING HEATING OF THE AREA ADJACENT TO THE BATH

(51) International classification :B22F3/10,B22F3/105,B29C67/00 (71) Name of Applicant : (31) Priority Document No :1203258 1)MBDA FRANCE (32) Priority Date Address of Applicant: 37 boulevard deMontmorency, F-75016 :30/11/2012 (33) Name of priority country Paris France :France (86) International Application (72) Name of Inventor: :PCT/FR2013/052906 1) COLIN, Christophe :29/11/2013 Filing Date 2)FROMENTIN, Jean -Fran§ois (87) International Publication 3)SAUSSEREAU, Grard :WO 2014/083292 (61) Patent of Addition to :NA **Application Number** 

(57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

The invention relates to a method for manufacturing a part , involving the following steps: (a) providing a material in the form of powder particles (60), (b) heating a first quantity of this powder to a temperature higher than the melting point TF of said layer using a high energy beam (95) and forming , at the surface of a support member (80) a first bath comprising this melted powder and a portion of the support member (80), (c) heating , likewise, a second quantity of the powder and forming , at the surface of the support member (80) a second bath comprising this melted powder downstream of the first bath , (d) repeating step (c) until a first layer (10) of the part is formed on the support member (80), (e) heating, likewise , an [n]th quantity of powder , and forming an [n]f bath comprising this melted powder above a portion of the first layer (10), (f) heating , likewise , an [n+1]th quantity of the powder and forming an [n+1] bath comprising this melted powder downstream of the [n]f bath, (g) repeating step (f) in order to form a second layer (20) of the part above the first layer (10), (h) repeating steps (e) to (g) for each layer located above an already formed layer until the part has reached substantially the final form thereof. At least during the formation of each of the baths (102), back- up heating is used to heat the material located in an area adjacent to the bath (102), said area comprising at least one region selected between the region upstream (101) of the bath (102) and the region downstream (103) of the bath (102), to a temperature lower than the melting point T.

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

(21) Application No.4614/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

(54) Title of the invention: POWER ROUTER POWER NETWORK SYSTEM METHOD FOR CONTROLLING OPERATION OF POWER ROUTER AND NON TEMPORARY COMPUTER READABLE MEDIUM STORING PROGRAM FOR CONTROLLING OPERATION OF POWER ROUTER

:H02J13/00,H02J3/00,H02J3/32 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012269068 (32) Priority Date :10/12/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/005618

Filing Date :24/09/2013 (87) International Publication No: WO 2014/091646

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

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

## 1)NEC CORPORATION

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

1088001 Japan

(72) Name of Inventor: 1)OKABE Toshiya

In the present invention when building a power network system in which power cells are connected to each other asynchronously the management or control of a power router is suitably performed. A first leg (11) to a fourth leg (14) have one end connected to a DC bus (101) and another end connected to an external connection partner as an external connection terminal and have the function of converting power in both directions. A control unit (19) controls the operation of the first leg (11) to the fourth leg (14). The control unit (19) has a recording unit (191) and a CPU (192). The recording unit (191) has a leg identification information database (194) that contains identification information for the first leg (11) to the fourth leg (14). The CPU (192) refers to the identification information in the leg identification information database (194) and outputs an operation instruction to a leg that is the instruction destination.

No. of Pages: 66 No. of Claims: 25

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : EMF PROBE CONFIGURATIONS FOR ELECTRO-MODULATION OF IONIC CHANNELS OF CELLS AND METHODS OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:11/03/2011 :WO 2011/038122	(71)Name of Applicant:  1)WEINSTOCK, RONALD, J.  Address of Applicant: C/O MELVIN K. SILVERMAN & ASSOCS., P.C. 500 WEST CYPRESS CREEK ROAD, SUITE 350 FORT LAUDERDALE, FL 33309 USA U.S.A. (72)Name of Inventor:  1)WEINSTOCK, RONALD, J.
(61) Patent of Addition to Application Number Filing Date	:WO 2011/038122 :NA :NA	1)WEINSTOCK, RONALD, J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for pattern recognition of cell and tissue malfunction and for treatment of such malfunction is presented. When a malfunction is recognized by a search signal or field, it is expressed as a waveform and an audio transform thereof. A malfunction pattern generally appears as a weak or static signal and, in audio terms, as a screeching sound. A complex EM wave and energy pattern is then re-iteratively applied to the location of the malfunction pattern until the pattern is normalized. A normalized pattern appears as a stronger more uniform waveform and a lower pitched audio of uniform amplitude. The mechanism of action of the process entails the correction of voltaic gradient errors across ionic channels of cells of tissues that are afflicted. Different conditions implicate different channels and cells. The system corrects undesirable voltage gradients across the cell membranes to restore normal flow of one or more categories of anions in or out of channels of cell membranes.

No. of Pages: 53 No. of Claims: 16

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SYSTEM AND METHOD FOR DETACHMENT OF CELLS IN FIXED BED REACTORS

(71)Name of Applicant: (51) International classification :C12M1/00,C12M3/00 1)ATMI PACKAGING, INC. (31) Priority Document No :61/735841 Address of Applicant: 1085 1 Louisiana Avenue South, (32) Priority Date :11/12/2012 Bloomington, MN 55438 U.K. (33) Name of priority country :U.S.A. 2)ATMI BVBA (86) International Application No :PCT/US2013/074298 3)ARTELIS, S.A. Filing Date :11/12/2013 (72)Name of Inventor: (87) International Publication No :WO 2014/093439 1)PURUSHOTHAMAN, Suresh (61) Patent of Addition to Application :NA 2) CASTILLO GONZALEZ, Jose, Antonio Number :NA 3)DRUGMAND, Jean-christophe Filing Date 4)PETHE, Vishwas (62) Divisional to Application Number :NA 5)PENDLEBURY, Derek Filing Date :NA 6)MONCAUBEIG ,Fabien

## (57) Abstract:

An apparatus for processing cells is disclosed. In one embodiment, a fixed bed reactor is provided for the cells, the fixed bed reactor including a portion movable from a first position corresponding to a packed condition of the fixed bed to a second position corresponding to a depacked condition of the fixed bed. Movement of the partition facilitates harvesting of the cells therefrom. Related apparatus, kits, methods, and systems are also disclosed.

No. of Pages: 39 No. of Claims: 79

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: RECIPIENT FOR CELL CULTIVATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12M3/00 :61/735841 :11/12/2012 :U.S.A. :PCT/US2013/074307 :11/12/2013 :WO 2014/093444 :NA :NA	3)ATMI BVBA (72)Name of Inventor: 1)DRUGMAND ,Jean -Christophe 2)CASTILLO GONZALEZ, Jose ,Antonio 3)PETHE ,Vishwas
Number		2)CASTILLO GONZALEZ, Jose ,Antonio

#### (57) Abstract:

A recipient for cell cultivation having an inner compartment adapted for cell growth, in one embodiment, an outer tubular wall extends in a longitudinal direction and delimits an outer boundary of the inner compartment in a radial direction. First and second ends delimit the inner compartment at the first respectively the second outer end of the outer tubular wail. A fixed packing in the inner compartment comprises a packing ,such as a fiber matrix. Additional embodiments and related methods are also disclosed.

No. of Pages: 60 No. of Claims: 96

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HAIR IMPLANT ANCHORS AND SYSTEMS AND METHODS FOR USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61B 17/34 :61/283,045 :27/11/2009 :U.S.A. :PCT/IL2010/000983 :24/11/2010 :WO 2011/064772 :NA :NA	(71)Name of Applicant:  1)HAIRSTETICS LTD.  Address of Applicant: P.O. B 3010, OMER INDUSTRIAL PARK, OMER 84965, ISRAEL; Israel (72)Name of Inventor:  1)KEREN, DVIR 2)SHENHAV, BOAZ
6	:NA :NA	

#### (57) Abstract:

A hair implant anchor usable with a hair implant anchor deployment device for inserting one or more hairs into a tissue portion. The hair implant anchor includes a holder configured to grip one or more hairs and one or more selectably deployable leaves formed with the holder. When the anchor is in its first configuration prior to implantation of the hairs, the leaves are constrained by the deployment device in a position generally parallel to an insertion axis, and in a second configuration, subsequent to implantation of the hair, the leaves adopt a position extended away from the insertion axis, thereby securing the holder and hair gripped thereby within the tissue portion. The invention also provides a method for use of the anchor, a hair implantation system, a multi-hair implantation system and a hair implantation assembly.

No. of Pages: 39 No. of Claims: 29

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: ANTI TAMPER METHOD AND PACKAGING FOR IMPORTANT AND VALUABLE ITEMS

(51) International :B65D85/00,A45C11/16,B65D50/00

classification

(31) Priority Document No :2012156941 (32) Priority Date :26/12/2012 (33) Name of priority country: Russia

(86) International :PCT/RU2013/001135

Application No :18/12/2013 Filing Date

(87) International Publication :WO 2014/104936

(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)SOKOL Konstantin Pavlovich

Address of Applicant :pr t. Sotsialisticheskiy 130 kv. 41

Altaysky kray g. Barnaul 656015 Russia

(72) Name of Inventor:

1)SOKOL Konstantin Pavlovich

## (57) Abstract:

The group of inventions relates to packaging for preventing unauthorized access to valuable items. In a method and a packaging a protective means is designed to deteriorate when the packaging is opened. The protective means is disposed in a structure of seamlessly connected layers of packaging material wherein the surfaces of each of the elements of the packaging which come into contact when joined are configured parallel to one another or at an angle of inclination of 0.01 90.0° to one another and are provided with a locking connection in the form of a stepped connection between the contacting surfaces wherein at least one of the surfaces of the locking connection is provided with at least one additional protective means which deteriorates upon tampering. The inventions provide for the manufacture of packaging with improved reliability for articles of various forms.

No. of Pages: 21 No. of Claims: 12

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention : FLAME -RETARDANT PLANAR BODY ,CARPETING RESISTANT TO GENERATING HAZARDOUS GASES THAT USES SAID FLAME- RETARDANT PLANAR BODY, AND METHOD FOR PRODUCING SAID CARPETING RESISTANT TO GENERATING HAZARDOUS GASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A47G27/02,B60N3/04 :2012260320 :08/11/2012 :Japan :PCT/JP2013/080842 :08/11/2013 :WO 2014/073710 :NA :NA	(71)Name of Applicant:  1)YOSHIDAFUSA ORIMONO CO., LTD.  Address of Applicant:13-36, Itaharacho 1-chome, Izumiotsu-shi, Osaka 595-0033 Japan (72)Name of Inventor:  1)YOSHIDA, Fusaki
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#### (57) Abstract:

The present invention provides: a completely new flame- retardant planar body that has optimum cushioning properties pliability, and elasticity while being improved in the function of being resistant to generating hazardous gases by being provided with flame retardancy, fire resistance, and also flame resistance; a carpeting resistant to generating hazardous gases that uses said flame retardant planar body; and a method for producing said carpeting resistant to generating hazardous gases. This flame -retardant planar body is characterized by comprising: a flexible planar main body that is usable as a carpeting, etc., resistant to generating hazardous gases; and a thermoplastic resin layer provided on one surface and/or the other surface of the flexible planar main body, the thermoplastic resin layer including at least an inorganic substance, such as sodium polyborate, and also being provided with an acetyl group and/or low-temperature characteristics.

No. of Pages: 41 No. of Claims: 16

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: FLOATING BUOY TURNOVER HYDRAULIC POWER OUTPUT DEVICE

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (33) Name of priority country Filing Date (34) International Application No Filing Date (35) International Application No Septimber (36) International Application No Septimber (37) Name of Inventor: (38) Fuzhou Road ,Donghu Nanchang ,Jiangxi 330096 C (72) Name of Inventor: (73) Name of Inventor: (74) Name of Inventor: (74) Name of Inventor: (74) N	TT/CN2013/086526 (72)Name of Inventor: 11/2013 1)ZHANG ,Weiguo  1)ZHANG ,Weiguo	
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#### (57) Abstract:

A floating turnover hydraulic power output device, comprising a buoy (1), an outer frame support (2), a base (35, 36), a power turnover mechanism (27), and a hydraulic actuator (41); the upper end and lower end of the buoy (1) are respectively provided with an upper connecting rod (5) and a lower connecting rod (6) respectively connected with the pistons (7, 8) of two hydraulic cylinders (3, 4) on the upper part and lower part of the outer frame support (2); the oil inlets and outlets of the hydraulic cylinders (3, 4) are respectively installed with one way valves (13, 14, 15, 16); the one- way valves (13, 14, 15, 16) are respectively connected to a hydraulic oil tank (40) and a high pressure accumulator (42) via high pressure oil pipes (17, 18); the outer frame support (2) is a permeable structure; a rotary shaft (23, 24) is installed in the middle of the outer frame support (2), and is slidably connected to the outer frame support (2); and the power turnover mechanism (27) is connected to the rotary shaft (23, 24). The device can continuously and circularly rotate around the rotary shafts under a small external force, and can release the buoy during the rotation to convert buoyancy potential energy into hydraulic energy. The combined use of multiple sets of the devices can continuously force hydraulic oil into a high pressure accumulator for direct use.

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

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

# $(54) \ Title \ of \ the \ invention: 4-[2[[5-METHYL-1-(2-NAPHTALENYL)-1H-PYRAZOL-3-YL]OXY]ETHYL] \ MORPHOLINE \ SALTS$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:25/11/2010 :WO 2011/064315	(71)Name of Applicant:  1)LABORATORIOS DEL DR. ESTEVE., S.A Address of Applicant: AVDA. MARE DE DEU DE MONTSERRAT, 221, E-08041 BARCELONA (ES). Spain (72)Name of Inventor:  1)CUBERES-ALTISENT, MARIA ROSA 2)SOLA-CARANDELI., LLUIS 3)GARCIA-COUCEIRO, URKO
(87) International Publication No	, , ,	2)SOLA-CARANDELI., LLUIS

#### (57) Abstract:

The present invention relates to 4-[-2-[[5-methyl-1-(2-naphthalenyl)-1H-pyrazol-3-yl]oxy]ethyl]morpholine salts, specifically to the hydrochloride, to pharmaceutical compositions comprising them, and to their use in therapy and/or prophylaxis of sigma receptor associated diseases.

No. of Pages: 53 No. of Claims: 7

(21) Application No.4608/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: NUTRITIONAL COMPOSITIONS CONTAINING MAGNESIUM THREONATE AND USES **THEREOF**

(51) International :A23L1/304,A23L1/29,A61K31/198

classification

:13/739813 (31) Priority Document No (32) Priority Date :11/01/2013 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2013/074539

No :12/12/2013 Filing Date

(87) International Publication :WO 2014/109863

(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)MJN U.S. HOLDINGS LLC

Address of Applicant :2701 Patriot Blvd. 4th Floor Glenview

Illinois 60026 U.S.A. (72) Name of Inventor: 1)BERG Brian

(57) Abstract:

The present disclosure relates to nutritional composition(s) comprising a carbohydrate source a protein source a fat source and magnesium threonate. Magnesium threonate may provide neurological health benefits when consumed. The disclosure further relates to methods of promoting neurological health by providing a nutritional composition comprising magnesium threonate. Additionally the disclosure relates to methods of promoting GI tolerance in a pediatric subject by providing a nutritional composition comprising magnesium threonate.

No. of Pages: 25 No. of Claims: 20

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

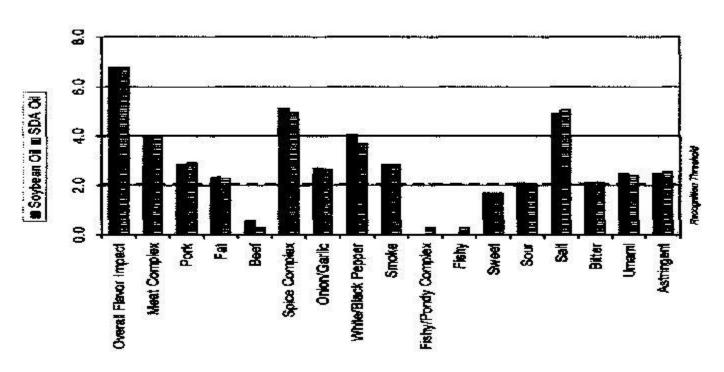
## (54) Title of the invention: OMEGA-3 FATTY ACID ENRICHED MEAT COMPOSITIONS

A23L 1/31	(71)Name of Applicant:
61/287,477	1)SOLAE, LLC
17/12/2009	Address of Applicant :4300 DUNCAN AVENUE, ST.
U.S.A.	LOUIS, MISSOURI 63110, U.S.A. U.S.A.
PCT/US2010/061088	(72)Name of Inventor:
17/12/2010	1)LEE, SEOK
WO 2011/084698	2)LUCAK, CANDICE
NA NA	3)ORCUTT, MAC W.
NA NA	
61 U F 1 N	51/287,477 7/12/2009 J.S.A. PCT/US2010/061088 7/12/2010 WO 2011/084698 JA JA

#### (57) Abstract:

The present invention relates to compositions and methods for producing a meat composition with a quantity of long chain fatty acids. Specifically, the meat composition comprises a quantity of stearidonic acid enriched soybean ingredient that imparts improved nutritional quality with a quantity of long chain fatty acids, but retains the mouthfeel, flavor, odor, and other sensory characteristics associated with typical meat compositions.

FIG. 1



No. of Pages: 63 No. of Claims: 11

(21) Application No.4609/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

caused by the bonding process causes a change of configuration of the one or more indicator pits (11).

#### (54) Title of the invention: MICROFLUIDIC DEVICE

(51) International classification:B81C3/00,B29C65/82,G01B11/16 (71)Name of Applicant:

(31) Priority Document No :13159238.8 (32) Priority Date :14/03/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/052848

No

:13/02/2014 Filing Date

(87) International Publication

:WO 2014/139751 (61) Patent of Addition to

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

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

(57) Abstract:

1)SONY DADC AUSTRIA AG

Address of Applicant : Sonystrasse 20 Anif A 5081 Salzburg

Austria

(72) Name of Inventor:

1)REITER Gottfried 2)BOROVIC Dario

polymer material the first (102) and second (104) substrates having respective bonding surfaces(23 41) at least one of the bonding surfaces (41) having channel formations (14) so that when the bonding surfaces (23 41) are bonded by surface deformation to one another the bonded first and second substrates (102 104) and the channel formations (14) form at least part of a microfluidic channel network comprising a plurality of microfluidic channels wherein one or more indicator pits (11) separate to the channel formations (14) defining the microfluidic channel network are formed in at least one of the bonding surfaces (23 41) so that surface deformation

A microfluidic device comprises a first substrate (102) made of a first polymer material and a second substrate (104) made of a second

No. of Pages: 33 No. of Claims: 21

(21) Application No.4764/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

:NA

## (54) Title of the invention : PARANASAL SINUS ACCESS IMPLANT DEVICES AND RELATED TOOLS METHODS AND KITS

:A61F9/007,A61M27/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/757046 1)SINOPSYS SURGICAL, INC. (32) Priority Date Address of Applicant: 1110 Linden Avenue, Boulder :25/01/2013 (33) Name of priority country Colorado 80304 U.S.A. :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2014/012995 Filing Date :24/01/2014 1) WILLOUGHBY, Brian James (87) International Publication No :WO 2014/116980 2)OLIVER, Christopher Lee (61) Patent of Addition to Application 3)ROSS, Harry :NA Number 4)CIMINO, William W. :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

A paranasal sinus access implant device to provide an artificial fluid path in fluid communication with the lacrimal apparatus may be implanted through a fistula opening into the lacrimal apparatus. The implant device may have a conduit with a first longitudinal portion having a larger minimum wall thickness than a minimum wall thickness of a second a second longitudinal portion of the conduit located distal of the first longitudinal portion. Various kits may include a paranasal sinus access implant device and one of more other components for a procedure involving implantation. A method involves use of a cutting tool to cut away tissue to prepare a fistula sized for implantation.

No. of Pages: 67 No. of Claims: 39

(22) Date of filing of Application :24/05/2012

(43) Publication Date: 27/11/2015

## (54) Title of the invention: DISTRIBUTED MULTI-CORE MEMORY INITIALIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06F 9/445 :12/624,626 :24/11/2009 :U.S.A. :PCT/US2010/057561 :22/11/2010 :WO 2011/066202 :NA :NA	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES, INC. Address of Applicant: ONE AMD PLACE, SUNNYVALE, CA 94088-3453, UNITED STATES OF AMERICA U.S.A. (72)Name of Inventor: 1)HOUSTY, OSWIN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a system having a plurality of processing nodes, a control node divides a task into a plurality of sub-tasks, and assigns the sub-tasks to one or more additional processing nodes which execute the assigned sub-tasks and return the results to the control node, thereby enabling a plurality of processing nodes to efficiently and quickly perform memory initialization and test of all assigned sub-tasks.

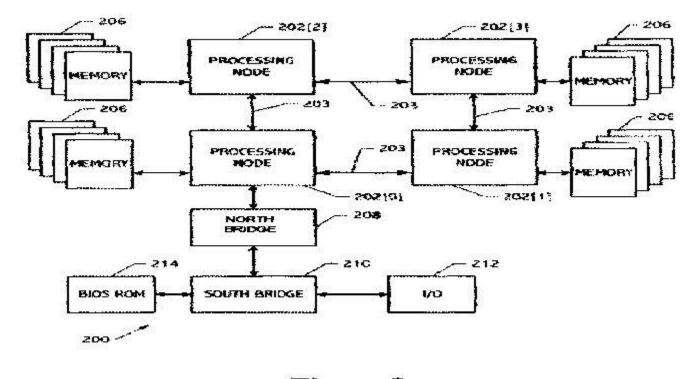


Figure 2

No. of Pages: 25 No. of Claims: 20

(21) Application No.4597/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: DISPOSABLE DIAPER

:A61F13/15,A61F13/494 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012259159 (32) Priority Date :27/11/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/081862 Filing Date :27/11/2013

(87) International Publication No :WO 2014/084236

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

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72) Name of Inventor: 1)SAKAGUCHI Satoru

#### (57) Abstract:

A disposable diaper (10) has elastic leg sections (75) which expand and contract in a product longitudinal direction (L) disposed further to the inside in a product width direction (W) than a pair of leg opening sections (35). The area between a rear leg opening section (35R) and a straight line (L1) which passes through the center in the product width direction (W) parallel to the product longitudinal direction (L) is larger than the area between a front leg opening section (35F) and the straight line (L1) which extends in the product longitudinal direction (L) through the center in the product width direction (W). Elastic buttock sections (77) which straddle a crotch region (25) and a rear waist region (30) and expand and contract in the product longitudinal direction (L) are disposed further to the outside in the product width direction (W) than the elastic leg sections (75). The extension percentage of the elastic buttock sections (77) is higher than the extension percentage of the elastic leg sections (75).

No. of Pages: 34 No. of Claims: 8

(21) Application No.4598/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K 31/245	(71)Name of Applicant :
(31) Priority Document No	:0919650.2	1)FUTURA MEDICAL DEVELOPMENTS LIMITED
(32) Priority Date	:10/11/2009	Address of Applicant :SURREY TECHNOLOGY CENTRE,
(33) Name of priority country	:U.K.	40 OCCAM ROAD, GUILDFORD, SURREY, GU2 7YG,
(86) International Application No	:PCT/GB2010/051870	UNITED KINGDOM U.K.
Filing Date	:10/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/058351	1)DAVIS, ADRIAN FRANCIS
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pharmaceutical composition comprises an active ingredient dissolved in an essentially non-aqueous carrier system comprising volatile and non-volatile components, in which the volatile component comprises a volatile non-solvent for the active ingredient and a volatile solvation additive for the non-solvent and the non-volatile component comprises a non-volatile non-solvent and optionally a non-volatile solvent for the active ingredient, the volatile and non-volatile non-solvents comprising silicone fluids of respectively different viscosity.

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

(21) Application No.4598/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: DISPOSABLE DIAPER

(51) International :A61F13/49,A61F13/42,A61F13/514 classification

:NA

(31) Priority Document No :2012259169 (32) Priority Date :27/11/2012 (33) Name of priority

:Japan country

(86) International :PCT/JP2013/081863 Application No

:27/11/2013 Filing Date

(87) International

:WO 2014/084237

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

Publication No

(57) Abstract:

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)SAKAGUCHI Satoru

2)SAWA Kana 3)MIYAKE Maki

A disposable diaper (10) has an absorbent core (40a) having wide sections and a narrow section wherein the length of the absorbent core in the width direction is shortest. Marker patterns (M11 M12) which indicate positions on the absorbent core are attached to a back sheet positioned more on a non skin contact surface side than the absorbent core (40a). The marker patterns are disposed at positions that do not overlap with the outer edge of the absorbent core in a product width direction. At least a portion of each marker pattern in an overlapping region where the absorbent core and the back sheet overlap is disposed in a region further to the outside in the product width direction than an imaginary line (FL1) which passes through the outer edge of the narrow section in the product width direction and extends in a product longitudinal direction.

No. of Pages: 32 No. of Claims: 7

(21) Application No.4760/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: METAL LAYER HAVING RESIN LAYER, ATTACHED THERETO LAMINATED BODY CIRCUIT BOARD AND SEMICONDUCTOR DEVICE

(51) International

:H05K1/03,B32B15/08,H01L23/12

classification

:2012266008

(31) Priority Document No (32) Priority Date

:05/12/2012

(33) Name of priority country

:Japan

(86) International Application

:PCT/JP2013/081768

No Filing Date

:26/11/2013

(87) International Publication

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

:NA

Filing Date (62) Divisional to Application

:NA

Number

:NA :NA

Filing Date

:WO 2014/087882

(71)Name of Applicant:

1)SUMITOMO BAKELITE CO., LTD.

Address of Applicant :5-8, Higashi-Shinagawa 2-chome

Shinagawa -ku ,Tokyo 1400002 Japan

(72)Name of Inventor:

1)SATO Toshihiro

2)BABA Takayuki

3)YAGI Shigeyuki

#### (57) Abstract:

A metal layer (1) for a circuit board, said metal layer having a resin layer attached thereto, is provided with a resin layer (11), and a metal layer (12) that is provided on the resin layer (11). The resin layer (11) has thermosetting properties. The storage elastic modulus (ERT) of the resin layer (11) at a temperature of 25°C, after the resin layer (11) is thermally cured at a temperature of 190°C in two hours, is not lower than 0.1 GPa but not higher than 1.5 GPa. Furthermore, the storage elastic modulus (EHT) of the resin layer (11) at a temperature of 175°C, after the resin layer (11) is thermally cured at a temperature of 190°C in two hours, is not lower than 10 MPa but not higher than 0.7 GPa.

No. of Pages: 59 No. of Claims: 8

(21) Application No.4755/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ORTHOPEDIC GUIDE SYSTEMS AND METHODS

:NA

(51) International classification :A61B17/90,A61F2/46,A61F2/32 (71)Name of Applicant: (31) Priority Document No :61/733737 1)SMITH & NEPHEW, INC. (32) Priority Date :05/12/2012 Address of Applicant: 1450 Brooks Road, Memphis, TN (33) Name of priority country :U.S.A. 38116 U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2013/073309 No 1)BERGIN, Alisha W. :05/12/2013 Filing Date 2) QUINN , Nathaniel M. (87) International Publication 3) CARTER HORNE , Jackie :WO 2014/089291 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

#### (57) Abstract:

Filing Date

Systems, devices, and methods are described for orthopedic guides. In certain embodiments an orthopedic guide includes a first surface structured to fit within an implant, a sleeve component coupled to a second surface of the guide, and an alignment structure having a contour with predetermined surface characteristics that correspond to respective characteristics of a patient s bony anatomy and thereby aligns the guide.

No. of Pages: 33 No. of Claims: 35

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: MOBILE COMMUNICATION TERMINAL DEVICE AND METHOD FOR SELECTING A VIRTUAL CARRIER FOR MACHINE TYPE COMMUNICATIONS BASED ON MEASUREMENTS OF CHANNEL CONDITIONS

(51) International :H04W72/04,H04W72/08,H04W24/10

(31) Priority Document No :1300807.3

(32) Priority Date :16/01/2013

(33) Name of priority :U.K.

country

(86) International Application No :PCT/GB2014/050079

Filing Date :13/01/2014

(87) International

Publication No :WO 2014/111695

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

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

(71)Name of Applicant: 1)SONY CORPORATION

Address of Applicant :1- 7- 1 Konan, Minato- ku- Tokyo 108-

0075 Japan

(72)Name of Inventor:

1)WAKABAYASHI, Hideji; 2)WEBB, Matthew William 3)MORIOKA, Yuichi 4)TRUELOVE, Stephen

(57) Abstract:

Apparatus and methods for providing feedback on channel conditions in a wireless telecommunications system are described. The wireless telecommunications system comprises a base station arranged to communicate with a plurality of terminals device using frequencies spanning a system frequency bandwidth wherein at least one terminal device is a reduced capability terminal device comprising a tuneable transceiver configured to receive downlink transmissions from the base station using only a restricted frequency bandwidth, which is smaller than and within the system frequency bandwidth. The base station transmits configuration signalling to the reduced capability terminal device to indicate the reduced capability terminal device should measure channel conditions for different frequencies. The terminal device responds by sequentially tuning its transceiver to different frequency locations for the restricted frequency bandwidth within the system frequency bandwidth and making measurements of channel conditions at the different frequency locations to provide a corresponding plurality of measurements of channel conditions. The reduced capability terminal device is configured to communicate information derived from the measurements of channel conditions to the base station. The information may comprise an indication of the measured channel conditions for the different frequency locations or an indication of one or more frequency locations for which the corresponding measurement of channel conditions meet a pre defined selection criterion. The base station subsequently schedules downlink transmissions for the terminal device in a manner that takes account of the information received from the terminal device.

No. of Pages: 68 No. of Claims: 38

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HYBRID PLANAR GRADED HETEROJUNCTION FOR ORGANIC PHOTOVOLTAICS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L51/42 :61/730687 :28/11/2012 :U.S.A. :PCT/US2013/072309 :27/11/2013 :WO 2014/085639 :NA :NA	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN Address of Applicant: Office of Technology Transfer, 1600 Huron Parkway, 2nd Floor, Ann Arbor, MI 48109 U.S.A. (72)Name of Inventor: 1)FORREST, Stephen, R. 2)ZIMMERMAN, Jeramy, D. 3)XIAO, Xin 4)LASSITER, Brian, E.
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#### (57) Abstract:

Disclosed herein are organic photosensitive optoelectronic devices comprising at least one hybrid planar- graded heterojunction. In particular , organic photosensitive optoelectronic devices are disclosed having two electrodes (110) , (150) in superposed relation , a graded heterojunction layer (130) located between the two electrodes , and at least one photoactive layer (120) ,(140) adjacent to and interfacing with the graded heterojunction layer.

No. of Pages: 41 No. of Claims: 22

(21) Application No.4758/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: TREATING SULFUR CONTAINING HYDROCARBONS RECOVERED FROM HYDROCARBONACEOUS DEPOSITS

(51) International classification: E21B43/24,C10G1/00,C10G21/14 (71) Name of Applicant:

(31) Priority Document No :13/688665

(32) Priority Date :29/11/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/072190

:27/11/2013 Filing Date

(87) International Publication :WO 2014/085559

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

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

1)MERICHEM COMPANY

Address of Applicant: 5455 Old Spanish Trail, Houston, TX

77023 U.S.A.

(72) Name of Inventor: 1)WATSON, John

(57) Abstract:

In a process to treat gaseous components obtained from an recovery of liquid hydrocarbons from a hydrocarbonaceous deposit the mercaptans and hydrogen sulfide are separated from each other using lean oil and the hydrogen sulfide further processed to obtain a sulfur -free fuel gas product. The rich oil obtained after treating the gaseous components can be used as a diluent with the liquid hydrocarbons or processed to remove and convert the mercaptans to disulfide oils.

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

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: THERMOMECHANICAL PROCESSING OF ALPHA BETA TITANIUM ALLOYS

(51) International classification	:C22C14/00,C22F1/18	(71)Name of Applicant :
(31) Priority Document No	:13/844196	1)ATI PROPERTIES INC.
(32) Priority Date	:15/03/2013	Address of Applicant :1600 N.E. Old Salem Road Albany
(33) Name of priority country	:U.S.A.	Oregon 97321 U.S.A.
(86) International Application No	:PCT/US2014/019252	(72)Name of Inventor:
Filing Date	:28/02/2014	1)THOMAS Jean Philippe A.
(87) International Publication No	:WO 2014/149518	2)MINISANDRAM Ramesh S.
(61) Patent of Addition to Application	:NA	3)FORBES JONES Robin M.
Number	:NA	4)MANTIONE John V.
Filing Date	.NA	5)BRYAN David J.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One embodiment of a method of refining alpha phase grain size in an alpha beta titanium alloy comprises working an alpha beta titanium alloy at a first working temperature within a first temperature range in the alpha beta phase field of the alpha beta titanium alloy. The alloy is slow cooled from the first working temperature. On completion of working at and slow cooling from the first working temperature the alloy comprises a primary globularized alpha phase particle microstructure. The alloy is worked at a second working temperature within a second temperature range in the alpha beta phase field. The second working temperature is lower than the first working temperature. The is worked at a third working temperature in a third temperature range in the alpha beta phase field. The third working temperature is lower than the second working temperature. After working at the third working temperature the titanium alloy comprises a desired refined alpha phase grain size.

No. of Pages: 61 No. of Claims: 44

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention: OPTICAL FIBER JACKET REMOVER

(51) International classification	:G02B 6/00	(71)Name of Applicant:
(31) Priority Document No	:2009-267928	1)SUMITOMO ELECTRIC INDUSTRIES, LTD.
(32) Priority Date	:25/11/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-
(33) Name of priority country	:Japan	KU, OSAKA-SHI, OSAKA 541-0041, JAPAN Japan
(86) International Application No	:PCT/JP2010/070757	/
Filing Date	:22/11/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/065314	1)HOMMA TOSHIHIKO
(61) Patent of Addition to Application	:NA	2)FUKUDA MASAKAZU
Number	:NA	3)NAKAZAWA KIYOSHI
Filing Date	.11/1	4)HASEGAWA MASAHIRO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is an optical fiber jacket remover capable of satisfactorily removing a coating without infiltration of water, and with less pulling force required to remove the coating. In an optical fiber jacket remover (11) for drawing a glass fiber (la) out from a coating (1b) by cutting the coating (1b) in a jacket removing portion (31) and moving an optical fiber holding portion (13) away from a jacket remover main unit (12) in a heated state, the jacket removing portion (31) is provided with a heater supporting member (43) on which a heater (42) is mounted, the heater supporting member (43) is accommodated in a recessed receiving portion formed in a case (12a), a heat insulating space (55) is formed between the recessed receiving portion (51) and the heater supporting member (43), a side surface of the heater supporting member (43) and an inside surface of a lateral wall (51b) of the recessed receiving portion (51) are brought into contact with each other via a lateral rib (61) formed on the heater supporting member (43), and the heat insulating space (55) is thereby blocked.

No. of Pages: 24 No. of Claims: 4

(21) Application No.4619/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: FLUORESCENCE COLORING FOR EYE SURGERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K49/00 :61/721715 :02/11/2012 :U.S.A. :PCT/IB2013/003099 :01/11/2013 :WO 2014/072831 :NA :NA	(71)Name of Applicant:  1)CESACAR HOLDING, S.L.  Address of Applicant: Calle Aribau 191 193 3rd Floor 2A 08021 Barcelona Spain (72)Name of Inventor:  1)TELANDRO Alain
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed herein is a method of use of colored dye in ophthalmic surgery. In one embodiment the colored dye is fluorescent. In another embodiment the fluorescent dye is combined with viscoelastic gel for anterior segment eye surgery.

No. of Pages: 18 No. of Claims: 32

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF (CO)POLYMERS OF CONJUGATED DIENES IN THE PRESENCE OF A CATALYTIC SYSTEM COMPRISING AN OXO NITROGENATED COMPLEX OF COBALT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08F136/06 :MI2012A002203 :20/12/2012 :Italy :PCT/IB2013/060905 :13/12/2013 :WO 2014/097087 :NA :NA	(71)Name of Applicant:  1)VERSALIS S.P.A  Address of Applicant: P.zza Boldrini, 1, 1-20097 S. Donato  Mil.se (MI) Italy (72)Name of Inventor:  1)RICCI, Giovanni  2)LEONE, Giuseppe  3)SOMMAZZI, Anna  4)MASI, Francesco
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Process for the preparation of (co) polymers of conjugated dienes which comprises polymerizing at least one conjugated diene in the presence of a catalytic system comprising at least one oxo- nitrogenated complex of cobalt having general formula (I) wherein: - Ri and R2, equal to or different from each other, represent a hydrogen atom; or they are selected from linear or branched C1-C20, preferably C1-C15, alkyl groups, optionally halogenated; cycloalkyl groups optionally substituted; aryl groups optionally substituted; - Y represents an oxygen atom; or a group - N-R3 wherein R 3represents a hydrogen atom, or it is selected from linear or branched C1-C20 preferably C1-C15, alkyl groups optionally halogenated ,cycloalkyl groups optionally substituted-; aryl groups optionally substituted; or , when Y represents a group -N-R3, R2 and R3 can be optionally bound to each other to form ,together with the other atoms to which they are bound a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched C1-C20 preferably C1-C15, alkyl groups, said cycle optionally containing heteroatoms such as for example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; Xi and X 2, equal to or different from each other, represent a halogen atom such as for example, chlorine, bromine, iodine; or they are selected from linear or branched C1-C20 preferably C1-C15, alkyl groups-OCOR4 groups or -OR groups wherein R4 is selected from linear or branched C1-C20 preferably C1-C15, alkyl groups.

No. of Pages: 78 No. of Claims: 15

(21) Application No.4765/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: FLUID DELIVERY DEVICE AND METHOD

(51) International

:A61M5/32,A61M5/20,A61M5/315

classification

(31) Priority Document No :61/724392 (32) Priority Date :09/11/2012

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

(86) International Application

:PCT/IB2013/003057 :11/11/2013

:NA

Filing Date

(87) International Publication

:WO 2014/096957 (61) Patent of Addition to :NA

**Application Number** 

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

Number

Filing Date

(71)Name of Applicant:

1)IINJEC TECHNOLOGIES INC.

Address of Applicant: 1000-1255 Peel, Montreal, Quebec

H3B 2T9 Canada

(72) Name of Inventor:

1) REISENBURG MOLSON, Catherine

2)MOLSON, Alexandra

3)GANEM, Jake

#### (57) Abstract:

A fluid delivery injector comprises a syringe defining a barrel; a plunger and a hollow needle provided within the barrel adapted for linear movement parallel to a longitudinal axis with a distal tip of the needle contained within the syringe. A fluid retention reservoir is defined at least in the barrel and is in fluid communication with the needle when pressure is applied to the fluid in the reservoir and to the plunger for moving the needle out of the barrel.. A spring may be provided for retracting the needle when pressure is released from the plunger.

No. of Pages: 48 No. of Claims: 44

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: END PLATE FOR CONCRETE PILES

(51) International classification	:E02D5/24	(71)Name of Applicant:
(31) Priority Document No	:PI 2013701893	1)ONG, Chin Chai
(32) Priority Date	:21/08/2013	Address of Applicant :2B -7- 1, Plaza Sentral, Jalem Stesen
(33) Name of priority country	:Malaysia	Sentral 5, KL Sentral, 50470 Kuala Lumpur Malaysia
(86) International Application No	:PCT/MY2014/000018	(72)Name of Inventor:
Filing Date	:19/02/2014	1)ONG ,Chin Chai
(87) International Publication No	:WO 2015/026223	
(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 discloses a pair of identical top end plate (la) and bottom end plate (lb) for joining two separate spun piles by interlocking together at the top end plate (la) located at the bottom end of the first spun pile (16a) to the bottom end plate (lb) located at the top end of the second spun pile (16b) comprising of; segmental protrusions (8a, 8b) and segmental recesses (7a, 7b) with localised hot forged indentations (2a, 2b) for the prestressed steel tendon (5a, 5b) button head and seating (9a, 9b); a 45 degrees rotation of the square openings (4) leading to a tapered square passageway formed by mating the tapered dovetail groove (14) of the top segmental protrusion (8a) with the bottom segmental recess (7b) and top segmental recess (7a) with the bottom segmental protrusion (8b); tapered square pins (3) corresponding to the tapered square passageways that can be jammed therethrough the square openings (4) to interlocked the end plates (la, lb); outer segmental side edges (10a, 10b) on the underside of the segmental protrusions (8a, 8b) with a deep rectangular groove (6a, 6b) that traverse the circumference on the outer side of the end plate (la, lb) such that it can embed the lip of the circular steel skirt (lla, llb) and a sloping edge (12a, 12b) on the edges of the segmental protrusion(8a, 8b) above the tapered square pins (3) to avoid compressing the dovetail groove during impact driving.

No. of Pages: 39 No. of Claims: 20

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HEAT EXCHANGE DEVICE FOR EXCHANGING HEAT BETWEEN FLUIDS

<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>	:F02M25/07,F28D7/16,F28D9/00 :12382434.4 :06/11/2012 :EPO	(71)Name of Applicant:  1)BORGWARNER EMISSIONS SYSTEMS SPAIN, S.L.U. Address of Applicant: Carretera de Zamanes, 20, E -36315 Vigo -Pontevedra Spain
<ul> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li></ul>	:EPO :PCT/EP2013/073012 :05/11/2013 :WO 2014/072274 :NA :NA	2)BORGWARNER INC. (72)Name of Inventor: 1)HERMIDA DOM • NGUEZ ,Xoan Xos 2)SANCHEZ RAGNARSSON ,Alvaro 3)BLANCO FERNANDEZ ,Jose Alberto 4)SOUTO MARTINEZ, Jose Luis
•		

### (57) Abstract:

The present invention relates to a heat exchange device for exchanging heat between two fluids circulating through insulated conduits. In the preferred example the first fluid is a hot gas originating from an exhaust gas recirculation (EGR) system and the second fluid is a coolant liquid used for removing heat from the hot gas. The device according to the invention has a simple and cheap construction, lacking a shell, formed by a plurality of extruded aluminium profile segments attached by clad plates arranged perpendicularly giving rise to a very compact and light- weight configuration when it is in an operating mode.

No. of Pages: 42 No. of Claims: 18

(21) Application No.4768/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention : DEVICE ARCHITECTURE AND METHOD FOR PRECISION ENHANCEMENT OF VERTICAL SEMICONDUCTOR DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01L21/66 :61/729720 :26/11/2012 :U.S.A. :PCT/US2013/072111 :26/11/2013 :WO 2014/082098 :NA :NA	(71)Name of Applicant:  1)D3 SEMICONDUCTOR LLC Address of Applicant:15050 E. Beltwood Parkway, Addison, TX 75001 U.S.A. (72)Name of Inventor: 1)HARRINGTON, Thomas ,E. III
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Improvement of key electrical specifications of vertical semiconductor devices, usually found in the class of devices known as discrete semiconductors, has a direct impact on the performance achievement and power efficiency of the systems in which these devices are used. Imprecise vertical device specifications cause system builders to either screen incoming devices for their required specification targets or to design their system with lower performance or lower efficiency than desired. Disclosed is an architecture and method for achieving a desired target specification for a vertical semiconductor device. Precise trimming of threshold voltage improves targeting of both on -resistance and switching time. Precise trimming of gate resistance also improves targeting of switching time. Precise trimming of a device s effective width improves targeting of both on -resistance and current carrying capability. Device parametrics are trimmed to improve a single device, or a parametric specification is targeted to match specifications on two or more devices.

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

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF (CO) POLYMERS OF CONJUGATED DIENES IN THE PRESENCE OF A CATALYTIC SYSTEM COMPRISING A BIS IMINO PYRIDINE COMPLEX OF COBALT

:C08F36/06,C08F136/06 (71)Name of Applicant : (51) International classification (31) Priority Document No :MI2012A002206 1)VERSALIS S.P.A. (32) Priority Date Address of Applicant: Piazza Boldrini 1, 1-20097 San Donato :20/12/2012 (33) Name of priority country Milanese Italy :Italy (86) International Application No :PCT/IB2013/061193 (72) Name of Inventor: Filing Date :20/12/2013 1)MASI Francesco (87) International Publication No :WO 2014/097245 2)RICCI ,Giovanni (61) Patent of Addition to Application 3)SOMMAZZI, Anna :NA Number 4)LEONE, Giuseppe :NA Filing Date 5)CALDARARO, Maria (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Process for the preparation of (co) polymers of conjugated dienes which comprises polymerizing at least one conjugated diene in the presence of a catalytic system comprising at least one bis-imino-pyridine complex of cobalt having general formula (I): wherein: R2 and R3, equal to or different from each other, represent a hydrogen atom; or they are selected from linear or branched C1-C20 preferably C 1-C15, alkyl groups, optionally halogenated, cycloalkyl groups optionally sub stituted, aryl groups optionally substituted; R i and different from each other, represent a hydrogen atom; or they are selected from lin ear or branched C1-C20 preferably C 1-C15, alkyl groups, optionally halogenated, cycloalkyl (I) groups optionally substituted, aryl groups op tionally substituted; arylalkyl groups; or R i and R2 can be optionally bound to each other to form, together with the other atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched G-C20, preferably C 1-C15, alkyl groups, said cycle optionally containing other heteroatoms such as, for example, oxygen, su l fur, nitrogen, silicon, phosphorous, selenium; or R and can be optionally bound to each other to form, together with the other o atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched G-C20, preferably C 1 -C15, alkyl groups, said cycle optionally containing other heteroatoms such as, for o example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; R5, R and equal to or different from each other, represent a hydrogen atom, or they are selected from linear or branched C1-C20, preferably C1-C15, alkyl groups, optionally halogenated, cycloalkyl groups optionally substituted; aryl groups op tionally substituted; arylalkyl groups; or R5 and can be optionally bound to each other to form, together with the other atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched C1-C20, preferably C1-C15, alkyl groups, said cycle optionally containing other heteroatoms such as, for ex ample, oxygen, -sulfur, nitrogen, silicon, phosphorous, selenium; or and can be optionally bound to each other to form, to gether with the other atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aro - matic, optionally substituted with linear or branched Ci- C20, preferably C 1 -C15, alkyl groups, said cycle optionally containing oth er heteroatoms such as, for example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; Xi and X2, equal to or different from each other, represent a halogen atom such as, for example, chlorine, bromine, iodine; or they are selected from linear or branched -C20, preferably C1-C15, alkyl groups, -OCOR groups or -OR groups wherein R is selected from linear or branched C1-C20 / preferably C 1-C15, alkyl groups.

No. of Pages: 81 No. of Claims: 15

(21) Application No.4772/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: EXPANDABLE POLYMERIC COMPOSITION WITH IMPROVED FLEXIBILITY AND RELATIVE PREPARATION PROCESS

(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	:C08J9/16,C08L25/08,C08L23/04 :MI2012A002153 :17/12/2012 :Italy :PCT/IB2013/060871 :12/12/2013 :WO 2014/097074 :NA	(71)Name of Applicant:  1)VERSALIS S.P.A.  Address of Applicant: Piazza Boldrini 1, 1- 20097 San Donato Milanese Italy (72)Name of Inventor:  1)CUDER, Giovanni 2)GHIDONI, Dario
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a polymeric composition which comprises: a) vinyl aromatic polymers and/or copolymers in an amount ranging from 50% to 99% by weight, calculated with respect to the overall composition , b) a polyolefin or a relative copolymer with an ester in an amount ranging from 1% to 50% by weight , calculated with respect to the overall composition , c) an olefinic elastomer grafted with a.- vinyl aromatic polymer in an amount ranging from 0.01% to 40% by weight, calculated with respect to the sum of (a) + (b) , d) an expanding agent in an amount ranging from 1% to 10% by weight , calculated with respect to the sum of (a) + (b) + (c).

No. of Pages: 29 No. of Claims: 13

(21) Application No.4783/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SKILLS ENDORSEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06Q10/00 :13/672377 :08/11/2012 :U.S.A. :PCT/US2013/068763 :06/11/2013 :WO 2014/074607 :NA :NA :NA	(71)Name of Applicant:  1)LINKEDIN CORPORATION  Address of Applicant:2029 Stierlin Court, Mountain View ,California 94043 U.S.A. (72)Name of Inventor:  1)JAYARAM, Vinodh  2)SKOMOROCH, Peter N.  3)HAYES, Matthew T.  4)NASH, Adam  5)BREGER, David Michael  6)GUPTA, Prachi  7)SHMUKLER, Elliot  8)MOON, Avery Randolph
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#### (57) Abstract:

Disclosed in some examples is a method comprising determining a first set of high ranking skills, the first set containing skills possessed by a member of the social networking service based upon the member s user profile; determining a second set of high ranking skills , the second set containing skills for a second member of the social networking service based on the second member s user profile; determining a third set of high ranking skills , the third set being the intersection between the first and second set of high ranking skills; and suggesting one or more of the skills in the third set of high ranking skills to the member for endorsement of the second member with respect to that skill.

No. of Pages: 38 No. of Claims: 21

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention : METHOD FOR THE RADIATION HARDENING OF AN ELECTRONIC CIRCUIT BY PARTITIONING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/11/2013 :WO 2014/083159 :NA :NA :NA	(71)Name of Applicant:  1)ELECTRICITE DE FRANCE Address of Applicant: 22 -30, avenue de Wagram, F -75008  Paris France (72)Name of Inventor: 1)COUSIN, Bastien 2)DELEUZE, Gilles 3)CRETINON, Laurent 4)GONCALVES DOS SANTOS, Gutemberg Jr. 5)NAVINER, Lirida
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The method relates to a method for the radiation hardening of an electronic circuit by partitioning, said circuit including an odd number K of parallel branches connected to a same primary input I and each including a same series of N modules and N-1 nodes linking two consecutive modules, the K branches together forming a series of N-1 gates respectively consisting of parallel K nodes, and a primary arbiter forming a majority vote from the output signal of the K branches, the method being characterized in that it includes the following steps which are repeated for each one of the gates: determining a reliability of a subcircuit upstream from the gate consisting of the portions of the K branches located between the primary input and the gate, and the insertion of at least one arbiter at the gate forming a majority vote from the output signals of said portions of branches constituting the scanned subcircuit and outputting at least one majority signal to the respective inputs of an additional subcircuit formed by the branch portions downstream from the gate, if the reliability of the scanned subcircuit is less than a reliability set point.

No. of Pages: 15 No. of Claims: 4

(21) Application No.4786/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR CALIBRATING A DISPENSER

(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	:H05K13/04 :13/692057 :03/12/2012 :U.S.A. :PCT/US2013/068477 :05/11/2013 :WO 2014/088746 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)ILLINOIS TOOL WORKS INC.</li> <li>Address of Applicant: 155 Harlem Avenue, Glenview, Illinois</li> <li>60025 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)BLOOM ,Jonathan Joel</li> <li>2)KARLINSKI, Thomas, J.</li> <li>3)SHULTZ, Traci, Anne</li> </ul>
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#### (57) Abstract:

A method of calibrating a dispenser of the type having a material dispensing unit that is configured to dispense material on a substrate includes providing a weigh scale having a plate configured to receive material dispensed on the plate, dispensing one or more patterns of material on the plate; weighing the amount of material dispensed on the plate and comparing the weighed amount of material to a designated amount of material. The act of dispensing one or more patterns of material replicates at least a portion of patterns of material dispensed on the substrate during a dispensing operation. A controller for performing the method is further disclosed.

No. of Pages: 21 No. of Claims: 20

(21) Application No.4788/DELNP/2015 A

1)WINDM-LLER & H-LSCHER KG

Address of Applicant : M1/4nsterstr. 50, 49525 Lengerich

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: DIE DEVICE FOR AN EXTRUSION BLOW MOULDING APPARATUS FOR PRODUCING A MULTILAYERED BLOWN FILM

(51) International

:B29C47/26,B29C47/86,B29C47/06

classification (31) Priority Document No

:10 2012 110 788.2

(32) Priority Date

:09/11/2012

(33) Name of priority country: Germany

(86) International Application :PCT/EP2013/067104

No Filing Date :16/08/2013

(87) International Publication: WO 2014/072090

(61) Patent of Addition to

:NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

:NA

## (57) Abstract:

The invention relates to a die device (10) for an extrusion blow -moulding apparatus (100) for producing a multilayered blown film (300), with an inner surface (310) and an outer surface (320), having a die orifice for the discharge of a multilayered material melt (300), wherein a temperature control device (30) is arranged in order to set a different temperature on the two sides (310, 320) of the material melt (300). The invention also relates to a method for equalizing the differences in viscosity of the materials of the layers (350) by a controlled (40, 60) temperature setting.

No. of Pages: 19 No. of Claims: 12

Germany (72) Name of Inventor:

(71)Name of Applicant:

1)RBBELKE ,Ingo

2) JOPPE, Markus

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DIGITALLY SECURED ELECTRONIC TITLES FOR PRODUCTS IN SUPPLY CHAINS

(51) International classification	:G06Q10/08,G06Q30/06	(71)Name of Applicant:
(31) Priority Document No	:61/725623	1)TRACELINK INC.
(32) Priority Date	:13/11/2012	Address of Applicant :300 Tradecenter 128 100 Sylvan Road
(33) Name of priority country	:U.S.A.	Suite 7690 Woburn MA 01801 U.S.A.
(86) International Application No	:PCT/US2013/069870	(72)Name of Inventor:
Filing Date	:13/11/2013	1)DAHOD Shabbir M.
(87) International Publication No	:WO 2014/078400	2)SPELLMAN Peter J.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Computer implemented methods and systems are provided for inhibiting entry of unauthorized products in a supply chain. The methods and systems feature unique identifiers placed on products in the supply chain and Digitally Secured Electronic Titles (DSETs) for products. The DSETs are exchanged upon transfer of the products in the supply chain and tracked in an electronic registry.

No. of Pages: 23 No. of Claims: 20

(21) Application No.4774/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: OXO NITROGENATED COMPLEX OF COBALT CATALYTIC SYSTEM COMPRISING SAID OXO NITROGENATED COMPLEX AND PROCESS FOR THE (CO) POLYMERIZATION OF CONJUGATED DIENES

(51) International :C07C251/08,C07F15/06,C08F36/06 classification

(31) Priority Document No :MI2012A002201

(32) Priority Date :20/12/2012

(33) Name of priority :Italy country

(86) International :PCT/IB2013/061078

Application No :18/12/2013

Filing Date

(87) International Publication: WO 2014/097167

(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)VERSALIS S.P.A.

Address of Applicant: P.zza Boldrini, 1, 1-20097 Donato

Mil.se Italy

(72) Name of Inventor: 1)SOMMAZZI, Anna 2) RICCI, Giovanni 3)MASI, Francesco 4)LEONE, Giuseppe

(57) Abstract:

The present invention relates to an oxo- nitrogenated complex of cobalt having the general formula (I) wherein the residues Ri, R2, R3, Xi and X2 are as defined in the claims. Said oxo- nitrogenated complex of cobalt having general formula (I) can be advantageously used in a catalytic system for the (co) polymerization of conjugated dienes.

No. of Pages: 77 No. of Claims: 14

(21) Application No.4775/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: WORK VEHICLE AXLE

:NA

:NA

(51) International classification	1:B60B35/08,B60B35/04,B60G9/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CNH INDUSTRIAL AMERICA LLC
(32) Priority Date	:NA	Address of Applicant :500 Diller Avenue P.O. Box 1895 M.S.
(33) Name of priority country	:NA	641 New Holland Pennsylvania 17557 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/066048 :20/11/2012	(72)Name of Inventor: 1)BRADLEY, Nathan 2)WAGENBACH, Matthew, D.
(87) International Publication No	:WO 2014/081412	3)O'CONNOR ,Bradley
(61) Patent of Addition to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Filing Date

Number

A work vehicle includes an axle having a sealable hollow body extending between opposed steering swivel housing pivots, the axle configured to receive ballast material therein.

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

(62) Divisional to Application

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PREDICTIVE ANALYTICS FACTORY

((	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	:G06F17/00 :61/727114 :15/11/2012 :U.S.A. :PCT/US2013/070358 :15/11/2013 :WO 2014/078692 :NA :NA	(71)Name of Applicant:  1)PUREPREDICTIVE, INC. Address of Applicant:9100 South 500 West, Sandy, Utah 84070 U.S.A. (72)Name of Inventor: 1)WELLMAN, Richard, W. 2)PHILLIPPS, Kelly, D.
_	Filing Date	:NA	
(	62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus , system , method , and computer program product are disclosed for a predictive analytics factory 102, 404. A receiver module 202 is configured to receive training data for forming a predictive ensemble 304 customized for the training data. A function generator module 204 is configured to determine a plurality of learned functions 502, 504, 506 based on the training data. A predictive compiler module 206 is configured to form a predictive ensemble 304 comprising a subset of multiple learned functions 502, 504, 506 from the plurality of learned functions 502, 504, 506 may be selected and combined based on evaluation metadata 314 for the plurality of learned functions 502, 504, 506. The predictive ensemble 304 may include a rule set 322 synthesized from the evaluation metadata 314 to direct data through the multiple learned functions 502, 504, 506.

No. of Pages: 44 No. of Claims: 27

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CONJUGATES FOR TREATING DISEASES CAUSED BY PSMA EXPRESSING CELLS

(51) International (71) Name of Applicant: :A61K31/17,A61K47/48,A61K49/00 classification 1)ENDOCYTE, INC. (31) Priority Document No :61/726991 Address of Applicant :3000 Kent Avenue, West Lafayette, (32) Priority Date :15/11/2012 Indiana 47906 U.S.A. (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)VLAHOV ,Iontcho Radoslavov (86) International 2) REDDY, Joseph Anand :PCT/US2013/070007 Application No 3)BLOOMFIELD, Alicia :14/11/2013 Filing Date 4)DORTON, Ryan (87) International 5)NELSON, Melissa :WO 2014/078484 Publication No 6)VETZEL ,Marilynn (61) Patent of Addition to 7)LEAMON, Christopher Paul :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

## (57) Abstract:

The invention described herein pertains to the diagnosis, imaging, and/or treatment of pathogenic cell populations. In particular, the invention described herein pertains to the diagnosis, imaging, and/or treatment of diseases caused by PSMA expressing cells, such as prostate cancer cells, using compounds capable of targeting PSMA expressing cells.

No. of Pages: 102 No. of Claims: 29

(21) Application No.4778/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ONE WAY VALVE

(51) International classification	:F16K15/14,F16K99/00	(71)Name of Applicant:
(31) Priority Document No	:1220974.8	1)VICENTRA B.V.
(32) Priority Date	:22/11/2012	Address of Applicant :17b2 ,Kanaalweg, NL -3526 KL
(33) Name of priority country	:U.K.	Utrecht Netherlands
(86) International Application No	:PCT/NL2013/050839	(72)Name of Inventor:
Filing Date	:21/11/2013	1)CEFAI, Joseph John
(87) International Publication No	:WO 2014/081292	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.TVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An one way valve comprising: a conical shaped valve seat (1); and a membrane (2) having a hole (3) that is located around the conical valve seat (1), such that a surface (60) of the valve seat (1) seals onto an inner periphery (61) of the hole in the membrane (2), wherein in use the membrane (2) is deflected from the surface (60) of the valve seat (1) to provide a fluid path across the membrane (2) and allowing fluid to flow from one side of the membrane (2) to the other.

No. of Pages: 31 No. of Claims: 22

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: EXHAUST GAS VALVE DEVICE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification: F02M25/07,F16K1/00,F16K41/00 (71) Name of Applicant: (31) Priority Document No :10 2013 101 785.1

(32) Priority Date :22/02/2013

(33) Name of priority country :Germany

(86) International Application :PCT/EP2014/050596

:14/01/2014 Filing Date

(87) International Publication

:WO 2014/127930

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

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

1)PIERBURG GMBH

Address of Applicant : Alfred Pierburg Strae 1 41460 Neuss

Germany

(72) Name of Inventor: 1)SIMONS Norbert 2)SOGLOWEK Rafael

3)BARABASCH Guido

#### (57) Abstract:

Exhaust gas valve devices for internal combustion engines are known comprising an actuator (24) an actuator housing (10) a valve rod (16) via which the actuator (24) can be moved in a translational manner a control body (26) which is arranged on the valve rod (16) a flow housing (30) a valve seat (28) which is arranged in the flow housing (30) onto which the control body (26) can be lowered and from which the control body (26) can be raised and a pot shaped shielding element (40) on the base (44) of which an opening (46) is formed said valve rod (16) protruding through the opening and which extends from the actuator housing (10) into the flow housing (30). Said exhaust gas valve devices however often do not provide a sufficient thermal protection of the actuators against the hot exhaust gases. It is therefore proposed that the pot shaped shielding element (40) radially extends directly up to laterally delimiting walls (38) of the flow housing (30). In this manner the shielding element (40) acts in a substantially insulating manner relative to the actuator housing (10).

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

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VARIABLE BELT CONFIGURATION

(51) International classification	:B60C9/18,B60C9/20	(71)Name of Applicant:
(31) Priority Document No	:13/723231	1)BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC
(32) Priority Date	:21/12/2012	Address of Applicant :535 Marriott Drive, Nashville
(33) Name of priority country	:U.S.A.	,Tennessee 37214 U.S.A.
(86) International Application No	:PCT/US2013/073978	(72)Name of Inventor:
Filing Date	:10/12/2013	1)HAYES ,Justin
(87) International Publication No	:WO 2014/099455	2)JOHNSON, David
(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 pneumatic tire has a belt layer disposed between a carcass ply and a circumferential tread, defining a crown region. The belt layer includes a first section and a second section laterally spanning the crown region. The first section includes a plurality of first reinforcing members constructed of a plurality of first filaments composed of a first material. The second section includes a plurality of second reinforcing members constructed of a plurality of second filaments composed of a second material. The first section is characterized by a first fabric density and a first crown angle. The second section is characterized by a second fabric density and a second crown angle. At least one of the first crown angle, the first material, the first number of first filaments, and the first fabric density is different from the respective second crown angle, second material, second number of filaments, and second fabric density.

No. of Pages: 21 No. of Claims: 20

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: SYSTEMS AND METHODS TO PRECISELY CONTROL OUTPUT PRESSURE IN BUFFERED SPRAYERS (DUO1)

#### (57) Abstract:

In exemplary embodiments of the present invention, various novel dispensing devices can be provided. Such devices can involve a range of sprayer heads and sprayer/foamer systems incorporating such heads. Novel sprayer/foamer heads can include buffers of various types. By using a buffer, a user need not continually be pumping the device in order for the device to be spraying or foaming. In exemplary embodiments of the present invention, such a buffer can be spring loaded, spring loaded combination, elastomeric or gas. In exemplary embodiments of the present invention, the buffer can be in line or adjacent to a piston chamber. If adjacent, it can be connected to the piston chamber with a one way valve, to provide for spray after a downstroke of the piston has been completed, or without, to allow spraying to cease once a user releases the trigger or other actuator. In exemplary embodiments of the present invention, such novel sprayers and foamers can be mounted upside down in various Flairomop devices, used to clean floors or the like. When using a buffer, a piston chamber can be designed to deliver greater amount of liquid per unit time than can be possibly dispensed through the nozzle or nozzles. The fraction of liquid that cannot be sent through the nozzle(s), due to their inherent restriction, can thus be sent to the buffer for dispensing after the piston downstroke has been completed. A volume of the piston chamber, a volume of the buffer, a pressure response of the buffer, the throughput of the nozzle, and the minimum opening pressure of the outlet valve can be arranged to restrict the outlet pressures of liquid droplets exiting the nozzle within a defined range.

No. of Pages: 150 No. of Claims: 37

(21) Application No.4647/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM FOR ORIENTING A DEVICE FOR COLLECTING SOLAR ENERGY

(51) International classification	:F24J2/54,F24J2/05,F24J2/52	(71)Name of Applicant:
(31) Priority Document No	:1261255	1)YUMA SAS
(32) Priority Date	:26/11/2012	Address of Applicant :2313 Route de Mouissague F 31620
(33) Name of priority country	:France	Gargas France
(86) International Application No	:PCT/EP2013/074452	(72)Name of Inventor:
Filing Date	:22/11/2013	1)NAVALLON Frdric
(87) International Publication No	:WO 2014/079965	2)PUJAT Pierre Olivier
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
<ul><li>(62) Divisional to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	

## (57) Abstract:

The invention relates to a system (101) for orienting a device (100) for collecting solar energy including at least one element (102) for collecting solar energy said orienting system including: a connector (122) arranged along a first axis (123) the connector being capable of engaging with the at least one element for collecting solar energy and being provided with means (128 129) for reversibly locking the element for collecting solar energy relative to the connector and a means (131) for rotating the connector along the first axis.

No. of Pages: 29 No. of Claims: 14

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INHIBITORY OLIGONUCLEOTIDE AND USE THEREOF

(51) International classification (31) Priority Document No. (32) Priority Date	:C12N15/117,A61K31/711,A61P37/00 :NA :NA	(71)Name of Applicant:  1)SBI BIOTECH. CO. LTD.  Address of Applicant: 1 6 1 Roppongi Minato ku Tokyo 106 6018 Japan
(33) Name of priority country	:NA	2)CHANGCHUN HUAPU BIOTECHNOLOGY CO., LTD (72)Name of Inventor:
(86) International Application No Filing Date	:PCT/CN2012/085547 :29/11/2012	1)ESASHI Eiji 2)WANG Liying 3)YU Yongli
(87) International Publication No	:WO 2014/082254	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The inhibitory oligonucleotides (ODNs) which strongly block NF B activation induced by TLR9 agonists and TLR7 agonists are provided. The production of proinflammatory cytokines such as interleukin 6 and tumor necrosis factor alpha is inhibited by the inhibitory ODNs. Interferon production from human PBMC induced by TLR9 agonist is prevented by the inhibitory ODNs. These ODNs can be used as a remedy for the treatment of immune mediated disorders such as rheumatoid arthritis systemic lupus erythematosus (SLE) sepsis multiple organ dysfunction syndromes.

No. of Pages: 43 No. of Claims: 26

(21) Application No.4649/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR PRODUCING A MULTI LAYER PIPE LINE PIPE LINE AND AIR CONDITIONING SYSTEM HAVING SUCH A PIPE LINE

(51) International :B21C37/09,B21C37/15,B29C47/02 classification

(31) Priority Document No :10 2012 111 584.2

(32) Priority Date :29/11/2012

(33) Name of priority country: Germany

(86) International Application :PCT/EP2013/003566 No

:26/11/2013

Filing Date

(87) International Publication: WO 2014/082735

(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)REHAU AG + CO

Address of Applicant :Otto Hahn Strasse 2 95111 Rehau

2) REHAU POLYMERS (SUZHOU) CO LTD.

(72)Name of Inventor: 1)GRIEBEL Dragan

2)HERENSPERGER David 3)OELSCHLEGEL Alexander

4)WINTER Karlheinz

5)STEFFL Udo 6)B-HM Volker

## (57) Abstract:

The invention relates to a method for producing a multi layer pipe line (1) in particular for transporting coolants in an air conditioning system. Initially a continuous inner layer (2) made of stainless steel having a layer thickness (s) of at most 1 mm is provided. Then the continuous inner layer (2) is coated by means of an extrusion process with a plastic layer (3) having a layer thickness (s) of preferably 7 mm at the most. The invention further relates to a correspondingly produced pipe line (1) and an air conditioning system equipped with such a pipe line (1).

No. of Pages: 17 No. of Claims: 16

(21) Application No.4816/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CURVED DISPLAY 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 Number</li> </ul>	:G09F9/35,G02F1/1333 :1020120126733 :09/11/2012 :Republic of Korea :PCT/KR2013/009989 :06/11/2013 :WO 2014/073844 :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)AN, Jun- seok 2)PARK, Chan -hong
(61) Patent of Addition to Application	:NA	2)1 AKK, Chair-Hong
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A curved display apparatus is provided. The curved display apparatus includes a display panel which has flexibility and a fixing member which is curved and to which the display panel is attached, wherein the display panel attached to the fixing member such that the display panel is curved along the fixing member.

No. of Pages: 24 No. of Claims: 15

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR 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 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>	:01/11/2013 :WO 2014/073820 :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)BAK, Eun- sang
- 13.555	:NA :NA :NA	

#### (57) Abstract:

A method and apparatus for voice recognition are disclosed. The apparatus includes: a voice receiver which receives a users voice signal; a first voice recognition engine which receives the voice signal and recognizes voice based on the voice signal; a communicator which receives and transmits the voice signal to an external second voice recognition engine; and a controller which transmits the voice signal from the voice receiver to the first voice recognition engine, and in response to the first voice recognition engine being capable of recognizing voice from the voice signal, the controller outputs the voice recognizing voice from the voice signal, the controller controls transmission of the voice signal to the second voice recognition engine through the communicator.

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

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PUMP IN PARTICULAR HIGH PRESSURE FUEL PUMP FOR AN INTERNAL COMBUSTION ENGINE

(51) International :F02M63/00,F02M59/10,F02M59/44 classification

(31) Priority Document No :10 2012 222 134.4

(32) Priority Date :04/12/2012

(33) Name of priority country :Germany

(86) International PCT/EP2013/071265
Application No

Filing Date :11/10/2013

(87) International Publication No :WO 2014/086521

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

(71)Name of Applicant:
1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor : 1)GREINER Matthias

# (57) Abstract:

Filing Date

The invention relates to a pump in particular a high pressure fuel pump (1) for an internal combustion engine comprising a pump housing (3) and a housing flange that forms a part of the pump housing (3) further comprising a pump shaft (4) which is mounted in the pump housing (3) around the housing flange in bearings in the form of a housing bearing (7) and a flange bearing (6) at least one bearing being permeated by a fluid so as to form a bearing throttle (8a 8b). A pump is produced with improved lubrication and cooling whilst maintaining a simple design structure. This is achieved as a result of the bearing throttle (8a 8b) being the component that determines the through flow quantity and as a result of the bearing throttle (8a 8b) being set to a through flow value that defines the coolant quantity for the pump. To this end a recess (18) with an aperture (17a) is provided into a PEEK layer (20) of a bearing shell (15) of a bearing.

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

(21) Application No.4793/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PHENYLETHYLPYRIDINE DERIVATIVES AS PDE4 INHIBITORS

(51) International

:C07D401/14,A61K31/4427,A61K31/4748

classification

(31) Priority :12195726.0 Document No

(32) Priority Date :05/12/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/075529 Application No :04/12/2013

Filing Date

(87) International :WO 2014/086855

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) CHIESI FARMACEUTICI S.P.A.

Address of Applicant: Via Palermo, 26/A, 1-43100 Parma

Italy

(72) Name of Inventor:

1)AMARI, Gabriele

2) ARMANI, Elisabetta

3)RICCABONI, Mauro

4)BAKER -GLENN Charles

## (57) Abstract:

The invention relates to novel compounds which are both inhibitors of the phosphodiesterase 4 (PDE4) enzyme and muscarinic M3 receptor antagonists, methods of preparing such compounds, compositions containing them and therapeutic use thereof.

No. of Pages: 59 No. of Claims: 12

(21) Application No.4794/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: IDENTIFYING UNCONVENTIONAL FORMATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G01B3/08 :NA :NA :NA :NA :PCT/US2013/032167 :15/03/2013 :WO 2014/142982 :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES, INC. Address of Applicant:10200 Bellaire Boulevard, Houston, TX 77072 U.S.A.  2)WU, Hsu-Hsiang (72)Name of Inventor: 1)WU, Hsu-hsiang
Filing Date	:NA	

#### (57) Abstract:

Signal measurements collected by azimuthally sensitive electromagnetic logging tool as a function of position in a borehole are obtained. The signal measurements are used to identify a type of formation model. An inversion technique appropriate to the type of formation model is applied to the set of signal measurements to determine a geophysical property. The geophysical property is used to make a decision regarding drilling a well.

No. of Pages: 37 No. of Claims: 19

(21) Application No.4795/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : 1 -PHENYL -2 -PYRIDINYL ALKYL ALCOHOL DERIVATIVES AS PHOSPHODIESTERASE INHIBITORS

(51) International classification :C07D213/89,C07D401/12,C07D407/12

classification

(31) Priority Document :12195738.5

No

(32) Priority Date :05/12/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/075540

Application No Filing Date

:04/12/2013

(87) International

Publication No :WO 2014/086865

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

(62) Divisional to
Application Number
Filing Date
:NA

(57) Abstract:

(71)Name of Applicant:

1) CHIESI FARMACEUTICI S.P.A.

Address of Applicant : Via Palermo ,26/A, 1-43100 Parma

Italy

(72) Name of Inventor:

1)ARMANI ,Elisabetta 2)AMARI ,Gabriele 3)CAPALDI, Carmelida 4)CARZANIGA ,Laura

5)ESPOSITO, Oriana

The present invention relates to inhibitors of the phosphodiesterase 4 (PDE4) enzyme. More particularly, the invention relates to 1 - phenyl- 2 -pyridinyl alkyl alcohol derivatives, to processes for the preparation thereof, compositions comprising them, combinations and therapeutic uses thereof.

No. of Pages: 213 No. of Claims: 14

(21) Application No.4796/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:C07D453/02 :12195891.2 :06/12/2012 :EPO :PCT/EP2013/075661 :05/12/2013 :WO 2014/086924 :NA :NA	(71)Name of Applicant:  1) CHIESI FARMACEUTICI S.P.A. Address of Applicant: Via Palermo, 26/A, 1-43100 Parma Italy (72)Name of Inventor: 1)RANCATI, Fabio 2)LINNEY, Ian
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to compounds acting both as muscarinic receptor antagonists and beta2 adrenergic receptor agonists, to processes for their preparation, to compositions comprising them, to therapeutic uses and combinations with other pharmaceutical active ingredients.

No. of Pages: 150 No. of Claims: 10

(21) Application No.4797/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY

(51) International :C07D453/02,A61K31/439,A61P11/06

classification (31) Priority Document No :12195898.7

(32) Priority Date :06/12/2012

(33) Name of priority :EPO

country .EFC

(86) International Application No :PCT/EP2013/075672

Filing Date :05/12/2013

(87) International Publication No :WO 2014/086927

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

Application Number Filing Date :NA (71)Name of Applicant:

1) CHIESI FARMACEUTICI S.P.A.

Address of Applicant : Via Palermo, 26/A, 1-43100 Parma

Italy

(72)Name of Inventor : 1)RANCATI ,Fabio 2)LINNEY ,Ian

3)KNIGHT,Chris

4)SCHMIDT, Wolfgang

## (57) Abstract:

The present invention relates to compounds acting both as muscarinic receptor antagonists and beta2 adrenergic receptor agonists, to processes for their preparation, to compositions comprising them, to therapeutic uses and combinations with other pharmaceutical active ingredients.

No. of Pages: 170 No. of Claims: 10

(21) Application No.4802/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROCESS FOR THE REMOVAL AND RETURN OF A CATALYST TO A LIQUID PHASE MEDIUM AND ITS USE IN CROSS COUPLING REACTIONS

(32) Priority Date :28 (33) Name of priority country :U. (86) International Application No :PO Filing Date :28	221402.9 8/11/2012 J.K. PCT/EP2013/074974 8/11/2013 WO 2014/083109 NA NA	(71)Name of Applicant:  1)PHOSPHONICS LTD  Address of Applicant:114 Milton Park, Oxford, Oxfordshire  OX14 4SA U.K.  2)MURRAY, Paul  (72)Name of Inventor:  1)MURRAY, Paul
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#### (57) Abstract:

A process for the selective removal of a component from a liquid phase and subsequently returning the component to a liquid phase is disclosed. A novel compound of formula (I) [SUP]-[[L]-[G]]a (I) in which L is a linking group, G is an aryl group having a leaving group LG selected from CI, Br, I, sulfonate such as triflate, a diazo group, a nitrile, an ester and an alkoxy group and substituent Q is selected from H, NR2, OR, C02R, F, CI, N02 CN and SUP is a support having a plurality of groups -[L]-[G] bound to the support is contacted with the liquid phase to bind the component to the compound I thereby forming a captured component which is separated from and may be returned to the liquid phase. The compound I is especially useful in binding homogen eous catalysts to remove it from a reaction medium and selectively returning the catalyst to the reaction medium at a later stage. The compound is particularly useful for cross-coupling reactions, for example in Suzuki reactions.

No. of Pages: 34 No. of Claims: 27

(21) Application No.4803/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: SHAVER

<ul> <li>(51) International classification</li> <li>(31) 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>	:B26B21/22 :NA :NA :NA :PCT/EP2012/076807 :21/12/2012	(71)Name of Applicant:  1)BIC- VIOLEX SA  Address of Applicant: Agiou Athanasiou, GR -145 69 Anixi, Attiki Greece (72)Name of Inventor:  1)GIANNOPOULOS, Panagiotis
<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 2014/094909 :NA :NA :NA :NA	2)EFTHIMIADIS, Dimitrios 3)PAPADOPOULOS - PAPAGEORGIS ,Phaedon

#### (57) Abstract:

A shaver is provided, the shaver comprising a handle with an elongated handgrip portion and a mounting portion, a shaver head pivotally attached to the mounting portion, a removable cartridge comprising at least one blade, the cartridge being ad - apted to be attached to the shaver head and removed from the shaver head, a pusher, adapted to encounter the cartridge to release the cartridge from the shaver head, and a spring provided on the shaver head, the spring being adapted to attach the cartridge to the shaver head, the spring comprising at least one part which forms a loop.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: AC- AC CONVERTER DEVICE

(51) International classification :H02M7/217,H02M5/458 (31) Priority Document No :1301189.5

(32) Priority Date :23/01/2013

(33) Name of priority country :U.K.

(86) International Application No :PCT/EP2014/050129

Filing Date :07/01/2014 (87) International Publication No :WO 2014/114481

(61) Patent of Addition to Application
Number

Filing Date
(62) Divisional to Application Number

Filing Date
:NA
Filing Date
:NA

:H02M7/217,H02M5/458 (71)**Name of Applicant :** 

1)ELTEK AS

Address of Applicant :P. O. Box 2340 Str, ms, N-3003

Drammen Norway

(72)Name of Inventor: 1)B,,CKMAN,Nils 2)ROJAS,Roberto

(57) Abstract:

The present invention relates to an AC AC converter device (1) comprising first and second AC input terminals (ACin1 ACin2) and first and second AC output terminals (ACout1 ACout2). An input device (Bin) is connected between an input node (11) a common node (12) a positive DC terminal (DCP) and a negative DC terminal (DCN) where the input node (11) is connected to the first AC input terminal (ACin1) via a first input inductor (Lin1). An output device (Bout) is connected between an output node (13) the positive DC terminal (DCP) and the negative DC terminal (DCN) where the output node (13) is connected to the first AC output terminal (ACout1) via an output inductor (Lout1). A common device (Be) is connected between the common node (12) the positive DC terminal (DCP) and the negative DC terminal (DCN) where the common node (12) is connected to the second AC input terminal (ACin2) via a common inductor (Lc). A control device is provided for controlling the switches of the output device (Bout) and the common device (Be). The output device (Bout) comprises first and second output switches (Sout1 Sout2). The common device (Be) comprises first and second common switches (Sc1 Sc2). The second AC input terminal (ACin2) is connected to the second AC output terminal (ACout2). The input device (Bin) comprises first and second diodes (Din1 Din2) and a bi direThe present invention relates to an AC- AC converter device (1), comprising first and second AC input terminals (ACinl, ACin2) and first and second AC output terminals (ACoutl, ACout2). An input device (Bin) is connected between an input node (11), a common node (12), a positive DC terminal (DCP) and a negative DC terminal (DCN), where the input node (11) is connected to the first AC input terminal (ACinl) via a first input inductor (Linl). An output device (Bout) is connected between an out - put node (13), the positive DC terminal (DCP) and the negative DC terminal (DCN), where the output node (13) is connected to the first AC output terminal (ACoutl) via an output inductor (Loutl). A common device (Be) is connected between the common node (12), the positive DC terminal (DCP) and the negative DC terminal (DCN), where the common node (12) is connected to the second AC input terminal (ACin2) via a common inductor (Lc). A control device is provided for controlling the switches of the output o device (Bout) and the common device (Be). The output device (Bout) comprises first and second output switches (Soutl, Sout2). The common device (Be) comprises first and second common switches (Scl, Sc2). The second AC input terminal (ACin2) is con o nected to the second AC output terminal (ACout2). The input device (Bin) comprises first and second diodes (Dial, Din2) and a bi directional switch (BS) connected between the input node (11) and the common node (12), where the control device is also con trolling the bi-directional switch (BS).ctional switch (BS) connected between the input node (11) and the common node (12) where the control device is also controlling the bi directional switch (BS).

No. of Pages: 22 No. of Claims: 12

(21) Application No.4653/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: THROMBIN SOLUTION AND METHODS OF USE THEREOF

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date :28/	3396 /12/2012 rael CT/IL2013/000088 /11/2013 O 2014/087394 A	71)Name of Applicant:  1)OMRIX BIOPHARMACEUTICALS LTD.  Address of Applicant: Bldg. 14 Weizmann Science Park PO Box 619 Rehovot 7610601 Israel 72)Name of Inventor:  1)MEIDLER Roberto 2)BELYAEV Oleg 3)BAR Liliana 4)NUR Israel
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## (57) Abstract:

Provided are methods for lyophilization of an aqueous thrombin solution thrombin solutions for use in such lyophilization methods and solid thrombin compositions produced by such methods.

No. of Pages: 46 No. of Claims: 125

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LOAD SHEDDING IN A DATA STREAM MANAGEMENT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:G06F17/30 :NA :NA :NA :PCT/EP2012/075955 :18/12/2012 :WO 2014/094825 :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)MANZANO MACHO, David 2)LAFUENTE ALVAREZ, Luis Maria
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A data stream management system DSMS (110), that receives input data streams (120) from data stream sources and location information associated with the sources and executes a continuous query against data items of the input data streams to generate at least one output data stream (140). The DSMS comprises means (112) to execute a load shedding process when the DSMS is overloaded with data from the input data streams (120) and also includes a learning module (113) that determines , when the DSMS is not overloaded and for the location information associated with the data stream sources , a respective utility value indicating a utility to the DSMS client of data from the data stream sources. The load shedding module (112) identify one or more input data streams whose data items are to be discarded by using location information , together with the location information and data utility values.

No. of Pages: 60 No. of Claims: 22

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PHOTOGRAPHING APPARATUS AND METHOD FOR CONTROLLING THEREOF

(51) International classification	:H04N5/232,H04N1/387	(71)Name of Applicant:
(31) Priority Document No	:1020120130976	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:19/11/2012	Address of Applicant :129 ,Samsung- ro, Yeongtong -gu,
(33) Name of priority country	:Republic of Korea	Suwon -si, Gyeonggi -do 443- 742 Republic of Korea
(86) International Application No	:PCT/KR2013/010517	(72)Name of Inventor:
Filing Date	:19/11/2013	1)YIM ,Hyun -ock
(87) International Publication No	:WO 2014/077659	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A photographing apparatus is disclosed. The photographing apparatus includes a determination unit which determines a scene category to which an input image belongs from a plurality of predetermined scene categories, a photographing unit which photographs the input image, a control unit which controls the photographing unit to generate an original image corresponding to the input image and an additional image where image processing corresponding to the determined scene category has been performed on the input image, and a display unit which displays the generated original image and additional image according to a predetermined event.

No. of Pages: 32 No. of Claims: 15

(21) Application No.4812/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: MEDICAL DRAPE WITH PATTERN ADHESIVE LAYERS AND METHOD OF MANUFACTURING **SAME**

(51) International :A61F13/00,A61F13/02,A61M1/00classification

(31) Priority Document No :61/727660 (32) Priority Date :16/11/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/070070

No :14/11/2013 Filing Date

(87) International Publication :WO 2014/078518

(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)KCI LICENSING, INC.

Address of Applicant: Legal Department - Intellectual Property, P.o. Box 659508, San Antonio, TX 78265-9508 U.S.A.

(72) Name of Inventor:

1)LOCKE, Christopher Brian 2) ROBINSON, Timothy Mark

#### (57) Abstract:

A medical drape for use with a reduced pressure system for providing reduced pressure to a tissue site is described. In some embodiments the drape may include a flexible film, and an adhesive layer coupled to the flexible film. The adhesive layer may include a first adhesive disposed on a first portion of the flexible film in a first pattern. The first adhesive can be configured to secure the flexible film proximate to the tissue site. The adhesive layer generally includes a second adhesive disposed on a second portion of the flexible film in a second pattern. The second adhesive can be configured to seal the flexible film proximate to the tissue site. The first pattern and the second pattern are preferably registered so that the first portion and the second portion are offset to cover substantially different portions of the flexible film.

No. of Pages: 61 No. of Claims: 54

(21) Application No.4813/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: POLY(DIHYDROFERULIC ACID) A BIORENEWABLE POLYETHYLENE TEREPHTHALATE MIMIC DERIVED FROM LIGNIN AND ACETIC ACID AND COPOLYMERS THEREOF

(51) International :C08G63/06,C08G63/83,C08G63/02

classification

(31) Priority Document No :13/674561 (32) Priority Date :12/11/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/069641

Application No :12/11/2013 Filing Date

(87) International Publication :WO 2014/075057

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

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

(71)Name of Applicant:

1)UNIVERSITY OF FLORIDA RESEARCH

FOUNDATION, INC.

Address of Applicant :223 Grinter Hall, Gainesville, FL 32611

U.S.A.

(72) Name of Inventor: 1)MIALON, Laurent 2) MILLER, Stephen A.

# (57) Abstract:

An embodiment of the invention is directed to a biorenewable thermoplastic, poly(dihydroferulic acid) (PHFA), which is an effective polyethylene terephthalate (PET) mimic. In another embodiment of the invention, a biorenewable thermoplastic copolymer, poly(dihydroferulic acid -co- ferulic acid) is an effective polystyrene mimic. The PHFA and the copolymer can be prepared by the homocondensation of acetyldihydroferulic acid or the copolymerization of acetyldihydroferulic acid with acetylferulic acid, which are monomers that can be synthesized from starling materials isolated from lignin, rice bran, or other biorenewable sources.

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

(21) Application No.4644/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BINDING PROTEINS COMPRISING AT LEAST TWO REPEAT DOMAINS AGAINST HER2

(51) International classification	:C07K16/32	(71)Name of Applicant:
(31) Priority Document No	:12195156.0	1)MOLECULAR PARTNERS AG
(32) Priority Date	:30/11/2012	Address of Applicant :Wagistrasse 14 CH 8952 Z1/4rich
(33) Name of priority country	:EPO	Schlieren Switzerland
(86) International Application No	:PCT/EP2013/075290	(72)Name of Inventor:
Filing Date	:02/12/2013	1)FIEDLER Ulrike
(87) International Publication No	:WO 2014/083208	2)DOLADO Igancio
(61) Patent of Addition to Application	:NA	3)STROBEL Heike
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present invention relates to a recombinant binding protein comprising at least a first and a second repeat domain wherein each of said two repeat domains binds the extracellular region of HER2 and wherein said repeat domains are covalently linked.

No. of Pages: 165 No. of Claims: 22

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DRYER FOR PORTABLE ELECTRONICS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/724129 :08/11/2012 :U.S.A. :PCT/US2013/068260 :04/11/2013 :WO 2014/074442 :NA :NA	(71)Name of Applicant:  1)COOKSON, Adam Roy Address of Applicant:16525 Trinity Loop, Broomfield ,Colorado 80020 U.S.A.  2)JONES ,Eric Andrew (72)Name of Inventor: 1)COOKSON ,Adam Roy 2)JONES ,Eric Andrew
- 101	:NA :NA :NA	

#### (57) Abstract:

Systems and methods are described for conductively heated vacuum-based drying of portable electronic devices. For example, a portable electronic device that has been exposed to excessive liquid is placed inside a drying chamber. The drying cham ber is closed and a drying routine commences. During the drying routine, the chamber is pressurized to a vacuum level sufficient to gasify liquids inside the device, and the device is conductively heated at least to replace latent heat of vaporization lost during the pressurization. Some embodiments include techniques relating to payment processing, monitoring and feedback control, decontam ination, and/or other functionality.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :03/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WIND TURBINE BLADES AND METHOD OF MANUFACTURING THE SAME

(51) International :B29C70/52,B29C70/54,B29D99/00

classification

(31) Priority Document No :PA 2012 70722 (32) Priority Date :20/11/2012 (33) Name of priority country: Denmark

(86) International Application :PCT/DK2013/050387

:18/11/2013 Filing Date

(87) International Publication :WO 2014/079456

(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) VESTAS WIND SYSTEMS A/S

Address of Applicant: Hedeager 44, DK-8200 Aarhus N

Denmark

(72) Name of Inventor:

1)SANDERCOCK, Stephen

#### (57) Abstract:

Method of making a spar cap (146) for a wind turbine blade, the method comprising: (a) providing a plurality of elongate pultruded fibrous composite strips (100), each strip being of substantially constant cross section defined by first and second mutually opposed and longitudinally extending sides (102, 104) and by first and second longitudinal edges (110, 112), the first and second sides comprising, respectively, first and second planar abutment surfaces (118), the strip being of substantially uniform thick o ness between the first and second abutment surfaces, a first edge region (120) of the strip comprising a first edge of the strip being of relatively reduced thickness, the first side of the strip comprising an edge surface (122) adjacent the first abutment surface in the first edge region of the strip, and the strip having a first peel ply layer (114) at least partially covering the first abutment surface and at o least partially covering the edge surface; (b) removing the first peel ply layers from the respective strips; (c) stacking the strips in a mould such that the first abutment surface of each strip abuts an abutment surface of an adjacent strip in the stack to define an inter face region (142) between the strips, and such that a clearance region (144) is defined between the first edge region of each strip and an edge region of an adjacent strip in the stack; (d) supplying resin to the respective clearance regions and causing the resin to infilt rate into the interface regions between adjacent strips; and (e) curing the resin to bond the strips together.

No. of Pages: 29 No. of Claims: 39

(21) Application No.4808/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: POLYPEPTIDES FOR BLOOD BRAIN BARRIER TRANSPORT

(51) International (71)Name of Applicant: :A61K38/04,A61K38/10,A61K38/16 classification 1)SAGETIS BIOTECH, SL (31) Priority Document No :1220474.9 Address of Applicant: Via Augusta, 394, E-08017 Barcelona (32) Priority Date :14/11/2012 Spain (33) Name of priority (72) Name of Inventor: :U.K. country 1)BORROS GOMEZ, Salvador (86) International 2) RIVERO MONSO, Francesc Xavier :PCT/IB2013/060137 Application No 3) CASCANTE CIRERA, Anna :14/11/2013 Filing Date (87) International :WO 2014/076655 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 polypeptides that cross the blood brain barrier (BBB). These polypeptides are therefore BBB transport agents. The polypeptides are typically able to cross the BBB at a level effective to be therapeutically or diagnostically useful or physiologically significant either alone or when coupled to a therapeutic or diagnostic agent.

No. of Pages: 109 No. of Claims: 20

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR REMOVING PERMEATES FROM FLAT STRUCTURES AND CORREPSONDING ADHESIVE TAPE

:C09J7/02,C08K3/08,C08K3/22 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2012 224 319.4 1)TESA SE (32) Priority Date Address of Applicant: Quickbornstrae 24, 20253 Hamburg :21/12/2012 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2013/075631 (72)Name of Inventor: 1)KEITE- TELGENBSCHER ,Klaus Filing Date :05/12/2013 (87) International Publication No: WO 2014/095385 2) SCHUH, Christian (61) Patent of Addition to 3)SCHABERNACK, Thomas :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention relates to an easy- to- carry out and effective method and a suitable device for absorbing permeates from flat structures. The method according to the invention comprises the following steps: gluing an adhesive tape containing at least one getter material onto the flat structure storing the composite so obtained and consisting of the adhesive tape and the flat structure and removing at least part of the adhesive tape which contains a getter material from the flat structure, the adhesive tape being designed to absorb at least partially at least one permeate from the flat structure. The invention further relates to an adhesive tape comprising at least one substrate layer having a water vapor permeation rate of < 1 g/(m2d) (measured according to ASTM F- 1249 at 38°C and 90% relative humidity) , to an adhesive compound and to at least one getter material arranged between the substrate layer and the adhesive compound or contained in the adhesive compound and capable of absorbing at least one substance capable of permeation characterized in that the adhesive compound is reversible. In a preferred embodiment, the getter material is selected from the group comprising calcium oxide , calcium sulfate , calcium chloride , pyrogenic silica and zeolites and mixture of two or more of the above substances.

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

(21) Application No.4665/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LEAN RICH AXIAL STAGE COMBUSTION IN A CAN ANNULAR GAS TURBINE ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:F23R3/28,F23R3/34 :13/739316 :11/01/2013 :U.S.A. :PCT/US2014/011065 :10/01/2014 :WO 2014/110385 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS ENERGY INC.  Address of Applicant:4400 Alafaya Trail Orlando Florida 32826 2399 U.S.A. (72)Name of Inventor:  1)LASTER Walter R.  2)SZEDLACSEK Peter
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#### (57) Abstract:

An apparatus and method for lean/rich combustion in a gas turbine engine (10) which includes a combustor (12) a transition (14) and a combustor extender (16) that is positioned between the combustor (12) and the transition (14) to connect the combustor (12) to the transition (14). Openings (18) are formed along an outer surface (20) of the combustor extender (16). The gas turbine (10) also includes a fuel manifold (28) to extend along the outer surface (20) of the combustor extender (16) with fuel nozzles (30) to align with the respective openings (18). A method for axial stage combustion in the gas turbine engine (10) is also presented.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SEALING ASSEMBLY FOR TURBOMACHINE

(51) International classification :F04D29/063,F04D29/16 (71)Name of Applicant : (31) Priority Document No 1)TURBOMECA :1262620 (32) Priority Date Address of Applicant: F 64511 Bordes Cedex France :21/12/2012 (33) Name of priority country (72)Name of Inventor: :France (86) International Application No 1)BRILLET Christophe Michel Georges Marcel :PCT/FR2013/053174 2) CHABANNE Pierre Filing Date :18/12/2013 (87) International Publication No :WO 2014/096708 3)GIRARDOT Julien (61) Patent of Addition to Application 4)SCUILLER Lionel :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to a turbomachine comprising an air compression stage (2) comprising at least one moving compressor wheel (20) an air intake pipe (4) coupled to said air compression stage (2) a first sealing device (54) positioned between a front portion (56) of the moving compressor wheel (20) and the air intake pipe (4) comprising at least one pressure seal (60) a channel (45) for conveying air compressed by the moving wheel (20) and a second sealing device (64) positioned between a rear portion (66) of the moving compressor wheel (20) and the conveyance channel (45) and configured to receive an air flow (F2) coming from the conveyance channel (45) the turbomachine being remarkable in that the second sealing device (64) is configured to allow a withdrawal (F3) of part of the air passing through it and in that the withdrawn air (F3) is conveyed to the pressure seal (60) of the first sealing device (54) so as to keep it pressurized.

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

(21) Application No.4667/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

(54) Title of the invention: TIRE TREAD

(51) International classification:B60C11/04,B60(31) Priority Document No:13/713113(32) Priority Date:13/12/2012

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

(86) International Application No :PCT/GB2013/053279 Filing Date :12/12/2013

(87) International Publication No :WO 2014/091236

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

:B60C11/04,B60C11/12 (71)Name of Applicant :

1)BRIDGESTONE CORPORATION

Address of Applicant: 1 1 Kyobashi 3 chome Chuo ku Tokyo

Japan

(72)Name of Inventor:

1)TAMURA Daisuke

#### (57) Abstract:

Provided is a tire tread for a tire comprising a plurality of ribs or blocks a plurality of grooves defined by adjacent ribs or blocks and a plurality of sipes formed in each of the ribs or blocks. Each of the ribs or blocks has a length extending in a circumferential direction a width extending in an axial direction and a depth extending in a radial direction. Each of the sipes extends at an angle to the radial direction either between 0 and 70 degrees inclusive; or between 70 and 0 degrees inclusive. Each sipe may have a thickness between nano thickness and 0.50 mm inclusive. Each sipe may be spaced along the circumferential direction from an adjacent sipe by some interval having a length that does not exceed 20 mm. The ratio of the interval length to a standard contact patch length is less than 0.062.

No. of Pages: 22 No. of Claims: 21

(21) Application No.4669/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: COMPOSITION FOR OPTICAL MATERIALS AND USE THEREOF

(51) International classification	:C08L23/20,C08K5/1545,C08L23/02	(71)Name of Applicant: 1)MITSUI CHEMICALS INC.
(31) Priority Document No	:2012261889	Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato
(32) Priority Date	:30/11/2012	ku Tokyo 1057117 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor : 1)RYU Akinori
(86) International Application No Filing Date	:PCT/JP2013/082153 :29/11/2013	2)SEKI Ryouichi 3)FUJII Kazuki
(87) International Publication No	:WO 2014/084339	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This composition for optical materials contains (A) a polyolefin which is obtained by (co)polymerizing at least one kind of olefin that is selected from among a olefins having 3 20 carbon atoms and (B) a photochromic compound.

No. of Pages: 56 No. of Claims: 9

(21) Application No.4820/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

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

(51) International classification	:F02B37/24,F01D17/16	(71)Name of Applicant:
(31) Priority Document No	:102012022658.6	1)BORGWARNER INC.
(32) Priority Date	:20/11/2012	Address of Applicant :Patent Department, 3850 Hamlin Road,
(33) Name of priority country	:Germany	Auburn Hills ,Michigan 48326 U.S.A.
(86) International Application No	:PCT/US2013/068899	(72)Name of Inventor:
Filing Date	:07/11/2013	1)KIERAT, Jaroslaw
(87) International Publication No	:WO 2014/081577	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an exhaust- gas turbocharger (1) having a turbine (2) which has a turbine wheel (3) surrounded by an inflow duct (4), and having a VTG cartridge (5), which VTG cartridge has a disk and a vane bearing ring (7) which delimit the inflow duct, and which VTG cartridge has a multiplicity of vanes (6) which are arranged in the inflow duct (4) and which are mounted in the vane bearing ring (7) by way of rotatable vane shafts (9), which vane shafts are connected to vane levers (10), the lever heads (11) of which engage into associated grooves (12) in an adjusting ring (13), wherein the adjusting ring (13) is guided by means of at least one bearing (8) which is arranged on one of the vane shafts (9).

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

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ABRASIVE ARTICLE COMPRISING ABRASIVE PARTICLES OF A COMPOSITE 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>	:B24D3/20,B24D5/04 :61/728496 :20/11/2012 :U.S.A. :PCT/US2013/071003 :20/11/2013 :WO 2014/081828 :NA :NA :NA	Address of Applicant :One New Bond Street, Worcester ,Massachusetts 01615 U.S.A.  2)SAINT-GOBAIN ABRASIFS (72)Name of Inventor:  1)LI ,Lingyu  2)JEEVANANTHAM, Muthu  3)BONNER, Anne M.  4)MATSUMOTO ,Dean S.  5)MIZIAK ,Piotr 6)COLLIN ,Andre 7)MANTECON TORRES, Alejandro Javier
Thing Date	.11/1	8)FRANCOVIGH ,Stefano

# (57) Abstract:

An abrasive article has a body including an abrasive portion with a bond material, abrasive particles contained in the bond material, and a reinforcing member contained in the body. The abrasive portion can have a fracture propagation toughness WOF of at least about 5 kJ/m2. The reinforcing member can have openings with an open area of not greater than about 100 mm2 within a major plane of the reinforcing member.

No. of Pages: 31 No. of Claims: 15

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DISTILLABLE FUEL MARKERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:61/728312 :20/11/2012 :U.S.A. :PCT/US2013/068476 :05/11/2013 :WO 2014/081556 :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center, Midland, MI 48674 U.S.A.  2)ANGUS CHEMICAL COMPANY (72)Name of Inventor: 1)GREEN, George David 2)SWEDO, Raymond 3)GRAS, Ronda L. 4)LUONG, Jim C.
Filing Date	:NA	

#### (57) Abstract:

A method for marking a petroleum hydrocarbon or a liquid biologically derived fuel by adding to the petroleum hydrocarbon or liquid biologically derived fuel at least one compound having formula  $Ar(R)m(OR1)\check{z}$ , wherein Ar is an aromatic ring system having from six to twenty carbon atoms, R1 is Ci-Cn alkyl or C2-C 12 alkenyl, R2 is C 1-C 12 alkyl or -C 12 alkenyl, R3 is an integer from zero to five and R3 is an integer from one to three; wherein each compound of formula R3 R3 is present at a level from 0.01 ppm to 100 ppm.

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

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LOW DENSITY ETHYLENE -BASED POLYMERS WITH HIGH MELT STRENGTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08F10/02 :61/728341 :20/11/2012 :U.S.A. :PCT/US2013/030459 :12/03/2013 :WO 2014/081458 :NA :NA	(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)BERBEE, Otto J. 2)DEN DOELDER, Cornelis F. J. 3)KARJALA, Teresa P. 4)ZUERCHER, Karl 5)WANG, Jian
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	6)HINRICHS ,Stefan

#### (57) Abstract:

The invention provides a composition comprising a first ethylene-based polymer, formed by a high pressure, free-radical polymerization process, and comprising the following properties: a) a Mw(abs) versus 12 relationship: Mw(abs) < A x [(12)], where  $A = 5.00 \times 102 \text{ (kg/mole)/(dg/min)}$ , and B = -0.40; and b) a MS versus 12 relationship: MS > C x [(12)], where  $C = 13.5 \times 102 \times 102$ 

No. of Pages: 46 No. of Claims: 15

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: FLEXIBLE WEARABLE THERAPEUTIC LASER ARRAY

(51) International classification	:A61N5/067	(71)Name of Applicant:
(31) Priority Document No	:13/690706	1)DEROBERTS ,Richard Ogden
(32) Priority Date	:30/11/2012	Address of Applicant :216 Moores Run Rd., Wardensville,
(33) Name of priority country	:U.S.A.	West Virginia 26851 U.S.A.
(86) International Application No	:PCT/US2013/071371	(72)Name of Inventor:
Filing Date	:22/11/2013	1)DEROBERTS ,Richard Ogden
(87) International Publication No	:WO 2014/085212	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method of producing a therapeutic laser device (TLD). The TLD includes stretchable, flexible membranes which comprise a high pressure air cavity. High air pressure is produced by fans which are speed controllable by computer. Standoff posts provide an attachment function and a separation function between the TLD and the patient. Semiconductor laser diodes and lens sets in a two dimensional array produce the therapeutic laser light. Cooling air tubes direct air controlled by temperature sensors from the high pressure cavity onto laser diodes. Capacitive proximity sensors in conjunction with infrared radiation sensors confirm close contact with a patient and allow lasing. Power is supplied either by battery or by connection to mains power. A touch screen computerized device with wireless communication displays information to the user and controls the therapy session. The TLD and the power supply both have stretchable straps enabling the TLD to be fixed to the patient.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: DATA STREAM AND DATA PACKET TRANSMISSION METHOD AND DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H04L29/08 :201210487311.6 :26/11/2012 :China :PCT/CN2013/084207 :25/09/2013 :WO 2014/079270 :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza, Keji Road South, Hi -Tech Industrial Park, Nanshan Shenzhen, Guangdong 518057 China (72)Name of Inventor:  1)WANG, Feng 2)YU, Jinqing 3)KUANG, Xiaobo
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are a data stream anterface data transmission. The method comprises: a home terminal detecting whether data to be transmitted is a data stream or a datapacket; when the detection result i s that the data stream and the data packet exist simultaneously, then preferentially transmitting the data stream; and after the data stream transmission i s completed, transmitting the data packet. In the case that a data stream and a data packet exist simultaneously, the present invention can achieve the efficient transmission of the data stream without additional external time scheduling operations, thereby enhancing the promptness of data transmission, and improving the efficiency of interface transmission.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: COUNTERFEIT PROOF MULTI LAYERED PRODUCT AND METHOD FOR PRODUCING SAME

(51) International classification :D21H21/40,D21H17/33,B32B27/10

(31) Priority Document No :2012147218 (32) Priority Date :07/11/2012 (33) Name of priority

country :Russia

(86) International PCT/RU2013/000930 Application No

Filing Date :21/10/2013

(87) International Publication :WO 2014/074016

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

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

(71)Name of Applicant:

1)FEDERALNOE GOSUDARSTVENNOE UNITARNOE PREDPRIYATIE GOZNAK (FGUP GOZNAK)

Address of Applicant :Petropavlovskaya krepost 3 litera V

St.Petersburg 197046 Russia

(72)Name of Inventor:
1)TRACHUK Arkady Vladimirovich
2)KURYATNIKOV Andrei Borisovich
3)KORNILOV Georgy Valentinovich
4)FEDOROVA Elena Mikhailovna
5)TURKINA Elena Samuilovna

6)CHEKUNIN Dmitry Borisovich 7)TSVETKOV Vyacheslav Efimovich

8)PAVLOV Igor Vasilievich

9) RYBIN Konstantin Gennadievich

#### (57) Abstract:

The invention relates to paper technology and to products which are protected against counterfeiting such as identification documents bank cards and tokens serving as substitutes for banknotes. The technical result is that of producing banknote substitutes based on laminated plastics containing protective elements and being highly resistant to attack and mechanical wear during use and reducing the production cost thereof. The counterfeit proof multi layered product comprises paper sheets with protective elements said sheets being impregnated with a polymer binder and also outer polymer layers. The paper sheets are completely impregnated in a thermoset polymer melt or a thermoplastic polymer melt and the surfaces of each sheet are coated with a polymer layer. The method for producing a multi layered product comprises impregnating paper sheets with protective elements using a thermoset polymer melt or a thermoplastic polymer melt or mixtures thereof drying with partial polymerization assembling a stack of impregnated sheets hot pressing and laminating the stack while simultaneously forming a surface relief and cutting out products of a specified geometric shape.

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

(21) Application No.4673/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: PREPARATION OF POLY ALPHA 13 GLUCAN ESTERS AND FILMS THEREFROM

:C08B37/00,C08L5/00,C08J5/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/746328 (32) Priority Date :27/12/2012

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

(86) International Application No:PCT/US2013/076919 Filing Date :20/12/2013

(87) International Publication No: WO 2014/105698

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

(62) Divisional to Application :NA Number :NA

Filing Date

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

Delaware 19898 U.S.A. (72) Name of Inventor: 1)KASAT Rahul B. 2)PAULLIN Jayme L.

(57) Abstract:

Poly alpha 1 3 glucan ester compounds are disclosed herein with a degree of substitution of about 0.05 to about 3.0. Also disclosed are methods of producing poly alpha 1 3 glucan ester compounds and films made therefrom.

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

(21) Application No.4674/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS FOR RESTORATION OF HISTAMINE BALANCE

(51) International classification :A61K31/417,A61K31/66 (31) Priority Document No :61/733630

(32) Priority Date :05/12/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/046420

Filing Date :18/06/2013
(87) International Publication No :WO 2014/088641

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

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

:A61K31/417,A61K31/66 (71)**Name of Applicant :** 

1)BIOHEALTHONOMICS INC.

Address of Applicant :845 20th Street Suite 104 Santa Monica

CA 90403 U.S.A.

(72)Name of Inventor:

1)ARNOU Cristian

#### (57) Abstract:

Several embodiments provided herein relate to histamine dosing regimens are and uses of the such regimens in the restoration of histamine balance in subjects suffering from for example histapenia and/or histadelia. Several embodiments also relate to the use of histamine dosing regimens for the treatment and/or prevention of migraine headaches.

No. of Pages: 79 No. of Claims: 106

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: VERTICALLY STACKED OR DIVIDED FLUID FILTER SYSTEM FOR INLET

(51) International classification :C02F1/00,C02F1/28,B01D35/00 (71)Name of Applicant:

:04/12/2013

(31) Priority Document No :61/733020 (32) Priority Date :04/12/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/073112 No

Filing Date

(87) International Publication No:WO 2014/089207

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)WHIRLPOOL CORPORATION

Address of Applicant :2000 North M -63, MD -2200, Benton

Harbor -MI 49022 U.S.A. (72) Name of Inventor: 1) CUR, Nihat, O.

2)GOODWIN, Kirk, W. 3) KEE, Timothy A.

4) KENDALL , James , W. 5)KUEHL ,Steven ,John 6)MYERS, Verne, H.

7)PATERA, Ginger ,Elayne 8)SENNINGER, Mark, M.

# (57) Abstract:

A liquid (water) pitcher that includes a pitcher having a liquid receiving aperture configured to allow a liquid (water) to be delivered into an interior liquid storage volume defined by at least one upwardly extending wall extending upward from a base and a liquid (water) filter positioned within the pitcher that includes a filter housing and at least one gravity- driven fluid treatment medium within the filter housing where the filter housing has a plurality of fluid intake apertures and at least one treated fluid outlet configured to deliver treated fluid into an internal volume of a vessel wherein the at least one fluid filtering medium treats the liquid at a rate of at least about one liter per minute while removing at least chlorine odor and chlorine taste components from the liquid (water).

No. of Pages: 64 No. of Claims: 38

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: UNDERWEAR -TYPE DIAPER

(51) International classification :A61F13/496,A61F13/15,A61F13/49

(31) Priority Document No :2013021828 (32) Priority Date :06/02/2013

(33) Name of priority :Japan

(86) International :PCT/JP2014/051043
Application No

Filing Date :21/01/2014

(87) International Publication No :WO 2014/122979

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

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

(71)Name of Applicant:

1)UNICHARM CORPORATION

Address of Applicant: 182, Shimobun, Kinsei-cho,

Shikokuchuo -shi, Ehime 7990111 Japan

(72)Name of Inventor:
1)FUKUZAWA ,Masumi
2)MASAKI ,Shunsuke

## (57) Abstract:

Provided is an underwear- type diaper that that can be passed without difficulty around both legs opened in an M- shape of an infant less than half a year old. The underwear -type diaper (10) for an infant less than half a year old is such that both lateral edges of a front and a back waist panel (18, 19) provided with a waist elastic body are joined at a seam (20), a waist opening edge (22) is formed by the outer edges (18a, 19a) of the waist panels, and a pair of leg opening edges (23) are formed by both lateral edges (13c, 13d) of a crotch panel (13) and the inside edges (18b, 19b) of the front and back waist panels. When the connection of the seam is released and the underwear- type diaper (10) is extended in a flat shape, the dimensions (L1) of the spacing between the outer edges is in the range of 300-400 mm, and of the waist elastic bodies traversing the seam, the dimensions (L2) of the spacing between the waist elastic body at the front waist panel side closest to the inside edge of the front waist panel and the waist elastic body at the back waist panel side closest to the inside edge of the dimensions of the spacing between the outer edges.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: CASE FOR CONTAINING BIOLOGICAL SAMPLES AND CORRESPONDING METHOD OF USE

:B01L7/00,C12Q1/68,B01L3/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/723710 (32) Priority Date :07/11/2012

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

(86) International Application No: PCT/US2013/068995 Filing Date :07/11/2013

(87) International Publication No: WO 2014/074740

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

:NA Number :NA Filing Date

1)LIFE TECHNOLOGIES CORPORATION

Address of Applicant: 5791 Van Allen Way Carlsbad

California 92008 U.S.A. (72) Name of Inventor:

1)FONSECA Jorge

#### (57) Abstract:

A case for containing biological samples includes a base a substrate and a cover. The substrate includes a plurality of reaction regions disposed along a surface of the substrate and configured to receive one or more biological samples. The cover includes a downward facing surface is configured to be attached to the base to provide a cavity containing the substrate and is configured so that the downward facing surface of the cover is parallel or approximately parallel to the substrate surface. The cover may comprise a fill port disposed along the inner surface and is configured for at least partially filling the cavity when the cover is attached to the base. The base may comprise a plurality of tabs located on an upward facing surface thereof wherein the substrate is attached to the base by physical contact between at least some of the tabs and the substrate.

No. of Pages: 56 No. of Claims: 20

(22) Date of filing of Application :29/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR PROVIDING NON INVASIVE VENTILATION

(51) International :A61M16/00,A61M16/06,A61N1/362 classification

(31) Priority Document No :223004 :12/11/2012

(32) Priority Date (33) Name of priority

:Israel country

(86) International :PCT/IL2013/050924

Application No :10/11/2013 Filing Date

(87) International

:WO 2014/072981 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)INOVYTEC MEDICAL SOLUTIONS LTD. Address of Applicant: 3 Hanagar Street 4501306 Hod

Hasharon Israel

(72)Name of Inventor: 1)KANTOR Ehud 2)SHAHAR Mark 3)BARKAI Nir

## (57) Abstract:

The invention is a system that comprises both an Airway and Ventilation device (AV) and an Automated External Defibrillator (AED) device. The system is provided with means for assisting only minimally trained persons to operate it in emergency situations involving respiratory failure and/or cardiac arrhythmias. An integral part of AV of the system is a face mask comprised of two parts a face attachment unit configured to attach to the patient s face and a mask body that is releasably connected to the face attachment unit by a quick release mechanism allowing quick removal of the mask body from the face attachment unit leaving only the face attachment unit attached to the patients face in order to address urgencies such as vomiting. After vomiting ceases and is cleared then the mask body may be reattached to continue ventilation.

No. of Pages: 33 No. of Claims: 15

(22) Date of filing of Application :29/05/2015

(21) Application No.4694/DELNP/2015 A

(43) Publication Date: 27/11/2015

#### (54) Title of the invention: LOAD TESTER

#### (57) Abstract:

(19) INDIA

To provide a load tester that can appropriately detect internal anomalies. [Solution] This load tester (1) is provided with a resistance unit (20). Said resistance unit (20) contains one or more resistor groups each of which has a plurality of resistors and for a load test said resistance unit (20) is connected to a power supply being tested. This load tester (1) is also provided with a control unit (80) and a cooling fan (10) that cools the resistors in the resistance unit (20). The resistance unit (20) is provided with a current/voltage detection unit (20a) that detects the current flowing through or the voltage applied to the resistors the resistor group(s) or the resistance unit (20). The resistance unit (20) is also provided with a temperature detection unit (20b) that detects an exhaust temperature downstream of the resistance unit (20). The cooling fan (10) is provided with a rotation state detection unit (10a) that detects the rotation state of the cooling fan. On the basis of information from the current/voltage detection unit (20a) information from the temperature detection unit (20b) and information from the rotation state detection unit (10a) the abovementioned control unit (80) performs a shut off control operation that stops the supply of power from the power supply being tested to the resistance unit (20).

No. of Pages: 59 No. of Claims: 9

(21) Application No.4847/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHODS APPARATUS USER EQUIPMENT WIRELESS NETWORK NODE AND COMPUTER PROGRAM PRODUCT FOR RANDOM ACCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H04W48/18 :NA :NA :NA :PCT/CN2013/070375 :11/01/2013 :WO 2014/107884 :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)ZHANG, Zhang
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments of the disclosure provide a method, an apparatus, a wireless network node, a user equipment and a computer program product for random access in a wireless network. According to the method a RoT level may be selected from a plurality of RoT levels according to a predetermined policy, and a time period with the selected RoT level may be determined for initiating a random access request.

No. of Pages: 53 No. of Claims: 29

(22) Date of filing of Application :27/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PROCESSING UNIT AND USE OF A PLURALITY OF PROCESSING UNITS

(51) International :B01F13/00,B65D88/02,B65D88/12 classification

(31) Priority Document No :10 2012 112 815.4

(32) Priority Date :20/12/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/077053

:18/12/2013

Filing Date

(87) International Publication: WO 2014/095974

(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)BAYER TECHNOLOGY SERVICES GMBH

Address of Applicant : Kaiser Wilhelm Allee 50 51373

Leverkusen Germany

(72)Name of Inventor:

1)FRYE Lars 2)LIPSKI Florian 3)SCHMITZ Stefan

4)KRASBERG Nicolai 5)GNTHER Dietmar

6)MEYER Carsten 7) CONZEN Carsten

8)LIESENFELDER Ulrich 9)STEINMEISTER Ingo 10)BOOS Karl Robert 11)GDEL Wolfgang

12)KOECHING Karl Hermann

#### (57) Abstract:

The invention concerns a processing unit for assisting and/or performing a processing basic operation for a chemical reaction with an operating unit for preparing a contribution for the processing basic operation and a frame for accommodating the operating unit the frame having an extension din the longitudinal direction which corresponds substantially to an integral multiple Z of an integral portion N of an extension L in the longitudinal direction of an interior of a standard transport container in particular in accordance with DIN ISO 668 and/or the frame having an extension d in the transverse direction which corresponds substantially to an integral multiple Z of an integral portion N of an extension L in the transverse direction of an interior of a standard transport container in particular in accordance with DIN ISO 668. As a result thereof it is possible for example for different processing units to be stored in a pool for different processing basic operations and to be assembled in modular and flexible manner in the standard transport container depending on the plant structure required for the synthesis of a given chemical product thus enabling different chemical reactions to be performed with little outlay.

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

(21) Application No.4700/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: FLEXIBLE POUCH WIH A LARGER OPENING

(51) International :B65D30/20,B65D30/10,B65D77/06 classification

(31) Priority Document No :12198357.1

(32) Priority Date :20/12/2012 (33) Name of priority country: EPO

(86) International :PCT/EP2013/077512

Application No :19/12/2013

Filing Date

(87) International Publication :WO 2014/096270 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)NESTEC S.A.

Address of Applicant : Avenue Nestl 55 CH 1800 Vevey

Switzerland

(72) Name of Inventor:

1)VARBANOV Petar

# (57) Abstract:

The present invention relates to a flexible pouch (1) having a wider opening (2) allowing to get a better access of the content of the pouch (1). The perimeter (a) of the opening (2) of the flexible pouch (1) is greater than the perimeter (b) of its bottom (3). At least one of the lateral folding lines (5) of the flexible pouch (1) comprises a welding line (6) of a width (w). A part or all of the lateral welding lines (6) of the flexible pouch (1) have a width (w) which is not constant along its length. The invention also relates to a kit of part comprising the flexible pouch (1) according to the invention and a container (14) adapted to receive said flexible pouch (1).

No. of Pages: 38 No. of Claims: 24

(21) Application No.4701/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: EGFR TARGETED THERAPY OF NEUROLOGICAL DISORDERS AND PAIN

(51) International :C07K16/28,A61K39/395,A61K31/517 classification

(31) Priority Document No:61/740876 (32) Priority Date :21/12/2012

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

(86) International :PCT/EP2013/003931

Application No :20/12/2013 Filing Date

(87) International :WO 2014/095088 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)SYKEHUSET STRLANDET HF

Address of Applicant: Post box 416 4604 Kristiansand

Norway

(72) Name of Inventor: 1)KERSTEN Christian 2) CAMERON Marte Gr_nlie

3)MJ...LAND Svein

## (57) Abstract:

The present invention relates to compositions and methods for treatment of neurological disorders. In particular the present invention relates to the epidermal growth factor receptor (EGFR) as a clinical target for treatment of neurological disorders preferably in conjunction with neuropathic pain. The invention relates in more detail to compositions comprising inhibitors of EGFR

No. of Pages: 82 No. of Claims: 44

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : AEROSOL -GENERATING DEVICE COMPRISING MULTIPLE SOLID- LIQUID PHASE- CHANGE MATERIALS

(51) International classification	:A24F47/00	(71)Name of Applicant :
(31) Priority Document No	:13159401.2	1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:15/03/2013	Address of Applicant :Quai Jeanrenaud 3, CH -2000 Neuchtel
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/077890	(72)Name of Inventor:
Filing Date	:23/12/2013	1)SILVESTRINI ,Patrick Charles
(87) International Publication No	:WO 2014/139611	2)FARINE, Marie
(61) Patent of Addition to Application	:NA	3)ROWE ,Christopher James
Number	:NA	4)CANE, Michael Roger
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An aerosol- generating device (4) for use in an aerosol- generating system and an aerosol generating system comprising an aerosol-generating device (4) and an aerosol-generating article (2). The aerosol generating device (4) comprises: a cavity configured to receive an aerosol-generating article (2); a first solid-liquid-phase-change material (16) positioned about a perimeter of the cavity; and heating means (14) configured to heat the first solid-liquid-phase-change material (16) to a temperature above the melting point of the first solid-liquid-phase -change material (16). The aerosol-generating device (4) further comprises: a second solid-liquid-phase -change material (18) wherein the melting point of the second solid liquid phase- change material (18), is higher than the melting point of the first solid-liquid-phase-change material (16).

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

(21) Application No.4831/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: SUPPORT CRADLE FOR BOWLING BALLS

(51) International :A63B47/00,A63B47/04,B24B11/10 classification

(31) Priority Document No :20126311 (32) Priority Date :14/12/2012

(33) Name of priority country: Finland

(86) International Application: PCT/FI2013/051156

:11/12/2013

Filing Date (87) International Publication :WO 2014/091080

(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)OY KWH MIRKA AB

Address of Applicant: Pensalavgen 210, FI- 66850 Jeppo

Finland

(72) Name of Inventor: 1)H-GLUND, Gran

The present invention relates to a support cradle (1) for bowling balls (3). Such a support cradle comprises a support surface (2) adapted to a bowling ball and carried by a frame (4). The support cradle also comprises a bottom cup (7) disposed to join the support surface substantially tightly. The support surface adopts a shape that substantially corresponds to the geometry of the spherical surface (8) of the bowling ball (3). In this connection the support surface and the bowling ball fitted on this are disposed to form together a substantially tight joint. The support cradle also comprises a connection (9) for compressed fluid for introducing said compressed fluid through the connection in the support cradle, the compressed fluid introduced in the support cradle (1) forming a compressed -fluid cushion between the support surface and the bowling ball. In this manner the bowling ball is allowed to turn in any direction virtually frictionless.

No. of Pages: 12 No. of Claims: 11

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ARRANGEMENT AND METHOD FOR GRINDING SPHERICAL PRODUCTS

(51) International :A63D5/10,B24B27/00,B24B11/06 classification

(31) Priority Document No :61/731173

(32) Priority Date :29/11/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/FI2013/051116

:28/11/2013 Filing Date

(87) International Publication

:WO 2014/083243

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

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

Filing Date

(71)Name of Applicant: 1)OY KWH MIRKA AB

Address of Applicant: Pensalavgen 210, FI- 66850 Jeppo

Finland

(72) Name of Inventor: 1)H-GLUND, Gran

#### (57) Abstract:

The present invention relates to a method and an arrangement for grinding spherical products (12), such as e.g. bowling balls ,in particular. Such an arrangement comprises at least one grinding machine (1) having a spherically oscillating grinding movement. A fastening plate (6) fitted on the grinding machine has a spherically shaped bearing surface (7) and a grinding product (9) fitted on this which through its slits (13) adopts a position with accuracy of shape on the spherically shaped surface. The grinding product (9) will form a contact surface (17) in the interface in which the grinding product cooperates with the spherical product. This contact surface then adopts a radius of curvature arranged to substantially correspond to the radius (r) of the spherical product (12). The grinding is performed with a spherically oscillating grinding movement which is adapted to the radius of the spherical product and simultaneously coincides with the radius of curvature of the contact surface.

No. of Pages: 26 No. of Claims: 22

(21) Application No.4833/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ANALYSIS OF BREATHING DATA

(51) International classification :A61B5/113,G01B11/16,G06T7/20

:NA

:WO 2014/083337

(31) Priority Document No :1221336.9 (32) Priority Date :27/11/2012

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2013/053140

No :27/11/2013

Filing Date

(87) International Publication

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

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date

(71) Name of Applicant:

1)PNEUMACARE LIMITED

Address of Applicant :St John's Innovation Centre, St John's

Innovation Park, Cambridge CB4 0WS U.K.

(72)Name of Inventor:

1)LASENBY, Joan

2)DE BOER ,Willem Hessel

### (57) Abstract:

A method of analysing breathing data representing a shape of the trunk of a subject 104 as a function of time to monitor and/or analyse the subject s breathing pattern. The data is measured and processed into a data array relating to a 2- dimensional grid having grid points, a position in space of the shape at each grid point and points of time. The method includes the steps of mapping the data array onto a 2- dimensional array, decomposing the 2-dimensional array and forming a signature of the subject 104 from the decomposed 2-dimensional array representing a motion pattern.

No. of Pages: 34 No. of Claims: 29

(21) Application No.4834/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: WATER TREATMENT PROCESS

(31) Priority Document No (32) Priority Date	:C02F9/00,C02F1/463,E21B43/20 :61/734606 :07/12/2012	1)AQUATECH INTERNATIONAL CORPORATION Address of Applicant :One Four Coins Drive, Canonsburg
<ul><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li><li>Filing Date</li></ul>	:U.S.A. :PCT/US2013/071236 :21/11/2013	,Pennsylvania 15317 U.S.A. (72)Name of Inventor: 1)CHIDAMBARAN, Ravi 2)BISHT, Narendra Singh
(87) International Publication No	:WO 2014/088826	3)RAINA, Pavan
<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 process for enhanced removal of impurities from water by an enhanced multi- step electrocoagulation process including electrocoagulation, solids separation, hardness removal, crystallization, and, optionally, reverse osmosis and evaporative purification. Embodiments of the invention may remove multiple impurities at substantial savings in time, energy, and chemical use. Zero liquid discharge options are also reported.

No. of Pages: 60 No. of Claims: 47

(21) Application No.4688/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ACCELERATED PREDICTION OF CANCER PROGRESSION AND RESPONSE TO TREATMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C12Q1/68,C12M1/34,C12M3/00 :61/732375 :02/12/2012 :U.S.A.	(71)Name of Applicant:  1)BIOMEDCORE INC.  Address of Applicant: 1580 Rossi Drive Tecumseh Ontario N9A 6J3 Canada
(86) International Application No Filing Date	:PCT/IB2013/060580 :02/12/2013	(72)Name of Inventor : 1)SINHA Indrajit
(87) International Publication No	:WO 2014/083555	
<ul><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention provides a method to rapidly screen tumor cells for invasive and metastatic characteristics heterogeneity and their response to therapeutic agents and provides a multi well microinjection system for the automated imaging and microinjection of zebrafish embryos.

No. of Pages: 56 No. of Claims: 34

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: APPARATUS METHOD AND ARTICLE FOR VEHICLE TURN SIGNALS

(51) International classification	:B60Q1/34,B60Q11/00	(71)Name of Applicant:
(31) Priority Document No	:61/727403	1)GOGORO INC.
(32) Priority Date	:16/11/2012	Address of Applicant :3806 Central Plaza 18 Harbour Road
(33) Name of priority country	:U.S.A.	Wanchai Hong Kong China
(86) International Application No	:PCT/US2013/070131	(72)Name of Inventor:
Filing Date	:14/11/2013	1)HUANG Jui Sheng
(87) International Publication No	:WO 2014/078557	2)LUKE Hok Sum Horace
(61) Patent of Addition to Application	:NA	3)CHEN Ching
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A vehicle turn signal system causes a turn signal to turn off when a turn is completed or nearly completed based on the orientation of the vehicle changing to turn to a certain degree in a direction indicated by the turn signal. Current heading position location and/or or other such information is electronically received from a compass or other device by a turn signal switch controller. When the vehicle has changed direction from the direction the vehicle was traveling at the time associated with when the turn signal was turned on a signal is sent to turn off the turn signal and reset the manual turn signal button or lever.

No. of Pages: 42 No. of Claims: 26

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : NOVEL AMINOGLYCOSIDES AND USES THEREOF IN THE TREATMENT OF GENETIC DISORDERS

(51) International classification (71)Name of Applicant: :A61K31/7036 (31) Priority Document No 1)TECHNION RESEARCH & DEVELOPMENT :60/788,070 (32) Priority Date :03/04/2006 FOUNDATION LTD. (33) Name of priority country Address of Applicant : Senate House, Technion City, 32000 :U.S.A. (86) International Application No :PCT/IL2007/000463 | Haifa, Israel; Israel (72)Name of Inventor: Filing Date :10/04/2007 (87) International Publication No :WO2007/113847 1)BAASOV, Timor (61) Patent of Addition to Application 2)BEN-YOSEF, Tamar :NA Number 3)NUDELMAN, Igor :NA Filing Date 4) REBIBO-SABBAH, Annie (62) Divisional to Application Number :9136/DELNP/2008 5)SHALLOM-SHEZIFI, Dalia Filed on :31/10/2008 6)HAINRICHSON, Mariana

#### (57) Abstract:

new class of paromomycin-derived aminoglycosides (Formula I), which exhibit efficient stopcodon mutation suppression activity, low cytotoxicity and selectivity towards eukaryotic cells are provided. Also provided are processes of preparing these paromomycin-derived aminoglycosides and intermediates thereof, as well as pharmaceutical compositions containing the same, and uses thereof in the treatment of genetic disorders.

No. of Pages: 124 No. of Claims: 20

(21) Application No.4841/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : ALKYL AMIDE -SUBSTITUTED PYRIMIDINE COMPOUNDS USEFUL IN THE MODULATION OF IL -12 , IL- 23 AND/OR IFNa $\,$

(51) International classification :C07D239/95,A61K31/513,A61P35/00 (31) Priority Document No :61/723827 (32) Priority Date :08/11/2012 (33) Name of priority :U.S.A.

country :U.S.A

(86) International Application No :PCT/US2013/068866

Filing Date :07/11/2013

(87) International Publication No :WO 2014/074670

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

(71)Name of Applicant:

1)BRISTOL- MYERS SOUIBB COMPANY

Address of Applicant :P.O. Box 4000, Route 206 and Province

Line Road, Princeton, New Jersey 08543-4000 U.S.A.

(72)Name of Inventor:1)SANTELLA, Joseph B.2)MOSLIN, Ryan M.3)WEINSTEIN, David S.

5)TOKARSKI "John S.

4)WROBLESKI ,Stephen T.

(57) Abstract:

Compounds having the following formula (I): or a stereoisomer or pharmaceutically- acceptable salt thereof where R1, R2, R3, R4, and R5 are as defined herein, are useful in the modulation of IL -12, IL -23 and/or IFNa by acting on Tyk- 2 to cause signal transduction inhibition.

No. of Pages: 64 No. of Claims: 15

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: BICYCLIC HETEROCYCLE SUBSTITUTED PYRIDYL COMPOUNDS USEFUL AS KINASE **MODULATORS**

(51) International :C07D401/12,C07D413/12,C07D417/12 classification (31) Priority Document

:61/723851

(32) Priority Date :08/11/2012 (33) Name of priority :U.S.A.

country (86) International

:PCT/US2013/068829 Application No

:07/11/2013 Filing Date

(87) International

:WO 2014/074657 **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)BRISTOL- MYERS SOUIBB COMPANY

Address of Applicant: Route 206 and Province Line Road,

Princeton, New Jersey 08543 U.S.A.

(72) Name of Inventor: 1)BHIDE ,Rajeev ,S. 2)DUNCIA, John, V. 3) HYNES, John

4)NAIR ,Satheesh, Kesavan

5)PITTS, William, J.

6) KUMAR, Sreekantha, Ratna

7) GARDNER, Daniel S. 8) MURUGESAN, Natesan 9) PAIDI, Venkatram, Reddy 10)SANTELLA III ,Joseph ,B.

11)SISTLA, Ramesh, K.

12)WU,Hong

(57) Abstract:

Compounds having the following formula (I) or a stereoisomer or a pharmaceutically -acceptable salt thereof, wherein R2 is a bicyclic heterocycle, and R1, R3, R4, R5, and R6 are as defined herein that are useful as kinase modulators, including IRAK-4 modulation.

No. of Pages: 254 No. of Claims: 12

(21) Application No.4843/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: AMIDE-SUBSTITUTED HETEROCYCLIC COMPOUNDS USEFUL AS MODULATORS OF IL-12 ,IL-23 AND/OR IFN ALPHa RESPONSES

(51) International :C07D403/12,C07D401/12,C07D237/24 classification

(31) Priority Document :61/723840

(32) Priority Date :08/11/2012 (33) Name of priority

:U.S.A. country

(86) International

:PCT/US2013/068846 Application No :07/11/2013

Filing Date

(87) International

:WO 2014/074661 **Publication No** 

(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)BRISTOL MYERS SOUIBB COMPANY

Address of Applicant :Route 206 and Province Line Road

Princeton New Jersey 08543 4000 U.S.A.

(72) Name of Inventor:

1)MOSLIN Rvan M.

2) WEINSTEIN David S.

3)WROBLESKI Stephen T.

4)TOKARSKI John S.

5)KUMAR Amit

6)BATT Douglas G.

7)LIN Shugun

8)LIU Chunjian

9)SPERGEL Steven H.

10)ZHANG Yanlei

Compounds having the following formula I: or a stereoisomer or pharmaceutically- acceptable salt thereof, where R1, R2, R3, R4, and R5 are as defined herein, are useful in the modulation of IL-12, IL-23 and/or IFNa - by acting on Tyk-2 to cause signal transduction inhibition.

No. of Pages: 208 No. of Claims: 15

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR ASSESSING USER EXPERIENCE

(51) International :H04L12/24,H04L12/26,G06F15/18 classification (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country: NA (86) International Application :PCT/EP2012/075371

:13/12/2012

Filing Date

(87) International Publication :WO 2014/090308

(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)HUANG, Vincent

#### (57) Abstract:

A method of assessing user experience is disclosed. The method comprises the steps of monitoring network data and user- user equipment interaction data for a plurality of users, within the network (step 110), generating a measure of user experience from the monitored user- user equipment interaction data for at least some of the plurality of users (step 120) and inferring a function relating network data to user experience measure from the monitored network data and the generated user experience measures (130). The method further comprises using the inferred function to predict user experience measures from network data for users within the network (step 140). Also disclosed are a computer program product for carrying out a method of assessing user experience and a system (200) configured to assess user experience.

No. of Pages: 31 No. of Claims: 15

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING THE HEALTH AND REMAINING SERVICE LIFE OF AUSTENITIC STEEL REFORMER TUBES AND THE LIKE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01N27/82 :61/735505 :10/12/2012	(71)Name of Applicant: 1)ARCELORMITTAL INVESTIGACION Y DESARROLLO S.L.
(33) Name of priority country	:U.S.A.	Address of Applicant :CL/Chavarri 6 Sestao ES 48910 Biskaia
(86) International Application No Filing Date	:PCT/US2013/074216 :10/12/2013	Spain 2)MASLEID, Michael
(87) International Publication No	:WO 2014/093404	3)NIEMCZURA Zofia
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)TSVIK George (72)Name of Inventor: 1)MASLEID Michael
(62) Divisional to Application Number Filing Date	:NA :NA	2)NIEMCZURA Zofia 3)TSVIK George

## (57) Abstract:

Testing methods and apparatus for testing the health of steel tubes used in reformers and other tubes and pipes used in other high temperature applications. The method includes the steps of transmitting two sinusoidal electromagnetic signals each having a different frequency F1 and F2 into the reformer tube receiving a response signal and analyzing the received response signal s intermodulation frequencies to determine the state of the steel reformer tube.

No. of Pages: 27 No. of Claims: 20

(21) Application No.4697/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : ABSORBENT ARTICLE HAVING A LOTION COMPOSITION AND A METHOD OF MAKING 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>	:A61F13/511 :12198488.4 :20/12/2012 :EPO :PCT/US2013/075913 :18/12/2013 :WO 2014/100068 :NA :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati OH 45202 U.S.A. (72)Name of Inventor: 1)GAGLIARDI Ivano 2)DADDARIO Roberto 3)VANDELOO Uwe
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#### (57) Abstract:

The present invention relates to an absorbent article such as a diaper or sanitary napkin and pantiliner. Specifically the present invention relates to a lotion formulation which is applied on at least a portion of the body facing surface of the topsheet in a specific manner. The present invention also provides a process for manufacturing an absorbent article comprising the lotion composition applied in a specific manner.

No. of Pages: 28 No. of Claims: 14

(21) Application No.4698/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND DEVICES FOR MIMO TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B7/04 :NA :NA :NA :NA :PCT/CN2012/086907 :19/12/2012 :WO 2014/094246 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON(PUBL) Address of Applicant: SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)ZHANG Zhang 2)G-RANSSON, Bo 3)GU, Xinyu 4)LARSSON, Erik 5)MIAO, Qingyu
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#### (57) Abstract:

Methods and devices of controlling impact from interference from transmission to a 4 branch Multiple Input Multiple Output MIMO enabled User Equipment UE in a cellular radio system where legacy non 4 branch MIMO UEs co exist are provided. The control involves determining an estimated Channel Quality Indicator CQI delay and based on the estimated CQI delay determining if there exists a CQI under estimation or CQI over estimation. The control of the impact from high rank interference from transmission to the 4 branch MIMO enabled UE is based on a determined CQI under estimation or CQI over estimation.

No. of Pages: 27 No. of Claims: 12

(21) Application No.4699/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: LAMINATION MADE OF RIGID SUBSTRATES WITH THIN ADHESIVE STRIPS

(51) International classification :B29C65/50,B32B7/12,C09J7/00 (71)Name of Applicant :

(31) Priority Document No :10 2012 222 056.9

(32) Priority Date :03/12/2012 (33) Name of priority country :Germany

(86) International Application :PCT/EP2013/074595

No :25/11/2013 Filing Date

(87) International Publication No: WO 2014/086610

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)TESA SE

Address of Applicant : Quickbornstrae 24 20253 Hamburg

Germany

(72)Name of Inventor:

1)DOLLASE Thilo

2)KRAWINKEL Thorsten 3)SCHERF Lesmona

4)BAI Minyoung

#### (57) Abstract:

The invention relates to a laminate made of two rigid substrates and an adhesive film arranged between said substrates. At least one of the rigid substrates is transparent the thickness of the adhesive film is not greater than 80 µm and the adhesive film comprises at least one adhesive layer made of an adhesive compound to which one or more plasticizers are added at least one plasticizer of said plasticizers being a reactive plasticizer. The proportion of the plasticizers to the adhesive compound totals at least 15 wt.% and the proportion of the reactive plasticizer to the adhesive compound is at least 5 wt.%.

No. of Pages: 44 No. of Claims: 14

(21) Application No.4860/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DATALOGGER IN HOSPITAL OR CARE BED

(51) International classification	:A61G7/018,G06F19/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2012 00791	1)LINAK A/S
(32) Priority Date	:14/12/2012	Address of Applicant :Smedevaenget 8 ,Guderup, DK- 6430
(33) Name of priority country	:Denmark	Nordborg Denmark
(86) International Application No	:PCT/DK2013/000088	(72)Name of Inventor:
Filing Date	:13/12/2013	1)MADSEN ,Allan H.
(87) International Publication No	:WO 2014/090254	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A communication system for exchanging data between an actuator system and an external device, e.g., an operation where the communication system under the form of a gateway and a transcoder interprets the information in a bidirectional stream of data and distributes the information to both ends. The communication system is furthermore provided with a logger function, where the signals that are sent out to both sides of the gateway, are stored in a memory, so that the actions and signals that lead to an alteration on the actuator can later be reconstructed.

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

(21) Application No.4704/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD OF IMPROVING MICROBIOLOGICAL STABILITY IN A STILL WATER BASED BEVERAGE AND MICROBIOLOGICALLY SHELF STABLE STILL WATER BASED BEVERAGES

:A23L2/44,A23L2/54,A23L2/68 (71)Name of Applicant : (51) International classification (31) Priority Document No :12197699.7 1)NESTEC S.A. :18/12/2012 (32) Priority Date Address of Applicant : Avenue Nestl 55 CH 1800 Vevey (33) Name of priority country Switzerland :EPO (86) International Application No: PCT/EP2013/075574 (72) Name of Inventor: 1)FOHRER Virginie Filing Date :04/12/2013 (87) International Publication No: WO 2014/095377 2)MELO Jacqueline (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

The present invention relates to a method of improving microbiological stability in a still water based beverage with respect to undesirable growth of microbiological spoilage such as yeast and/or mould growth during their preparation and/or storage.

No. of Pages: 17 No. of Claims: 15

(21) Application No.4705/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD OF IMPROVING SOLUBILITY OF ZINC IN ZINC CONTAINING STILL DRINKING WATER AND SHELF STABLE ZINC CONTAINING STILL DRINKING WATER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C02F1/66,A23L1/304,A23L2/54 :12197698.9 :18/12/2012	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No Filing Date	:PCT/EP2013/075566 :04/12/2013	(72)Name of Inventor: 1)MARCHAL Eric 2)ROUX Yohann
(87) International Publication No	:WO 2014/095375	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
<ul><li>(62) Divisional to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	

## (57) Abstract:

The present invention relates to an efficient method of improving the solubility of zinc in zinc containing still drinking water so as to extend its shelf life. This method comprises a carbonating step of said still drinking water with a low carbon dioxide concentration.

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

(22) Date of filing of Application :30/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BEVERAGE PRODUCTION DEVICE WITH ENHANCED RECEPTACLE INJECTION MEANS

<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>	:12196148.6 :07/12/2012 :EPO	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland
(86) International Application No Filing Date	:PCT/EP2013/075642 :05/12/2013	(72)Name of Inventor : 1)KOLLEP Alexandre
(87) International Publication No	:WO 2014/086915	2)2202222 1202441010
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
Timig Date	.11/1	

#### (57) Abstract:

The invention proposes a device (10) for preparing a beverage from ingredients contained in a capsule (20) the device comprising: a brewing unit (14) designed for receiving the capsule (20) and preparing the beverage from the ingredients by means of injection of hot pressurized liquid into the capsule receptacle support means (11) designed to support and to selectively connect to a receptacle (1) for receiving the resulting beverage beverage delivery means (17 19a) adapted to collect and/or guide the resulting beverage from the brewing unit (14) to the receptacle support means (11) and injection means (22) adapted to selectively open a portion of an outer wall (2a 2b) of the receptacle (1) connected to the receptacle support means (11) and to establish a fluid communication between the beverage delivery means (17 19a) and the receptacle (1).

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: NON FRIED POTATO CHIPS AND PRODUCTION METHOD THEREFOR

:A23L1/216,A23L1/217 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)NISSIN FOODS HOLDINGS CO. LTD. :2012258408 (32) Priority Date :27/11/2012 Address of Applicant: 1-1, Nishinakajima 4 -chome, (33) Name of priority country Yodogawa- ku ,Osaka- shi, Osaka 532-8524 Japan :Japan (72) Name of Inventor: (86) International Application No :PCT/JP2013/006940 1)ONISHI, Atsushi Filing Date :26/11/2013 (87) International Publication No :WO 2014/083838 2)MIYAZAKI ,Yoshifumi (61) Patent of Addition to Application 3)TANAKA,Mitsuru :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The purpose of the present invention is to provide a production method that obtains non-fried potato chips having a low fat content as a result of being produced without being fried in oil , and not being inferior in flavor or texture to potato chips produced by frying in oil. This production method for potato chips is characterized by including: a first heating step in which sliced potato is heated by having a high- temperature, high- speed air flow of at least  $100^{\circ}$ C blown thereupon while water is being added; and a second heating step in which , after the first heating step , the sliced potato is heated by having a high- temperature, high- speed air flow of at least  $100^{\circ}$ C blown thereupon while water is not being added or less water is being added.

No. of Pages: 19 No. of Claims: 8

(21) Application No.4858/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: USE OF PIDOTIMOD TO TREAT ATOPIC DERMATITIS

(51) International classification (31) Priority Document No	:A61K31/427,A61K38/05,A61P17/00 :NA	(71)Name of Applicant:  1)POLICHEM S.A.  Address of Applicant:50, Val Fleuri, L- 1526 Luxembourg
(32) Priority Date	:NA	Luxembourg
(33) Name of priority country	:NA	(72)Name of Inventor : 1)MAILLAND, Federico
(86) International Application No Filing Date	:PCT/EP2012/076086 :19/12/2012	2)CASERINI ,Maurizio
(87) International Publication No	:WO 2014/094839	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention is directed to the use of pidotimod, or a physiologically acceptable salt thereof, to treat atopic dermatitis. For the treatment of the present invention, pidotimod, or a physiologically acceptable salt thereof, is preferably administered topically.

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SHAPE MEMORY ALLOY ACTUATOR FOR VALVE FOR A VAPOUR COMPRESSION SYSTEM

(51) International classification	:F03G7/06,F16K31/00	(71)Name of Applicant:
(31) Priority Document No	:13151650.2	1)DANFOSS A/S
(32) Priority Date	:17/01/2013	Address of Applicant :Nordborgvej 81, DK- 6430 Nordborg
(33) Name of priority country	:EPO	Denmark
(86) International Application No	:PCT/EP2014/050653	(72)Name of Inventor:
Filing Date	:15/01/2014	1)BEEK, Johan ,van
(87) International Publication No	:WO 2014/111397	2)BIRKELUND, Michael
(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 an actuator for a valve in a refrigeration system. The invention also relates to a valve with such actuator , and to a refrigeration system with such valve. The actuator comprises an elongated Shape Memory Alloy (SMA) element extending along two or more string like extensions from a distant end to a proximate end in relation to a valve element of a valve. The SMA element , when forming part of the valve may extend from the distant end to the proximate end connected to a housing of the SMA element, however ,electrically insulated from the housing. An encapsulation may provide a thermal resistance , a thermal conductor and/or an electrical resistance between the SMA element and other elements or the surroundings of the SMA element.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHODS AND APPARATUS FOR RESOLVING DATA INCONSISTENCIES IN AN IMS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04L29/14,H04L29/06 :NA :NA :NA :PCT/EP2012/077057 :28/12/2012 :WO 2014/101953 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: SE- 164 83 Stockholm Sweden (72)Name of Inventor: 1)MERINO VAZQUEZ, Emiliano 2)AUSTRELL, Tobias, Olof 3)BEJARANO GARCIA, Francisca 4)HERAS CANO, David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A Serving Call Session Control Function, S -CSCF, within an IP Multimedia Subsystem, IMS, core network is capable of sending to its Home Subscriber Server, HSS, notifications indicating IMS user registration state changes. The S -CSCF also comprises a detector for detecting delivery failure of a notification of an IMS registration state change sent to a HSS relating to a given user. The S-CSCF stores an association between an identifier of said given user and an indication of said delivery failure. An event handler in the S-CSCF detects an event relating to said given user, the event requiring an IMS registration state change for the user, determines that the S-CSCF currently stores a corresponding delivery failure indication, and sends a further notification to the HSS, including both an indication of the required IMS registration state change and an indication of a previous loss of IMS registration state synchronisation for the user between the S-CSCF and the HSS.

No. of Pages: 24 No. of Claims: 18

(21) Application No.4731/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention: PRESSURE SENSITIVE ADHESIVE COMPOUND CONTAINING A CROSS LINKED NANOPARTICLE NETWORK METHOD OF PRODUCTION AND USE THEREOF

(51) International classification: B82Y40/00,C09J7/02,C09J153/02 (71) Name of Applicant:

(31) Priority Document No :13152987.7

(32) Priority Date :29/01/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/050500

:13/01/2014 Filing Date

(87) International Publication

:WO 2014/117993 (61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)TESA SE

Address of Applicant: Quickbornstrae 24, 20253 Hamburg

Germany

(72) Name of Inventor:

1)KEITE- TELGENBSCHER, Klaus

2)SCHUH, Christian 3)LHMANN, Bernd 4)DOLLASE, Thilo 5)BAI, Minyoung

6)KRAWINKEL, Thorsten

#### (57) Abstract:

Pressure- sensitive adhesive compound comprising at least two components forming one phase each, from which an IPN with at least two phases is produced, especially by a cross-linking build-up reaction, the first phase (elastomeric phase) having at least a softening temperature according to DSC of less than 23°C, and the second phase, after the build -up reaction, having a softening temperature according to DSC of greater than 23°C, the two phases having the morphology of a cross-linked nanoparticle network after the build -up reaction.

No. of Pages: 50 No. of Claims: 19

(22) Date of filing of Application :01/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD OF MANUFACTURING A FILTER

(51) International :B01D46/00,B01D46/10,B01D46/52

classification

(31) Priority Document No :1260783 (32) Priority Date :13/11/2012 (33) Name of priority country: France

(86) International :PCT/FR2013/052726

Application No :13/11/2013 Filing Date

(87) International Publication :WO 2014/076417

(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)MECAPLAST

Address of Applicant: 4 et 6, avenue Albert II, F-98014

Monaco France

(72) Name of Inventor: 1)LEBRUN, Michel 2)BAZIN "Jean -Pierre 3)CARRON, Herv

(57) Abstract:

This method involves the steps consisting in: a) paying out a strip (1) of synthetic filter medium having two longitudinal edges (2, 3) and guiding it in a feed direction, b) making a plurality of score lines (6) on the strip (1) in a direction transverse to the longitudinal edges (2, 3), c) raising the temperature of two longitudinal zones (8, 9) each located near a longitudinal edge (2, 3) of the strip (1) so as to cause same to melt and d) folding the strip (1) of filter medium along each score line (6) so that a portion of a longitudinal zone (8, 9) positioned upstream of a score line (6) in the direction of feed of the strip (1) of filter medium is welded to a portion of a longitudinal zone (8, 9) positioned downstream of this score line (6). The invention also targets a device (200) for implementing the method as described hereinabove and a filter (100) for a motor vehicle.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: MULTI-PATH COMBINATION METHOD, DEVICE AND MOBILE 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</li> <li>Filing Date</li> </ul>	:H04J13/00 :201210439925.7 :07/11/2012 :China :PCT/CN2013/085191 :14/10/2013 :WO 2014/071792 :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan Shenzhen, Guangdong 518057 China (72)Name of Inventor:  1)SUN, Yantao
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided in an embodiment of the present invention are a multi- path combination method, device and mobile communication system, for solving the problem of being incapable of dynamically setting a branch weighting coefficient in current multi- path reception and combination techniques. The device comprises: a communication signal receiving module configured to receive via multiple branches a communication signal transmitted by a mobile terminal, a weighting coefficient calculation module configured to calculate the branch weighting coefficient sequentially according to the channel parameter of the branch and the communication signal received by the branch, and a multi- path combination module configured to perform maximal- ratio combination on the received communication signal according to the weighting coefficient of the branch. The technical solution in the embodiment of the present invention provides a better combination effect compared with the combination solution in the relevant art having a fixed weighting coefficient, thus improving user experience.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : FEED CHANNEL COMPRISING AN EXPANSION BODY FOR CHARGING THE SEPARATOR ELECTRODE OF A WET OVERSPRAY SEPARATOR 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>	:10 2012 023 554.2 :01/12/2012 :Germany :PCT/EP2013/003449 :15/11/2013 :WO 2014/082712 :NA	(71)Name of Applicant:  1)EISENMANN AG  Address of Applicant: T ¹ / ₄ binger Str. 81, 71032 Bblingen Germany (72)Name of Inventor:  1)R-CKLE, J ¹ / ₄ rgen
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a separator unit (1) that is intended for use in a separator device for overspray in an installation for coating objects, being known to comprise a panel- shaped separator electrode (3) on which at least one separator surface is formed for the overspray. A feed device (2) ensures that a separator liquid can be fed to the separator surface of said separator electrode (3). It comprises a channel (4) that can be filled with the separator liquid, as well as a removal device with which separator liquid can be removed from said channel (4). The latter comprises a shape -changing, flexible and/or elastic expansion element (7) arranged in said channel (4), which at least partially delimits a closed cavity (30). A further component of the removal device is a pump device (9) with which a pressure medium can be pushed into the closed cavity (30). As a result of the volume expansion of the closed cavity (30) when pumping up said expansion element (7), separator liquid is displaced over the edges of the channel (4) and from here it can be conducted onto the separator surface of the separator electrode (3) in a suitable manner.

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

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR PRODUCING TIRE -CURING BLADDER

:B29C35/02,B29D30/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC :61/739434 (32) Priority Date :19/12/2012 Address of Applicant: 535 Marriott Drive, Nashville, (33) Name of priority country :U.S.A. Tennessee 37214 U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/073991 Filing Date :10/12/2013 1)ASPER .Robert (87) International Publication No :WO 2014/099458 2)NESBITT, Adam (61) Patent of Addition to Application 3)BARR ,Jason :NA Number 4) GRAHAM, Clinton :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A method for forming and curing an uncured tire-curing bladder with a bladder-curing bladder includes providing an uncured tire-curing bladder having an inner and outer-surface on or in a recess of an outer surface curing mold; inflating the bladder curing bladder into the recess and exerting pressure on the inner surface of the uncured tire-curing bladder; and curing the uncured tire-curing bladder by providing heat, pressure, or both to the inner surface and the outer surface of the tire-curing bladder to form a cured tire-curing bladder. A thin tire-curing bladder and a curing apparatus are also provided.

No. of Pages: 24 No. of Claims: 15

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : A NOVEL COPOLYMER OF PHASE CHANGE MATERIAL FOR THERMAL MANAGEMENT OF PV MODULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C09K5/06,H01L31/042 :61/735413 :10/12/2012 :U.S.A. :PCT/US2013/073029 :04/12/2013 :WO 2014/093081 :NA :NA :NA	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC. Address of Applicant: Patent Services M/S AB/ 2B, 101 Columbia Road, P.O. Box 2245, Morristown NJ 07962-2245 U.S.A. (72)Name of Inventor: 1)HAN, Jeffrey 2)WANG, Wei, Jun 3)ZHANG, Honsheng 4)HUANG, Neo
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## (57) Abstract:

The present invention relates to phase change materials (PCMs) which may be used with photovoltaic (PV) modules. More specifically ,solid/solid PCMs having a polyolefin backbone polymer and a crystallizable side chain are provided. Preferably , the solid/solid PCM has a copolymer backbone having a polyolefin repeating unit , and the crystallizable side chains are grafted onto the copolymer backbone. Most preferably ,the copolymer is poly(ethylene- co --glycidyl methacrylate) (PE- co- GMA) , and polyethylene glycol (PEG) is the crystallizable side chain. Photovoltaic modules and backsheets for photovoltaic modules having solid/solid PCMs are also provided.

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

(21) Application No.4876/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: DIAZOLE LACTAMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K31/497 :61/734705 :07/12/2012 :U.S.A. :PCT/US2013/073692 :06/12/2013 :WO 2014/089495 :NA :NA :NA	(71)Name of Applicant:  1)CHEMOCENTRYX, INC.  Address of Applicant: 850 Maude Avenue, Mountain View ,California 94043 U.S.A. (72)Name of Inventor:  1)CHEN,Xi  2)FAN,Pingchen  3)LI,Yandong  4)POWERS,Jay P.  5)MALATHONG,Viengkham  6)PUNNA, Sreenivas 7)TANAKA, Hiroko 8)ZHANG,Penglie 9)NA
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# (57) Abstract:

Compounds are provided that act as potent antagonists of the CCR1 receptor , and have in vivo anti- inflammatory activity. The compounds are diazole lactam derivatives and are useful in pharmaceutical compositions , methods for the treatment of CCR1-mediated disease , and as controls in assays for the identification of competitive CCR1 antagonists.

No. of Pages: 124 No. of Claims: 28

(21) Application No.4877/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: NEW CYCLOHEXYL AND QUINUCLIDINYL CARBAMATE DERIVATIVES HAVING BETA2 ADRENERGIC AGONIST AND M3 MUSCARINIC ANTAGONIST ACTIVITY

 $: A61K47/48, A61P11/08, A61K31/13 \bigg| \begin{tabular}{c} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ (51) International classification

(31) Priority Document No :12382513.5 (32) Priority Date :18/12/2012

(33) Name of priority country: EPO

(86) International :PCT/EP2013/076973

Application No :17/12/2013

Filing Date (87) International Publication :WO 2014/095920

(61) Patent of Addition to

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

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

1)ALMIRALL .S.A.

Address of Applicant :Ronda del General Mitre 151, E- 08022

Barcelona Spain

(72) Name of Inventor: 1)SOLE FEU, Laia

2) CARRANCO MORUNO, Ines 3)AIGUADE BOSCH "Jose 4)PUIG DURAN, Carlos 5)FONQUERNA POU, Silvia

## (57) Abstract:

The present invention relates to novel compounds having 2 adrenergic agonist and M3 muscarinic antagonist dual activity to pharmaceutical compositions containing them to the process for their preparation and to their use in respiratory therapies.

No. of Pages: 237 No. of Claims: 32

(21) Application No.4736/DELNP/2015 A

1)SAMSUNG ELECTRONICS CO., LTD.

Suwon- si, Gyeonggi- do 443- 742 Republic of Korea

Address of Applicant: 129, Samsung-ro, Yeongtong-gu,

(19) INDIA

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

(43) Publication Date: 27/11/2015

(71)Name of Applicant:

(72)Name of Inventor:

1)PARK, Sung-jin

2)KIM, Hyun -young

## (54) Title of the invention: USER TERMINAL, EXTERNAL APPARATUS, DATA TRANSCEIVING SYSTEM, AND DATA TRANSCEIVING METHOD

(51) International

:H04W88/02,H04W4/08,H04W4/02

classification

:1020120125556

(31) Priority Document No (32) Priority Date

:07/11/2012

(33) Name of priority country: Republic of Korea

(86) International Application :PCT/KR2013/009995

No

Filing Date

:06/11/2013

(87) International Publication: WO 2014/073847

(61) Patent of Addition to :NA

**Application Number** 

:NA

Filing Date (62) Divisional to Application :NA

Number

Filing Date

:NA

## (57) Abstract:

A user terminal is provided. The user terminal includes a communicator configured to communicate with an external apparatus a sound detector configured to detect a sound around the user terminal during a period of time, a location detector configured to detect a location of the user terminal during the period of time, and a controller configured to transmit information regarding the detected sound and the detected location to the external apparatus, and transmit data relevant to a user group determined based on the information regarding the detected sound and the detected location to the external apparatus or receive the data from the external apparatus.

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

The Patent Office Journal 27/11/2015

(21) Application No.4737/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: DEVICE FOR FILLING OR EMPTYING A CONTAINER

:B67C3/10,B67C9/00,B67D1/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2012 021 775.7

(32) Priority Date :06/11/2012 (33) Name of priority country :Germany

(86) International Application No: PCT/DE2013/000646

Filing Date :30/10/2013 (87) International Publication No: WO 2014/071903

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

Number :NA Filing Date

1)LEIBINGER GMBH

Address of Applicant :Br1/4hlstrasse 1, D-79331 Teningen

Germany

(72)Name of Inventor: 1)LEIBINGER, Benedikt

#### (57) Abstract:

A device for filling or emptying a container (1) containing a liquid particularly intended for consumption has a rod (5) arranged on a holder (4) with a surrounding, balloon-shaped body (6). The length of the rod (5) can be adapted to different distances between the top opening (3) of the container (1) and the base (2) of the container (1).

No. of Pages: 17 No. of Claims: 7

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ROTATING-LEVER-POSITION-HOLDING DEVICE

(51) International classification	:G05G5/06	(71)Name of Applicant:
(31) Priority Document No	:2012269435	1)AISIN SEIKI KABUSHIKI KAISHA
(32) Priority Date	:10/12/2012	Address of Applicant :1, Asahi- machi 2- chome ,Kariya- shi,
(33) Name of priority country	:Japan	Aichi 448-8650 Japan
(86) International Application No	:PCT/JP2013/082695	(72)Name of Inventor:
Filing Date	:05/12/2013	1)SUZUMURA Makoto
(87) International Publication No	:WO 2014/091995	2)NISHIO Takashi
(61) Patent of Addition to Application	:NA	3)SONO Yasuhiko
Number	:NA	4)KOJIMA Kazunori
Filing Date	.11/1	5)IWATA Masanari
(62) Divisional to Application Number	:NA	6)FUKUCHI Satoshi
Filing Date	:NA	7)YAMADA Yusuke

#### (57) Abstract:

This -rotating -lever -position- holding device is equipped with a rotating lever (25) and a torsion spring (26). The rotating lever (25) is elastically held at two positions, a first position ((a) position) and a second position ((c) position). The torsion spring (26) has a winding part (26a), and a first arm part (26b) and a second arm part (26c) which extend from the winding part. The first arm part (26b) has a peak part (26b1) formed therein while the second arm part (26c) has a reverse -direction biasing part (26c1) formed therein. The biasing force caused by the reverse -direction biasing part (26c1) acts on the rotating lever (25) as a braking force in opposition to the biasing force caused by the peak part (26b1). In addition, a base member (90) has a restricting member (96) formed thereon for contacting the first arm part when the rotating lever (25) rotates past the neutral position to the first-position side.

No. of Pages: 34 No. of Claims: 6

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : A SYSTEM , METHOD , COMPUTER PROGRAM AND DATA SIGNAL FOR THE REGISTRATION, MONITORING AND CONTROL OF MACHINES AND DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F19/00 :2012904989 :12/11/2012 :Australia :PCT/AU2013/001303 :12/11/2013 :WO 2014/071465 :NA :NA	(71)Name of Applicant:  1)C2 SYSTEMS LIMITED  Address of Applicant: C/o Marks & Clerk Hong Kong, Level  9, Cyberport 1, 100 Cyberport Road, Pok Fu Lam, Hong Kong Hongkong(China)  2)STORR, James Robert  (72)Name of Inventor:  1)STORR, James Robert
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#### (57) Abstract:

The present invention provides a method for controlling a robotic device, comprising the steps of, receiving at a computing device at least one command arranged to effect an operation on the robotic device, reviewing the command to determine whether the command is suitable for execution, wherein the command is provided to the device only if the command is suitable for execution.

No. of Pages: 82 No. of Claims: 28

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: TYRE WITH ASYMMETRIC CROWN

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B60C9/30,B60C11/03 :1262406	(71)Name of Applicant: 1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:20/12/2012	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 ,Cours Sablon, F- 63000 Clermont-
(86) International Application No Filing Date	:PCT/EP2013/076165 :11/12/2013	Ferrand France 2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2014/095505	(72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)PIROTTE, Pascal 2)EGERSZEGI, Christophe
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Tyre formed of two halves separated by a median plane , comprising a crown comprising a crown reinforcement comprising a first reinforcing ply (80) and a second reinforcing ply (90) having two axial ends , which is situated radially on the outside of the first reinforcing ply and surmounted by a hooping reinforcement (100) made up of circumferentially orientated reinforcing elements, in which tyre the absolute value of the difference D between the distance D1 of the first axial end (92) from the median plane and the distance D2 of the second axial end (93) from the median plane is greater than or equal to 4 mm and less than or equal to 10 mm (4 mm  $\leq |D| = |D1 - D2| \leq 10$  mm); and in which , in any radial section formula where K is greater than or equal to 1.15 and less than or equal to 1.50 , N1 is the number of hooping reinforcing elements situated in the first half of the tyre and MA1 denotes the modulus at 2% elongation of an individual reinforcing element situated in the second half of the tyre , and MA2 denotes the modulus at 2% elongation of an individual reinforcing element situated in the second half of the tyre.

No. of Pages: 16 No. of Claims: 6

(21) Application No.4727/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PH INDICATOR DEVICE AND 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N31/22 :1317746.4 :08/10/2013 :U.K. :PCT/EP2014/071520 :08/10/2014 :WO 2015/052225 :NA :NA :NA	(71)Name of Applicant:  1)SMITH & NEPHEW PLC Address of Applicant:15 Adam Street, London WC2N 6LA U.K. (72)Name of Inventor: 1)HICKS "John "Kenneth 2)HAMMOND "Victoria "Jody
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#### (57) Abstract:

Disclosed herein are devices and methods for determining the pH of fluid. Example devices include a device comprising a surface configured to contact the fluid and a pH indicator covalently bound thereto, wherein the pH indicator has a first colour prior to contact with the fluid and changes colour as a function of the pH of the fluid.

No. of Pages: 59 No. of Claims: 31

(21) Application No.4728/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PINCH VALVE HAVING PIVOTABLY MOUNTED UPPER AND LOWER CASINGS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16K7/02,F16K43/00,F16L55/10 :13/667099	(71)Name of Applicant: 1)OXO FAB. INC.
(32) Priority Date	:02/11/2012	Address of Applicant :46 rue Price Est, Saguenay, Quebec
(33) Name of priority country	:U.S.A.	G7H 2C8 Canada
(86) International Application No Filing Date	:PCT/CA2013/000915 :23/10/2013	(72)Name of Inventor: 1)RUELLAND Frederic 2)SIMARD ,Clement
(87) International Publication No	:WO 2014/066980	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present disclosure relates to a pinch valve having upper and lower casings respectively supporting upper and lower pinch elements. The upper and lower casings are adapted for receiving a sleeve. A synchronization mechanism drives movements of the upper and lower pinch elements for pinching the sleeve. The upper and lower casings are connected by a pivot allowing pivoting of one or the other of the upper and lower casings for opening of the pinch valve, and for ease of access to the sleeve for maintenance purposes.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: INJECTION DEVICE HAVING A NEEDLE PROTECTION SYSTEM

(51) International classification :A61M5/32,A61M5/31 (71)Name of Applicant : (31) Priority Document No 1)APTAR STELMI SAS :12 62066 (32) Priority Date :14/12/2012 Address of Applicant: Le Raspail Paris Nord 2-, 22 avenue des (33) Name of priority country Nations, F- 93420 Villepinte France :France (86) International Application No :PCT/FR2013/053030 (72) Name of Inventor: 1)FOURNIER .Arnaud Filing Date :11/12/2013 (87) International Publication No :WO 2014/091153 2) FOURNIER, Ghislain (61) Patent of Addition to Application 3)SWAL, Micka «l :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Injection device having a needle protection system, said injection device having a dispensing needle (10) provided with a dispensing orifice (11), said protection system having a removable needle guard (20) which is designed to be arranged on said needle (10), in the non-dispensing position, in order to protect and isolate said dispensing orifice (11) of said needle (10), said needle guard (20) having an insulating part (21) made of flexible material, said dispensing orifice (11) of the needle (10) being stuck in said insulating part (21) in the non-dispensing position, said needle guard (20) having at least one radial projection (25) towards the outside, said protection system having an external cap (30) provided with gripping means (35, 35, 36; 38; 300) which are designed to cooperate with said at least one radial projection (25) of said needle guard (20), in such a way that a movement of said external cap (30) in the longitudinal direction of said needle (10) away from said dispensing orifice (11) draws said needle guard (20), from its non-dispensing position, said at least one radial projection (25) being arranged at the distal axial end of said needle guard (20), said at least one radial projection (25) being formed on a rigid external structure (28) of said needle guard (20).

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

(21) Application No.4887/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPOSITE DISC BRAKE BACKING PLATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:22/11/2013 :WO 2014/087236 :NA :NA	(71)Name of Applicant:  1)R.A INVESTMENT MANAGEMENT S.A.R.L. Address of Applicant: 46A, Avenue J.F. Kennedy, L-1855 Luxembourg Luxembourg (72)Name of Inventor: 1)ARBESMAN,Ray 2)PHAM, Nghi 3)MACKELVIE, Winston
- 10	:NA :NA :NA	

## (57) Abstract:

A brake backing plate is provided in which a non- compressible core material (7) is sandwiched between two sheet metal stampings to make a lightweight, composite brake backing plate. Each of the stampings has a textured face with a plurality of integrally formed piercing members (5). By rolling or pressing, the piercing members of the textured faces are fully embedded in the core material (7), and thus lock the stampings and the core material together.

No. of Pages: 24 No. of Claims: 18

(21) Application No.4888/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: 1, 2, 3-TRIAZOLE-4-AMINE DERIVATIVES FOR THE TREATMENT OF SIGMA RECEPTOR RELATED DISEASES AND DISORDERS

(51) International

: C07D401/12, A61K31/4192, A61K31/4439

classification

(31) Priority :13382002.7 Document No

(32) Priority Date :07/01/2013 (33) Name of priority :EPO

country

(86) International

:PCT/EP2014/000012 Application No :07/01/2014

Filing Date

(87) International **Publication No** 

:WO 2014/106622

(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)LABORATORIOS DEL DR. ESTEVE S.A.

Address of Applicant : Avda. Mare de Deu de Montserrat 221

E 08041 Barcelona Spain

(72) Name of Inventor:

1)TORRENS JOVER Antoni

2) CHRISTMANN Ute

3)DIAZ FERNANDEZ Jos Luis 4)ALMANSA ROSALES Carmen

# (57) Abstract:

The present invention relates to new 1 2 3 triazole amine derivatives of formula (I) having affinity for sigma receptors especially sigma 1 receptor as well as to the process for the preparation thereof to compositions comprising them and to their use as medicaments for the treatment of sigma receptor related diseases and disorders.

No. of Pages: 124 No. of Claims: 15

(21) Application No.4861/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DEVICE FOR PRODUCING MILK FOAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A47J31/46,A47J43/00 :12199148.3 :21/12/2012 :EPO :PCT/EP2013/077360 :19/12/2013 :WO 2014/096181 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A. Address of Applicant: Av. Nestl 55, CH- 1800 Vevey Switzerland (72)Name of Inventor: 1)PERENTES, Alexandre 2)YOAKIM, Alfred 3)PERRIN, Alexa
(61) Patent of Addition to Application	:NA	<u> </u>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a device 1 for producing milk foam, which makes use of Couette flow and a high shear stress that is accordingly applied to a milk- air-mixture in a gap between a housing, in particular an outer cylinder, and a rotating element rotating arranged therein. The device further comprises a milk supply circuit supplying the fluid inlet with milk and an air supply circuit supplying the fluid inlet with air, both supply circuits being independent from each other.

No. of Pages: 36 No. of Claims: 15

(21) Application No.4862/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

(54) Title of the invention: SUBSTRATE FOR POWER MODULES, SUBSTRATE WITH HEAT SINK FOR POWER MODULES, POWER MODULE, METHOD FOR PRODUCING SUBSTRATE FOR POWER MODULES, PASTE FOR COPPER PLATE BONDING, AND METHOD FOR PRODUCING BONDED BODY

(51) International

:H01L23/12,H01L23/13,H01L23/36

classification (31) Priority Document No

:2012267300

(32) Priority Date

:06/12/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/082568

:04/12/2013

Filing Date

(87) International Publication: WO 2014/088025

:NA

:NA

:NA

(61) Patent of Addition to

**Application Number** 

Filing Date

(62) Divisional to Application :NA

Number Filing Date (71) Name of Applicant:

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan

(72) Name of Inventor:

1)TERASAKI Nobuyuki

2)NAGATOMO Yoshiyuki

3)NISHIKAWA Kimihito

# (57) Abstract:

This substrate for power modules is obtained by laminating and bonding a copper plate that is formed of copper or an copper alloy onto the surface of a ceramic substrate (11). An oxide layer (31) is formed on the surface of the ceramic substrate (11) between the copper plate and the ceramic substrate (11), and the thickness of an Ag-Cu eutectic structure layer (32) is set to 15 µm or less.

No. of Pages: 72 No. of Claims: 13

(21) Application No.4864/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HELICAL BROACH

(51) International classification	:B23F21/26,B23D43/04	(71)Name of Applicant :
(31) Priority Document No	:2013026276	1)MITSUBISHI HEAVY INDUSTRIES LTD.
(32) Priority Date	:14/02/2013	Address of Applicant :16- 5, Konan 2- chome, Minato- ku
(33) Name of priority country	:Japan	,Tokyo 1088215 Japan
(86) International Application No	:PCT/JP2013/083821	(72)Name of Inventor:
Filing Date	:18/12/2013	1)KATSUKI, Yasuhito
(87) International Publication No	:WO 2014/125728	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The finishing shell of this helical broach (1) is formed by stacking a plurality of wafer shells (20w(1)-20w(N)) in the axial direction , and is obtained by forming on the wafer shells (20W(1)-20W(N)) finishing blades (30w(1)-30w(N)) corresponding to teeth grooves on a piece to be cut (W) and forming the finishing blades (30w(1)-30w(N)) such that the blade width gradually increases with each of the aforementioned wafer shells (20W(1)-20W(N)) from the leading end of the working direction toward the trailing end of the working direction.

No. of Pages: 38 No. of Claims: 4

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TRAY FOR FRUIT OR VEGETABLES

(51) International classification	:B65D5/00	(71)Name of Applicant:
(31) Priority Document No	:12198740.8	1)BILLERUDKORSN,,S AB
(32) Priority Date	:20/12/2012	Address of Applicant :Box 703, SE- 169 27 Solna Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/076313	1)BJ-RKLUND ,Magnus
Filing Date	:12/12/2013	
(87) International Publication No	:WO 2014/095546	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided a tray (20) for fruit or vegetables being foldable from a single piece of flat corrugated fiberboard (1), comprising: a bottom section having two long sides (11a, 11b) and two end sides (12a, 12b) wherein the panels of the corrugated fiberboard of the bottom section are parallel with the end sides; two opposed side walls (21a, 21b) extending from the long sides of the bottom section; and two opposed end walls (22a, 22b) extending from the end sides of the bottom section, wherein each side wall comprises two layers (13a, 13b, 14a, 14b) of corrugated fiberboard having horizontal panels, each end wall comprises a middle section (23a, 23b) and two flanking sections (24a, 24b) flanking the middle section, said middle section being composed of a single layer (15a, 15b) of corrugated fiberboard having horizontal panels and each flanking section comprising first (16a, 16b) and second layers (17a, 7b) of fiberboard having vertical panels and wherein the height of the middle section is less than the height of the two flanking sections.

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

(21) Application No.4866/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VISUALIZATION TOOLS FOR DIGITAL PCR DATA

(51) International classification	:G06F19/26	(71)Name of Applicant :
(31) Priority Document No	:61/723732	1)LIFE TECHNOLOGIES CORPORATION
(32) Priority Date	:07/11/2012	Address of Applicant :5791 Van Allen Way, Carlsbad
(33) Name of priority country	:U.S.A.	,California 92008 U.S.A.
(86) International Application No	:PCT/US2013/068984	(72)Name of Inventor:
Filing Date	:07/11/2013	1)LEONG, Harrison
(87) International Publication No	:WO 2014/074735	2)MAJUMDAR, Nivedita Sumi
(61) Patent of Addition to Application	:NA	3)MARKS ,Jeffrey
Number	:NA :NA	4)STRAUB ,Theodore
Filing Date	.IVA	5)TALBOT, Ryan
(62) Divisional to Application Number	:NA	6)BODNER, Kevin
Filing Date	:NA	7)HOARD ,David

#### (57) Abstract:

A method for generating a data visualization is provided. The method includes displaying a representation of a portion of detected data from a substrate to a user. The method further includes generating a data quality value for the portion of detected data and displaying, along with the representation of the portion of detected data an indication of data quality value for the portion of detected data. The method further includes selecting ,by the user, a quality value threshold, and displaying an adjusted indication of data quality value for the portion of detected data meeting the quality value threshold.

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

(21) Application No.4717/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: PERFUME SYSTEMS

(51) International classification :C11B9/00,A61Q11/00,C07D493/08

(31) Priority Document No :61/734011 (32) Priority Date :06/12/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/073206

Application No
Filing Date

1. C1703201
:05/12/2013

(87) International Publication :WO 2014/089253

(61) Patent of Addition to Application Number :NA

Filing Date
(62) Divisional to

NA

NA

Application Number Filing Date :NA (71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY
Address of Applicant :One Procter & Gamble Plaza,

Cincinnati ,OH 45202 U.S.A. (72)Name of Inventor:

1)DENUTTE, Hugo ,Robert, Germain

2)PINTENS ,An 3)SMETS ,Johan

4) VRIELYNCK, Freek Annie, Camiel

5) VAN AKEN, Koen

## (57) Abstract:

The present application relates to perfume raw materials perfume delivery systems and consumer products comprising such perfume raw materials and/or such perfume delivery systems, as well as processes for making and using such perfume raw materials, perfume delivery systems and consumer products. Such perfume raw materials and compositions, including the delivery systems, disclosed herein expand the perfume communities options as such perfume raw materials can provide variations on character and such compositions can provide desired odor profiles.

No. of Pages: 49 No. of Claims: 15

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD OF MAKING A LITHOGRAPHIC PRINTING PLATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:07/01/2014 :WO 2014/108385 :NA	(71)Name of Applicant:  1)AGFA GRAPHICS NV Address of Applicant :IP Department 3622, Septestraat 27, B - 2640 Mortsel Belgium (72)Name of Inventor: 1)HENDRIKX, Peter 2)SINNESAEL, Jan 3)CARBONINI, Roberto 4)VERBRUGGHE, Sam
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of making a lithographic printing plate comprising the steps of : a) image- wise exposing a lithographic printing plate precursor , comprising a support having a hydrophilic surface or which is provided with a hydrophilic layer and , thereon a light or heat sensitive coating comprising a photopolymerisable composition , b) processing said precursor with a first solution, consecutively with a second solution , thereby removing the coating from the support in the non- printing areas, wherein said first and second solutions are provided by a cascade system , wherein said second solution overflows into said first solution and said first solution overflows into a container to be further treated as waste, wherein said second solution is regenerated by adding a replenishing solution or a mixture of replenishing solutions at a rate of at least 5 ml/m2 of treated precursor and at most 100 ml/m2 of treated precursor wherein said first and second solutions are circulated respectively by a first and second liquid conveying system ,wherein the first solution present in said first liquid conveying system has a volume of at least Vmin and at most Vmax respectively defined by formula 1 and formula 2, Vmin = [A + (processing width/0.95 m)]. liter (formula 1) Vmax = [B + (processing width/0.95 m)]. liter (formula 2) wherein Vmin and Vmax represent respectively the minimum and maximum volume present in said first liquid conveying system, each of them expressed in liter , wherein A and B represents a constant value of respectively 2 and 15 , and wherein said processing width represents the width , expressed in m , inside the processing unit ,perpendicular to the processing direction, which is available for processing plate precursors in a uniform way across their width.

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

(21) Application No.4871/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

(54) Title of the invention: 1 -[1- (BENZOYL)- PYRROLIDINE- 2- CARBONYL] -PYRROLIDINE -2 -CARBONITRILE **DERIVATIVES** 

(51) International

:C07D403/06,A61K31/401,A61P25/00

classification

(31) Priority Document No :12382446.8 (32) Priority Date :12/11/2012

(33) Name of priority

:EPO

:NA

:NA

country

(86) International

:PCT/EP2013/073460 Application No :11/11/2013

Filing Date

(87) International

:WO 2014/072498 Publication No

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

:NA :NA Filing Date

(62) Divisional to **Application Number** 

Filing Date

(71)Name of Applicant:

1)UNIVERSITAT DE BARCELONA

Address of Applicant : Centro de Patentes UB, Baldiri Reixac

4, Torre D, E- 08028 Barcelona Spain

2)FUNDACI INSTITUT DE RECERCA BIOM'DICA (IRB

BARCELONA)

3) IPROTEOS S.L (72) Name of Inventor:

1)GIRALT LLED, Ernest

2)TARRAG CLUA, Teresa

3)PRADES COSANO, Roger

4)ROYO GRACIA, Soledad

(57) Abstract:

The present invention relates to 1-[1-(benzoyl)-pyrrolidine-2-carbonyl]-pyrrolidine-2-carbonitrile derivatives having pharmacological activity formula (I) to processes of preparation of such compounds, to pharmaceutical compositions comprising them, and to their use in therapy and/or prophylaxis of a cognitive disorder.

No. of Pages: 71 No. of Claims: 18

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: WASHING MACHINE DRIVING APPARATUS AND WASHING MACHINE COMPRISING SAME

(51) International classification :D06F37/30,D06F37/40,H02K16/00

(31) Priority Document No :1020120148561 (32) Priority Date :18/12/2012

(33) Name of priority country :Republic of Korea (86) International Application :PCT/KR2013/011814

No :18/12/2013

Filing Date

(87) International Publication :WO 2014/098473

(61) Patent of Addition to
Application Number :NA

Application Number :NA :NA

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

(71)Name of Applicant: 1)AMOTECH CO., LTD.

Address of Applicant: 5B/L- 1Lot Namdonggongdan, 617 Namchon- dong, Namdong- gu, Incheon 405 -846 Republic of

Korea

(72)Name of Inventor: 1)KIM ,Byung Soo 2)JUNG, Min Soo 3)SHIN ,Jong Ha

#### (57) Abstract:

Provided is a washing machine driving apparatus including: an outer shaft which is connected with a washing tub; an inner shaft which is rotatably arranged inside the outer shaft and connected with a pulsator; an inner rotor which is connected with the outer shaft; an outer rotor which is connected to the inner shaft; and a stator which is disposed with an air gap between the inner rotor and the outer rotor, wherein the outer shaft has one end the washing tub and the other end connected to the inner rotor and is directly connected between the washing tub and the inner rotor, and wherein the inner shaft has one end connected to the pulsator and the other end connected to the outer rotor and is directly connected between the pulsator and the outer rotor. An existing clutch can be removed to thus reduce a manufacturing cost for a washing machine driving apparatus, simplify a manufacturing process thereof, and reduce height of a washing machine.

No. of Pages: 43 No. of Claims: 19

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: HETEROARYL SUBSTITUTED PYRIDYL COMPOUNDS USEFUL AS KINASE MODULATORS

(51) International (71)Name of Applicant: :C07D401/14,C07D401/12,C07D407/14 1)BRISTOL -MYERS SQUIBB COMPANY classification (31) Priority Document Address of Applicant: P.O. Box 4000, Route 206 and Province :61/723848 Line Road, Princeton, New Jersey 08543-4000 U.S.A. (72) Name of Inventor: (32) Priority Date :08/11/2012 1)BHIDE ,Rajeev S. (33) Name of priority :U.S.A. country 2)DUNCIA, John V. (86) International 3)HYNES, John :PCT/US2013/068875 Application No 4)NAIR, Satheesh K. :07/11/2013 Filing Date 5)PITTS, William J. (87) International 6)KUMAR, Sreekantha R. :WO 2014/074675 Publication No 7) GARDNER, Daniel S. (61) Patent of Addition to :NA 8) MURUGESAN, Natesan **Application Number** 9)PAIDI ,Venkatram Reddy :NA Filing Date 10)SANTELLA, Joseph B. (62) Divisional to 11)SISTLA, Ramesh :NA Application Number 12)WU, Hong :NA Filing Date

#### (57) Abstract:

Compounds having the following formula (I) or a stereoisomer or a pharmaceuticaUy- acceptable salt thereof, wherein R2 is a monocyclic heteroaryl group, and R1, R3, R4, R5, and 6,R are as defined herein, are useful as kinase modulators, including IRAK -4 inhibition.

No. of Pages: 167 No. of Claims: 13

(21) Application No.4882/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR ANTIBODIES TARGETING EPO

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C07K16/22,A61K39/00 :61/733566	(71)Name of Applicant: 1)NOVARTIS AG
(32) Priority Date	:05/12/2012	Address of Applicant :Lichtstrasse 35, CH- 4056 Basel
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/US2013/072915	(72)Name of Inventor:
Filing Date	:03/12/2013	1)GHOSH Joy
(87) International Publication No	:WO 2014/089111	2)RUTZ Mark Anthony
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)TISSOT- DAGUETTE Katrin Ulrike 4)SPLAWSKI Igor 5)ROGUSKA Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to compositions and methods for the inhibition of EPO. The invention provides antibodies and antigen binding fragments thereof that bind to EPO and are able to inhibit EPO dependent cell proliferation and/or EPO dependent cell signaling.

No. of Pages: 114 No. of Claims: 38

(21) Application No.4883/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LIQUID CRYSTAL DISPLAY DEVICE

:NA

:NA

(51) International classification: G02F1/133,G02F1/139,G09F9/30 (71) Name of Applicant: (31) Priority Document No :2012251653 1)SEMICONDUCTOR ENERGY LABORATORY CO. (32) Priority Date :15/11/2012 LTD. (33) Name of priority country :Japan Address of Applicant: 398, Hase, Atsugi-shi, Kanagawa, (86) International Application 2430036 Japan :PCT/JP2013/080735 (72) Name of Inventor: No :07/11/2013 Filing Date 1)KUBOTA, Daisuke 2)HIRAKATA, Yoshiharu (87) International Publication :WO 2014/077295 3)HATSUMI, Ryo (61) Patent of Addition to :NA **Application Number** :NA

#### (57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

A novel liquid crystal display device without a decrease in display quality. The liquid crystal display device includes a pixel for displaying a still image at a frame frequency of less than or equal to 1 Hz, and a liquid crystal layer in the pixel has a dielectric constant anisotropy of greater than or equal to 2 and less than or equal to 5. With the above structure, a change in voltage applied to a pixel can be kept within an acceptable range of a deviation in gray level for displaying the same still image. Thus flickers due to a low refresh rate can be reduced, which leads to an increase in display quality.

No. of Pages: 132 No. of Claims: 12

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DATA REPLICATION WITH DYNAMIC COMPRESSION

:NA

:NA

:H04L29/08,H04L29/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) COMPELLENT TECHNOLOGIES :13/768482 (32) Priority Date Address of Applicant: 7625 Smetana Lane, Eden Prairie, :15/02/2013 (33) Name of priority country Minnesota 55344 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/015942 (72) Name of Inventor: Filing Date :12/02/2014 1)SWIFT, Jeremy Dean (87) International Publication No :WO 2014/126962 (61) Patent of Addition to Application :NA Number :NA

#### (57) Abstract:

Filing Date

Filing Date

A method for replicating data between two or more network connected data storage devices, the method including dynamically determining whether to compress data prior to transmitting across the network based ,at least in part, on bandwidth throughput between the network connected data storage devices. If it has been determined to compress the data , the method involves compressing the data and transmitting the compressed data over the network. If it has been determined not to compress the data the method involves transmitting the data , uncompressed ,over the network. Dynamically determining whether to compress data may include comparing bandwidth measurements with a predetermined policy defining when compression should be utilized. In some embodiments , the policy may define that compression should be utilized when an estimated time for compressing the data and transmitting the compressed data is less than an estimated time for transmitting the data uncompressed.

No. of Pages: 33 No. of Claims: 19

(62) Divisional to Application Number

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHODS AND DEVICES FOR THE TREATMENT OF OCULAR DISEASES IN HUMAN SUBJECTS

:A61K9/16,A61P27/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)CLEARSIDE BIOMEDICAL, INC. :61/724144 (32) Priority Date :08/11/2012 Address of Applicant: 1220 Old Alpharetta Road, Suite 300, (33) Name of priority country Alpharetta, Georgia 30005 U.S.A. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/069156 Filing Date :08/11/2013 1)ZARNITSYN, Vladimir 2)PATEL, Samirkumar (87) International Publication No :WO 2014/074823 (61) Patent of Addition to Application 3)WHITE, Daniel :NA Number 4)NORONHA, Glenn :NA Filing Date 5)BURKE, Brian (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Methods and devices are provided for targeted non- surgical administration of a drug formulation to the suprachoroidal space (SCS) of the eye of a human subject for the treatment of a posterior ocular disorder or a choroidal malady. In one embodiment , the method comprises inserting a hollow microneedle into the eye at an insertion site and infusing a drug formulation through the inserted microneedle and into the suprachoroidal space of the eye , wherein the infused drug formulation flows within the suprachoroidal space away from the insertion site during the infusion. In one embodiment ,the fluid drug formulation comprises drug nanoparticles or microparticles.

No. of Pages: 200 No. of Claims: 240

(22) Date of filing of Application :05/06/2015 (43) Publication Date: 27/11/2015

### (54) Title of the invention: VENTILATED SEAT ELEMENT

(51) International classification: A47C7/74, A47C21/04, A47C7/18 (71) Name of Applicant: (31) Priority Document No :61/733660 (32) Priority Date :05/12/2012 (33) Name of priority country :U.S.A. (86) International Application :PCT/CA2013/001006 No 1)ZIMMANN, Timo

:05/12/2013 Filing Date

(87) International Publication :WO 2014/085907

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

:NA Number :NA Filing Date

1)PROPRIETECT L.P.

Address of Applicant: 100 King Street West, 1 First Canadian

Place, Suite 1600, Toronto, Ontario M5X 1G5 Canada (72) Name of Inventor:

2)JANDA, Petr 3)HEINL, Georg

### (57) Abstract:

In a preferred emobidment there is disclosed a vehicular seat element comprising a foam subtstrate the foam substrate, comprising an A- surface for contact by an occupant and a B- surface opposed to the A- surface a central portion of the A -surface have a first surface area and comprising a plurality of channels, the central portion of the A-surface comprising an occupant contact portion having a second surface area wherein the first surface area is greater than the second surface area, a plurality of apertures disposed in the plurality of channels, each aperture interconnecting the A- surface and the B- surface of the foam substrate. The plurality of channels acts a distribution manifold for air to be moved laterally with respect to the A -surface of the foam pad and also through the holes in the seat pad to allow for circulation of air. In other words, the through holes in the foam provide a pass for air to flow from the Bsurface of the foam pad to the A -surface of the foam pad, and vice versa. This air flow is further promoted by compressing and decompressing of the foam by the mass of the occupant while the vehicle is in motion. This compression and decompression of the foam creates a so- called bellows effect to push or pull air through the vehicular seat. Ideally, the series of channels molded in the Asurface of the foam pad form a manifold that enhances air distribution by providing multiple paths for the air flow around (not just beneath) the occupant and through the seat.

No. of Pages: 25 No. of Claims: 56

(21) Application No.4892/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: PRESSURE SENSITIVE ADHESIVES PREPARED FROM MALEATED VEGETABLE OILS AND EXPOXIDIZED VEGETABLE OILS

(51) International classification :C09J7/02,C09J191/00,C09F7/00 (71) Name of Applicant: (31) Priority Document No :61/733816 (32) Priority Date :05/12/2012 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2013/073366 :05/12/2013 Filing Date

(87) International Publication No:WO 2014/089323

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

Number :NA Filing Date

(57) Abstract:

1)AVERY DENNISON CORPORATION

Address of Applicant: 150 N. Orange Grove Blvd., Pasadena,

CA 91103 U.S.A. (72) Name of Inventor:

1) WILLIAMS, Charles R.

2)LUO,Qiang 3)GOWER, Mark

A method that includes reacting an epoxidized naturally- occurring oil or fat with a triacid to form a pressure sensitive adhesive or a pressure sensitive adhesive precursor is disclosed. The present invention also includes methods for preparing a triacid and for preparing a pressure sensitive adhesive label or tape.

No. of Pages: 39 No. of Claims: 50

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TYRE HAVING LOW ROLLING RESISTANCE

(51) International classification	:B60C11/00	(71)Name of Applicant:
(31) Priority Document No	:1262084	1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:14/12/2012	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12, Cours Sablon, F- 63000 Clermont-
(86) International Application No	:PCT/EP2013/076161	Ferrand France
Filing Date	:11/12/2013	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2014/090845	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)GUERINON, Bernard
Number	:NA	2)BERGER, Eric
Filing Date	.IVA	3)GUILLOU ,Melaine
(62) Divisional to Application Number	:NA	4)BOISDON ,Bertrand
Filing Date	:NA	5)NOURRY, Christine

#### (57) Abstract:

Tyre tread comprising a central part (I) made from at least one first rubber compound and comprising at least one circumferential rib (121- 123) formed of a plurality of blocks (1210) separated by sipes; a first and a second lateral part (II and III) made of at least one second and one third rubber compound, and comprising at least one circumferential rib (131 ,141) formed by a plurality of blocks (1310 ,1410) , separated by sipes , wherein the said at least one second and third rubber compounds have a value of tand6 < 0.25 - at a temperature of 23°C, a frequency of 10Hz and an elongation of 10% -, wherein the complex modulus G (T) of said at least one first rubber compound is greater than the complex moduli G (T) of said at least one second and third rubber compounds for all temperatures  $0^{\circ} \le T \le 60^{\circ} C$ .

No. of Pages: 24 No. of Claims: 6

(21) Application No.4894/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: GRANULAR FERTILIZERS HAVING IMPROVED DUST CONTROL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C05G5/00,C05G3/00,C05F11/00 :61/729142 :21/11/2012	<ul> <li>(71)Name of Applicant:</li> <li>1)MOS HOLDINGS INC.</li> <li>Address of Applicant: 3033 Campus Drive, Suite E 490,</li> </ul>
(33) Name of priority country	:U.S.A.	Plymouth, MN 55441 U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2013/070519 :18/11/2013 :WO 2014/081657	(72)Name of Inventor: 1)PEACOCK, Lawrence ,Alan 2)HOLT ,Timothy ,Gene 3)COCHRAN ,Keith, Dewayne
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An oil-based coating for fertilizer granules impregnated with a polymer additive and related methods of applying the oil-based coating. The polymer additive can comprise homopolymers ,copolymers , or combinations thereof ,including polyethylene homopolymers. The polymer additive increases the viscosity of the oil-based coating , thereby increasing the duration for which the coating is capable of controlling or inhibiting the formation of dust particulates from the fertilizer granules.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: WASHING MACHINE DRIVING APPARATUS AND WASHING MACHINE COMPRISING SAME

(51) International classification	:D06F37/30	(71)Name of Applicant:
(31) Priority Document No	:1020120148565	1)AMOTECH CO., LTD.
(32) Priority Date	:18/12/2012	Address of Applicant :5B/L- 1Lot Namdonggongdan, 617
(33) Name of priority country	:Republic of Korea	Namchon- dong Namdong- gu, Incheon 405- 846 Republic of
(86) International Application No	:PCT/KR2013/011816	Korea
Filing Date	:18/12/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/098475	1)KIM ,Byung Soo
(61) Patent of Addition to Application	:NA	2)JUNG ,Min Soo
Number	:NA	3)SHIN, Jong Ha
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a washing machine driving apparatus including: an outer shaft which is connected with a washing tub; an inner shaft which is rotatably arranged inside the outer shaft and connected with a pulsator; an inner rotor which is connected with the outer shaft; an outer rotor which is connected to the inner shaft; and a stator which is disposed with an air gap between the inner rotor and the outer rotor, wherein the stator comprises: stator cores; a bobbin wrapped on the outer surface of each of the stator cores; a first coil wound on one side of each of the stator cores; and a second coil wound on the other side of each of the stator cores, wherein a first bearing and a second bearing are disposed on the outer circumferential surface of the outer shaft, and the first bearing and the second bearing are mounted in a first bearing housing and a second bearing housing which are fixed to an outer tub, and wherein coupling portions for coupling the stator with the first bearing housing are integrally formed in the bobbins. An existing clutch can be removed to thus reduce a manufacturing cost for a washing machine driving apparatus, simplify a manufacturing process thereof, and reduce height of a washing machine.

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

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AEROSOL -GENERATING SYSTEM WITH DIFFERENTIAL HEATING

:A24F47/00,A61M15/06 (71)Name of Applicant : (51) International classification 1)PHILIP MORRIS PRODUCTS S.A. (31) Priority Document No :13159398.0 (32) Priority Date Address of Applicant: Quai Jeanrenaud 3, CH-2000 Neuchtel :15/03/2013 (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2014/055177 (72) Name of Inventor: Filing Date :14/03/2014 1)GREIM, Olivier (87) International Publication No :WO 2014/140320 2)PLOJOUX ,Julien (61) Patent of Addition to Application 3)ZINOVIK, Ihar :NA Number 4)JOCHNOWITZ, Evan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An aerosol- generating system comprises an aerosol- generating article (2) and an aerosol- generating device (4). The aerosol generating article (2) comprises: a first compartment (6) comprising a first one of a volatile delivery enhancing compound source and a medicament source; and a second compartment (8) comprising a second one of the volatile delivery enhancing compound source and the medicament source. The aerosol- generating device (4) comprises: a cavity configured to receive the first compartment (6) and the second compartment (8) of the aerosol- generating article (2); and an external heater (16, 16a, 16b) positioned about a perimeter of the cavity. The aerosol- generating device (4) is configured to heat the first compartment (6) and the second compartment (8) of the aerosol- generating article (2) so that first compartment (6) of the aerosol generating article (2) has a lower temperature than the second compartment (8) of the aerosol- generating article (2).

No. of Pages: 33 No. of Claims: 13

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND NETWORK NODE FOR MITIGATION OF INTERFERENCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W16/14 :NA :NA :NA :PCT/SE2013/050050 :23/01/2013 :WO 2014/116149 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: S- 164 83 Stockholm Sweden (72)Name of Inventor: 1)BJ-RK%N, Peter 2)KRONESTEDT, Fredric
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and network node of a first cellular network for enabling mitigation of interference in the first cellular network caused by radio communication in a second cellular network. The network node obtains (300) a total interference in a first cell of the first cellular network, and estimates (302) a first interference contribution in the first cell caused by radio communication in the first cellular network. The network node then determines (304) a second interference contribution in the first cell caused by radio communication in the second cellular network based on the estimated first interference contribution and the obtained total interference. The network node also utilizes (306) the determined second interference contribution to counteract the interference in the first cell caused by the radio communication in the second cellular network. Thereby, it is possible to counteract the interference in the first cell when the second interference contribution fulfills a threshold condition such that actions and measures for counteracting the inter system interference can be initiated only when needed or when it is deemed effective for improving performance in the cell.

No. of Pages: 33 No. of Claims: 24

(21) Application No.4748/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: THERMALLY CONDUCTIVE PLASTIC

(51) International classification :C08K3/36,C08K3/34,C08K3/00 (71)Name of Applicant: (31) Priority Document No :12197839.9

(32) Priority Date :18/12/2012

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2013/077066 Filing Date :18/12/2013

(87) International Publication No: WO 2014/095984

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)QUARZWERKE GMBH

Address of Applicant : Kaskadenweg 101, 50226 Frechen

Germany

(72)Name of Inventor: 1)KRUBER, Dirk 2) KLAWA, Michael 3)HILGERS, Thorsten 4)SZILLUWEIT, Robert

(57) Abstract:

Disclosed is a composition containing a plastic and 20 to 80 wt% of an additive selected from among orthosilicates, metal silicon, and mixtures thereof.

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

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: THERMOTROPIC POLYMERS

(51) International classification (31) Priority Document No	:C09K9/02 :12198837.2	(71)Name of Applicant: 1)QUARZWERKE GMBH
(32) Priority Date	:21/12/2012	Address of Applicant : Kaskadenweg 101, 50226 Frechen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2013/077443	2)FRAUNHOFFER-GESELLSC HAFT ZUR
Filing Date	:19/12/2013	FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
(87) International Publication No	:WO 2014/096222	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)ZILLES ,Jrg Ulrich
Number	:NA	2)KRUBER ,Dirk
Filing Date	.11/1	3)SEEBOTH ,Arno
(62) Divisional to Application Number	:NA	4)MHLING, Olaf
Filing Date	:NA	5)RUHMANN Ralf

### (57) Abstract:

Polymer particles having a mean primary particle diameter d50 between 50 nm and 10 pm based on the total weight , containing: A. 10 to 100% by weight of a polymer phase A , obtainable by free- radical copolymerization of an oil- in- water miniemulsion having a monomer mixture as oil phase , containing i) 30 to 99.9% by weight of one or more monoethylenically unsaturated monomers II having at least one C12- C48-n- alkyl side chain , ii) 0 to 60% by weight of one or more monoethylenically unsaturated monomers II having at least two non conjugated ethylenic double bonds ,iv) 0 to 69.9% by weight of one or more (hetero)aromatic ,monoethylenically unsaturated monomers IV , v) 0 to 40% by weight of one or more other monoethylenically unsaturated monomers V; and B. 0 to 90% by weight of a polymer phase B , obtainable by subsequent free -radical graft copolymerization , in the presence of the polymer phase A obtained after stage A), of a monomer mixture containing i) 0 to 100% by weight of one or more monomers VI from the group of the Ci- Cio- alkyl (meth)acrylates , ii) 0 to 100% by weight of one or more (hetero)aromatic , monoethylenically unsaturated monomers VII, iii) 0 to 50% by weight of one or more other monoethylenically unsaturated monomers VIII , where the percentages by weight of the monomer mixtures used in the respective stages add up to 100% by weight.

No. of Pages: 74 No. of Claims: 59

(21) Application No.4897/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CONTROL OF GAS COMPOSITION OF A GAS SEPARATION SYSTEM HAVING MEMBRANES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:12192571.3 :14/11/2012 :EPO :PCT/EP2013/071039 :09/10/2013 :WO 2014/075850 :NA :NA	(71)Name of Applicant:  1)EVONIK FIBRES GMBH  Address of Applicant: Gewerbepark 4, A -4861 Schrfling am  Attersee Austria (72)Name of Inventor:  1)UNGERANK, Markus  2)ROEGL, Harald
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for controlling a gas separation system comprising membrane separation stages, a system controlled by said method and use of said system for separation of gas mixtures, in particular in the preparing of biogas or natural gas or synthesis gas.

No. of Pages: 50 No. of Claims: 17

(21) Application No.4898/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: IMPROVEMENTS IN AND RELATING TO COURSE AND/OR SPEED DATA

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01S7/48,G01S11/04,G01S13/58 :1222063.8 :07/12/2012	(71)Name of Applicant:  1)BAE SYSTEMS PLC  Address of Applicant: 6 Carlton Gardens, London SW1Y 5AD  U.K.
(33) Name of priority country (86) International Application No Filing Date	:U.K. :PCT/GB2013/053185 :02/12/2013	(72)Name of Inventor: 1)NOYES, Stephen, Paul
(87) International Publication No	:WO 2014/087143	
<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:

Disclosed is a method of determining a velocity of a vessel, comprising the steps of: detecting objects in the vicinity of the vessel; selecting an object having a velocity relative to the vessel which is below a predefined threshold; and determining the velocity of the vessel to be opposite to the velocity of the object. Also disclosed is an apparatus arranged to perform the method.

No. of Pages: 16 No. of Claims: 13

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: MOBILE COMMUNICATION DEVICE AND METHOD FOR ALLOCATING SYSTEM INFORMATION AMONG VIRTUAL CARRIERS FOR MACHINE TYPE COMMUNICATIONS

:H04W72/04,H04W48/12 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1301295.0

(32) Priority Date :24/01/2013

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2014/050138

Filing Date :17/01/2014

(87) International Publication No :WO 2014/114918 (61) Patent of Addition to Application

:NA Number :NA Filing Date

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

1)SONY CORPORATION

Address of Applicant: 1-7-1 Konan, Minato-ku, Tokyo 108-

0075 Japan

(72) Name of Inventor:

1)WEBB, Matthew

2)KOULAKIOTIS, Dimitris 3)WAKABAYASHI .Hideii 4)MORIOKA, Yuichi

5)TRUELOVE, Stephen

#### (57) Abstract:

A communications device for transmitting signals to or receiving signals from a mobile communications network includes one or more network elements, the one or more network elements providing a wireless access interface for the communications device. The wireless access interface provides a plurality of communications resource elements across a host frequency range of a host carrier and a first section of the communications resources within a first frequency range for preferable allocation to reduced capability devices forming a first virtual carrier and a second section of the communications resources within a second frequency range for preferable allocation to the reduced capability devices forming a second virtual carrier. Each of the first frequency range and the second frequency range is within the host frequency range wherein the communications device is configured with a reduced capability to receive the signals only within a frequency bandwidth which is less than the host frequency range and equal to at least one of the first frequency range or the second frequency range. The wireless access interface includes a plurality of time divided sub- frames and at least one of the sub-frames includes a control channel in a part of the sub-frame for communicating first signalling data to reduced capability devices. The first signalling data identifies a location of one or more of the communications resources from which the communications device can receive system information which is common to one or more other reduced capability devices. The communications device is configured to receive the first signalling data from the control channel and the common system information from the one or more communications resources identified by the first signalling data. Accordingly, the mobile communications system can make more efficient use of available communications resources by transmitting the common system information on the same communications resources.

No. of Pages: 46 No. of Claims: 24

(22) Date of filing of Application :28/05/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : VEHICLE LOCATION ESTIMATION APPARATUS AND VEHICLE LOCATION ESTIMATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G08G1/16 :2012262379 :30/11/2012 :Japan :PCT/IB2013/002653 :28/11/2013 :WO 2014/083410 :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 8571 Japan (72)Name of Inventor: 1)SHIDA Mitsuhisa 2)DOI Tomoyuki
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An azimuth T of the direction of travel of the host vehicle MV is acquired a radius R of the road on which the host vehicle MV is traveling is estimated a location () of another vehicle OV is acquired an azimuth of the direction of travel of the other vehicle OV is acquired the other vehicle OV is positioned on a coordinate system an origin of which is the host vehicle MV and an axis of which is the estimated road radius R in the direction of travel of the host vehicle MV and determination is made on whether or not the other vehicle OV is on the same course as the host vehicle MV by taking account of the width of the course location error azimuth error error in the estimated road radius error due to drift of the vehicle and change in the Curvature of the course.

No. of Pages: 78 No. of Claims: 11

(21) Application No.4780/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR THE GENERATION OF 2.5 DIMETHYLHEXENE FROM ISOBUTENE

<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>	:C07C11/02,C07C2/58,B01J23/40 :61/736098 :12/12/2012 :U.S.A.	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 U.S.A.
(86) International Application No Filing Date (87) International Publication	:PCT/US2013/074312 :11/12/2013	(72)Name of Inventor: 1)NICHOLAS, Christopher, P.
No (61) Patent of Addition to	:WO 2014/093447 :NA	
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method of making one or more 2, 5 -dimethylhexenes is described. The method includes reacting isobutene with isobutanol in the presence of a platinum group metal catalyst to form one or more 2, 5 dimethylhexenes. A method of making p xylene using one or more 2, 5 -dimethylhexenes is also described. The p- xylene can be made from totally renewable sources, if desired.

No. of Pages: 26 No. of Claims: 10

(21) Application No.4781/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: METHODS AND APPARATUSES FOR INCREASING ALKYL CYCLOPENTANE CONCENTRATIONS IN AROMATIC RICH STREAMS

(51) International classification: C07C5/13,C07C5/367,C07C13/10 (71) Name of Applicant:

:WO 2014/092928

(31) Priority Document No :13/715838 (32) Priority Date :14/12/2012

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

(86) International Application :PCT/US2013/070241

:15/11/2013

Filing Date (87) International Publication

No

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

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

Number :NA

Filing Date

#### 1)UOP LLC

Address of Applicant: 25 East Algonquin Road, P. O. Box

5017, Des Plaines, Illinois 60017 - 5017 U.S.A.

(72) Name of Inventor: 1)GLOVER, Bryan K.

(57) Abstract:

Methods and apparatuses for increasing an alkyl -cyclopentane concentration in an aromatic -rich stream and methods for processing hydrocarbons are provided. In an embodiment, a method for increasing an alkyl-cyclopentane concentration in an aromatic -rich stream includes saturating aromatics in the aromatic -rich stream to form methylcyclohexane. Further ,the method includes isomerizing the methylcyclohexane to form alkyl -cyclopentanes. The method dehydrogenates residual methylcyclohexane to form aromatics in a product stream. The product stream includes aromatics and alkyl- cyclopentanes.

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

(22) Date of filing of Application :24/02/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MALE FLUIDIC CONNECTING ELEMENT AND CONNECTOR COMPRISING SUCH AN ELEMENT AND A FEMALE MATING ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:1454701 :23/05/2014 :France	(71)Name of Applicant: 1)STAUBLI FAVERGES Address of Applicant: Place Robert Stubli, 74210 Faverges, France France (72)Name of Inventor: 1)ALAIN-CHRISTOPHE TIBERGHIEN 2)CHRISTOPHE DURIEUX
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#### (57) Abstract:

This male connecting (R) element (100) comprises a tubular body (102), which defines a central axis (X102) and a distal mouth, and a tubular plug (104) for passage of the fluid, which is positioned coaxially inside the body, which juts out axially from the body and which includes a flange (104b). It further comprises a sleeve (116), which is axially movable around the plug (104) between a first position, where it is away from the flange (104b) and a second position, where it is close to the flange (104b) or in abutment to the latter, a member (108) for controlling displacement of the sleeve from its first to its second position, and a device (105) for locking the control member (108), including a first portion (106) able to slide inside the body (102) around the tubular plug between a distal position of the first portion, where it does not oppose maneuvering of the control member for displacing the sleeve (116) from its first to its second position, and a second portion (114), which is able to slide inside the body around the tubular plug between a distal position of the second portion and a proximal position of the second portion, which is able to drive the first portion of the device from its distal position towards its proximal position and which has an end accessible to the mouth of the body. Fig. 1

No. of Pages: 37 No. of Claims: 16

(21) Application No.4761/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SLIDE GUIDE FRAME SECTION FOR SCREEN DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:E06B3/92 :2012243837 :05/11/2012 :Japan :PCT/JP2013/078157 :17/10/2013 :WO 2014/069242 :NA :NA	(71)Name of Applicant:  1)METACO INC.  Address of Applicant: 203 Nagatani Hill Plaza Roppongi 7 3 8 Roppongi Minato ku Tokyo 1060032 Japan (72)Name of Inventor:  1)OKACHI Yasubumi 2)WATANABE Mitsuharu
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A side wall section of a rigid unit forming a slide guide frame section has a depressed portion formed on approximately one half , a through-hole formed on approximately the other half, and a projection adjacent to the through hole provided in the inner side of the approximate center. The depressed portion is provided with ,in the approximate center , a shaft portion projecting to the outside , and a notch cut out, in the height direction of the rigid unit , from the approximate center of the depressed portion to one end of the side wall section. Two adjacent rigid units are coupled by inserting the shaft portion into the through-hole from the inside, and one freely rotates with respect to the other within the range of the projection contacting one end and the other end of the notch.

No. of Pages: 23 No. of Claims: 3

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : SOLUTION FOR FORMING INSULATION COATING AND GRAIN -ORIENTED ELECTRICAL STEEL SHEET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C23C22/07,H01F1/18 :13154543.6 :08/02/2013 :EPO :PCT/EP2013/060874 :27/05/2013 :WO 2014/121853 :NA :NA :NA	(71)Name of Applicant:  1)THYSSENKRUPP ELECTRICAL STEEL GMBH Address of Applicant: Kurt- Schumacher- Str. 95, 45881  Gelsenkirchen Germany  2)NIPPON STEEL & SUMITOMO METAL  CORPORATION  (72)Name of Inventor:  1)LEMA®TRE, Rgis  2)LAHN, Ludger  3)SCHEPERS, Carsten  4)YAMAZAKI, Shuich  5)TAKEDA, Kazutoshi  6)TAKAHASHI, Masaru  7)SATO, Hirohiko  8)KANEHASHI, Koji
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# (57) Abstract:

A solution for forming an insulation coating of grain- oriented electrical steel sheet includes an aqueous solution prepared by mixing a phosphate solution and colloidal silica. Chromium is not added to the aqueous solution. The colloidal silica includes silica particles surface modified by an aluminate or is prepared by adding an aluminate to colloidal silica such as conventional colloidal silica.

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

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SLANT LENS INTERLACING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/797145 :30/11/2012 :U.S.A. :PCT/US2013/071599 :25/11/2013 :WO 2014/085290 :NA :NA	(71)Name of Applicant:  1)LUMENCO ,LLC Address of Applicant: 3600 South Huron Street, Englewood ,Colorado 80110 U.S.A. (72)Name of Inventor: 1)RAYMOND, Mark, A. 2)SOTO ,Hector ,Andres ,Porras
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method interlacing of images into an interlaced print file for controlling an output device. The interlacing method involves arranging a set of pixels in a line that is traverse but non -orthogonal to the longitudinal axis of a slant lens or lenticule. Each of these pixels is associated with a different frame/image, e.g., six or more frames are used in each interlaced image, with one being visible through the lens or lenticule at a time by a viewer. The slant lens interlacing method does not involve slicing each frame and the splicing these slices together. Instead, individual pixels from each frame are combined within a digital print file in a unique pattern to provide the non orthogonal interlacing described herein (e.g., the new interlacing may be considered matrix interlacing or angular-offset interlacing) and a significantly larger amount of information is presented under each slant lens.

No. of Pages: 46 No. of Claims: 20

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RECOMBINANT MICROORGANISMS AND METHODS OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12N1/21 :61/593269 :31/01/2012 :U.S.A. :PCT/NZ2013/000012 :31/01/2013 :WO 2013/115659 :NA :NA	(71)Name of Applicant:  1)LANZATECH NEW ZEALAND LIMITED  Address of Applicant: 24 Balfour Road Parnell Auckland 1052  New Zealand (72)Name of Inventor:  1)KOEPKE Michael  2)NAGARAJU Shilpa 3)CHEN Wendy
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#### (57) Abstract:

The invention relates to methods for the production of chemical compounds particularly but not exclusively ethanol by microbial fermentation. Also described are genetically modified micro organisms capable of using carbon monoxide to produce one or more products particularly but not exclusively ethanol as a main product and producing a reduced amount or substantially no 2 3 butanediol and/or a precursor thereof.

No. of Pages: 207 No. of Claims: 29

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYNTHETIC PEPTIDE BASED MARKER VACCINE AND DIAGNOSTIC SYSTEM FOR EFFECTIVE CONTROL OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:30/12/2011 :WO 2013/101195 :NA :NA	(71)Name of Applicant:  1)UNITED BIOMEDICAL INC.  Address of Applicant:25 Davids Drive Hauppauge New York 11788 U.S.A. (72)Name of Inventor:  1)Wang Chang Yi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A peptide-based marker vaccine against Porcine Reproductive and Respiratory Syndrome (PRRS) and a set of immunodiagnostic tests for the prevention, monitoring and control of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) are disclosed. Vaccine formulations according to various embodiments of the invention contain a mixture of peptides derived from PRRSV GP2, GPS, GP4, or GPS proteins; each peptide individually contains a B cell PRRSV neutralizing/receptor binding epitope which is individually linked to an artificial T helper epitope for enhancement of the respective peptide's immunogenicity; and which can be supplemented with a mixture of peptides representing the T helper epitopes derived from the PRRSV GP4, GPS, M and Nucleocapsid proteins to provide cell mediated immunity. Such viral peptide compositions are prepared in an acceptable delivery system as vaccine formulations and can provide cross protection of PRRSV antibody free pigs from infection upon PRRSV challenge.

No. of Pages: 142 No. of Claims: 18

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF (CO) POLYMERS OF CONJUGATED DIENES IN THE PRESENCE OF A CATALYTIC SYSTEM COMPRISING A BIS IMINE COMPLEX OF COBALT

:C08F36/06,C08F136/06 (71)Name of Applicant : (51) International classification (31) Priority Document No :MI2012A002199 1)VERSALIS S.P.A. (32) Priority Date Address of Applicant: Piazza Boldrini, 1, 1-20097 San Donato :20/12/2012 (33) Name of priority country Milanese Italy :Italy (86) International Application No :PCT/IB2013/061125 (72) Name of Inventor: Filing Date :19/12/2013 1)RICCI ,Giovanni (87) International Publication No :WO 2014/097199 2)SOMMAZZI, Anna (61) Patent of Addition to Application 3)LEONE, Giuseppe :NA Number 4)MASI ,Francesco :NA Filing Date 5)BOGLIA, Aldo (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Process for the preparation of (co) polymers of conjugated dienes which comprises polymerizing at least one conjugated diene in the presence of a catalytic system comprising at least one bis imine complex of cobalt having general formula (I) wherein: - n is 0 or 1; -Y represents a group CR R - wherein R and R , equal to or different from each other, represent a hydrogen atom; or a linear or branched C1- C20, preferably C1- C15, alkyl group; or a divalent aromatic group optionally substituted; - Ri and R2, equal to or different from each other, represent a hydrogen atom; or they are selected from a linear or branched Ci -C2o/ preferably Ci-C15, alkyl group optionally halogenated, cycloalkyl groups optionally substituted; or Ri and R2 can be optionally bound to each other to form, together with the other atoms to which they are bound, a cycle containing from 4 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched C1-C20, preferably C1-C15, alkyl groups, said cycle optionally containing heteroatoms such as, for example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; R3 and R4, equal to or different from each other, represent a hydrogen atom; or they are selected from a linear or branched Q-C20, preferably C1-C15, alkyl groups optionally halogenated, cycloalkyl groups optionally substituted, aryl groups optionally substituted; or R2 and R4 can be optionally bound to each other to form, together with the other atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated, unsaturated, or aromatic, optionally substituted with linear or branched Ci-C2o, preferably C1-C15 alkyl groups, said cycle optionally containing other heteroatoms such as for example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; or R iand R3 can be optionally bound to each other to form together with the other atoms to which they are bound, a cycle containing from 3 to 6 carbon atoms, saturated unsaturated or aromatic, optionally substituted with linear or branched C1- C20, preferably C1- C15, alkyl groups said cycle optionally containing other heteroatoms such as , for example, oxygen, sulfur, nitrogen, silicon, phosphorous, selenium; Xi and X2, equal to or different from each other represent a halogen atom such as for example chlorine bromine iodine; or they are selected from linear or branched C1- C20 preferably C1- C15, alkyl groups, - OCOR5 groups or - OR, groups wherein R is selected from linear or branched C1- C20 preferably C1- C15, alkyl groups.

No. of Pages: 97 No. of Claims: 18

(21) Application No.6396/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STRUCTURE FOR BUILDING A VEHICLE DRIVER S POSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:23/11/2012 :WO 2013/117261 :NA :NA	(71)Name of Applicant: 1)RENAULT SAS Address of Applicant:13 15 Quai le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)LARVOR Philippe
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a structure for building a driver s position (10) on a vehicle bodywork comprising: at least one building element (18 19) secured to the driver s position (10) at least one lateral bodywork element (8 9) at least one guide mechanism (20) comprising a guide pin (22) arranged in one element either the lateral bodywork element (8 9) or the building element (18 19) and a corresponding guide channel (24) arranged on the other element either the building element (18 19) or the lateral bodywork element (8 9). The guide channel (24) of each guide mechanism (20) is rectilinear and runs parallel to the longitudinal direction of the vehicle in the position of building the driver s position (10) so as to guide the driver s position in a rectilinear movement parallel to the longitudinal direction of the vehicle into a retaining position. The guide channel (24) of each guide mechanism (20) comprises at least one end stop (28) designed to immobilize the guide pin (22) in the retaining position.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : CIRCUIT AND DEVICE FOR PROTECTING INDUCTION MOTORS, INDUCTION MOTOR AND CONTROL AND PROTECTION SYSTEM FOR AN INDUCTION MOTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H02P29/02 :BR 10 2012 030933 5 :04/12/2012 :Brazil :PCT/BR2013/000529 :03/12/2013 :WO 2014/085888	(71)Name of Applicant:  1)WHIRLPOOL S.A.  Address of Applicant: Av. das Na§µes Unidas, 12.995, 32° andar, Brooklin Novo 04578-000 - S£o Paulo - SP Brazil (72)Name of Inventor:  1)KALLUF, Flavio J. H.  2)VON FRHAUF, Felipe Augusto
(86) International Application No Filing Date	:PCT/BR2013/000529 :03/12/2013	1)KALLUF ,Flavio J. H.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2014/085888 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number		

#### (57) Abstract:

The present invention relates to a circuit and device for protecting bivolt motors, preferably for induction motors used in refrigerator hermetic compressors. Provision is also made for an induction motor and a control and protection system for an induction motor in accordance with he techniques of he present invention. In a simplified manner it may be stated that the protection device for a bivolt monophase induction motor envisaged in the present invention comprises a bimetallic disc (Db), a heating resistance element (Ra), a disc connection (Cd) electrically connected to the bimetallic disc (Db), a common connection (Cc) electrically connected to the heating resistance element (Ra) and to the bimetallic disc (Db) and a connection of the resistance element (Cr) electrically connected to the heating resistance element (Ra), wherein the bivolt monophase induction motor comprises at least a first principal winding (Ml) and a second principal winding (M2). The common connection (Cc) is electrically connected to the first principal winding (Ml) and the connection of the resistance element (Cr) is electrically connected to the second principal winding (M2), and the connection of the disc (Cd) is electrically connected to a voltage source (V). The protection device is configured in order to provide thermal protection for the bivolt oo monophase induction motor upon disconnection, simultaneously, of the first 00 00 principal winding (Ml) and the second principal winding (M2) from the voltage source (V), given the heating-up of the bimetallic disc (Db), which 0 o0 electrically disconnects the common connection (Cc) from the voltage source.

No. of Pages: 23 No. of Claims: 16

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ELECTRICITY STORAGE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant:1, Toyota-cho, Toyota-shi, Aichi 471- 8571 Japan (72)Name of Inventor: 1)TANABE, Yukinari 2)NISHI, Yuji 3)KAIVA Hirovuki
(86) International Application No	:PCT/JP2012/007733	(72)Name of Inventor:
Filing Date	:03/12/2012	1)TANABE ,Yukinari
(87) International Publication No	:WO 2014/087442	2)NISHI, Yuji
(61) Patent of Addition to Application	:NA	3)KAIYA ,Hiroyuki
Number	:NA	4)TANAKA ,Hiromasa
Filing Date	:NA	5)KAITA ,Keiji
(62) Divisional to Application Number	:NA	6)ITO, Motoi
Filing Date	:NA	

#### (57) Abstract:

To provide a configuration for cutting off the supply of electricity to an electricity storage block without interposing a controller. [Solution] An electricity storage system has: an electricity storage block including electricity storage elements (11) for performing charging and discharging operations; relays (SMR-B,SMR-G) that switch between an on-state and an off-state, the on-state connecting the electricity storage block to loads (22, 23), the off-state cutting off the connection between the electricity storage block and the loads; a controller (34) for controlling the on- and off-states of the relays; and a current cut-off circuit (60) for switching the relays frOm the on- state to the off-state to cut off the supply of electricity to the electricity storage block. The current cut-off circuit has: alarm circuits (CMP, 62, 63) for comparing the voltage value of the electricity storage block with a threshold value and outputting an alarm signal indicating that the electricity storage block is in an over charged state; a latch circuit (64) for holding the alarm signal; and a transistor (68) for receiving the output signal of the latch circuit and switching the relays from the onstate to the off-state.

No. of Pages: 42 No. of Claims: 10

(22) Date of filing of Application :30/07/2014 (43) P

(43) Publication Date: 27/11/2015

15) CAMPOS Sebastien Andre

16)LE Joelle

# (54) Title of the invention : COMPOUNDS & METHODS FOR THE ENHANCED DEGRADATION OF TARGETED PROTEINS & OTHER POLYPEPTIDES BY AN E3 UBIQUITIN LIGASE

(71)Name of Applicant: 1)YALE UNIVERSITY Address of Applicant: Two Whitney Avenue New Haven CT 06511 U.S.A. (51) International 2)GLAXOSMITHKLINE INTELLECTUAL PROPERTY :C07K19/00,C07D413/12,C07D413/14 classification DEVELOPMENT LIMITED (31) Priority Document No: 61/585769 3)CAMBRIDGE ENTERPRISE LIMITED UNIVERSITY (32) Priority Date :12/01/2012 OF CAMBRIDGE (33) Name of priority (72) Name of Inventor: :U.S.A. country 1) CREWS Craig M. (86) International 2)BUCKLEY Dennis :PCT/US2013/021136 Application No 3) CIULLI Alessio :11/01/2013 Filing Date 4) JORGENSEN William (87) International 5)GAREISS Peter C. :WO 2013/106643 Publication No 6)MOLLE Inge Van (61) Patent of Addition to 7) GUSTAFSON Jeffrey :NA **Application Number** 8)TAE Hyun Seop :NA Filing Date 9)MICHEL Julien (62) Divisional to 10)HOYER Dentin Wade :NA **Application Number** 11)ROTH Anke G. :NA Filing Date 12) HARLING John David 13)SMITH Ian Edward David 14)MIAH Afjal Hussain

#### (57) Abstract:

The present invention relates to bifunctional compounds which find utility as modulators of targeted ubiquitination especially inhibitors of a variety of polypeptides and other proteins which are degraded and/or otherwise inhibited by bifunctional compounds according to the present invention. In particular the present invention is directed to compounds which contain on one end a VHL ligand which binds to the ubiquitin ligase and on the other end a moiety which binds a target protein such that the target protein is placed in proximity to the ubiquitin ligase to effect degradation (and inhibition) of that protein. The present invention exhibits a broad range of pharmacological activities associated with compounds according to the present invention consistent with the degradation/inhibition of targeted polypeptides.

No. of Pages: 510 No. of Claims: 145

(21) Application No.4627/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: COLOR MATCHED COATING FOR BUS BARS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:14/11/2013 :WO 2014/078555 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)SAGE ELECTROCHROMICS INC.</li> <li>Address of Applicant: One Sage Way Faribault MN 55021</li> <li>U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)SBAR Neil L.</li> <li>2)SAVARY Jean Philippe</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention is an insulated glass unit (2) comprising an electrochromic device (4) having at least one bus bar and a color obscuration material wherein the at least one bus bar is coated with an over coating material that is substantially non porous and substantially color matched to one of said color obscuration material a spacer (1) or a polymer seal. The invention also provides for a method of manufacturing the insulated glass unit.

No. of Pages: 27 No. of Claims: 42

(21) Application No.4628/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/05/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention: METHOD FOR BELCHING WATER FROM SWOLLEN SUPERABSORBENT POLYMERS AND METHOD FOR RECYCLING SANITARY ABSORBENT ARTICLES USING THE SAME

(51) International

:A61L15/22,A61L15/18,A61F13/49

classification

:1020120130094

(31) Priority Document No (32) Priority Date

:16/11/2012

(33) Name of priority country: Republic of Korea

(86) International Application :PCT/KR2013/010400

No Filing Date

:15/11/2013

(87) International Publication: WO 2014/077619

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

Filing Date

:NA

(62) Divisional to Application :NA Number

:NA

Filing Date

(71)Name of Applicant:

1)KIMBERLY CLARK WORLDWIDE INC.

Address of Applicant: 401 North Lake Street Neenah

Wisconsin 54957 0349 U.S.A.

2)YUHAN-KIMBERLY, LIMITED

(72)Name of Inventor:

1)PARK Jik Hwan

2) CHIN Jea Seung

3)LEE Ho Sun

4)LEE Won Young

# (57) Abstract:

The present invention relates to a method for removing water from swollen superabsorbent polymers in a gel state and a method for recycling sanitary absorbent articles using the same. According to the method of the present invention for removing water from swollen superabsorbent polymers by immersing swollen superabsorbent polymers in a gel state into a composition wherein sea water that is easily available and calcium chloride that is easily available with low cost are mixed for a specified period of time it is possible to easily and economically remove water from swollen SAPs in a gel state. Thus they can be advantageously used in economical and environmentally friendly recycle of sanitary absorbent articles comprising an absorbent that consists of SAP and cellulose pulp after used for purposes of absorbing human waste.

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

(21) Application No.4790/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ANTI MICROBIAL LAUNDRY DETERGENT PRODUCT

# (57) Abstract:

The use of a laundry detergent composition for providing an anti-microbial benefit. The laundry detergent composition comprises at least 2.9%, preferably from 3.2% to 30%, more preferably from 4.3% to 20%, by weight of the composition of a linear alkylbenzene sulfonate (LAS), and the laundry detergent composition is capable of delivering a free LAS monomer level of more than 60 ppm, preferably from 67 ppm to 500 ppm, more preferably from 88 ppm to 300 ppm, in a laundry washing liquor.

No. of Pages: 31 No. of Claims: 20

(21) Application No.4791/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PHENYLETHYLPYRIDINE DERIVATIVES AS PDE4 INHIBITORS

(51) International

:C07D401/12,A61K31/4427,A61K31/4748

classification

(31) Priority :12195728.6 Document No

(32) Priority Date :05/12/2012

(33) Name of priority :EPO

country

(86) International

:PCT/EP2013/075520 Application No :04/12/2013

:NA

Filing Date

(87) International :WO 2014/086849

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) CHIESI FARMACEUTICI S.P.A.

Address of Applicant: Via Palermo, 26/A, 1-43100 Parma

Italy

(72) Name of Inventor:

1)AMARI, Gabriele

2) ARMANI, Elisabetta

3)RICCABONI, Mauro

4)BAKER -GLENN , Charles

# (57) Abstract:

The invention relates to novel compounds which are both inhibitors of the phosphodiesterase 4 (PDE4) enzyme and muscarinic M3 receptor antagonists, methods of preparing such compounds, compositions containing them and therapeutic use thereof.

No. of Pages: 185 No. of Claims: 13

(21) Application No.4792/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PHENYLETHYLPYRIDINE DERIVATIVES AS PDE4 INHIBITORS

(51) International :C07D401/12,A61K31/4427,C07D453/00 classification

(31) Priority Document :12195725.2

(32) Priority Date :05/12/2012 (33) Name of priority

:EPO country

(86) International :PCT/EP2013/075526 Application No :04/12/2013

Filing Date

(87) International

:WO 2014/086852 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) CHIESI FARMACEUTICI S.P.A.

Address of Applicant: Via Palermo, 26/A, 1-43100 Parma

Italy

(72) Name of Inventor:

1)AMARI, Gabriele

2) ARMANI, Elisabetta 3) RICCABONI, Mauro

4)RIZZI, Andrea

5)BAKER -GLENN, Charles

6)BLACKABY, Wesley

7)VAN DE P-EL, Herv

8) WHITTAKER, Ben

#### (57) Abstract:

The invention relates to novel compounds which are inhibitors of the phosphodiesterase 4 (PDE4) enzyme and muscarinic M3 receptor antagonists, methods of preparing such compounds, compositions containing them and therapeutic use thereof.

No. of Pages: 217 No. of Claims: 13

(19) INDIA

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

(21) Application No.6439/DELNP/2014 A

(43) Publication Date: 27/11/2015

### (54) Title of the invention: NI BASE ALLOY

(51) International classification	:C22C19/00	(71)Name of Applicant:
(31) Priority Document No	:2012024294	1)MITSUBISHI MATERIALS CORPORATION
(32) Priority Date	:07/02/2012	Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008117 Japan
(86) International Application No	:PCT/JP2013/052683	2)HITACHI METALS MMC SUPERALLOY LTD.
Filing Date	:06/02/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/118750	1)ITOH Masato
(61) Patent of Addition to Application	:NA	2)YAGUCHI Kenichi
Number		3)FUKUDA Tadashi
Filing Date	:NA	4)MATSUI Takanori
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This Ni base alloy is characterized by having an estimated maximum nitride size of 25  $\mu$ m or smaller in terms of area equivalent diameter. The estimated maximum nitride size is determined in the following manner. A field of view having an area of S is examined and the area equivalent diameter D defined by D=A is calculated from the area A of the maximum size nitride present in the field of view. This procedure is repeated in the number n of fields of view to acquire n pieces of data on the area equivalent diameter D. These pieces of data on the area equivalent diameter D are sequenced in order of increasing diameter into D D  $\cdots$  and D to determine a normalized variable y. The obtained values are plotted on X Y axis coordinates where the X axis is the area equivalent diameter D and the Y axis is the normalized variable y to thereby determine the regression line y=a—D+b (a and b are constants). The cross sectional area S for the estimation is taken as 100 mm and the y is determined. The obtained value of y is substituted into the regression line to calculate the area equivalent diameter.

No. of Pages: 25 No. of Claims: 5

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : ENCODING DEVICE AND ENCODING METHOD, AND DECODING DEVICE AND DECODING METHOD

:H04N19/50,H04N13/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012270408 1)SONY CORPORATION (32) Priority Date Address of Applicant :1-7-1, Konan, Minato-ku, Tokyo :11/12/2012 (33) Name of priority country 1080075 Japan :Japan (86) International Application No :PCT/JP2013/082013 (72) Name of Inventor: Filing Date :28/11/2013 1)TAKAHASHI Yoshitomo (87) International Publication No :WO 2014/091933 2)NAKAGAMI Ohji (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

This technology pertains to an encoding device and encoding method which make it possible to improve the encoding efficiency of images having multiple viewpoints , and to a decoding device and decoding method. A motion- parallax- prediction/compensation unit sets the following information in a list (L0) in a first order ,and in a list (L1) in a second order which differs from the first order: first-image- identifying information for identifying a first image having a viewpoint extending in a first direction from the viewpoint of the image to be encoded; and second- image- identifying information for identifying a second image having a viewpoint extending in a second direction which is opposite from the first direction. The motion- parallax- prediction/compensation unit and a calculation unit encode the image to be encoded and generate encoded data on the basis of the list (L0) and the list (L1). It is possible to use this technology in , for example , an encoding device or the like for encoding a 3D image.

No. of Pages: 171 No. of Claims: 12

(21) Application No.4799/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: IMPROVED SYNTHESIS OF 2, 3, 3, 3-TETRAFLUOROPROPENE/VINYLIDENE FLUORIDE **COPOLYMERS**

(51) International :C08F214/18,C08F214/22,C08F2/38

classification

(31) Priority Document No :61/745172 (32) Priority Date :21/12/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/074232

Application No :11/12/2013 Filing Date

(87) International Publication :WO 2014/099508

(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)HONEYWELL INTERNATIONAL INC.

Address of Applicant : Patent Services M/S AB/2B, 101 Columbia Road, P. O. Box 2245, Morristown, New Jersey 07962

2245 U.S.A.

(72) Name of Inventor:

1)LU ,Changqing 2)POSS, Andrew J. 3)SINGH, Rajiv R. 4)NALEWAJEK, David 5) CANTLON, Cheryl

# (57) Abstract:

In accordance with the present invention, aqueous emulsion polymerization processes of synthesizing 2, 3, 3, 3tetrafluoropropene/vinylidene fluoride copolymers having 2, 3, 3, 3- tetrafluoropropene as the major monomer unit are provided.

No. of Pages: 11 No. of Claims: 10

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROTECTIVE CAP FOR A PRESSURISED FLUID CYLINDER VALVE AND PRODUCTION METHOD THEREOF

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:1253604	(71)Name of Applicant:  1)LAIR LIQUIDESOCIETE ANONYME POUR LETUDE ET LEXPLOITATION DES PROCEDES GEORGES CLAUDE  Address of Applicant: 75 Quai dOrsay F 75007 Paris France (72)Name of Inventor:  1)LIGONESCHE Renaud 2)TRINDADE Fran§ois 3)LEBEGUE William
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#### (57) Abstract:

The invention relates to a protective cap for a pressurised fluid cylinder valve comprising a hoop (1) defining a sheltered protected space the lower end of the hoop (1) being secured to the generally annular base (2) that is intended to be mounted around the neck of a pressurised fluid cylinder. The cap is characterised in that the hoop (1) comprises a draw formed metal sheet. The invention also relates to the corresponding method.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROVIDING A VEHICLE WITH ELECTRIC ENERGY USING INDUCTION AND A RECTIFIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:18/02/2013 :WO 2013/121040 :NA :NA :NA	(71)Name of Applicant:  1)BOMBARDIER TRANSPORTATION GMBH Address of Applicant: Schneberger Ufer 1 10785 Berlin Germany (72)Name of Inventor: 1)ANDERS Dominik
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an arrangement for providing a vehicle in particular a track bound vehicle and/or a road automobile with electric energy wherein the arrangement comprises a receiving device (1) adapted to receive an alternating electromagnetic field and to produce an alternating electric current by electromagnetic induction the receiving device (1) comprises at least one inductance (3) which is formed by an electrically conducting material for producing one phase of the alternating electric current by the electromagnetic induction the at least one inductance (3) and optionally at least one further electrical element (4) which is connected to the inductance (3) in order to produce one phase of the alternating electric current comprise(s) a resonance frequency at which the phase of the alternating electric current is produced if an alternating electromagnetic field of corresponding frequency is received by the receiving device (1) the inductance (3) is connected to a rectifier (10) for rectifying the alternating electric current and thereby producing a direct electric current the rectifier (10) comprises at least one automatically controllable switch (12 13) which is or in case of more than one automatically controllable switch (12 13) which are arranged in such a manner that closing the switch (12 13) or closing a plurality of the switches (12 13) results in a short circuit across the inductance (3) or across two or more of the inductances (3) the arrangement comprises a control device which is adapted to control the at least one automatically controllable switch (12 13) and the control device is adapted to switch on and off the at least one automatically controllable switch (12 13) at a frequency which is smaller than the resonance frequency.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CARBAMATE COMPOUNDS AND OF MAKING AND USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:C09D :61/631558 :06/01/2012 :U.S.A. :PCT/US2013/020551 :07/01/2013 :WO 2013/103973 :NA :NA :NA	(71)Name of Applicant:  1)ABIDE THERAPEUTICS INC. Address of Applicant: 3545 John Hopkins Ct. Suite 250 San Diego CA 92121 U.S.A.  2)THE SCRIPPS RESEARCH INSTITUTE (72)Name of Inventor: 1)CISAR Justin S. 2)GRICE Cheryl A. 3)JONES Todd K. 4)NIPHAKIS Micah J. 5)CHANG Jae Won 6)LUM Kenneth M. 7)CRAVATT Benjamin F.
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### (57) Abstract:

This disclosure provides compounds and compositions which may be modulators of MAGL and/or ABHD6 and their use as medicinal agents processes for their preparation and pharmaceutical compositions that include disclosed compunds as at least one active agent. The disclosure also provides for method of treating a patient in need thereof where the patient is suffering from indications such as pain solid tumor cancer and/or obesity comprising administering a disclosed compound or composition.

No. of Pages: 272 No. of Claims: 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6394/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HOST CELLS WITH ARTIFICIAL ENDOSYMBIONTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12N15/64 :13/374799 :13/01/2012 :U.S.A. :PCT/US2013/021414 :14/01/2013 :WO 2013/106814 :NA	(71)Name of Applicant:  1)BELL BIOSYSTEMS INC.  Address of Applicant:530 Lytton Avenue 2nd Floor Palo Alto CA 94301 U.S.A.  (72)Name of Inventor:  1)BELL Caleb B. III  2)BAZAROV Alexey
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention is directed generally to eukaryotic cells comprising single celled organisms that are introduced into the eukaryotic cell through human intervention and which transfer to daughter cells of the eukaryotic cell through at least five cell divisions and methods of introducing such single celled organisms into eukaryotic cells. The invention provides single celled organisms that introduce a phenotype to eukaryotic cells that is maintained in daughter cells. The invention additionally provides eukaryotic cells containing magnetotactic bacteria.

No. of Pages: 30 No. of Claims: 23

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR WASHING A FILTER HAVING AT LEAST TWO LAYERS OF FILTERING MEDIA IN PARTICULAR FOR FILTERING SEAWATER AND EQUIPMENT FOR IMPLEMENTING SAID METHOD

(51) International classification :B01D24/46 (71)Name of Applicant: (31) Priority Document No :12 50926 1)DEGREMONT (32) Priority Date Address of Applicant :Tour CB 21 16 Place de IIris F 92040 :01/02/2012 (33) Name of priority country Paris La Defense Cedex France :France (86) International Application No :PCT/IB2013/050750 (72)Name of Inventor : Filing Date :29/01/2013 1)FLORES Grard (87) International Publication No :WO 2013/114275 (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 method for washing a filter (F) having at least two layers of filtering media (4 5) for raw water containing components having a tendency to form cakes (M) in particular for seawater the layers of filtering media being supported by a base (6) comprising pass through openings and provided with nozzles (6a) enabling air and/or wash water to be injected the raw water flowing through the layers from top to bottom and the treated water being recovered at the lower portion of the filter and which comprises at least one spillway (D) at the upper portion thereof for collecting the wash water. The method includes the following series of steps: a) the raw water intake (2)is closed followed by the filtration outlet valve (13) the filter is depressurized and the filter cake is broken; b)the water level in the filter is lowered; c) only pressurized air is blown into the lower portion of the filter said air passing through the layers of the filter from bottom to top and causing the cakes to be reduced to particles in particular by means of friction; d) rinsing is carried out from bottom to top using only water the water rinsing time being sufficiently short to ensure that the water level stops below the level of the upper edge of the wash water collection spillway; e) the filter water is emptied once again by discharging same from the lower portion of the filter; f) steps c) d) and e) are repeated at least once and a final rinsing is carried out by injecting a quantity of backwashing water through the bottom portion of the filter which is then discharged from the upper portion of the filter via a pipe (14).

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

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : TRYPSIN-LIKE SERINE PROTEASE INHIBITORS AND THEIR PREPARATION AND USE $\bullet$

(51) I. (	A C177	(71)Ni C. A P
(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:61/299,054	1)THE MEDICINES COMPANY (LEIPZIG) GMBH
(32) Priority Date	:28/01/2010	Address of Applicant :Deutscher Platz 5d D-04103 Leipzig
(33) Name of priority country	:U.S.A.	Germany; Germany
(86) International Application No	:PCT/US2011/022863	(72)Name of Inventor:
Filing Date	:28/01/2011	1)HEROLD Peter
(87) International Publication No	: NA	2)DAGHISH Mohammed
(61) Patent of Addition to Application	:NA	3)JELAKOVIC Stjepan
Number		4)LUDWIG Friedrich-Alexander
Filing Date	:NA	5)REICHELT Claudia
(62) Divisional to Application Number	:NA	6)SCHULZE Alexander
Filing Date	:NA	7)SCHWEINITZ Andrea

## (57) Abstract:

The invention provides compounds that are effective as inhibitors of human plasmin and plasma kallikrein and that are useful for the prevention of blood loss and as components of fibrin adhesives. The invention further provides methods of making and using the compounds.

No. of Pages: 62 No. of Claims: 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6403/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: MODIFIED EPITOPES FOR BOOSTING CD4+ T CELL RESPONSES

(51) International :A61K35/14,C07K14/435,C07K14/47

classification

(31) Priority Document No :1201511.1 (32) Priority Date :30/01/2012

(33) Name of priority :U.K.

country

(86) International :PCT/BE2013/000006

Application No :30/01/2013 Filing Date

(87) International

:WO 2013/113076 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)KATHOLIEKE UNIVERSITEIT LEUVEN

Address of Applicant : K.U.Leuven R&D Waaistraat 6 Box

5105 B 3000 Leuven Belgium

2)LIFE SCIENCES RESEARCH PARTNERS VZW

(72)Name of Inventor:

1)SAINT REMY Jean Marie

### (57) Abstract:

The present invention relates to immunogenic peptides comprising a T cell epitope. Said peptides are modified such that CD4+ T cell responses are obtainable that are much stronger than the CD4+ T cell responses obtained with the same peptides not comprising said modification. In particular the modification is the addition of a cysteine insertion of a cysteine or mutation into a cysteine of a residue at a position adjacent to but outside the MHC binding site of the peptide. Further disclosed are the use of such modified peptides in treating suppressing or preventing diseases such as infectious or allergic diseases and autoimmune diseases in preventing or suppressing graft rejection or in the eradication of tumor cells.

No. of Pages: 54 No. of Claims: 17

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SUSTAINED RELEASE OF ANTIINFECTIVES

(51) International classification:A61K 9/127(31) Priority Document No:11/185,448(32) Priority Date:19/07/2005(33) Name of priority country:U.S.A.

(86) International Application No
Filing Date

(87) International Publication No

:PCT/US2006/027859
:19/07/2006
:WO 2007/011940

(61) Patent of Addition to Application
Number
:NA

Filing Date

(62) Divisional to Application Number

Filed on

(71)Name of Applicant:

1)INSMED INCORPORATED

:19/07/2005 Address of Applicant :PRINCETON CORPORATE PLAZA, :U.S.A. 9, DEER PARK DRIVE, SUITE C, MONMOUTH JUNCTION, :PCT/US2006/027859 NEW JERSEY 08852, UNITED STATES OF AMERICA, U.S.A.

(72)Name of Inventor:1)BONI, LAWRENCE T.2)MILLER, BRIAN S.

3)MALINI, VLADIMIR 4)LI, XINGONG

### (57) Abstract:

Provided are lipid antiinfective formulations substantially free of anionic lipids with a lipid to antiinfective ratio is about 1:1 to about 4:1, and a mean average diameter of less than about 1 [jm. Also provided is a method of preparing a lipid antiinfective formulation comprising an infusion process. Also provided are lipid antiinfective formulations wherein the lipid to drug ratio is about 1:1 or less, about 0.75:1 or less, or about 0.50:1 or less prepared by an in line fusion process. The present invention also relates to a method of treating a patient with a pulmonary infection comprising administering to the patient a therapeutically effective amount of a lipid antiinfective formulation of the present invention. The present invention also relates to a method of treating a patient for cystic fibrosis comprising administering to the patient a therapeutically effective amount of a lipid antiinfective formulation of the present invention.

No. of Pages: 64 No. of Claims: 12

(21) Application No.6407/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPACT EYE TRACKED HEAD MOUNTED DISPLAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/632441 :24/01/2012 :U.S.A. :PCT/US2013/022918 :24/01/2013 :WO 2013/112705 :NA	(71)Name of Applicant:  1)THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA Address of Applicant: University Services Bldg Room 204 888 N. Euclid Avenue P.O. Box 210158 Tucson AZ 85721 0158 U.S.A. 2)AUGMENTED VISION INC. (72)Name of Inventor: 1)GAO Chunyu
	:NA :NA :NA	(72)Name of Inventor: 1)GAO Chunyu 2)HUA Hong
Filing Date	:NA	

# (57) Abstract:

Eye tracked head mounted displays are provide which in one aspect may utilize the same optics for eyetracking and image viewing with a selected portion of the optics used for an eyetracking optical path and a selected portion of the display optics used for an image viewing optical path.

No. of Pages: 43 No. of Claims: 30

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INSECTICIDE COMPOSITION AND METHOD OF CONTROLLING INSECTS USING THE SAME •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :KE/P/2010/001068 :01/04/2010 :Kenya :PCT/CN2011/072280 :30/03/2011 :WO 2011/120427 :NA :NA	(71)Name of Applicant:  1)ROTAM AGROCHEM INTERNATIONAL CO. LTD.  Address of Applicant: 7/F Cheung Tat Centre 18 Cheung Lee Street Chai Wan Hongkong (China) Hongkong(China) (72)Name of Inventor:  1)BRISTOW James Timothy
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### (57) Abstract:

A pour-on formulation for control of an external parasite on an animal is provided the formulation comprising an effective amount of an ectoparasiticidally active ingredient and at least one C2-C4 dialkylene glycol mono/di - C1-C4 alkyl ether as a carrier. The ectoparasiticidally active ingredient is preferably an insect growth regulator (IGR). There is further provided the use of a C2-C4 dialkylene glycol mono/di - C1-C4 alkyl ether for improving the properties of a pour-on formulation in particular the properties of stability efficacy and water-resistance.

No. of Pages: 32 No. of Claims: 12

(21) Application No.6862/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR THE ACETYLATION OF WOOD ELEMENTS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C07C :1001750.7 :04/02/2010 :U.K. :PCT/GB2011/050202 :04/02/2011 :WO 2011/095824 :NA :NA	(71)Name of Applicant: 1)TITAN WOOD LIMITED Address of Applicant: Kensington Centre 66 Hammersmith Road London W14 8UD United Kingdom U.K. (72)Name of Inventor: 1)MAES MICHEL 2)POL BENO
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A composite wood product containing acetylated wood elements characterized by an average value in thickness swelling not exceeding 5% after subjection to 25 wet-dry/freeze-thaw cycles as described in Table II. Alternative chacterizations include moduli of elasticity and rupture and bending strength. A two stage process for the acetylation of wood elements is also described.

No. of Pages: 15 No. of Claims: 18

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR PRESS-FORMING L-SHAPED COMPONENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B68F :2010-115208 :19/05/2010 :Japan :PCT/JP2011/061504 :19/05/2011 : NA :NA :NA	(71)Name of Applicant:  1)NIPPON STEEL & SUMITOMO METAL CORPORATION  Address of Applicant:6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN Japan (72)Name of Inventor:  1)YASUHARU TANAKA 2)TAKASHI MIYAGI 3)MISAO OGAWA 4)SHIGERU UCHIYAMA
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#### (57) Abstract:

The present invention provides a forming method that forms a press component with an L shape from a blank metal sheet, the press component having a top sheet section and a vertical wall section which is connected to the top sheet section via a bent section having a part curved in an arc shape and which has a flange section on an opposite side to the bent section, the top sheet section being arranged on an outside of the arc of the vertical wall section, the method including: disposing the blank metal sheet between a die amd both of a pad and a bending die; and forming the vertical wall section and the flange section while at least a part of the blank metal sheet is caused to slide on a part of the die corresponding to the top sheet section, the forming of the vertical wall section and the flange section being performed in a state where the pad is made close to or brought into contact with the blank metal sheet.

No. of Pages: 77 No. of Claims: 20

(22) Date of filing of Application :06/08/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : INTERNAL COMBUSTION ENGINE HAVING TWO LUBRICATING CHAMBERS SEPARATED FROM ONE ANOTHER IN A FLUID-TIGHT MANNER

(51) International classification	:B68F	(71)Name of Applicant:
(31) Priority Document No	:10 2010 013 927.0	1)SCHAEFFLER TECHNOLOGIES AG & CO. KG
(32) Priority Date	:06/04/2010	Address of Applicant :Industriestrae 1-3 91074
(33) Name of priority country	:Germany	Herzogenaurach Germany
(86) International Application No	:PCT/EP2011/054788	(72)Name of Inventor:
Filing Date	:29/03/2011	1)BOLKO SCHUSEIL
(87) International Publication No	: NA	2)LAJOS FARKAS
(61) Patent of Addition to Application Number	:NA :NA	3)KLAUS HAHN
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An internal combustion engine (1) having a crankshaft (2), having at least one camshaft (12) for actuating gas exchange valves (15, 104), and having a synchronous drive (9) which transmits the rotation of the crankshaft (2) to the camshaft (12), wherein the crankshaft (2) is arranged predominantly in a first chamber (6) which is separated in a fluid-tight manner from a second chamber (8) in which the synchronous drive (9) is arranged, wherein the camshaft (12) is also arranged in the second chamber (8).

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

(22) Date of filing of Application :06/08/2012

(43) Publication Date: 27/11/2015

(54) Title of the invention: PREDICTIVE CODING METHOD FOR MOTION VECTOR PREDICTIVE DECODING METHOD FOR MOTION VECTOR VIDEO CODING DEVICE VIDEO DECODING DEVICE AND PROGRAMS THEREFOR

(32) Priority Date:09/02(33) Name of priority country:Japan(86) International Application No:PCT	1)NIPPON TELEGRAPH AND TELEPHONE CORPORATION Address of Applicant :3-1 Otemachi 2-chome Chiyoda-ku Tokyo 1008116 Japan (702/2011 (702/2011 (A 1)MASAKI KITAHARA 2)ATSUSHI SHIMIZU 3)MAYUKO WATANABE
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## (57) Abstract:

In a moving picture encoding apparatus, a primary candidate reference motion vector-setting unit sets N primary candidate reference motion vectors. A degree of reliability calculation unit calculates the reliability of each primary candidate reference motion vector, which represents effectiveness in predicting a motion vector of a block to be decoded, using coded or decoded image information. A reference motion vector determination unit selects M (M<N) secondary candidate reference motion vectors in accordance with degree of reliability from among the N primary candidate reference motion vectors. A motion vector prediction unit creates a predictive motion vector of a block to be coded using M secondary candidate reference motion vectors with high reliability.

No. of Pages: 47 No. of Claims: 12

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HYDRAULIC FORMING METHOD AND HYDRAULIC FORMING 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> </ul>	:02/02/2011 :WO 2011/096586	(71)Name of Applicant:  1)NIPPON STEEL & SUMITOMO METAL  CORPORATION  Address of Applicant: 6-1, MARUNOUCHI 2-CHOME,  CHIYODA-KU, TOKYO 100-8071, JAPAN Japan  (72)Name of Inventor:  1)KOICHI SATO  2)MASAAKI MIZUMURA
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>		1)KOICHI SATO
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides a hydroforming method characterized by comprising a step of placing tube end portions of a tube blank in entrance portions of a pair of dies, astep of press-forming by driving one of the pair of dies toward the other to press the tube end portions of the tube blank inward by means of the tapered portions, and a step of hydroforming the tube blank by supplying forming liquid into the interior of the tube blank whose opposite tube end faces are abutted against the cavity bottom surfaces of the pair of dies to impart an internal pressure load and driving one of the pair of dies. toward the other to apply, a compressive load in the tube axial direction.

No. of Pages: 47 No. of Claims: 13

(21) Application No.4852/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

# (54) Title of the invention: TREATED SILICAS AND METAL SILICATES FOR IMPROVED CLEANING IN DENTIFRICE

(51) International :C01B33/18,C01B33/193,A61K8/25 classification

(31) Priority Document No :61/727831 :19/11/2012 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application:PCT/US2013/067087

No :28/10/2013 Filing Date

(87) International Publication :WO 2014/078066 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)J.M. HUBER CORPORATION

Address of Applicant: 3100 Cumberland Blvd., Suite 600,

Atlanta, GA 30339 U.S.A. (72) Name of Inventor: 1) GALLIS, Karl, W. 2) HAGAR, William, J. 3)MCGILL, Patrick

4) NASSIVERA, Terry, W.

Treated silica materials are disclosed, together with methods of making such materials and dentifrice compositions comprising the treated silica materials.

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

⁽⁵⁷⁾ Abstract:

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: EFFICIENT TREATMENT OF WASTEWATER USING ELECTROCHEMICAL CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:02/12/2013 :WO 2014/085924 :NA :NA	(71)Name of Applicant:  1)AXINE WATER TECHNOLOGIES INC.  Address of Applicant: Suite 210 - 2386 East Mall, Vancouver, British Columbia V6T 1Z3 Canada (72)Name of Inventor:  1)LEGZDINS, Colleen
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An efficient method and system for the electrochemical treatment of waste water comprising organic and/or inorganic pollutants is disclosed. The system comprises at least first and second solid polymer electrolyte electrolytic cell stacks in which each cell comprises a solid polymer, proton exchange membrane electrolyte operating without catholyte or other supporting electrolyte. The first and second stacks differ either in construction or operating condition. The cell stack design and operating conditions chosen provide for significantly greater operating efficiency.

No. of Pages: 58 No. of Claims: 20

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR IMPARTING FILTERING CAPABILITY IN ELECTROLYTIC CELL FOR WASTEWATER TREATMENT

(51) International classification :C02F1/469,C02F1/461,C25B1/04 (71)Name of Applicant : (31) Priority Document No 1)AXINE WATER TECHNOLOGIES INC. :61/732366 (32) Priority Date :02/12/2012 Address of Applicant :Suite210- 2386 East Mall, Vancouver British Columbia V6T 1Z3 Canada (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application :PCT/CA2013/050897 1)LEGZDINS, Colleen :25/11/2013 Filing Date (87) International Publication :WO 2014/082170 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

An electrolytic cell, system, and method for the energy efficient electrochemical treatment of wastewater comprising organic and/or inorganic pollutants are disclosed. The system comprises an electrolytic cell comprising a solid polymer, proton exchange membrane electrolyte operating without catholyte or other supporting electrolyte. The electrolytic cell also comprises a filter layer incorporated between the anode fluid delivery layer and the anode flow field plate for removing various contaminants including particulates and/or suspended solids from the wastewater stream. The cell design and operating conditions chosen provide for significantly greater operating efficiency.

No. of Pages: 31 No. of Claims: 20

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PROCESSES AND APPARATUS FOR PRODUCING NANOCELLULOSE AND COMPOSITIONS AND PRODUCTS PRODUCED THEREFROM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08B15/08 :61/732047 :30/11/2012 :U.S.A. :PCT/US2013/072441 :28/11/2013 :WO 2014/085729 :NA :NA	(71)Name of Applicant:  1)API INTELLECTUAL PROPERTY HOLDINGS LLC Address of Applicant: Attn: Ryan O'Connor, 750 Piedmont Ave., NE, Atlanta, Georgia 30308 U.S.A. (72)Name of Inventor: 1)NELSON, Kimberly 2)RETSINA, Theodora 3)PYLKKANEN, Vesa 4)OCONNOR, Ryan
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#### (57) Abstract:

Processes disclosed are capable of converting biomass into high- crystallinity nanocellulose with surprisingly low mechanical energy input. In some variations, the process includes fractionating biomass with an acid (such as sulfur dioxide), a solvent (such as ethanol), and water, to generate cellulose-rich-solids and a liquid containing hemicellulose and lignin; and mechanically treating the cellulose-rich solids to form nanofibrils and/or nanocrystals. The total mechanical energy may be less than 500 kilowatt -hours per ton. The crystallinity of the nanocellulose material may be 80% or higher, translating into good reinforcing properties for composites.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHODS OF USING ULTRASONICALLY POWERED SURGICAL INSTRUMENTS WITH ROTATABLE CUTTING IMPLEMENTS

(51) International classification	:A61B	(71)Name of Applicant: 1)ETHICON ENDO-SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:
(31) Priority Document No	:12/703,864	1)GALEN C. ROBERTSON
(32) Priority Date	:11/02/2010	2)RICHARD W. TIMM
(33) Name of priority country	:U.S.A.	3)DANIEL J. MUMAW
(86) International Application No	:PCT/US2011/024184	4)FOSTER B. STULEN
Filing Date	:09/02/2011	5)GREGORY W. JOHNSON
(87) International Publication No	:WO 2011/100317	6)JEROME R. MORGAN
(61) Patent of Addition to Application	:NA	7)KEVIN L. HOUSER
Number	:NA	8)MARK A. NEUROHR
Filing Date	.IVA	9)PRASANNA MALAVIYA
(62) Divisional to Application Number	:NA	10)REGINALD D. FORTSON
Filing Date	:NA	11)SEAN P. CONLON
		12)WILLIAM D. DANNAHER
		13)EITAN T. WEINER
		14)KRISTI M. BODIN
		15)WILLIAM S. JOACHIM

#### (57) Abstract:

In one general aspect, various embodiments are directed to methods for treating tissue within an aqueous environment. Various methods may include introducing a cutting implement of a surgical instrument into the aqueous environment. The cutting implement may have at least one cutting surface thereon and at least one ultrasonic portion thereon and be selectively rotatable within a hollow sheath. The methods may include rotating or rotatably oscillating the cutting implement within the hollow sheath for tissue cutting purposes. The cutting implement may also be retained in a position wherein the ultrasonic portion of the cutting implement may be applied to tissue and then have ultrasonic motion applied thereto.

No. of Pages: 110 No. of Claims: 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4837/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

## (54) Title of the invention: ADHESIVE COMPOSITION FOR PROTECTIVE FILM OF COATED SURFACE AND METHOD FOR PREPARING SAME

(51) International

:C09J153/02,C09J7/02,C09J193/00 classification

(31) Priority Document No

:2012268149

(32) Priority Date

:07/12/2012 :Japan

(33) Name of priority country (86) International Application

:PCT/JP2013/080508

No

:12/11/2013

Filing Date

(87) International Publication

:WO 2014/087815

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

:NA :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KRATON POLYMERS U.S. LLC

Address of Applicant :16400 Park Row Houston Texas 77084

U.S.A.

(72) Name of Inventor:

1)MASUKO Norio

2)KATO Hiroshi

### (57) Abstract:

[Problem] To provide: an adhesive composition that is for a protective film and that suppresses glue residue and surface contamination at a coated surface; and a method for preparing the adhesive composition. [Solution] The adhesive composition for a protective film of a coated surface contains 1- z0 parts by weight of a predetermined polar adhesive resin compound for every 100 parts by weight of a predetermined block copolymer, and the solubility parameter of the polar adhesive resin compound calculated by means of Small s method using the constants of Hoy is 8.2-9.2 inclusive.

No. of Pages: 48 No. of Claims: 30

(22) Date of filing of Application :04/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : BLOOD- SUGAR LEVEL PREDICTION DEVICE , MEASUREMENT DEVICE , BLOOD- SUGAR LEVEL PREDICTION METHOD AND COMPUTER- READABLE STORAGE MEDIUM

:G06Q50/22,A61B5/1455 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012265283 1)NEC SOLUTION INNOVATORS LTD. (32) Priority Date :04/12/2012 Address of Applicant: 1-18-7, Shinkiba, Koto-ku, Tokyo (33) Name of priority country 1368627 Japan :Japan (86) International Application No :PCT/JP2013/079441 (72) Name of Inventor: Filing Date :30/10/2013 1)KAMIMURA Ippei (87) International Publication No :WO 2014/087768 (61) Patent of Addition to Application :NA Number :NA Filing Date

## (57) Abstract:

Filing Date

Provided is a blood -sugar level prediction device (10) for predicting the blood- sugar level of a user (30). The blood sugar level prediction device (10) is provided with a pattern selection unit (11) for selecting one pattern from among a plurality of preset patterns of variation in blood- sugar level over time on the basis of the user s (30) blood -sugar level when the user (30) is fasting , and a correction processing unit (12) for correcting the selected pattern using a plurality of measurement values obtained by taking optical measurements of the user s (30) blood- sugar levels on a variety of measurement dates.

No. of Pages: 36 No. of Claims: 13

(62) Divisional to Application Number :NA

:NA

(21) Application No.4839/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HORIZONTAL BALANCED SOLAR TRACKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:09/12/2013 :WO 2014/093258 :NA :NA :NA	(71)Name of Applicant:  1)NEXTRACKER INC. Address of Applicant:6200 Paseo Padre Parkway, Fremont, California 94555 U.S.A. (72)Name of Inventor: 1)AU, Alexander W.
Filing Date	:NA	

### (57) Abstract:

In an example, the present invention provides a solar tracker apparatus. In an example, the apparatus comprises a center of mass with an adjustable hanger assembly configured with a clam shell clamp assembly on the adjustable hanger assembly and a cylindrical torque tube comprising a plurality of torque tubes configured together in a continuous length from a first end to a second end such that the center of mass is aligned with a center of rotation of the cylindrical torque tubes to reduce a load of a drive motor operably coupled to the cylindrical torque tube. Further details of the present example ,among others , can be found throughout the present specification and more particularly below.

No. of Pages: 94 No. of Claims: 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5443/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application:19/06/2012 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PRE TREATMENT OF CELLULOSIC MATERIAL

(51) International classification :C12P7/10,D21C1/10,D21C3/02 (71)Name of Applicant :

(31) Priority Document No :09180192.8 (32) Priority Date :21/12/2009

(33) Name of priority country :EPO

(86) International Application No: PCT/EP2010/070134

Filing Date :17/12/2010 (87) International Publication No: WO 2011/080131

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)SEKAB E TECHNOLOGY AB

Address of Applicant :Box 286 S 891 26 –rnskldsvik Sweden

(72)Name of Inventor:

1)VAN DER MEULEN Torbjrn

2) FORSS Stanley 3)ELFVING Lars

4)MAGNUSSON Staffan 5)H,,GGLUND Magnus 6)SJ-BLOM Anders

### (57) Abstract:

A method of pre treating a cellulosic material before hydrolysis is provided. The method comprises the steps of: impregnating the cellulosic material with a reactive water soluble gas such as sulphur dioxide (SO) or carbon dioxide (CO) in an impregnation chamber to obtain impregnated material; and heating the impregnated material to obtain pre treated material wherein the cellulosic material is compressed right before or when it is transferred to the impregnation chamber. A corresponding system is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6931/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPOUNDS AND METHODS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C07C :61/294,637 :13/01/2010 :U.S.A. :PCT/US2011/020798 :11/01/2011 :WO 2011/088027	(71)Name of Applicant:  1)GLAXOSMITHKLINE LLC  Address of Applicant: One Franklin Plaza 200 North 16th  Street Philadelphia Pennsylvania 19102 U.S.A.  (72)Name of Inventor:  1)LARA S. KALLANDER  2)BRIAN GRIFFIN LAWHORN
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2011/088027 :NA :NA :NA :NA	2)BRIAN GRIFFIN LAWHORN 3)JOANNE PHILP 4)YONGDONG ZHAO

# (57) Abstract:

Disclosed are compounds having the formula (I): wherein R1, R2, R3, R4, R5, and R6 are as defined herein, and methods of making and using the same.

No. of Pages: 274 No. of Claims: 14

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : ROTATABLE CUTTING IMPLEMENT ARRANGEMENTS FOR ULTRASONIC SURGICAL INSTRUMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:09/02/2011 :WO 2011/100328 :NA	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor: 1)GALEN C. ROBERTSON 2)RICHARD W. TIMM 3)KIP M. RUPP 4)KRISTINA A. SNYDER
Number Filing Date	:NA :NA	4)KRISTINA A. SNYDER
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one general aspect, various embodiments are directed to an ultrasonic surgical instrument that comprises a handpiece housing that rotatably supports an ultrasonic transducer assembly therein that may be selectively rotated by a motor housed therein. Various forms of blades and blade and sheath mounting arrangements are disclosed such that the blade may be selectively rotatable within a hollow outer sheath. The hollow outer sheath has at least one opening therein through which the blade tip may be exposed to tissue. Vacuum may be applied to the cutting implement or through the outer sheath to draw tissue through the opening(s) in the sheath and into contact with a portion of the blade.

No. of Pages: 111 No. of Claims: 18

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ADHESIVE TAPE CONTAINING GETTER MATERIAL

(51) International classification :C09J7/02,C08K3/22,C08K3/34 (71)Name of Applicant : (31) Priority Document No :10 2012 224 310.0 1)TESA SE (32) Priority Date :21/12/2012 Address of Applicant: Quickbornstrae 24, 20253 Hamburg (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2013/075639 (72) Name of Inventor: Filing Date :05/12/2013 1) KEITE- TELGENBSCHER, Klaus (87) International Publication No :WO 2014/095387 2) ELLINGER, Jan (61) Patent of Addition to 3) GRNAUER, Judith :NA **Application Number** 4) PETERSEN, Anika :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The aim of the invention is to effectively protect a flat adhesive compound from permeates originating from the surroundings as well as from permeates trapped during lamination , winding , stacking or other processing steps. For this purpose , the adhesive tape comprises at least the following layers in the indicated order: a first outer adhesive compound layer A , a layer B , which contains at least one inorganic getter material , and a second outer adhesive compound layer C. The invention also relates to the use of said adhesive tape as an encapsulation material.

No. of Pages: 45 No. of Claims: 15

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM FOR IMAGING AND MEASURING RAIL DEFLECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G01N21/95 :61/733287 :04/12/2012 :U.S.A. :PCT/US2013/031855 :15/03/2013 :WO 2014/088627 :NA :NA :NA	(71)Name of Applicant: 1)BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA Address of Applicant: 1320 Q Street, Lincoln, Nebraska 68588 U.S.A. 2)FARRITOR, Shane (72)Name of Inventor: 1)FARRITOR, Shane
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#### (57) Abstract:

Devices , systems ,and methods for imaging and measuring deflections in structures such as railroad rail are disclosed. One exemplary embodiment relates to a vision system having a high- speed , visible -light imaging camera and an evaluation unit configured for analyzing images from the camera to detect geometric variations in the structure. In a second example additional sensors are used to identify the wheel location(s) in the same reference frame as the measurement system. In analyzing structures such as railroad track rail , the imaging camera can be coupled to a moving rail vehicle and configured for generating images of the rail as the vehicle moves along the track.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4850/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: PATCH COMPRISING AN ONION EXTRACT

(51) International :A61K36/8962,A61K9/00,A61K47/32

classification

(31) Priority Document No :61/737315 (32) Priority Date :14/12/2012 (33) Name of priority

:U.S.A. country

(86) International :PCT/EP2013/076584

Application No :13/12/2013 Filing Date

(87) International

:WO 2014/091007 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)MERZ PHARMA GMBH & CO. KGAA

Address of Applicant: Eckenheimer Landstrae 100, 60318

Frankfurt am Main Germany (72) Name of Inventor: 1)RAFFAUF, Claudia 2)SCHULTZ,Imke

3)ZINK, Helga 4) SCHEPPLER, Petra

## (57) Abstract:

The present invention relates to a patch comprising a layer composition wherein the layer composition comprises at least a backing liner, a matrix layer comprising an onion extract (A), an acrylate based polymer (B) or a thermoplastic hot melt adhesive (B), and a release liner, wherein the matrix layer is disposed between the backing liner and the release liner such that the matrix layer is contacted by the backing liner and the release liner on opposite sides thereof, wherein the release liner is releasable from the matrix layer. Further the present invention relates to such a patch for use in treating and/or preventing scars.

No. of Pages: 51 No. of Claims: 18

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PRODUCTION METHOD FOR THICK STEEL PLATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:27/01/2011 : NA :NA :NA	(71)Name of Applicant:  1)NIPPON STEEL & SUMITOMO METAL CORPORATION  Address of Applicant: 6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN Japan (72)Name of Inventor:  1)KIYOTAKA NAKASHIMA 2)MANABU HOSHINO
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of production of steel plate characterized by heating a steel slab which has a predetermined chemical composition to 1000 to  $1200^{\circ}$ C, then rolling by first stage rolling at a plate thickness center temperature of 950 to  $1200^{\circ}$ C, a cumulative rolling reduction of 50 to 95%, and a number of passes of 4 to 16 passes, then rolling by second stage rolling at a plate thickness center temperature of 850 to  $950^{\circ}$ C, a number of passes of 2 to 8 passes, a rolling reduction at each pass of 10 to 25%, and a time between passes of 3 to 25 seconds, then cooling by accelerated cooling from a plate thickness center temperature of  $750^{\circ}$ C or more by a 1 to  $50^{\circ}$ C/s cooling rate down to  $650^{\circ}$ C or less so as to obtain to steel plate which has a plate thickness of 10 to 40 mm, a yield stress of 315 to 550 MPa, a microstructure of a mixed microstructure of ferrite and bainite or of ferrite, pearlite, and bainite, and an average grain size at the plate thickness center part of. 5 to 20  $\mu$ m.

No. of Pages: 33 No. of Claims: 2

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MULTI-BORED COMBUSTION CHAMBER HAVING COUNTER-ROTATING TANGENTIAL FLOWS $\bullet$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C07C :1050257 :15/01/2010 :France :PCT/FR2011/050046 :11/01/2011 :WO/2011/086320 :NA	(71)Name of Applicant: 1)TURBOMECA Address of Applicant:F-64510 Bordes France (72)Name of Inventor: 1)BERNARD JOSEPH JEAN-PIERRE CARRERE 2)JEAN-MARC DUBOURDIEU-RAYROT 3)LORENZO HUACAN HERNANDEZ 4)ROBERT SERROT-GRACIE
` '	:WO/2011/086320 :NA :NA :NA :NA	7

#### (57) Abstract:

The invention relates to a combustion chamber (100), in particular for a turbine engine, the combustion chamber presenting an inner annular wall (102), an outer annular wall (104), and a pierced annular chamber end wall (106) extending around said axis, the chamber end wall being provided with at least one opening (110) for receiving a fuel injector, said opening being substantially centered on a circular line (113) defining a first chamber end wall portion (106a) extending radially between the circular line and the inner annular wall, and a second chamber end wall portion (106b) extending radially between the circular line and the outer annular wall. The invention is characterized in that it includes first and second channels (114, 116) that are inclined relative to a normal vector normal to the chamber end wall while extending tangentially, the first channels being arranged in such a manner as to provide a flow of air in a first rotary direction (SG1), while the second channels are arranged in such a manner as to provide a flow of air in a second rotary direction (SG2) opposite to the first rotary direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4889/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND APPARATUS FOR REPORTING CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM

:H04L5/00,H04B7/06,H04L1/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :1301039.2

(32) Priority Date :21/01/2013 (33) Name of priority country :U.K.

(86) International Application No: PCT/GB2014/050137

:17/01/2014 Filing Date (87) International Publication No: WO 2014/111727

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SONY CORPORATION

Address of Applicant: 1-7-1 Konan, Minato-ku, Tokyo 108-

0075 Japan

(72) Name of Inventor:

1)WAKABAYASHI, Hideji

## (57) Abstract:

Sub band CQI reports are introduced for LTE systems having system bandwidth of narrow band (e.g. less than or equal to 6 resource blocks), which address issues pertinent to such narrowband systems. Three related methods are described: fixed, semi-static and adaptive sub- band size. To varying degrees they are each specified in accordance with the channel condition.

No. of Pages: 61 No. of Claims: 24

(21) Application No.5470/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR COMBINING LASER ARRAYS FOR DIGITAL OUTPUTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:16/12/2010 :WO 2011/075609 :NA :NA :NA	(71)Name of Applicant:  1)TRILUMINA CORPORATION Address of Applicant: Suite #B15 9475 Double R Blvd. Reno NV 89521 U.S.A. (72)Name of Inventor: 1)JOSEPH John R. 2)WIEDEMANN Rudolf A.
Filing Date	:NA	

### (57) Abstract:

Embodiments comprise a device that can efficiently produce a highly resolved intensity profile that can be e asily switched to various specific configurations with binary word strings defining output intensities that after summation will be combined to form a single colors intensity depth. Arraying these devices allows an image line of single color pixels to be efficiently produced without gross scintillation effects. The non coherent output is desirable in this application as it reduces scintillation effects on the screen or final image.

No. of Pages: 65 No. of Claims: 14

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SALT OF FUSED HETEROCYCLIC DERIVATIVE AND CRYSTAL THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :2010-027806 :10/02/2010 :Japan :PCT/JP2011/052719 :09/02/2011 :WO 2011/099507 :NA :NA :NA	(71)Name of Applicant:  1)KISSEI PHARMACEUTICAL CO. LTD Address of Applicant:19-48 Yoshino Matsumoto-shi Nagano 3998710 Japan Japan (72)Name of Inventor: 1)KAZUMICHI JO 2)HIDEKI TAKEUCHI
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### (57) Abstract:

An objective of the present invention is to improve the solubility of 3 -[2-fluoro-5-(2,3 -difluoro-6-methoxybenzyloxy)-4-methoxyphenyl] -2,4-dioxo-1,2,3,4- tetrahydrothieno [3,4-d]pyrimidine-5-carboxylic acid. The present invention provides 3-[2-fluoro-5-(2,3-difluoro-6-methoxybenzyloxy)- 4-methoxyphenyl]-2,4-dioxo®1,2,3,4®tetrahydrothieno [3,4-d]pyrimidine-5-carboxy lie acid choline salt has excellent solubility and storage stability. [Selected Figure] [Fig. 1]

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

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AN AMINO-(HYDROXYETHYL)PHENOL COMPOUND OF FORMULA (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</li> <li>Number Filing Date</li> </ul>	:C07C :P200501229 :20/05/2005 :Spain :PCT/EP06/004680 :17/05/2006 :WO/2006/122788 :NA :NA	(71)Name of Applicant:  1)ALMIRALL S.A. Address of Applicant:Ronda Del General Mitre 151 08022  Barcelona Spain Spain (72)Name of Inventor: 1)CARLOS DURAN PUIG 2)MARIA ISABEL CRESPO CRESPO 3)JULIO CESAR CASTRO PALOMINO LARIA 4)SILIVIA GUAL ROIG 5)ELOISA NAVARRO ROMERO
(62) Divisional to Application Number Filed on	:8817/DELNP/2007 :16/11/2007	S)ELOISA NA VARRO ROMERO

### (57) Abstract:

An amino-(hydroxyethyl)phenol compound of formula (I): wherein:  $\blacklozenge$  R1 is a group selected from-CH2OH, -NHC(O)H and  $\blacklozenge$  R2 is a hydrogen atom;  $\blacklozenge$  R3 is selected from hydrogen and halogen atoms or groups selected from -SO-RS, -SO2- $\blacklozenge$  R5, -NH-CO-NId2, -CO-NH2, Ct_4alkyl, C1_ 4allcoxy and -SO2NR5R6  $\blacklozenge$  R4 is selected from hydrogen atoms, halogen atoms and Ci_4alkyl groups w R5 is a Ci_4alkyl group or C3_8 cycloalkyl  $\blacklozenge$  R6 is independently selected from hydrogen atoms and Cl_4alkyl groups  $\blacklozenge$  n, p and q are independently 0, 1, 2, 3 or 4  $\blacklozenge$  m and s are independently 0, 1, 2 or 3  $\blacklozenge$  r is0,1or2 with the provisos that:  $\blacklozenge$  at least one of mand ris not 0  $\blacklozenge$  the sum n+m+p+q+r+s is 7, 8, 9, 10, 11, 12 or 13  $\blacklozenge$  the sum q+r+s is 2, 3, 4, 5 or 6 or a pharmaceutically-acceptable salt, solvate or stereoisomer thereof.

No. of Pages: 100 No. of Claims: 19

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A QUADRUPOLE MASS SPECTROMETER WITH ENHANCED SENSITIVITY AND MASS RESOLVING 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> </ul>	:12/716138 :02/03/2010 :U.S.A.	(71)Name of Applicant:  1)THERMO FINNIGAN LLC Address of Applicant: 355 River Oaks Parkway San Jose CA 95134 U.S.A. (72)Name of Inventor: 1)SCHOEN Alan E. 2)GROTHE JR. Robert A.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A novel method and mass spectrometer apparatus is introduced to spatially and temporally resolve images of one or more ion exit patterns of a multipole instrument. In particular the methods and structures of the present invention measures the ion current as a function of time and spatial displacement in the beam cross section of a quadrupole mass filter via an arrayed detector. The linearity of the detected quadrupole ion current in combination with it reproducible spatial temporal structure enables the deconvolution of the contributions of signals from individual ion species in complex mixtures where both sensitivity and mass resolving power are essential.

No. of Pages: 58 No. of Claims: 36

(22) Date of filing of Application :30/07/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: A SUSPENDED CEILING A CEILING TILE AND AN ASSOCIATED INSTALLATION METHOD

(51) International classification :E04B9/24,E04B9/28,E04B9/04 (71)Name of Applicant :

(31) Priority Document No :12156737.4 (32) Priority Date :23/02/2012

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2013/053518

Filing Date :22/02/2013

(87) International Publication No :WO 2013/124396

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

:NA Number :NA Filing Date

1)SAINT GOBAIN ECOPHON AB

Address of Applicant :Box 500 S 260 61 Hyllinge Sweden

(72)Name of Inventor: 1)WILKENS Jan

2)SKEPP...S Jonas

#### (57) Abstract:

In accordance with the present inventive concept there is provided a suspended ceiling comprising a ceiling tile (500) and a grid of profiles forming a frame which supports the ceiling tile (500). The ceiling tile (500) has a first and a second pair of non adjacent side edge portions wherein the grid of profiles engages from below with the first pair of side edge portions and wherein the grid of profiles engages from above with the second pair of side edge portions. The grid of profiles engages with said first and second pair of side edge portions such that a clamping action that counteracts lateral displacement of the ceiling tile (500) is provided. There is also provided a method for mounting the suspended ceiling. Furthermore the present inventive concept also relates to an improved ceiling tile (500) for a suspended ceiling.

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

(21) Application No.6994/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: MEMBRANE TRANSFER METHOD AND TOOL

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:1050233	1)EMD MILLIPORE CORPORATION
(32) Priority Date	:14/01/2010	Address of Applicant :290 Concord Road Billerica MA
(33) Name of priority country	:France	01821 France
(86) International Application No	:PCT/IB2011/050134	(72)Name of Inventor:
Filing Date	:12/01/2011	1)GA(L WAICHE
(87) International Publication No	:WO/2011/086508	2)MONIKA KUKUCZKA
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for transferring a filter membrane (130) bearing a retentate to a reagent pad (310), in which the membrane is mounted in a support frame (120) having a shoulder (121) and a skirt (122) projecting from the shoulder, the pad being mounted on a cassette (300) of complementary form to said skirt, the skirt being adapted to slide sealingly on the cassette until it comes into abutment formed by the shoulder, the method comprising the steps of sealingly engaging the skirt of the membrane support frame on the cassette, establishing a pressure difference between the cassette and the membrane support frame such that the membrane adopts the shape of a dome pointing towards the pad, while maintaining the pressure difference, applying a force on the frame so as to make the skirt slide on the cassette until contact is established between the end of the dome and the pad, maintaining a force on the frame so as to move it downward until it comes into abutment formed by the shoulder while maintaining the pressure difference.

No. of Pages: 22 No. of Claims: 13

(22) Date of filing of Application :09/08/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD FOR ALLYLATING AND VINYLATING ARYL HETEROARYL ALKYL AND ALKENE HALOGENIDES USING TRANSITION METAL CATALYSIS

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:10 2010 007 226.5	1)SALTIGO GMBH
(32) Priority Date	:09/02/2010	Address of Applicant :Katzbergstrae 1 40764 Langenfeld
(33) Name of priority country	:Germany	Germany Germany
(86) International Application No	:PCT/EP2011/051390	(72)Name of Inventor:
Filing Date	:01/02/2011	1)MATTHIAS GOTTA
(87) International Publication No	:WO/2011/098375	2)BERND WILHELM LEHNEMANN
(61) Patent of Addition to Application	:NA	3)WALDEMAR MAXIMILIAN CZAPLIK
Number		4)MATTHIAS MAYER
Filing Date	:NA	5)AXEL JACOBI VON WANGELIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

#### (57) Abstract:

The invention relates to a method for producing organic compounds of the general formula (I) R-R (I), by reacting a corresponding compound of the general formula (II) R-X (H), where X stands for fluorine, chlorine, bromine, or iodine, forming a magnesium organic compound of the general formula (III) [M+]n [RmMgXkY1] (III), compounds of the formula (III) being reacted with a compound of the general formula (IV), characterized in that the reaction of (III) with (IV) is performed in the presence of a) catalytic quantities of an iron compound, relative to the compound of the general formula (II), and optionally in the presence b) of an additive comprising nitrogen, oxygen, and/or phosphorous in a catalytic or stoichiometric quantity relative to the compound of the general formula (II).

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

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: BOTTLE ASSEMBLY HAVING BOTTOM VENT •

(51) International classification	:E05C	(71)Name of Applicant:
(31) Priority Document No	:12/703,881	1)SIMPLISSE INC.
(32) Priority Date	:11/02/2010	Address of Applicant :4433 Flyer Avenue St. Louis Missouri
(33) Name of priority country	:U.S.A.	63116 U.S.A.
(86) International Application No	:PCT/US2011/024332	(72)Name of Inventor:
Filing Date	:10/02/2011	1)BERNARD J. KEMPER
(87) International Publication No	:WO 2011/100416	2)CHARLES K. MILLER
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A bottle assembly including a bottle, a top closure member adapted for releasable engagement with a top portion of the bottle, and a bottom closure member adapted for releasable engagement with a base portion of the bottle. The bottom closure member has a base panel with at least one aperture therein. A diaphragm is positionable between the bottom closure member and the base portion. The diaphragm has at least one sealing element for sealingly engaging the base panel of the bottom closure member and an air passage extending through the at least one sealing element. The diaphragm is moveable between a sealed position and an unsealed position. The air passage is configured to inhibit liquid contained within a liquid chamber of the bottle from entering the air passage when the diaphragm is in its sealed position by trapping air within the air passage.

No. of Pages: 44 No. of Claims: 25

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

(43) Publication Date: 27/11/2015

### (54) Title of the invention : BACK CONTACTED SOLAR PANEL AND METHOD FOR MANUFACTURING SUCH A SOLAR PANEL

(51) International :H01L31/048,H01L31/05,H01L31/18

(31) Priority Document No :2009836 (32) Priority Date :19/11/2012

(33) Name of priority :Netherlands

country

(86) International :PCT/NL2013/050819

Application No
Filing Date

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F14/11/2013

(87) International

Publication No :WO 2014/077686

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

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

(71)Name of Applicant:

1)STICHTING ENERGIEONDERZOEK CENTRUM

**NEDERLAND** 

Address of Applicant :Westerduinweg 3, NL- 1755 LE Petten

Netherlands

(72)Name of Inventor:

1)BULTMAN ,Jan Hendrik 2)DE JONG, Paulus Cornelis 3)BENNETT ,Ian John

4)BROEK ,Kornelis Marinus

5)KLOOS, Marius 6)SP,,TH, Martin

#### (57) Abstract:

A solar panel includes a stack of at least one back contacted solar cell, a first encapsulant layer and a back-sheet contact layer. The solar cell is with back side electrical contacts. The back contact sheet layer is provided with a patterned conductor circuit. The conductor circuit has contacting areas located at locations corresponding to locations of the electrical contacts on the at least one solar cell. The encapsulant layer has a pattern of openings at locations corresponding to the locations of the electrical contacts on the at least one solar cell. The solar cell is arranged on top of the first encapsulant layer that is positioned on top of the back sheet contact layer with the rear surface of the at least one solar cell facing the patterned conductor circuit surface. Each electrical contact of the at least one solar cell is connected through a corresponding opening in the first encapsulant layer with a respective corresponding contact area of the conductor circuit by an interconnecting body, and the interconnecting body is under a compressive stress in a direction perpendicular to an interface of the solar cell and the first encapsulant layer.

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

(21) Application No.6388/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: SEPARATION PROCESS WITH MODIFIED ENHANCED HOT SEPARATOR SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C10G1/00,C10G3/00,C10G65/00 :13/475075 :18/05/2012	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road P. O. Box
(33) Name of priority country	:U.S.A.	5017 Des Plaines Illinois 60017 5017 U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2013/037676 :23/04/2013 :WO 2013/173028	<ul><li>(72)Name of Inventor:</li><li>1)EIZENGA Donald A.</li><li>2)VAN WEES Mark</li><li>3)STEACY Paul C.</li></ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A separation process with a modified enhanced hot separator system is described. The process eliminates undesirable entrainment while allowing for enhanced stripping of the net liquid only. The modified enhanced hot separator system combines a hot separator with a hot stripping column.

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

(21) Application No.6389/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention : PROCESS FOR MANAGING SULFUR ON CATALYST IN A LIGHT PARAFFIN DEHYDROGENATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:06/03/2013 :WO 2013/142044 :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor: 1)LEONARD Laura E. 2)GAJDA Gregory J. 3)KOZUP Steven C.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KOZUP Steven C.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A process is presented for the management of sulfur on a catalyst. The catalyst is a dehydrogenation catalyst and sulfur accumulates during the dehydrogenation process. Sulfur compounds are stripped from the spent catalyst and the catalyst is cooled before the regeneration process. The process includes controlling the amount of sulfur that needs to be removed from the catalyst before regeneration.

No. of Pages: 12 No. of Claims: 10

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: DEVICE FOR PROTECTING A GROOVE IN A TREAD

(51) International classification	:E05B	(71)Name of Applicant :
(31) Priority Document No	:1051257	1)1) COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:22/02/2010	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 Cours Sablon F-63000 Clermont-
(86) International Application No	:PCT/EP2011/052628	Ferrand France
Filing Date	:22/02/2011	2)2) MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)RICHARD AUDIGIER
Number	:NA	2)ST‰PHANE ORAISON
Filing Date	.IVA	3)FABIEN MARLIER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Tyre for a heavy goods vehicle, having a tread (1) having a tread surface (10) provided in the new state with at least one groove delimited by opposing side walls (20, 20), this groove (2) opening onto the tread surface (10) in a discontinuous manner by way of a plurality of portions (21) that are open towards the exterior of the tread, these open portions (21) having two ends (211, 212) that are extended under the tread surface by channels (22) having inlets (221, 222) connected to the ends (211, 212) of the open portions (21), these inlets (221, 222) to the channels having a mean surface area S. This tread is such that each open portion (21) on the tread surface is provided at each of its ends (211, 212) with a closure device (4) for partially closing the cross section of the inlets (221, 222) to the channels when the tyre is running and for leaving a passage unclosed. Figure 2

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ADVANCED FILTRATION DEVICE FOR WATER AND WASTEWATER TREATMENT •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :275/DEL/2010 :09/02/2010 :India :PCT/US2011/024189 :09/02/2011 :WO/2011/100320 :NA :NA :NA	(71)Name of Applicant:  1)AQUATECH INTERNATIONAL CORPORATION Address of Applicant: One-Four Coins Drive Canonsburg Pennsylvania 15317 U.S.A. (72)Name of Inventor: 1)RAVI CHIDAMBARAN 2)PAVAN RAINA 3)SUGATA DAS 4)NITIN CHANDAN
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#### (57) Abstract:

Embodiments of the present invention relate to a filtration module and/or a novel method of making a frameless filtration module for water or wastewater treatment that can produce filtrate that is free of particles, reduce precipitated hardness, colloids and organic compounds. The designed apparatus, which is either encapsulated or in cassette form, can be assembled and disbanded easily to suit diverse process requirements. The module configuration and assembly also helps in clean-in-place, repair or replacement activities to be performed in situ.

No. of Pages: 56 No. of Claims: 30

(21) Application No.6855/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: POLYHETEROCYCLIC COMPOUNDS HIGHLY POTENT AS HCV INHIBITORS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Printing Pate</li> </ul>	:A61K :201010101403.7 :27/01/2011 :China :PCT/CN2011/070702 :27/01/2011 :WO 2011/091757 :NA :NA	(71)Name of Applicant:  1)AB PHARMA LTD.  Address of Applicant:ROOM 302 BLDG 1 No. 4299  JINDU RD. MINHANG DISTRICT Shanghai 201108 China.  China  (72)Name of Inventor:  1)ZHAN Zheng-yun J.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention discloses novel polyheterocyclic based compounds having general formula Ia-Ib and IIa-IIb and preparation methods and uses thereof. These compounds are highly effective for inhibition of hepatitis C virus (HCV). The present invention is also related to treatment of HCV infection by the polyheterocyclic based HCV inhibitory compounds and compositions thereof and to therapeutic methods thereof.

No. of Pages: 126 No. of Claims: 24

(21) Application No.7003/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: COMPOUNDS AND METHODS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :61/294,575 :13/01/2010 :U.S.A. :PCT/US2011/021089 :13/01/2011 :WO/2011/088181 :NA :NA :NA	(71)Name of Applicant:  1)TEMPERO PHARMACEUTICALS INC. Address of Applicant: 200 Technology Square Cambridge  Massachusetts 02139 U.S.A. (72)Name of Inventor: 1)ERKAN BALOGLU 2)SHOMIR GHOSH 3)MERCEDES LOBERA 4)DARBY SCHMIDT
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#### (57) Abstract:

Disclosed are compounds having the formula: wherein X1, X2, X3, R1, R2, R3, R4, Y, A, Z, L and n are as defined herein, and methods of making and using the same.

No. of Pages: 266 No. of Claims: 73

(21) Application No.7004/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: SEAL ARRANGEMENTS FOR ULTRASONICALLY POWERED SURGICAL INSTRUMENTS •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61B :12/703,866 :11/02/2010 :U.S.A. :PCT/US2011/024190 :09/02/2011 :WO/2011/100321 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:  1)GALEN C. ROBERTSON 2)KEVIN L. HOUSER 3)MARK A. NEUROHR
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#### (57) Abstract:

In one general aspect, various embodiments are directed to ultrasonic surgical instruments that may be used in aqueous environments. The instruments may include cutting a member that is supported within a hollow sheath. Various seal arrangements are disclosed for establishing a substantially fluid-tight seal between the cutting member and the sheath.

No. of Pages: 112 No. of Claims: 20

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention : ULTRASONIC SURGICAL INSTRUMENTS WITH ROTATABLE BLADE AND HOLLOW SHEATH ARRANGEMENTS $\bullet$

(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:12/703,870	1)ETHICON ENDO-SURGERY INC.
(32) Priority Date	:11/02/2010	Address of Applicant :4545 Creek Road Cincinnati OH
(33) Name of priority country	:U.S.A.	45242 U.S.A.
(86) International Application No	:PCT/US2011/024192	(72)Name of Inventor:
Filing Date	:09/02/2011	1)GALEN C. ROBERTSON
(87) International Publication No	:WO/2011/100323	2)RICHARD W. TIMM
(61) Patent of Addition to Application	:NA	3)DANIEL J. MUMAW
Number	:NA	4)KEVIN L. HOUSER
Filing Date	.11/11	5)MATTHEW C. MILLER
(62) Divisional to Application Number	:NA	6)STACEY J. SELL
Filing Date	:NA	

#### (57) Abstract:

In one general aspect, various embodiments are directed to an ultrasonic surgical instrument that comprises a handpiece housing that rotatably supports an ultrasonic transducer assembly therein that may be selectively rotated by a motor housed therein. Various forms of blades are disclosed for attachment to the ultrasonic transducer assembly such that the blade may be selectively rotatable within a hollow outer sheath. The hollow outer sheath has at least one opening therein through which the blade tip may be exposed to tissue. Vacuum may be applied to the cutting implement or through the outer sheath to draw tissue through the opening(s) in the sheath and into contact with a portion of the blade.

No. of Pages: 112 No. of Claims: 26

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

### (54) Title of the invention : METHOD AND SERVICE PLATFORM FOR IMPLEMENTING ACCOUNT TRANSFER USING MOBILE TERMNAL

(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 No :NA :PCT/CN2010/072677 :12/05/2010 :WO 2011/140710 :NA :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China China (72)Name of Inventor:  1)CHEN Pengfei 2)YANG Mingwei 3)YI Jia
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#### (57) Abstract:

The disclosure discloses a method for implementing account transfer using a mobile terminal, which includes: an uplink processing module receives a transfer-out transaction request from a transferor and a transfer-in transaction request from a transfere or an agent; an encryption and decryption module performs format verification and decryption of the transfer-out transaction request and transfer-in transaction request, randomly generates a withdrawal password according to the transfer-out transaction request, and provides the withdrawal password to a transaction processing module and a transferee; the transaction processing module authenticates a user accessing to the mobile terminal wallet transaction, performs the transfer-out operation according to the transfer-out transaction request, and performs the transfer-in operation according to the transfer-in transaction request and the withdrawal password provided by the encryption and decryption module; and a downlink processing module returns a response message to the mobile terminal of the transferor, transferee or agent after the transaction processing is completed. The disclosure also discloses a service platform for a mobile terminal wallet transaction. By adopting the disclosure, the inconvenience caused by the fact that the current transfer way using the mobile terminal must be supported by the bank outlet is overcome. FIG. 2

No. of Pages: 25 No. of Claims: 12

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ABRASIVE PARTICLES HAVING COMPLEX SHAPES AND METHODS OF FORMING SAME

		(71)Name of Applicant:
(51) International classification	:B32B5/16	1)SAINT GOBAIN CERAMICS & PLASTICS INC.
(31) Priority Document No	:61/584998	Address of Applicant :One New Bond Street Worcester
(32) Priority Date	:10/01/2012	Massachusetts 01615 0138 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2013/021065	1)YENER Doruk O.
Filing Date	:10/01/2013	2)CZEREPINSKI Jennifer H.
(87) International Publication No	:WO 2013/106597	3)IYENGAR Sujatha
(61) Patent of Addition to Application	:NA	4)KAVANAUGH Michael D.
Number		5)BRANDES Alan J.
Filing Date	:NA	6)ARCONA Christopher
(62) Divisional to Application Number	:NA	7)BAUER Ralph
Filing Date	:NA	8)BOUSSANT ROUX Yves
		9)PANZARELLA Tracy H.

#### (57) Abstract:

An abrasive grain is disclosed and may include a body. The body may define a length (l) a height (h) and a width (w). In a particular aspect the length is greater than or equal to the height and the height is greater than or equal to the width. Further in a particular aspect the body may include a primary aspect ratio defined by the ratio of length:height of at least about 2:1. The body may also include an upright orientation probability of at least about 50%.

No. of Pages: 86 No. of Claims: 15

(21) Application No.6398/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: REFRACTORY OBJECT AND PROCESS OF FORMING A GLASS SHEET USING THE REFRACTORY OBJECT

(51) International :C03C3/062,C03C3/066,C03B17/06

classification

(31) Priority Document No :61/585618 (32) Priority Date :11/01/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/021086 No

:10/01/2013 Filing Date

(87) International Publication: WO 2013/106609

(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)SAINT GOBAIN CERAMICS & PLASTICS INC.

Address of Applicant :One New Bond Street Worcester MA

01615 0138 U.S.A. (72) Name of Inventor:

1)CITTI Olivier 2)FOURCADE Julien P. 3)KAZMIERCZAK Andrea

#### (57) Abstract:

A refractory object can include at least approximately 10 wt% A1O and at least approximately 1 wt% SiO. In an embodiment the refractory object can include an additive. In a particular embodiment the additive can include

TiO YO SrO BaO CaO TaO FeO ZnO or MgO. The refractory object can include at least approximately 3 wt% of the additive. In an additional embodiment the refractory object can include no greater than approximately 8 wt% of the additive. In a further embodiment the creep rate of the refractory object can be at least approximately 1 x 10 h. In another embodiment the creep rate of the refractory object can be no greater than approximately 5 x 10 h. In an illustrative embodiment the refractory object can include a glass overflow trough or a forming block.

No. of Pages: 40 No. of Claims: 20

(21) Application No.6399/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: CENTER OF GRAVITY POSITION DETECTION DEVICE CENTER OF GRAVITY POSITION DETECTION METHOD AND PROGRAM

(51) International :G01M1/12,B65G63/00,G01G19/14

classification :2012234945 (31) Priority Document No

(32) Priority Date :24/10/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/067734 No

:27/06/2013 Filing Date

(87) International Publication: WO 2014/064966

(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)MITSUBISHI HEAVY INDUSTRIES MACHINERY TECHNOLOGY CORPORATION

Address of Applicant: 6 22 Kan on Shin machi 4 chome Nishi ku Hiroshima shi Hiroshima 7338553 Japan

(72) Name of Inventor: 1)YANAI Noritaka 2)MONZEN Tadaaki 3)HAYASHI Daisaku

This center of gravity position detection device calculates the center of gravity position of a suspended load suspended by a rope and is provided with a measured value acquisition unit which for at least two different states acquires measured values from data indicating the state in which the suspended load is suspended and a center of gravity position calculation unit which calculates the center of gravity position of the suspended load on the basis of a state model of the suspended load which includes at least the center of gravity position of the suspended load as an unknown variable and the measured values acquired by the measured value acquisition unit.

No. of Pages: 84 No. of Claims: 8

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ABSORBENT ARTICLE COMPRISING FLUID HANDLING ZONES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61F13/15 :61/303657 :11/02/2010 :U.S.A. :PCT/US2011/024336 :10/02/2011 :WO 2011/100419 :NA :NA	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A. (72)Name of Inventor: 1)HAMMONS John Lee 2)VISSCHER Ronald Bosman 3)MURTHY Shreedhar Rajpanth 4)ROESGEN Jeffrey Tupper
- 14	:NA :NA :NA	4)ROESGEN Jenrey Tupper

#### (57) Abstract:

An absorbent article comprising a topsheet a backsheet and an absorbent core disposed between the topsheet and the backsheet. The absorbent article comprises a first fluid handling zone having a first Transverse Fluid Travel Distance and a second fluid handling zone having a second Transverse Fluid Travel Distance. The first Transverse Fluid Travel Distance is at least about 50% greater than said second Transverse Fluid Travel Distance which results in an absorbent article that is better able to handle bodily fluids and reduce the risk of accidental leakage of bodily fluids onto a consumer s undergarments.

No. of Pages: 45 No. of Claims: 10

(21) Application No.7011/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date: 27/11/2015

### (54) Title of the invention: HEAT TRANSFER COMPOSITIONS

:C09K3/30,C09K5/04,A23L1/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1002618.5 (32) Priority Date :16/02/2010

(33) Name of priority country :U.K.

(86) International Application No:PCT/GB2011/000198

Filing Date :14/02/2011

(87) International Publication No: WO 2011/101618

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

:NA Number :NA

Filing Date

#### 1)MEXICHEM AMANCO HOLDING S.A. DE C.V.

Address of Applicant :Rio san Javier No. 10 Fraccionamiento Viveros del Rio Tlalnepantla Estado de Mexico 54060 Mexico

(72) Name of Inventor:

1)LOW Robert E.

#### (57) Abstract:

The invention provides a heat transfer composition consisting essentially of from about 62 to about 78% by weight trans-1,3,3,3tettafiuoropropene (R-1234ze(E)) and from about 22 to about 38% by weight of 1,1-difluoroethane (R-152a). The invention also provides a heat transfer composition comprising from about 20 to about 40% by weight R-152a, from about 5 to about 55% R-134a, and from about 5 to about 75% by weight R-1234ze(E).

No. of Pages: 46 No. of Claims: 54

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ULTRASONIC PROBE APPARATUS AND CONTROL METHOD THEREOF

:A61B8/14,G01N29/24 (71)Name of Applicant : (51) International classification 1)SAMSUNG ELECTRONICS CO., LTD. (31) Priority Document No :1020120137219 (32) Priority Date :29/11/2012 Address of Applicant: 129, Samsung-ro, Yeongtong-gu, (33) Name of priority country :Republic of Korea Suwon -si Gyeonggi- do 443- 742 Republic of Korea (72) Name of Inventor: (86) International Application No :PCT/KR2013/010981 Filing Date :29/11/2013 1)SHIM, Hwan (87) International Publication No :WO 2014/084654 2)KOH, Hyun- woo (61) Patent of Addition to Application 3)KIM, Seoung -hun :NA Number 4)KIM, Young tae :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An ultrasonic probe apparatus includes an ultrasound transceiver adapted to receive ultrasonic echo signals reflected after transmitting unfocused or defocused ultrasonic signals having a first frame rate; a converter adapted to convert ultrasonic echo signals received by the ultrasound transceiver into digital signals; an image processor adapted to generate a plurality of image data by processing the digital signals; a combiner adapted to combine the plurality of image data having a first frame rate into a plurality of composite image data having a second frame rate; and a transmitter adapted to transmit the plurality of composite image data having the second frame rate.

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

(21) Application No.6431/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: LOW ALLOY STEEL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C22C38/00,C21D9/08,C21D9/50 :2012004204 :12/01/2012	(71)Name of Applicant: 1)NIPPON STEEL & SUMITOMO METAL CORPORATION
(33) Name of priority country	:Japan	Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2012/082608 :17/12/2012 :WO 2013/105396	Tokyo 1008071 Japan (72)Name of Inventor: 1)HIRATA Hiroyuki 2)OMURA Tomohiko 3)KOBAYASHI Kenji
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	4)KAWANO Kaori 5)TOMATSU Kota 6)OGAWA Kazuhiro
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A low alloy steel subjected to thermal treatment after welding the low alloy steel containing in mass% 0.01 to 0.15% C 3% or less Si 3% or less Mn 0.08% or less Al and one or more element selected from among Ti V and Nb in a range satisfying equation (1) the remainder being Fe and impurities wherein the impurities contain 0.01% or less N 0.05% or less P 0.03% or less S and 0.03% or less O. Said low alloy steel exhibits excellent resistance to embrittlement caused by hydrogen such as stress corrosion cracking in a wet hydrogen sulfide environment in a HAZ. Equation (1): 0.1—[C(%)]=[Ti(%)]+[V(%)]+0.5—[Nb(%)]=0.2. (Each element symbol in the equation represents the content (mass%) of each element.)

No. of Pages: 22 No. of Claims: 3

(21) Application No.7032/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: WATER WITH SWITCHABLE IONIC STRENGTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07C :61/303,170 :10/02/2010 :U.S.A. :PCT/CA2011/050075 :10/02/2011 :WO/2011/097727 :NA :NA	(71)Name of Applicant:  1)QUEENS UNIVERSITY AT KINGSTON Address of Applicant: Queens University Kingston Ontario K7L 3N6 Canada (72)Name of Inventor: 1)JESSOP Philip G. 2)MERCER Sean M. 3)BROWN R. Stephen 4)ROBERT Tobias
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and system for reversibly converting water between an initial ionic strength and an increased ionic strength, using a switchable additive, is described. The disclosed method and system can be used, for example, in distillation-free removal of water from solvents, solutes, or solutions. Following extraction of a solute from a medium by dissolving it in water, the solute can then be isolated from the aqueous solution or salted-out by converting the water to a solution having an increased ionic strength. The solute then separates from the increased ionic strength solution as a separate phase. Once the solute is, for example, decanted off, the increased ionic strength aqueous solution can be converted back to water having its original ionic strength and reused. Switching from lower to higher ionic strength is readily achieved using low energy methods such as bubbling with CO2, CS2 or COS. Switching from higher to lower ionic strength is readily achieved using low energy methods such as bubbling with air, heating, agitating, introducing a vacuum or partial vacuum, or any combination or thereof.

No. of Pages: 124 No. of Claims: 68

(21) Application No.7033/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: CABLE SEALING DEVICE

(51) T	DAAC	
(51) International classification	:B44C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dresser Wayne AB
(32) Priority Date	:NA	Address of Applicant :Box 30049 S-200 61 Malm (SE)
(33) Name of priority country	:NA	Sweden
(86) International Application No	:PCT/EP2010/051308	(72)Name of Inventor:
Filing Date	:03/02/2010	1)LARSSON Bengt I.
(87) International Publication No	:WO/2011/095210	2)JEPPSSON Nina
(61) Patent of Addition to Application	:NA	3)CARLSSON Richard
Number		4)LUNDGREN Christer
Filing Date	:NA	5)FOLKELL Jonas
(62) Divisional to Application Number	:NA	6)THEREN Petter
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a cable sealing device (1) for sealing a cable (2) passing through a first and second surface (3 4). The cable sealing device (1) comprises a first sealing element (5) extending in a first radial direction (R1) of the cable (2) and adapted to surround at least a portion of the cable (2) and to seal an opening (6) in the first surface (3) and a second sealing element (7) extending in a second radial direction (R2) of the cable (2) and adapted to surround at least a portion of the cable (2) and to seal an opening (8) in the second surface (4). The extension (E1) of the first sealing element (5) in the first radial direction (R1) is smaller than the extension (E2) of the second sealing element (7) in the second radial direction (R2).

No. of Pages: 16 No. of Claims: 12

(21) Application No.4759/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: HOSE BURST CONTAINMENT BLANKET

(51) International classification	:F16L57/00,F16L55/07	(71)Name of Applicant:
(31) Priority Document No	:61/740734	1)GATES CORPORATION
(32) Priority Date	:21/12/2012	Address of Applicant :1551 Wewatta Street, IP Law Dept, 10-
(33) Name of priority country	:U.S.A.	A3, Denver, Colorado 80202 U.S.A.
(86) International Application No	:PCT/US2013/072266	(72)Name of Inventor:
Filing Date	:27/11/2013	1)GRAY, Yelena
(87) International Publication No	:WO 2014/099318	2)SWIFT, Jonathan Clark
(61) Patent of Addition to Application	:NA	3)HILLS ,Andy
Number	:NA	4)HENDERSON ,Kim
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A protective blanket (10) which can be wrapped loosely around a hose (52), fastening the longitudinal edges (12a; 12b) together to form a protective cylindrical tube, and/or joined end- to- end with one or more additional blankets to extend the protective tube to a desired total length. The blanket thus provides improved safety to personnel and the environment by shielding a hose under pressure to block leaks and by containing or channeling test fluids and cleaning fluids.

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

(22) Date of filing of Application :09/08/2012

(43) Publication Date: 27/11/2015

## (54) Title of the invention : ALPHA-2 ADRENERGIC AGONIST HAVING LONG DURATION OF INTRAOCULAR PRESSURE-LOWERING EFFECT

(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 (63) International Publication Number Filing Date (64) Divisional to Application Number Filing Date (65) Divisional to Application Number Filing Date (66) Number Filing Date (67) Divisional to Application Number Filing Date (78) SA61K (79) SA	(71)Name of Applicant:  1)ALLERGAN INC.  Address of Applicant: 2525 Dupont Drive T2-7H Irvine CA 92612 U.S.A. (72)Name of Inventor:  1)JOHN E. DONELLO 2)DANIEL W. GIL 3)MOHAMMED I. DIBAS
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#### (57) Abstract:

The present invention provides a method of lowering intraocular pressure which comprises administering a therapeutically effective amount of a pharmaceutical composition comprising 4-bromo-5-(2-imidazolin-2-ylamino) benzimidazole, or a salt thereof to the affected eye of a patient, as a single dose, wherein the affected eye has an intraocular pressure less than the baseline intraocular pressure for at least eight (8) hours.

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

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: THERMAL INSULATION MATERIAL AND METHOD FOR MANUFACTURING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E05C :1050212 :13/01/2010 :France :PCT/FR2011/050066 :13/01/2011 :WO 2011/086333 :NA :NA :NA	(71)Name of Applicant:  1)KERNEOS  Address of Applicant: 8 Rue des Graviers F-92200 Neuillysur-seine France (72)Name of Inventor:  1)EVELYNE PRAT  2)LAURENT FROUIN  3)PASCAL TAQUET  4)JAMEL MAHIAOUI
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#### (57) Abstract:

The invention relates to a cellular structure thermal insulation material comprising by weight as compared to the material total weight:
- from 4 to 96% of a hydraulic binder that is characterized prior to being contacted with water, in that it comprises at least one phase selected from C3A, CA, C12A7, C11A7CaF2, C4A3\$ (Yee lemite), C2A(1-x)Fx (where x belongs to ]0, 1]), hydraulic amorphous phases having a C/A molar ratio ranging from 0.3 to 15 and such that cumulated amounts of AI203 of these phases be ranging from 3 to 70% by weight of the hydraulic binder total weight, - from 4 to 96% of at least one filler, said material having a pore volume ranging from 70% to 95%. The invention further relates to the use of a mineral foam for making said thermal insulation material as well as to methods for making said mineral foam.

No. of Pages: 58 No. of Claims: 17

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: IMIDAZO[1 2-B][1 2 4]TRIAZINES AS C-MET INHIBITORS

(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	:C07C :61/300,946 :03/02/2010 :U.S.A. :PCT/US2011/023464 :02/02/2011 :WO/2011/162835 :NA :NA :NA	(71)Name of Applicant:  1)INCYTE CORPORATION Address of Applicant: Experimental Station-Building E336 207 Route 141 & Henry Clay Road Wilmington DE 19880 U.S.A. (72)Name of Inventor: 1)JINCONG ZHUO 2)CHUNHONG HE 3)WENQING YAO
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#### (57) Abstract:

The present invention relates to imidazo[1,2-b][1,2,4]triazines that are inhibitors of c-Met and are useful in the treatment of c-Met associated diseases including cancer. (FR)La prsente invention concerne des imidazo[1,2-b][1,2,4]triazines qui sont des inhibiteurs de c-Met et qui sont utiles dans le traitement de maladies associes c-Met y compris le cancer.

No. of Pages: 40 No. of Claims: 14

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

(43) Publication Date: 27/11/2015

## (54) Title of the invention : AQUEOUS BASED CAPSAICINOID FORMULATIONS AND TREATMENT IN COMBINATION WITH A CORTICOSTEROID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:12/11/2013 :WO 2014/075084 :NA	(71)Name of Applicant:  1)API GENESIS LLC  Address of Applicant: 12500 Fair Lakes Circle, Suite 400, Fairfax, VA 22033 U.S.A. (72)Name of Inventor:  1)BIRBARA, Charles, A.  2)BIRBARA, Philip, J.  3)BUCKS, Daniel  4)COUGHLIN, Mary
Number Filing Date	:NA :NA	3)BUCKS ,Daniel 4)COUGHLIN ,Mary
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Capsaicinoid formulations and methods of treatment are disclosed herein which can be utilized to treat/attenuate pain in mammals. Typically, administration is via injection at a discrete site to provide pain relief for an extended period of time. The formulations are administered in a pharmaceutically acceptable vehicle. The formulations include an analgesic agent in an amount sufficient to attenuate the burning and hyperalgesic effects of capsaicinoid administration. The invention also includes a method of treating pain by administering a corticosteroid followed by administration of a capsaicinoid.

No. of Pages: 60 No. of Claims: 43

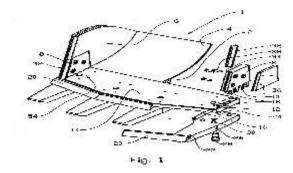
(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: A FIXING DEVICE FOR A BUCKET FRONT

(51) International classification	:E02F3/815	(71)Name of Applicant:
(31) Priority Document No	:20100240	1)KOMATSU KVX LLC
(32) Priority Date	:17/02/2010	Address of Applicant :Orstadvegen 134 N 4353 Klepp Stasjon
(33) Name of priority country	:Norway	Norway
(86) International Application No	:PCT/NO2011/000052	(72)Name of Inventor:
Filing Date	:14/02/2011	1)TORGRIMSEN Tor
(87) International Publication No	:WO 2011/102731	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fixing device (54) for a bucket front (14) wherein the bucket front (14) forms a wear part in an excavating bucket (1) comprising at least one side portion (6) and wherein the side portion (6) is formed with a coupling piece (8) comprising at least two projections (10) with recesses (12) wherein the projections (10) fit in a complementary manner into recesses (12) in the bucket front (14) or in a coupling part (40) fixed to the bucket front (14) and wherein the bucket front (14) is connected to the coupling piece (8) by means of a locking bolt (16) extending in the direction of the side portion (6) through openings (18) associated with the side portion (6) and the bucket front (14).



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

(21) Application No.4845/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: METHOD OF FREEZING MAKING USE OF A MINERAL NUCLEATOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A01N1/02 :1222241.0 :11/12/2012	(71)Name of Applicant: 1)UNIVERSITY OF LEEDS Address of Applicant: Clarendon Road, Leeds West Yorkshire
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:U.K. :PCT/GB2013/053239 :09/12/2013 :WO 2014/091216 :NA :NA :NA	LS2 9JT U.K.  2)ASYMPTOTE LTD  (72)Name of Inventor:  1)MURRAY, Benjamin John  2)WHALE, Thomas Francis  3)ATKINSON, James  4)MORRIS, George John

#### (57) Abstract:

The present invention relates to a method for freezing a water- containing quantity of a biological entity or a formulation in a vessel using a mineral nucleator to the use of the mineral as a nucleator and to a vessel with the mineral in or on the whole or part of a surface thereof.

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: MODIFIED CARBONIZED RED MUD

(51) International classification :C08K3/00,C09K21/02,C04B18/04

:WO 2014/114283

(31) Priority Document No :10 2013 001 520.0

(32) Priority Date :22/01/2013 (33) Name of priority country :Germany

(86) International Application :PCT/DE2014/000013

No :PC1/DE201 :16/01/2014

Filing Date

(87) International Publication

(61) Patent of Addition to

Application Number
Filing Date

:NA
:NA

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)FLUORCHEMIE GMBH FRANKFURT

Address of Applicant :Br1/4ningstrasse 50, 65296 Frankfurt

Germany

(72)Name of Inventor:

1)ROCKT,,SCHEL, Christian

#### (57) Abstract:

The present invention relates to an inorganic, halogen- free flameproofing agent produced from modified, carbonized red mud (MKRS-HT) having a mineral composition of 10 to 50 weight percent of iron compounds, 12 to 35 weight percent of aluminum compounds, 5 to 17 weight percent of silicon compounds, 2 to 10 weight percent of titanium dioxide, 0.5 to 6 weight percent of calcium compounds and optionally unavoidable impurities, the weight ratio of Fe (II) carbonate to the oxides of iron being at least 1. The flame proofing agent according to the invention can be used as a flame retardant in the high- temperature range. The invention further relates to an inorganic, halogen- free flameproofing agent produced from modified, carbonized and rehydrated red mud, which can be used as a flame retardant both in the low- temperature range as well as in the high- temperature range, and to methods for producing same and the use thereof as flame retardants. The invention further relates to a flameproofed material system and methods for producing same. The compound according to the invention is suitable for applications such as drilling mud weighting, radioactive and electromagnetic shielding and as planting soil additive.

No. of Pages: 72 No. of Claims: 36

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: DUAL PURPOSE SURGICAL INSTRUMENT FOR CUTTING AND COAGULATING TISSUE •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :12/703,879 :11/02/2010 :U.S.A. :PCT/US2011/024205 :09/02/2011 :WO 2011/100335 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO-SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor: 1)GALEN C. ROBERTSON 2)RICHARD W. TIMM 3)KEVIN L. HOUSER 4)SEAN P. CONLON 5)ARON O. ZINGMAN
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#### (57) Abstract:

In one general aspect, various embodiments are directed to an ultrasonic surgical instrument that has an ultrasonic blade that protrudes from an ultrasonic transducer assembly. In some embodiments, the ultrasonic blade coaxially extends through a rotatable tissue cutting blade that is rotatably supported by a housing that supports the ultrasonic transducer assembly. In other embodiments, the ultrasonic blade and the tissue cutting blade are both selectively rotatable relative to the housing. In yet other embodiments, the tissue cutting blade and the ultrasonic blade are supported relative to each other in separate sheaths attached to the housing.

No. of Pages: 42 No. of Claims: 20

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: VOLTAGE-GATED SODIUM CHANNEL BLOCKERS •

(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	<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>	:13/01/2011 :WO/2011/088201 :NA :NA :NA	4)GUOLIANG LIN
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#### (57) Abstract:

The present invention relates to voltage-gated sodium channel blocker intermediates, compounds and dimers, corresponding pharmaceutical compositions, compound preparation and treatment methods for respiratory or respiratory tract diseases.

No. of Pages: 474 No. of Claims: 44

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.5456/DELNP/2012 A

### (43) Publication Date : 27/11/2015

#### (54) Title of the invention: A PHARMACEUTICAL COMPOSITION

(51) International classification:A61K 31/522(31) Priority Document No:102 38 243.3(32) Priority Date:21/08/2002(33) Name of priority country:Germany

(86) International Application No :PCTEP2003/00912
Filing Date :18/08/2003

(87) International Publication No(61) Patent of Addition to Application

Number
Filing Date

(62) Divisional to Application Number Filed on

:21/08/2002 :Germany :PCTEP2003/009127 :18/08/2003 :WO 2004/018468

:NA :NA

:6108/delnp/2012 :06/08/2007 (71)Name of Applicant:

1)BOEHRINGER INGELHEIM PHARMA GMBH & CO.

KG.

Address of Applicant: D-55216 INGELHEIM AM RHEIN,

GERMANY Germany (72)Name of Inventor:

1)FRANK HIMMELSBACH 2)ELKE LANGKOPF

3)MATTHIAS ECKHARDT

4)MICHAEL MARK 5)ROLAND MAIER 6)RALF R.H. LOTZ

7)MOHAMMAD TADAYYON

#### (57) Abstract:

A pharmaceutical composition comprising: (a) a first compound of the formula (I): wherein R1 denotes: a 4-methoxy-l-naphthylmethyl group, a 2-quinolinylmethyl, 4-quinolinylmethyl or a 6-quinolinylmethyl group, a 1-isoquinolinylmethyl, 3-methyl-l-isoquinolinylmethyl, 4-methyl-l-isoquinolinylmethyl or a 3- isoquinolinylmethyl group, or a 2-quinazolinylmethyl, 4-methyl-2-quinazolinylmethyl or a 4-quinazolinylmethyl group; R2 denotes a methyl group; and R3 denotes a 2-buten-l-yl or a 2-butyn-l-yl group; or a tautomer, enantiomer, diastereomer, mixture thereof, or a salt thereof; and (b) an other therapeutic agent selected from antidiabetics, lipid lowering agents, active substances for the treatment of obesity, and drugs for treating high blood pressure; optionally together with one or more inert carriers and/or diluents.

No. of Pages: 67 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: COMPOUNDS OF GENERAL FORMULA (I)

(51) International classification:A61K 31/522(31) Priority Document No:102 38 243.3(32) Priority Date:21/08/2002(33) Name of priority country:Germany

(86) International Application No :PCT/EP2003/009127
Filing Date :18/08/2003

(87) International Publication No :WO 2004/018468

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

Filing Date

(2) Divisional to Application Number (61)

(62) Divisional to Application Number :6108/delnp/2012 Filed on :06/08/2007 (71)Name of Applicant:

(21) Application No.5457/DELNP/2012 A

1)BOEHRINGER INGELHEIM PHARMA GMBH & CO.

KG.

Address of Applicant: D-55216 INGELHEIM AM RHEIN,

GERMANY Germany (72)Name of Inventor:

1)FRANK HIMMELSBACH

2)ELKE LANGKOPF

3)MATTHIAS ECKHARDT

4)MICHAEL MARK

5)ROLAND MAIER 6)RALF R.H. LOTZ

7)MOHAMMAD TADAYYON

#### (57) Abstract:

S-(3-aminopiperidin-l-yl)-xanthine compounds of general formula I wherein R1 denotes a 4-methoxy-l -naphthylmethyl group, a 2-quinolinylmethyl, 4-quinolinylmethyl or a 6-quinolinylmethyl group, a 1 -isoquinolinylmethyl, 3-methyl-1 -isoquinolinylmethyl, 4-methyl-l- isoquinolinylmethyl of a 3-isoquinolinylmethyl group or a 2-quinazolinylmethyl, 4-methyl-2-quinazolinylmethyl or a 4-quinazolinyl- methyl group, R2 denotes a methyl group and R3 denotes a 2-buten-l-yl or a 2-butyn-l-yl group, the tautomers, enantiomers, diastereomers, the mixtures thereof and the salts thereof.

No. of Pages: 91 No. of Claims: 44

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: MATERIALS AND EQUIPMENT FOR USE IN ANTIBACTERIAL PHOTODYNAMIC THERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:26/01/2011 :WO 2011/091787 :NA :NA	(71)Name of Applicant:  1)PATEROK Peter  Address of Applicant:Bergstrasse 138 41061  Mnchengladbach Germany (72)Name of Inventor:  1)PATEROK Peter
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Device for carrying out antibacterial photodynamic therapy characterized in that the device comprises lighting means and means for releasing the photosensitizer the means for releasing the photosensitizer being designed such that the photosensitizer is released in close proximity to the body region to be treated.

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

(21) Application No.4895/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

#### (54) Title of the invention: ADHESIVE COMPOSITION FOR PROTECTIVE FILM OF COATED SURFACE AND METHOD FOR PREPARING SAME

(51) International

:C09J153/02,C09J7/02,C09J193/00

classification (31) Priority Document No

:2012268215

(32) Priority Date

:07/12/2012

(33) Name of priority country

:Japan

:NA

:NA

(86) International Application

No

:PCT/JP2013/080506

Filing Date

:12/11/2013

(87) International Publication :WO 2014/087814

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

Filing Date

(62) Divisional to Application

Number Filing Date

(57) Abstract:

(71)Name of Applicant:

1)KRATON POLYMERS U.S. LLC

Address of Applicant: 16400 Park Row, Houston, Texas

77084 U.S.A.

(72) Name of Inventor: 1)MASUKO Norio

2)KATO Hiroshi

[Problem] To provide: an adhesive composition that is for a protective film and that suppresses glue residue and surface contamination of a coated surface; and a method for preparing the adhesive composition. [Solution] The adhesive composition for a protective film of a coated surface contains 1-20 parts by weight of a predetermined polar adhesive resin compound for every 100 parts by weight of a predetermined block copolymer, and the solubility parameter of the polar adhesive resin compound calculated by means of Small s method using the constants of Hoy is 8.2-9.2 inclusive.

No. of Pages: 47 No. of Claims: 35

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention : CONTROL APPARATUS, COMMUNICATION SYSTEM ,COMMUNICATION NODE CONTROL METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:27/12/2013 :WO 2014/104277	(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)AIDA Takafumi 2)UENO Hiroshi
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The objective of the invention is to reduce the power required to set virtual local area network (VLAN) information to be transmitted to the port of a communication node in a centralized control type of communication system. A control apparatus comprises: a connection detecting unit that detects the connection of a terminal or virtual machine to a communication node to be controlled; a first VLAN information determining unit that determines , on the basis of a virtual network to which the detected terminal or virtual machine belongs, VLAN information to be set to the port of the communication node to which the terminal or virtual machine is connected; and a VLAN setting unit that sets the determined VLAN information to the port.

No. of Pages: 39 No. of Claims: 10

(21) Application No.6990/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: THERAPEUTIC METHODS USING ANTI-CD200 ANTIBODIES

Filing Date :NA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:11/02/2011 :WO/2011/100538 :NA :NA :NA	(71)Name of Applicant:  1)ALEXION PHARMACEUTICALS INC.  Address of Applicant: 352 Knotter Drive Cheshire CT 06410 U.S.A. (72)Name of Inventor:  1)RUSSELL P. ROTHER  2)YAN YAN
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### (57) Abstract:

The present disclosure relates to anti-CD200 antibodies and to use of the antibodies in methods for treating autoimmune disorders and cancer. Also featured are biomarkers for use in selecting or prescribing a treatment modality for a patient with an autoimmune disorder and/or cancer. In addition, the disclosure features methods of treatment using an anti-CD200 antibody in combination with one or more additional therapeutic agents such as an anti-CD20 therapeutic agent.

No. of Pages: 115 No. of Claims: 77

(21) Application No.6993/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CATALYSTS SUPPORTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C :1000993.4 :22/01/2010 :U.K. :PCT/GB2011/050045 :13/01/2011 :WO/2011/089411 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON MATTHEY PLC  Address of Applicant:5th Floor 25 Farringdon Street London EC4A 4AB United Kingdom U.K. (72)Name of Inventor:  1)ALEJANDRO MARTIN ANTONINI 2)RICHARD JOHN MERCER 3)ADEL FAY NEALE
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### (57) Abstract:

A method for preparing a silica-modified catalyst support is described comprising: (i) applying an alkyl silicate to the surface of a porous support material in an amount to produce a silica content of the silica-modified catalyst support, expressed as Si, in the range 0.25 to 15 % by weight, (ii) optionally drying the resulting silicate-modified support, (iii) treating the support with water, (iv) drying the resulting water-treated support, and (v) calcining the dried material to form the silica-modified catalyst support.

No. of Pages: 15 No. of Claims: 24

(22) Date of filing of Application :09/08/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : ULTRASONICALLY POWERED SURGICAL INSTRUMENTS WITH ROTATING CUTTING IMPLEMENT

(51) International classification	:A61B	(71)Name of Applicant: 1)ETHICON ENDO-SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:
(31) Priority Document No	:12/703,860	1)GALEN C. ROBERTSON
<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:11/02/2010 :U.S.A. :PCT/US2011/024183 :09/02/2011 :WO/2011/100316 :NA :NA :NA	2)RICHARD W. TIMM 3)DANIEL J. MUMAW 4)FOSTER B. STULEN 5)GREGORY W. JOHNSON 6)JEROME R. MORGAN 7)KEVIN L. HOUSER 8)MARK A. NEUROHR 9)PRASANNA MALAVIYA 10)REGINALD D. FORTSON 11)SEAN P. CONLON 12)WILLIAM D. DANNAHER 13)EITAN T. WEINER 14)KRISTI M. BODIN 15)WILLIAM S. JOACHIM

## (57) Abstract:

In one general aspect, various embodiments are directed to an ultrasonic surgical instrument that comprises a handpiece housing that rotatably supports an ultrasonic transducer assembly therein that may be selectively rotated by various motor configurations. Various slip ring arrangements are disclosed for supplying ultrasonic electrical signals and motor drive signals from a control system. Various forms of blade and cutting implements are disclosed for attachment to the ultrasonic transducer assembly such that such implements may be selectively rotatable within a hollow outer sheath. Vacuum may be applied to the cutting implement or through the outer sheath to draw tissue through an opening in the sheath and into contact with the cutting implement.

No. of Pages: 112 No. of Claims: 18

(22) Date of filing of Application :03/06/2015 (43) Publication Date: 27/11/2015

## (54) Title of the invention: DERMAL COMPOSITIONS CONTAINING UNNATURAL HYGROSCOPIC AMINO ACIDS

(51) International classification :A61K8/44,A61Q19/00,A61K9/00 (71)Name of Applicant : (31) Priority Document No :1220354.3

(32) Priority Date :12/11/2012 (33) Name of priority country :U.K.

(86) International Application :PCT/GB2013/052973 :12/11/2013

Filing Date (87) International Publication :WO 2014/072747

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

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

1)MEDPHARM LIMITED

Address of Applicant: Unit 3, Chancellor Court, 50 Occam Road, Surrey Research Park, Guildford GU2 7YN U.K.

2)UNIVERSITY OF READING

(72)Name of Inventor: 1)AREZKI, Natasha

2)COBB, Andre 3) WILLIAMS, Adrian Christopher

4)BROWN, Marc Barry

# (57) Abstract:

Unnatural, hygroscopic amino acids are useful to enhance the moisture retention and uptake properties of skin. In particular, such amino acids are N-hydroxyserine, N- hydroxyglycine, L-homoserine, alpha-hydroxyglycine, 2-(aminooxy) -2-hydroxyacetic acid, 2hydroxy-2-(hydroxyamino) acetic acid, 2- (aininooxy)acetic acid, and combinations thereof.

No. of Pages: 72 No. of Claims: 30

(21) Application No.6422/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention : NOVEL POLYMORPHIC CRYSTAL FORMS OF 5 (2  $\{[6 (2 \ 2 \ DIFLUORO \ 2 \ PHENYLETHOXY)HEXYL]AMINO\}$  1 (R) HYDROXYETHYL) 8 HYDROXYQUINOLIN 2(1H) ONE HEMINAPADISYLATE AS AGONIST OF THE 2 ADRENERGIC RECEPTOR.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61P11/00 :12382101.9 :20/03/2012 :EPO :PCT/EP2013/055488 :15/03/2013 :WO 2013/139712 :NA :NA	(71)Name of Applicant:  1)ALMIRALL S.A. Address of Applicant:Ronda del General Mitre 151 E 08022 Barcelona Spain (72)Name of Inventor: 1)AMAT Mestres Gemma 2)BALAGUER ARDANUY Elvira 3)CARRERA CARRERA Francesc 4)MARCUETA HEREU Iolanda 5)MOYES VALLS Enrique
(62) Divisional to Application Number Filing Date	:NA :NA	S/MOTES VALLS Emique

# (57) Abstract:

The present invention is directed to novel polymorphic crystal forms of a 5 (2 {[6 (2 2 difluoro 2 phenylethoxy)hexyl]amino} 1 (R) hydroxyethyl) 8 hydroxyquinolin 2(1) one heminapadisylate. The invention is also directed to pharmaceutical compositions comprising said polymorphic crystal forms methods of using them to treat respiratory diseases associated with 2 adrenergic receptor activity and a process for preparing such polymorphic crystal forms.

No. of Pages: 52 No. of Claims: 28

(21) Application No.6423/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POLYMERIZATION OF COMPOSITIONS COMPRISING A FARNESENE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/12/2012 :WO 2013/126129 :NA :NA	(71)Name of Applicant: 1)AMYRIS INC. Address of Applicant:5885 Hollis Street Suite 100 Emeryville CA 94608 U.S.A. (72)Name of Inventor: 1)DOOLAN Joseph G. 2)ADAM Safir
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided herein are polyfarnesenes such as farnesene homopolymers derived from a farnesene and farnesene interpolymers derived from a farnesene and at least a vinyl monomer; and the processes of making and using the polyfarnesenes. The farnesene homopolymer can be prepared by polymerizing the farnesene in the presence of a catalyst. In some embodiments the farnesene is prepared from a sugar by using a microorganism.

No. of Pages: 100 No. of Claims: 39

(21) Application No.6424/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# $(54) \ Title \ of \ the \ invention: PROCESS \ FOR \ PREPARING \ N \ (4 \ CYCLOHEXYL \ 3 \ TRIFLUOROMETHYL \ BENZYLOXY) \\ ACETIMIDIC \ ACID \ ETHYL \ ESTER$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C07C47/55 :61/594591 :03/02/2012 :U.S.A. :PCT/EP2013/052106 :01/02/2013 :WO 2013/113915 :NA :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor:  1)GALLOU Fabrice 2)SEDELMEIER Joerg Matthias 3)VOGEL Caspar
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### (57) Abstract:

This invention relates to novel processes for synthesizing N (4 cyclohexyl 3 trifluoromethyl benzyloxy) acetimidic acid ethyl ester and to the compound of formula I and other intermediates that are used in such processes.

No. of Pages: 52 No. of Claims: 41

(21) Application No.6426/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF SUBSTITUTED PHENYLPROPANONES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C07C45/51 :NA :NA :NA :NA :PCT/EP2012/053371 :28/02/2012 :WO 2013/127441 :NA :NA :NA	(71)Name of Applicant:  1)SYNGENTA PARTICIPATIONS AG Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel Switzerland (72)Name of Inventor: 1)STIERLI Daniel 2)WALTER Harald
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### (57) Abstract:

123418The invention relates to a process for the preparation of a compound of formula (I) wherein the substituents are defined as in claim 1 which process comprises adding a compound of formula (II) wherein R R and R have the meanings as described under formula (I) in the presence of an inert organic solvent to a mixture comprising an organic nitrite of formula (III) R4 O N=O wherein R is C Calkyl a compound of formula (IV) and an inert organic solvent.

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

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

:NA

## (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING MOTOR VEHICLE CHASSIS PARTS

(71)Name of Applicant: (51) International classification :B23B 1)TRIMET ALUMINIUM AG (31) Priority Document No :10 2010 007 812.3 Address of Applicant: Aluminium allee 1 45356 Essen (32) Priority Date :11/02/2010 Germany Germany (33) Name of priority country :Germany 2)MECO ECKEL GMBH (86) International Application No :PCT/EP2011/000291 3)KSM CASTINGS GMBH Filing Date :25/01/2011 (72)Name of Inventor: (87) International Publication No :WO 2011/098213 1)KOCH Hubert (61) Patent of Addition to Application :NA 2)KLEINE Andreas Number :NA 3)STARK Erhard Filing Date 4)LOGANATHAN Manikandan (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

The invention relates to a method and device for producing motor vehicle chassis parts which can be subjected to tensile stress compressive stress and torsion and the mechanical strength of which can be adjusted over the respective cross-section and which furthermore have high ductility and temperature stability and are made of an AlSiZnMg alloy by means of permanent mould casting.

5)GREVEN Klaus

6)GOLZ Roland

No. of Pages: 38 No. of Claims: 12

(21) Application No.7031/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LYOPHILIZED CAKE FORMULATIONS

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:61/295,646	1)LITHERA INC.
•	,	
(32) Priority Date	:15/01/2010	Address of Applicant :9191 Towne Centre Drive Suite 400
(33) Name of priority country	:U.S.A.	San Diego CA 92122 U.S.A.
(86) International Application No	:PCT/US2011/021424	(72)Name of Inventor:
Filing Date	:14/01/2011	1)DOBAK John Daniel
(87) International Publication No	:WO/2011/088413	2)KEMMERER Chris
(61) Patent of Addition to Application	.NI A	3)LOCKE Kenneth Walter
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
* * *		
Filing Date	:NA	

## (57) Abstract:

Provided herein are lyophilized cake forms of fluticasone salmeterol or a pharmaceutically acceptable salt or a combination thereof which provides room temperature stability for an extended period of time. Upon reconstitution with an acceptable solvent (e.g. a carrier or diluent) the reconstituted pharmaceutical or cosmetic formulation provides a sterile non-suspension form suitable for parenteral injectable administration including subcutaneous injection.

No. of Pages: 69 No. of Claims: 55

(22) Date of filing of Application :07/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FOLATE RECEPTOR 1 ANTIBODIES AND IMMUNOCONJUGATES AND USES THEREOF

:A61K39/395,C07K16/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)IMMUNOGEN INC. :61/307797 (32) Priority Date :24/02/2010 Address of Applicant: 830 Winter Street Waltham (33) Name of priority country :U.S.A. Massachusetts 02451 U.S.A. (86) International Application No (72)Name of Inventor: :PCT/US2011/026079 Filing Date :24/02/2011 1)AB Olga (87) International Publication No :WO 2011/106528 2)TAVARES Daniel (61) Patent of Addition to Application 3)RUI Lingyun :NA 4)PAYNE Gillian :NA Filing Date 5)GOLDMAKHER Viktor S. (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

Novel anti cancer agents including but not limited to antibodies and immunoconjugates that bind to human folate receptor 1 are provided. Methods of using the agents antibodies or immunoconjugates such as methods of inhibiting tumor growth are further provided.

No. of Pages: 190 No. of Claims: 127

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CORRUGATED FIN AND HEAT EXCHANGER WITH SAME

(62) Divisional to Application Number :NA Filing Date :NA	. ,		(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2-3-6 Akasaka Minato-ku Tokyo 107-8414 Japan 2)The University of Tokyo (72)Name of Inventor: 1)MITSUO YABE 2)NAOKI SHIKAZONO
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### (57) Abstract:

Corrugated fin (5) comprises flat plate sections (5a) each having a pair of lateral sides (11, 11) facing each other and a pair of end sides (12, 12) facing each other, and joining sections (5b) connecting with lateral sides (ii, 11) of flat plate sections (5a). Flat plate sections (5a) and joining sections (5b) are alternately formed into a corrugated shape by bending. Joining section (5b) has even surface (20) joined to tube (4) through which a heat exchange medium flows, while flat plate section (5a) includes recess (16) or protrusions (17, 18) in arbitrary sections taken along two directions comprising a direction in which lateral sides (11, 11) are arranged and a direction in which end sides (12, 12) are arranged, respectively.

No. of Pages: 44 No. of Claims: 5

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HOT -ROLLED STEEL SHEET AND PRODUCTION METHOD THEREFOR

(51) International classification: C22C38/00,B21B3/00,C21D9/46 (71) Name of Applicant: 1)NIPPON STEEL & SUMITOMO METAL (31) Priority Document No :NA (32) Priority Date :NA CORPORATION (33) Name of priority country Address of Applicant: 6-1, Marunouchi 2-chome, Chiyoda-:NA (86) International Application ku, Tokyo 100-8071 Japan :PCT/JP2012/082059 (72) Name of Inventor: No :11/12/2012 Filing Date 1)MAEDA Daisuke (87) International Publication 2)KAWANO Osamu :WO 2014/091554 3)HAJI Junii (61) Patent of Addition to 4)TASAKI Fuminori :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

Provided is a hot- rolled steel sheet that: comprises a chemical compound containing, in mass% , 0.030- 0.10% of C , 0.5- 2.5% of Mn , 0.100- 2.5% of Si + Al; comprises by area ratio, 80% or more of ferrite, 3 -15.0% of martensite , and less than 3.0% of pyrite; has a number density of 5.0 grains/10000  $\mu$ m or less of martensite having an equivalent, circular diameter of 3  $\mu$ m or higher at a position that is at a depth of 1/4 of the sheet thickness of the steel sheet from the steel sheet surface; and comprises a microstructure that satisfies formula (1). Formula (1): R/D M2 $\geq$  LOO(in formula (1) , R represents an average martensite interval ( $\mu$ m) that is defined by formula (2), and DM represents the average martensite diameter ( $\mu$ m)). Formula (2): R = {12.5 — (p/6V M )05- (2/3)05} — D M (in formula (2) , V represents the area ratio (%) of martensite and D represents the average martensite diameter ( $\mu$ m)).

No. of Pages: 42 No. of Claims: 6

(21) Application No.4901/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MODULAR FEED ASSEMBLY

(51) International classification	:H01P1/04,H01Q1/00	(71)Name of Applicant :
(31) Priority Document No	:61/905933	1)COMMSCOPE TECHNOLOGIES LLC
(32) Priority Date	:19/11/2013	Address of Applicant :1100 CommScope Place, SE, Hickory,
(33) Name of priority country	:U.S.A.	NC 28602 U.S.A.
(86) International Application No	:PCT/US2014/052215	(72)Name of Inventor:
Filing Date	:22/08/2014	1)WRIGHT, Alastair, D.
(87) International Publication No	:WO 2015/076885	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one embodiment a modular feed assembly for an antenna has (i) a hub adapter for mounting the feed assembly onto the antenna hub and (ii) a distinct waveguide transition configured to be selectively mated to the hub adapter. By providing a modular design , the hub adapter can be selectively used with different waveguide transitions having different frequency characteristics to form feed assemblies for different antennas having different operating frequency ranges. The hub adapter and each waveguide transition have timing features that limit the rotation orientation between the two components to , for example , horizontal and vertical polarizations that are 90 degrees apart. The hub adapter has a resilient compression element that forms an annular seal between the hub adapter and a mated waveguide transition to inhibit RF leakage and keep the two components in place. The hub adapter has openings that allow the compression element to be formed in place.

No. of Pages: 33 No. of Claims: 19

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SOLDERED CONNECTOR AND CABLE INTERCONNECTION METHOD AND APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H01B11/18,H01B7/40 :13/749037 :24/01/2013 :U.S.A. :PCT/US2013/069414 :11/11/2013 :WO 2014/116337	(71)Name of Applicant:  1)COMMSCOPE TECHNOLOGIES LLC Address of Applicant:1100 CommScope Place SE, Hickory, NC 28602 U.S.A. (72)Name of Inventor: 1)PAYNTER, Jeffrey 2)FLEMING, James
(61) Patent of Addition to Application Number	:NA :NA	2) FLEWING, James
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA	

## (57) Abstract:

In a method for attaching a connector to a coaxial cable a solder preform is placed upon an end of an outer conductor of the cable. A connector body of the connector is seated upon an interface pedestal and the end of the outer conductor is inserted into a bore of the connector body against the interface pedestal. The outer conductor, the connector body and the interface pedestal contribute sidewalls to form a solder cavity, and the solder preform is heated. A seat may be applied to the interface pedestal to provide a thermal barrier and/or enhanced seal characteristics that are cost efficiently replaceable upon degradation.

No. of Pages: 23 No. of Claims: 20

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND DEVICE SUITABLE FOR GROWING ALGAE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12M1/04,C12R1/89 :61/723799 :08/11/2012 :U.S.A. :PCT/IB2013/060004 :08/11/2013 :WO 2014/072946 :NA :NA	(71)Name of Applicant:  1)ANKER, Yaakov Address of Applicant:Number 146, 45885 Salit Israel 2)KATZ, Erez 3)MUALEM, David (72)Name of Inventor: 1)ANKER, Yaakov 2)KATZ, Erez 3)MUALEM, David
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⁽⁵⁷⁾ Abstract:

Disclosed are methods and devices suitable for growing algae.

No. of Pages: 40 No. of Claims: 39

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CEMENT PRODUCTION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:10 2012 110 653.3 :07/11/2012 :Germany	(71)Name of Applicant:  1)THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH  Address of Applicant: Graf-Galen-Str. 17,59269 Beckum Germany (72)Name of Inventor:  1)LEUER, Alfons
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)BREDEMEIER ,Heinz 3)STREFFING ,Michael 4)ADLER ,Klaus
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a cement production system with a preheater for preheating the cement raw meal a calciner for pre- calcining the preheated cement raw meal, and a rotary kiln for firing the pre- calcined cement raw meal, wherein the calciner has a riser pipe through which exhaust gases from the rotary kiln flow. The gas offtake probe is arranged in a calciner nozzle, which is formed by a nozzle- like constricted section of the riser pipe, wherein the gas offtake probe is arranged flush on the calciner nozzle of the riser pipe.

No. of Pages: 24 No. of Claims: 11

(22) Date of filing of Application :07/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A METHOD OF VENTILATING AN ALUMINIUM PRODUCTION ELECTROLYTIC CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:11/01/2011 :WO 2011/089497 :NA :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant:Brown Boveri Strasse 7 5400 Baden Switzerland (72)Name of Inventor:  1)WEDDE Geir
Filing Date	:NA	

# (57) Abstract:

An aluminium production electrolytic cell (4) comprises a bath (8) with bath contents (8a) at least one cathode electrode (10) in contact with said contents (8a) at least one anode electrode (6) in contact with said contents (8a) and a hood (16) defining interior area (16a) covering at least a portion of said bath (8). The electrolytic cell (4) is equipped for vent gases to be drawn from said interior area (16a). The electrolytic cell (4) also comprises at least one heat exchanger (52) for cooling at least a portion of the vent gases drawn from interior area (16a) prior to circulation thereof to interior area (16a).

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

(21) Application No.6899/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/08/2012 (43)

(43) Publication Date: 27/11/2015

# (54) Title of the invention: PROCESS FOR OBTAINING ANTIBODIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C07K16/00 :1001791.1 :03/02/2010 :U.K. :PCT/EP2011/051450 :02/02/2011 :WO 2011/095506 :NA :NA	(71)Name of Applicant:  1)UCB PHARMA S.A.  Address of Applicant:60 Alle de la Recherche B 1070 Brussels Belgium (72)Name of Inventor:  1)BILGISCHER Jean Pascal Pierre 2)BASSETT Philip Jonathan 3)PEARCE HIGGINS Mark Robert 4)KENNY Andrew John
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## (57) Abstract:

The present disclosure relates to a method for the manufacture of recombinant antibody molecules comprising culturing a host cell sample transformed with an expression vector encoding a recombinant antibody molecule; adding an extraction buffer to the sample; and subjecting the sample to a heat treatment step; wherein the pH of the sample is detected after addition of the extraction buffer and optionally adjusted to ensure that the pH of the sample is 6 to 9 prior to the heat treatment step.

No. of Pages: 47 No. of Claims: 8

(21) Application No.6408/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FIRE PROTECTION 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>	:10 2012 203 146.4 :29/02/2012 :Germany :PCT/EP2013/053652 :25/02/2013 :WO 2013/127714 :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)DENGLER Georg
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a fire protection device for a cable bushing (22) leading a cable unit (16) from a fire risk area (12) to an area (14) to be protected against fire comprising a fire protection means (32) that is provided for protection against the spread of a fire into the space (14) to be protected through the cable bushing (22). In order to provide a fire protection device that offers high flexibility in the use of cable bushings and allows subsequent repositioning of the cable the invention proposes that the fire protection means (32) is designed as an assembly component.

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

(21) Application No.6409/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: CRYOGENIC DEVICE

(51) International classification: A61F7/00,F25D31/00,A61H33/06 (71) Name of Applicant: (31) Priority Document No :02772/12 1)SHUPPO Vladimir

(32) Priority Date :11/12/2012 Address of Applicant :route de Collondales 106 CH 1815

(33) Name of priority country :Switzerland (86) International Application No :PCT/EP2013/061068 (72)Name of Inventor : 1)SHUPPO Vladimir

(87) International Publication :WO 2014/090418

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

(62) Divisional to Application
Number

Filing Date

:NA
:NA

(57) Abstract:

Filing Date

Cryogenic device for carrying out cryotherapy on the entire body of a patient the cryogenic device comprising: a treatment cabin (1) for taking up a patient the treatment cabin (1) having closed walls a closed roof and a door for entering the treatment cabin (1); a cold treatment gas preparation and distribution system for preparing a cold gas mixture and introducing it into the treatment cabin (1); and a control system (4) for controlling the introduction of cold treatment gas from the cold treatment gas preparation and distribution system into the treatment cabin (1) wherein the treatment cabin (1) further comprises a breathing window (7) for allowing a patient located inside the treatment cabin (1) to breath air from outside of the treatment cabin (1) the breathing window (7) comprising sealing means for allowing a tight contact between the breathing window (7) and the face of the patient.

No. of Pages: 19 No. of Claims: 11

(21) Application No.7045/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR ELECTRICAL CONTROL OF HEAT TRANSFER

Number Filing Date  (62) Divisional to Application Number Filing Date  :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	:13/01/2011 :WO 2011/088250 :NA :NA :NA	(71)Name of Applicant:  1)ClearSign Combustion Corporation Address of Applicant: 12870 Interurban Avenue South Seattle Washington 98168 United States of America U.S.A. (72)Name of Inventor: 1)David GOODSON 2)Thomas S. HARTWICK 3)Christopher A. WIKLOF
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### (57) Abstract:

A heat exchange system includes an electrode configured to electrostatically control a flow of a heated gas stream in the vicinity of a heat transfer surface and/or a heat-sensitive surface.

No. of Pages: 49 No. of Claims: 73

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A METHOD FOR AUTOMATICALLY DETECTING PHYSICAL CONNECTIONS OF ETHERNET BRIDGES CONNECTED TO A ROOT BRIDGE

(51) International classification :H04L12/721,H04L12/751 (71)Name of Applicant : (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (32) Priority Date :NA Address of Applicant :S- 164 83 Stockholm Sweden (33) Name of priority country (72)Name of Inventor: :NA (86) International Application No :PCT/EP2012/074974 1)POGGI -Fabio :10/12/2012 Filing Date 2) GALLINO, Roberto (87) International Publication No :WO 2014/090280 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number: NA Filing Date :NA

## (57) Abstract:

A method of detecting physical connections between a root bridge node and layer- 2 bridge nodes organised in a layer- 2 cloud. The method comprises sending (204) a query message from a sending port of the root bridge node and starting (206) a timer set to a waiting interval. After the timer expired (208), if a response message to the query message is not received or is received at the sending port then only the sending port is associated (216) with said layer- 2 cloud. Alternatively, if a response message is received at a port other than the sending port then the sending port and the receiving port are associated (214) with said layer- 2 cloud. A bridge node and a layer- 2 communications network are also disclosed.

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

(21) Application No.6420/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DRUG STORAGE APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:A61M39/14 :1202093.9 :07/02/2012 :U.K. :PCT/EP2013/052461 :07/02/2013 :WO 2013/117661 :NA :NA	(71)Name of Applicant: 1)RENISHAW (IRELAND) LIMITED Address of Applicant: Swords Business Park Swords Ireland (72)Name of Inventor: 1)LEWIS Trefor Owen 2)IRVING Charles 3)WOOLLEY Maxwell Roy 4)GILL Steven Streatfield
		4)GILL Steven Streatfield
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Fluid storage apparatus (22) for medical use is described that comprises a length of tubing (248) having a first end and a second end. A first sealable connector portion (250) is provided at the first end and a second sealable connector portion (252) is provided at the second end. The volume of fluid that can be stored within the apparatus (22) is known and an infusate or therapeutic agent is contained within the apparatus. In this manner a known volume of therapeutic agent can be infused to a patient. The use in neurosurgical applications is described.

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

(21) Application No.6421/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEDICAL FLUID CONNECTOR APPARATUS

(51) International classification	:A61M39/14,	(71)Name of Applicant:
(31) Priority Document No	:1202094.7	1)RENISHAW (IRELAND) LIMITED
(32) Priority Date	:07/02/2012	Address of Applicant :Swords Business Park Swords Ireland
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/052463	1)IRVING Charles
Filing Date	:07/02/2013	2)GILL Steven Streatfield
(87) International Publication No	:WO 2013/117662	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A medical fluid connector is described that comprises a first fluid connector portion (310) that can be connected to a second fluid connector portion (300). The first fluid connector portion (310) comprises a first locking member a lumen (314) and a septum (312) for sealing the lumen. The second fluid connector portion (300) comprises a second locking member a lumen (304) and a hollow needle (302) that is retained in and protrudes from the aperture at the end of the lumen (304). The variation in cross sectional area of the fluid path through the fluid connector portion (300) is less than 1mm to reduce mixing effects. The use of such a connector for neurosurgical purposes is described.

No. of Pages: 50 No. of Claims: 15

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VEHICLE INTERIOR FITTING PART AND METHOD FOR THE PRODUCTION THEREOF •

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:10/02/2011 :WO 2011/107212 :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrasse 20-30 51399  Burscheid Germany (72)Name of Inventor:  1)MARTIN WOLFF  2)ALEXANDER SCHIDAN 3)THORSTEN MEYER 4)OLIVER HUBE
(61) Patent of Addition to Application		3)THORSTEN MEYER

### (57) Abstract:

The invention relates to a vehicle interior fitting part (10), in particular for a motor vehicle, and to a method for producing a vehicle interior fitting part, said vehicle interior fitting part having a first support element and an energy absorption element, said support element is integrally joined to the energy absorption element by means of a connecting region, and the support element is provided such that it can be pre-assembled relative to the energy absorption element by means of the connecting region.

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

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: STANDARD ANTENNA INTERFACE

(51) International classification	:H01Q1/24,H01Q1/12,H01R24/38	(71)Name of Applicant :
(31) Priority Document No	:61/863739	1)ANDREW LLC
(32) Priority Date	:08/08/2013	Address of Applicant :1100 Commscope Place SE Hickory
(33) Name of priority country	:U.S.A.	NC 28602 U.S.A.
(86) International Application	:PCT/US2014/049971	(72)Name of Inventor:
No	:06/08/2014	1)COLAPIETRO Julian
Filing Date	.00/00/2011	2)BUONDELMONTE Charles J.
(87) International Publication	:WO 2015/026528	3)BONCZYK Michael F.
No	0 2013/020320	4)DONALDSON Jimmy L. Jr.
(61) Patent of Addition to	:NA	5)KURK Morgan C.
Application Number	:NA	6)BUTLER Ray K.
Filing Date	.1771	7)SCHMUTZLER Steven Lee
(62) Divisional to Application	:NA	8)DICKERSON Calvin
Number	:NA	
Filing Date	.11/1	

#### (57) Abstract:

An RF interconnection module includes a housing (90) having a perimeter a capacitive coupling (64) and a float gasket (86) disposed about the perimeter of the housing. When the housing is mounted in an opening the float gasket is positioned between the housing and the opening. The float gasket may be made of an elastomer material and may include a plurality of outwardly extending ribs for movable securing the gasket in the opening. In addition a mount assembly (500) includes a bracket assembly (502 504) attachable to a tower mounted equipment and at least one jumper cable (554) having at least one ohmic connector for connecting to the tower mounted equipment (20) and at least one capacitive connector. The capacitive connector may comprise an RF interconnection module mounted on the bracket assembly. The bracket assembly may be adjustable to accommodate tower mounted equipment of various sizes.

No. of Pages: 42 No. of Claims: 20

(21) Application No.6440/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: THIN COATINGS ON MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:01/02/2013 :WO 2013/113068 :NA :NA	(71)Name of Applicant:  1)NANO NOUVELLE PTY LTD  Address of Applicant: Unit 4 9 Cessna Street Marcoola Queensland 4564 Australia (72)Name of Inventor:  1)EDWARDS Geoffrey Allan 2)SONG Quansheng 3)GEORGE Peter Anthony
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for depositing a metal containing material onto a porous substrate the method comprises forming a seed coating on the substrate wherein the seed coating at least partially covers the substrate the seed coating being substantially free of precious metal and applying a metal containing material to the seed coating wherein the surface area of the substrate is greater than 0.02 m/cc as determined prior to coating the substrate. Non porous substrates may also be coated using a similar process.

No. of Pages: 59 No. of Claims: 89

(21) Application No.6441/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHROMATOGRAPHY COLUMNS

(51) International classification	:B01D15/20	(71)Name of Applicant :
(31) Priority Document No	:61/592569	1)REPLIGEN CORPORATION
(32) Priority Date	:30/01/2012	Address of Applicant :41 Seyon Street Building #1 Suite 100
(33) Name of priority country	:U.S.A.	Waltham 02453 U.S.A.
(86) International Application No	:PCT/US2013/023895	(72)Name of Inventor:
Filing Date	:30/01/2013	1)WITT Daniel P.
(87) International Publication No	:WO 2013/116367	2)WILDE William J.
(61) Patent of Addition to Application	:NA	3)LOWE Adrian
Number	:NA	4)SHAMASHKIN Michael
Filing Date	.IVA	5)REZAC Peter
(62) Divisional to Application Number	:NA	6)SLOCUM Alexander
Filing Date	:NA	7)WARD Travis

## (57) Abstract:

If one manufactures chromatography column tubes from plastic/thermoplastic or composite materials (such as polypropylene (PP) polyethylene (PE) polyamides acetals or glass filled plastics such as glass fiber plastics) and secures at least one of two flow distributors within the column tube with a tight interference or press fit the resulting chromatography columns reduce or avoid the formation of dead zones around the press fit flow distributor and have an infinitely adjustable packing medium volume also known as the medium bed height.

No. of Pages: 63 No. of Claims: 23

(21) Application No.4826/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: 6- CHLORO- 3- (PHENYL- D5)- INDEN- 1- ONE AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07C49/697 :PA 2012 00811 :19/12/2012 :Denmark :PCT/EP2013/077314 :19/12/2013 :WO 2014/096151 :NA :NA	(71)Name of Applicant:  1)H. LUNDBECK A/S  Address of Applicant: Otilliavej 9, DK -2500 Valby Denmark (72)Name of Inventor:  1)JACOBSEN, Mikkel Fog  2)BRANDES, Sebastian
Filing Date	:NA :NA	

# (57) Abstract:

THE PRESENT INVENTION DISCLOSES THE COMPOUND 6- CHLORO- 3- (PHENYL- D5)- INDEN- 1- ONE (I) AND ROUTES OF SYNTHESIS TO OBTAIN (I). IN A FURTHER ASPECT THE PRESENT INVENTION DISCLOSES THE USE OF (I) FOR THE SYNTHESIS OF (S) -6 -CHLORO -3 -(PHENYL- D5)- INDAN- 1- ONE.

No. of Pages: 50 No. of Claims: 17

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: BENDING DEVICE FOR SHAPING GLASS FOR USE IN AIRCRAFT TRANSPARENCIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:06/12/2013 :WO 2014/093150 :NA :NA	(71)Name of Applicant:  1)PPG INDUSTRIES OHIO, INC. Address of Applicant:3800 West 143rd Street, Cleveland, Ohio 44111 U.S.A. (72)Name of Inventor: 1)DEANGELIS, John E. 2)JIAO, Yu 3)WARREN, Dennis D. 4)YU, Chao
Filing Date	:NA	

### (57) Abstract:

A sheet bending device includes a sheet shaping rail having a stationary shaping rail portion mounted on a support member and an articulating shaping rail portion pivotally mounted on the support member for movement from a non -shaping position to a shaping position. A retention member limits movement of a sheet to be shaped relative to the stationary shaping rail portion when the articulating shaping rail portion moves to the shaping position. A cut- to- size method is also disclosed to shape a sheet for use in making an aircraft transparency.

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

(21) Application No.4879/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PASSENGER GUIDANCE SYSTEM FOR GUIDANCE OF PASSENGERS WITHIN A PUBLIC TRANSPORTATION VEHICLE

(51) International

:B61D41/04,B60N2/00,G08G1/005

classification (31) Priority Document No

:12194849.1

(32) Priority Date

:29/11/2012 :EPO

(33) Name of priority country

(86) International Application .pcT/Ep2013/6

No ___

n :PCT/EP2013/074978 :28/11/2013

Filing Date

.20/11/2013

:NA

(87) International Publication

":WO 2014/083111

(61)

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

Filing Date

(62) Divisional to Application Number: NA

Filing Date

(71)Name of Applicant:

1)BOMBARDIER TRANSPORTATION GMBH

Address of Applicant :Schneberger Ufer 1, 10785 Berlin

Germany

(72)Name of Inventor:

1)GRIGGS, Paul

2)LUCHTERHAND, Markus

## (57) Abstract:

Passenger guidance system for guidance of passengers within a public transportation vehicle (50), comprising - one or more visible signal indicators (3, 4; 8, 17), placed in the interior of the vehicle (50) and adapted to guide passengers to free seats and/or free standing areas within the vehicle, - a detecting means (60, 65) adapted to detect free seats (63, 66) and/or free standing areas, - a control unit (61) adapted to control the visible signal indicators, - a data transmission means (62) adapted to transmit data from the control unit (61) to the visible signal indicators (3), wherein the control unit (61) is adapted to act on the visible signal indicators (3, 4; 8, 17) in such a way that a signal is shown that guides passengers to free seats (63, 66) and/or free standing areas.

No. of Pages: 18 No. of Claims: 13

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: USER PROFILE AND GEOLOCATION FOR EFFICIENT TRANSACTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:G06Q20/00 :61/316527 :23/03/2010 :U.S.A. :PCT/US2011/028825 :17/03/2011 :WO 2011/119407 :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC.  Address of Applicant: PO Box 8102 Reno NV 89507 U.S.A. (72)Name of Inventor:  1)RAMALINGAM Harsha 2)WALSH Paul 3)CARR Michael 4)LATHIA Bhavnish 5)CHUANG James
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Techniques for providing friction free transactions using geolocation and user identifiers are described herein. These techniques may ascertain a user's location based on a location of a mobile device. A transaction between the user and a merchant may be completed with zero or minimal input from the user based on the geolocation of the mobile device and the user identifiers. In some implementations a transaction initiated earlier is completed when the mobile device arrives at the merchant. Additionally a parent child or similar relationship may be established between multiple devices. Security on the mobile device based may be provided by biometric identification and calculation of variance from regular movement patterns. Advertisements may be sent to the mobile device based on bids from merchants near to the mobile device. Promotions may be sent to the mobile device when more than a threshold number of mobile devices are located at the same merchant.

No. of Pages: 88 No. of Claims: 15

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: APPARATUS AND METHODS FOR SEPARATION VOLATILES FROM PARTICULATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07C :61/307,556 :24/02/2010 :U.S.A. :PCT/US2010/057603 :22/11/2010 :WO/2011/106047 :NA :NA :NA	(71)Name of Applicant:  1)UNIVATION TECHNOLOGIES LLC Address of Applicant:5555 San Felipe Suite 1950 Houston TX 77056 USA U.S.A. (72)Name of Inventor: 1)RONALD S EISINGER 2)BRUCE S HOLDEN 3)TIMOTHY CHARLES FRANK
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### (57) Abstract:

Apparatus and methods for separating volatiles from particulates are provided. The apparatus includes a separator having an internal volume and a fluid discharge outlet, a particulate discharge outlet, a particulate inlet, and a fluid inlet disposed on the separator and in fluid communication with the internal volume. The particulate inlet is disposed toward a first end of the separator and the fluid inlet is disposed toward a second end of the separator. The fluid inlet includes one or more openings disposed through a sidewall of the separator.

No. of Pages: 37 No. of Claims: 21

(21) Application No.4835/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: LITHIUM ION CAPACITORS AND METHODS OF PRODUCTION

(51) International :H01G11/06,H01G11/50,H01G11/62

(31) Priority Document No :13/687161 (32) Priority Date :28/11/2012 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2013/071422

Filing Date :22/11/2013

(87) International Publication No :WO 2014/085233

(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)CORNING INCORPORATED

Address of Applicant :1 Riverfront Plaza, Corning ,New York

14831 U.S.A.

2)GADKAREE, Kishor Purushottam

3)LIU, Xiaorong (72)Name of Inventor:

1)GADKAREE ,Kishor Purushottam

2)LIU ,Xiaorong

# (57) Abstract:

A lithium -ion capacitor may include a cathode, an anode, a separator disposed between the cathode and the anode, a lithium composite material, and an electrolyte solution. The cathode and anode may be non-porous. The lithium composite material comprises a core of lithium metal and a coating of a complex lithium salt that encapsulates the core. In use, the complex lithium salt may dissolve into and constitute a portion of the electrolyte solution.

No. of Pages: 27 No. of Claims: 16

(21) Application No.4836/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention: JOINING METHODS FOR BULK METALLIC GLASSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/731146 :29/11/2012 :U.S.A. :PCT/US2013/071433 :22/11/2013 :WO 2014/085241 :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza, Corning, NY 14831 U.S.A.  2)CHAPARALA, Satish, Chandra  3)MOORE, Lisa, Anne (72)Name of Inventor:  1)CHAPARALA, Satish, Chandra  2)MOORE, Lisa, Anne
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Bulk metallic glass having at least one surface: applying a contact layer to at least a portion of the at least one surface of the bulk metallic glass; applying a diffusion barrier layer to the contact layer; applying a cap layer to the diffusion barrier layer to form a layered bulk metallic glass; and joining a material to the layered bulk metallic glass.

No. of Pages: 18 No. of Claims: 19

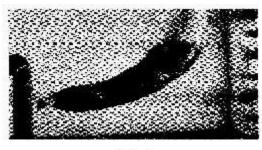
(22) Date of filing of Application :09/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: COMPOSITION FOR PRODUCING A TEMPORARY INTESTINAL OCCLUSION

:A61L24/00,A61L24/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BISCHOF Georg :A 25/2010 (32) Priority Date :13/01/2010 Address of Applicant :Wilbrandtgasse 39/1 A 1180 Wien (33) Name of priority country :Austria Austria (86) International Application No :PCT/AT2011/000015 (72) Name of Inventor: Filing Date :12/01/2011 1)BISCHOF Georg (87) International Publication No :WO 2011/085424 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to the use of a solidifiable composition for producing a temporary occlusion of the intestine of a mammal wherein the composition is flowable and solidifiable to form a solid plug at a desired location in the intestine. The structure of said plug can be modified for the subsequent at least partial removal of the occlusion.



FIRS 1

No. of Pages: 45 No. of Claims: 23

(22) Date of filing of Application :05/06/2015

:NA

:NA

(43) Publication Date: 27/11/2015

(54) Title of the invention : TEST PLATE , TEST SYSTEM AND A METHOD FOR TESTING THE SEALING TIGHTNESS OF A GLOVE THAT IS INSTALLED IN AN ISOLATOR PORT A GLOVE AS WELL AS AN ISOLATOR FOR USE WITH THE TEST SYSTEM

(51) International classification	1:G01M3/02,G01M3/32,B25J21/02	(71)Name of Applicant :
(31) Priority Document No	:12196195.7	1)KEIL, Michael
(32) Priority Date	:07/12/2012	Address of Applicant :Breslauerstr. 5, 35325 M1/4cke- Merlau
(33) Name of priority country	:EPO	Germany
(86) International Application No Filing Date	:PCT/EP2013/074420 :21/11/2013	(72)Name of Inventor : 1)KEIL ,Michael
(87) International Publication No	:WO 2014/086591	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Filing Date

Number

(62) Divisional to Application

The invention relates to a test system and a corresponding method for testing the sealing tightness of a glove that is installed in an isolator port, said test system comprising a test plate (1, 1) that can be connected to the port so as to be hermetically sealed, the glove and test plate (1, 1) together enclosing a glove volume that can be put under excess pressure by the test plate (1, 1), said test plate (1, 1) comprising a pressure measurement device with a microprocessor and a memory for recording and storing a pressure curve in the glove volume, and a data interface. The invention also relates to a glove suitable for use with such a test system, and a corresponding isolator. In order to be able to make resilience predictions concerning the remaining lifespan of the glove, and to minimise downtimes, said test plate (1, 1) comprises a reader device (15) for reading out a first identification element that is located on the glove and a second identification element that is associated with the port, information data of the glove and port being associated with the pressure curve, and a loss of pressure being determined from this pressure curve and compared to a limit value. This allows a remaining period of use to be estimated for the glove. A plurality of gloves can also be tested at the same time.

No. of Pages: 34 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4869/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BUBBLE CONTINUOUS POSITIVE AIRWAY PRESSURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A62B7/02 :61/730353 :27/11/2012 :U.S.A. :PCT/US2013/071965 :26/11/2013 :WO 2014/085431 :NA :NA	(71)Name of Applicant:  1)WILLIAM MARSH RICE UNIVERSITY Address of Applicant:6100 Main Street, Houston, TX 77005 U.S.A. (72)Name of Inventor: 1)RICHARDS- KORTUM, Rebecca 2)ODEN, Z., Maria 3)BROWN, Jocelyn, Kaye 4)MIROS, Robert, HJ 5)MOLYNEUX, Elizabeth
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A bubble continuous positive airway pressure system may include an adjustable flow generator configured to control a flow rate of air to be delivered to a patient. A pressure - regulated delivery system is configured to control a pressure delivered to the patient interface. The delivery system is operatively connected to a pressure control tube. One end of the pressure control tube is submerged in a liquid. A patient interface is configured to transfer pressure from the pressure control tube to the patient s airway.

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

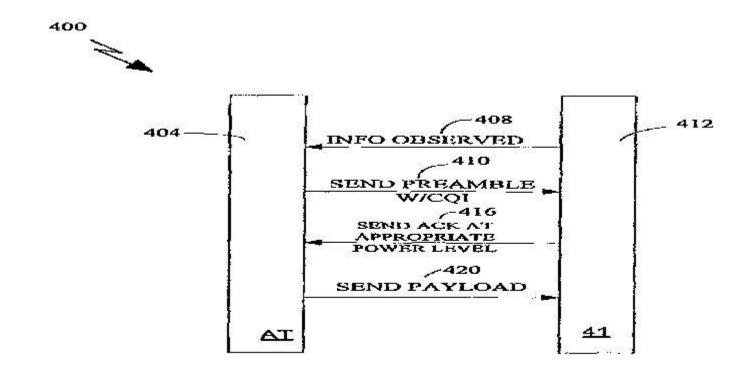
(22) Date of filing of Application :19/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A METHOD AND A WIRELESS COMMUNICATION APPARATUS FOR MINIMIZING A BROADCAST ACKNOWLEDGEMENT CHANNEL DURING PREAMBLE TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04Q 7/38 :60/590113 :21/07/2004 :U.S.A. :PCT/US05/024614 :11/07/2005 :WO 2006/019710	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant:5775 MOREHOUSE DRIVE, SAND DIEGO, CA 92121-1714, USA. U.S.A. (72)Name of Inventor:  1)ARAK SUTIVONG 2)EDWARD HARRISON TEAGUE
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filed on</li> </ul>	:NA :NA :682/DELNP/2007 :25/01/2007	3)ALEXEI GOROKHOV

### (57) Abstract:

A method for minimizing a broadcast acknowledgement channel during preamble transmission, comprising: determining a forward link channel quality from an observed pilot signal transmission; randomly selecting an access sequence from a group of access sequences based on the observed pilot signal transmission, wherein the group of access sequences is designated for a range of forward link channel quality (CQI) values.



PIG. 4

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6934/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

(54) Title of the invention: DEVICE

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:61/295,679	1)BAYER HEALTHCARE LLC
(32) Priority Date	:15/01/2010	Address of Applicant :555 White Plains Road Tarrytown New
(33) Name of priority country	:U.S.A.	York 10591 U.S.A.
(86) International Application No	:PCT/US2011/021580	2)PATRICK RYAN
Filing Date	:18/01/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/088471	1)ANDREAS MUELLER-BECKHAUS
(61) Patent of Addition to Application	:NA	2)KEVIN PROSISE
Number	:NA	3)EDWARD CHENG
Filing Date	.11/11	4)PETER KRAMER
(62) Divisional to Application Number	:NA	5)ANDREW COATS
Filing Date	:NA	6)ROBERT DYER

### (57) Abstract:

The present application is directed to devices. The device may used for connecting a closed receptacle and a container, such as a syringe.

No. of Pages: 33 No. of Claims: 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6970/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: STAGE LIGHT FIXTURE

(51) International classification :F21S8/00,F21Y113/02,F21W131/406

(31) Priority Document No :MI2010A000209

(32) Priority Date :12/02/2010 (33) Name of priority

country :Italy

(86) International

Application No :PCT/IB2010/001685

Filing Date :09/07/2010

(87) International Publication No :WO 2011/098858

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

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

(71)Name of Applicant: 1)CLAY PAKY S.P.A.

Address of Applicant :Via Pastrengo 3/B I Seriate Italy

(72)Name of Inventor: 1)CAVENATI Angelo 2)QUADRI Pasquale

## (57) Abstract:

A stage light fixture (1, 100, 200) having a casing (2); a supporting structure (3) supporting the casing (2); and a stroboscopic light source (11) fitted integrally to the casing (2).

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

# (54) Title of the invention : REMOVABLE LINGUAL VESTIBULAR DENTAL ALIGNMENT DEVICE AND METHOD FOR THE PRODUCTION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A61C7/00 :NA :- : :PCT/ES2013/000003 :02/01/2013 :WO 2014/106676 :NA :NA	(71)Name of Applicant:  1)JIM%NEZ CARABALLO, Santiago Address of Applicant: C/ Femado VII, 5, E-28037 Madrid Spain (72)Name of Inventor:  1)JIM%NEZ CARABALLO, Santiago
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a removable lingual- vestibular dental alignment device comprising an assembly of independent caps (12). The inner part of each cover (12) includes a fissure (14) for coupling to a fixing element (21, 24, and 27) adhered to the tooth (20) and outer elements (13) facilitating the crossing of the dental arch (16), having a circular, square or rectangular cross-section. The invention also relates to a method for producing the caps (12), that includes scanning the mould of the denture and working on a virtual mould in order to include the corrective elements. The caps (12, 35) are produced after printing the result of the denture (9) with the different elements and subsequent stamping method or from the printing of a file corresponding to a virtual cap produced on the virtual denture (8) that includes the virtual cuboids (4) and virtual half-spheres (5).

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 27/11/2015

## (54) Title of the invention: POLYMER ENERGY ABSORBER AND RELATED VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/745180 :18/01/2013 :U.S.A. :PCT/US2014/011875 :16/01/2014 :WO 2014/113580 :NA :NA	(71)Name of Applicant:  1)SABIC GLOBAL TECHNOLOGIES B.V. Address of Applicant: Plasticslaan 1, NL -4612 PX Bergen op Zoom Netherlands (72)Name of Inventor:  1)NAGWANSHI, Dhanendra Kumar 2)PARAMESHWARA, Arunachala; 3)IMAI, Shingo; 4)MARKS, Matthew D.;
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one embodiment a rail extension (4) comprises: an energy absorber comprising a polymer body, and vehicle attachment tabs (12) extending from one end of the energy absorber and configured to attach to a vehicle rail (6), and an attachment tab extending from another end of the energy absorber and configured to attach to a bumper beam (2). The energy absorber comprises cells (14) formed by cell walls extending a length of the energy absorber and forming cavities therethrough; and open channels (16) formed on each side of the energy absorber, wherein the channels are defined by walls of adjacent cells. A vehicle can comprise: a bumper beam (2); a vehicle rail (6); and the rail extensions (4).

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

(22) Date of filing of Application :27/03/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A MECHANICAL DEVICE FOR OPERATING AND CONTROLLING CIRCUIT BREAKERS

	:H01H	(71)Name of Applicant:
(51) International classification	3/00,	1)LARSEN & TOUBRO LIMITED
	H01H9/20	Address of Applicant :L & T House, Ballard Estate, P.O. Box
(31) Priority Document No	:NA	278, Mumbai 400 001, State of Maharashtra, India Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)VETTIYATTIL ,Sanjai
Filing Date	:NA	2)MAHAJAN ,Amol
(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 improved operating mechanism for operating and controlling of circuit breaker is disclosed. The improved operating mechanism comprises of an operating knob (4i) means fixed onto a fork link (4f) means which drives a dead-centre based mechanism consisting of a plurality of upper link (4b) means, a plurality of lower link (4c) means, and at least one spring mounted between a spring pin (4f1) means and a floating pin (4b2) means.

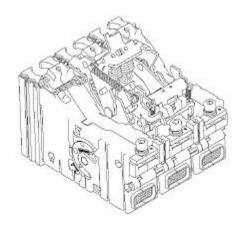


Figure 1

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

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: JEWELLERY WITH SECURELY NESTED CHANGEABLE DECORATIVE ELEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	A44C17/02 :NA :NA :NA :PCT// :01/01/1900 : NA	Address of Applicant :116 SDF-IV, SEEPZ, SEZ, Andheri (East), Mumbai Maharashtra India (72)Name of Inventor:  1)Mr. Shishir B. Nevatia
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A jewellery with securely nested changeable decorative elements having a main decorative element, optionally one or more auxiliary decorative element, securely fitted on a base ornament. The auxiliary decorative element, when present, is trapped between the main decorative element and the base ornament, the main decorative element and the optional auxiliary decorative element are securely nested and locked with the base ornament; and the main decorative element and the optional auxiliary decorative element get unlocked by a common action by a pointed tool. The main decorative element and auxiliary decorative element look integral to base ornament, that is, as if the jewellery is single piece jewellery.

No. of Pages: 31 No. of Claims: 17

(22) Date of filing of Application :08/05/2014 (43) F

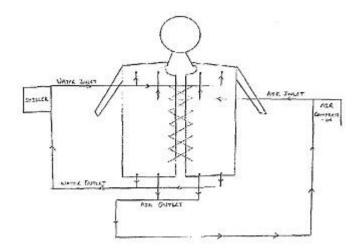
(43) Publication Date: 27/11/2015

## (54) Title of the invention: 'PULMONARY FUNCTION TESTING INDUCTION JACKET'

(51) International classification	:G01F25/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. PRASHANT RAJDEEP
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF PHYSIOLOGY,
(33) Name of priority country	:NA	THE M. S. UNIVERSITY OF BARODA, VADODARA-390001,
(86) International Application No	:NA	GUJARAT, INDIA. Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. PRASHANT RAJDEEP
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Pulmonary function testing jacket is a unique concept that results in responsive breathing efforts of a patient for producing physiological gasps calculating one or more parameters associated with lung volumes. This invention is will reduce the voluntary efforts of the patients, which is the major burden while seeking conclusive investigation in PFT centers mainly in ENT, Physiology and Pulmonary medicine departments. It will not only assist the patients, it will reduce the trial frequency, time and energy of a doctor behind teaching the maneuver to the patients and hence will add wings to the respiratory medicine of the present era. It uses cold water in a jacket as stimuli for inspiration and pressurizes air in the same jacket as an aid for expiration. The significance of it is, it will provide a new technique which assist in performing PFT.



No. of Pages: 6 No. of Claims: 5

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention : APPRENTICE SPIROMETER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)DR. PRASHANT RAJDEEP  Address of Applicant: DEPARTMENT OF PHYSIOLOGY, THE M. S. UNIVERSITY OF BARODA, VADODARA-390 001, GUJARAT, INDIA. Gujarat India (72)Name of Inventor:  1)DR. PRASHANT RAJDEEP
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

Apprentice spirometer is the modification of conventional Spirometer which is used in the lab by students of the foundational year of medicine to measure the different lung volumes. The modified Apprentice Spirometer is built with a hardware system that controls the flow and the direction of the air in the system. The airflow system attached to the device makes it more feasible to measure the lung volumes. When compared with the conventional Spirometer, it allows better control on the air movements, eliminates the unsteadiness of the cylinder, eliminates pulley, chain and also provides more easy and accurate reading using the scale printed on the cylinder itself which signifies its importance in student's education, which also let the students to understand various facets of pulmonary medicine practically.

No. of Pages: 6 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1268/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :11/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR DERIVING EXPECTED ENTERPRISE ARCHITECTURE USING MODEL-BASED APPROACH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:NA :NA :NA :PCT// :01/01/1900 : NA	(71)Name of Applicant:  1)Tata Consultancy Services Limited    Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)SUNKLE, Sagar 2)RATHOD, Hemant Kumar 3)KULKARNI Vinay
` '	:NA :NA	2)RATHOD, Hemant Kumar

#### (57) Abstract:

System and method for obtaining and operationalizing an optimal enterprise architecture is disclosed. First, an Enterprise Architecture (EA) model and an Intention and Motivation (IM) model of an enterprise are received. Upon receiving, the EA model and the IM model are integrated to obtain one or more expected enterprise architecture alternatives. Each expected enterprise architecture alternative comprises a strategy to achieve the goals of the enterprise. The EA model and the IM model are integrated by mapping elements of the EA model and the IM model using an ontology technique. Subsequently, the expected enterprise architecture alternatives are evaluated with the IM model to obtain an optimum enterprise architecture. Further, the optimum enterprise architecture is operationalized with the units of the EA model present in the enterprise.

No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :11/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR ANALYSIS OF ENTERPRISE ARCHITECTURE USING MODEL-BASED APPROACH

<ul><li>(51) International classification</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>	:G06F7/00, G06F9/44 :NA :NA :NA :PCT//	(71)Name of Applicant:  1)Tata Consultancy Services Limited Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India (72)Name of Inventor:
Filing Date	:01/01/1900	1)SUNKLE, Sagar
(87) International Publication No	: NA	2)RATHOD, Hemant Kumar
<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)KULKARNI ,Vinay

#### (57) Abstract:

System and method for analyzing an enterprise architecture is disclosed. First, an Enterprise Architecture (EA) model and an Intention and Motivation (IM) model of an enterprise are received. The EA model comprises units performing at least one task to achieve at least one goal of the enterprise. The IM model indicates at least one goal of the enterprise. Further, the EA model and the IM model are integrated to obtain one or more expected IM model alternatives. Each IM model alternative indicates an ability of the unit to perform at least one task. The EA model and the IM model are integrated by mapping elements of the EA model and the IM model using an ontology technique. Subsequently, the IM model alternatives are evaluated to obtain routines of the units performing at least one task. Based on the routines of the actor, an aggregate analysis for the IM model alternatives is performed.

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

(22) Date of filing of Application :15/01/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AN ORTHOPAEDIC HAND SUPPORT

(51) International classification	:A61F 5/00	(71)Name of Applicant: 1)MR. AMRUTLAL DEVSHIBHAI CHUDASAMA
(31) Priority Document No	:NA	Address of Applicant :OPP. S. T. DEPOT, JAMNAGAR-
(32) Priority Date	:NA	GUJARAT 361005 Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. AMRUTLAL DEVSHIBHAI CHUDASAMA
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 orthopaedic hand support comprising springs which can be removed or added to adjust wrist tension. The orthopaedic hand support in which finger, thumb attachments are made as optional. The finger thumb attachments can be attached with orthopaedic hand support. The orthopaedic hand support which can be used in radial nerve palsy, posterior intraosseus nerve palsy or for physiotherapy after extensor tendon repair. The patient friendly orthopaedic hand support can be used for active exercise of fingers.

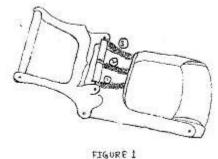


FIGURE I

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1616/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : HAIR COLORING SHAMPOO COMPOSITION AND A PROCESS FOR THE PREPARATION OF THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K8/00, A61K8/37, :NA :NA :NA	(71)Name of Applicant:  1)EMAMI LIMITED  Address of Applicant: EMAMI LIMITED, 701, EXPRESS  ZONE, WESTERN EXPRESS HIGHWAY, GOREGAON (EAST), MUMBAI - 400 063. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GANESH PATIL
(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 hair coloring shampoo composition and the process of preparation of the same. The aqueous hair coloring shampoo composition comprises a non-ionic surfactant, at least one amphoteric surfactant, at least one betaine surfactant and a cationic dye associated with a pigment and the absence of an anionic surfactant. There are no damage causing ingredients such as H2O2, Ammonia, Sulphate and PPD. This being a hair coloring shampoo, grey coverage / hair coloring benefits are delivered in situ and hence overall process is very simple as shampoo and hassle free / less messy.

No. of Pages: 18 No. of Claims: 14

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

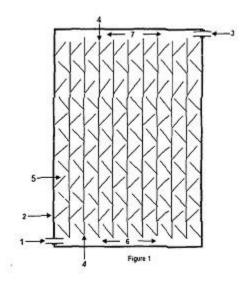
(43) Publication Date: 27/11/2015

# (54) Title of the invention : FOLDABLE, LIGHT WEIGHT, PORTABLE HEAT COLLECTOR FOR SOLAR FLUID HEATING SYSTEMS.

(51) International classification	:F24J2/13, F24J2/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MATE NITANT VISHNU
(32) Priority Date	:NA	Address of Applicant :FLAT NO. 402, TRIMURTI CO-OP
(33) Name of priority country	:NA	HSG. SOC., S. NO. 123/2, OFF LAW COLLEGE ROAD, PUNE
(86) International Application No	:NA	411004, MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	2)KULKARNI PRANAV DILIP
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)MATE NITANT VISHNU
Number	:NA	2)KULKARNI PRANAV DILIP
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is about solar thermal absorber. The design, materials used and the manufacturing processes adopted make the innovated product foldable, portable, light weight, non-breakable and affordable. The choice of material of construction include but is not limited to all plastics such as low density polyethylene, high density polyethylene, polypropylene, polycarbonate Kevlar, Mylar, multi-layer plastics, composites metal foils, coated polymers, and the like. The fluid flow paths, patterns and characteristics created as design feature of the absorber panel help to maximize heat collection from the available surface area. The cold fluid enters the absorber through inlet nozzle (1) and gets into the inlet header (6). The various seals (4) and (5) create fluid path ways in the collector. These pathways decide the pattern and characteristics of the flow depending on the flow rate. The flow rate could be maintained through natural convection process or by means of forced circulation, using outside aid such as pumps of gravity. The flow characteristics vary the Reynolds' number. Higher value of Reynolds' number makes the heat transfer process more effective. The outlet nozzle (3) is attached to the outlet header (7), from which the heated fluid exits the absorber module.



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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR THE FAST RELIEF AND TREATMENT OF INFLAMMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61K45/06, A61K31/16, A61K31/445 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SHAMKUWAR PRASHANT BABARAO Address of Applicant: GOVERNMENT COLLEGE OF PHARMACY, THIBA PALACE, RATNAGIRI, PIN NO. 415612, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor: 1)SHAMKUWAR PRASHANT BABARAO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Inflammation is a defense phenomenon caused by physical trauma, noxious stimuli by chemical agents, heat, antigen-antibody reaction and microbial effect. The signs and symptoms of inflammation include redness, swelling, heat and pain. In accordance with the present invention provides a product which is fast relief anti-inflammatory pharmaceutical composition for treating inflammation. The ingredients of the composition are Diclofennac, Piperine and Cashew fenny. The quick anti-inflammatory effect of the composition is due to the bio-enhancing effect of Piperine with Diclofenac when applied with cashew fenny externally. Piperine along with cashew fenny has shown synergistic effect on the anti-inflammatory activity of Diclofenac. Fast relief anti¬inflammatory pharmaceutical composition produces anti-inflammatory activity may be due to the inhibition of release of histamine, serotonin and kinins. Fast relief anti¬inflammatory pharmaceutical composition can be used for treating joint pain and back pain, sprains and swelling, minor sports injuries, neck and shoulder pains and pains due to rheumatoid arthritis, osteoarthritis and gout.

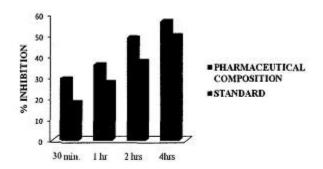


Figure: 1

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS OF PREPARATION OF MODAL FIBRE VIA SCREW PRESS TECHNOLOGY FROM VISCOSE OF HIGH CELLULOSE CONTENTS.

(51) International classification	·D01E2/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BIRLA RESEARCH INSTITUTE FOR APPLIED
(32) Priority Date	:NA	SCIENCES
(33) Name of priority country	:NA	Address of Applicant :BIRLAGRAM - 456 331 NAGDA.
(86) International Application No	:NA	(MADHYA PRADESH), INDIA Madhya Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ADITYA NARAYAN SHRIVASTAVA
(61) Patent of Addition to Application Number	:NA	2)PRAVEEN SURANGE
Filing Date	:NA	3)RAJEEV KUMAR SHARMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a process for the production of modal fibre from viscose which comprises the steps of steeping cellulose with diluted sodium hydroxide at temperature 48°-52°C to obtain a slurry of alkali-cellulose, subjecting said slurry to homogenization to form a homogenized mass feeding said homogenized mass into a single shaft screw press with constant flow to squeeze excess alkali to obtain a fluffy mass containing cellulose concentration in the range of 36-40%, shredding the mass and subjecting the mass to ageing, followed by xanthation of the same by adding 30-34% carbon di sulphide on cellulose weight basis to obtain the alkali soluble sodium cellulose xanthate derivative (viscose), dissolving said xanthate derivative in cold dilute sodium hydroxide in presence of modifiers and subjecting the same to ripening and deaeration to obtain the deaerated viscose, passing said deaerated viscose through a spinneret into a regeneration bath at 38°-42°C to regenerate filaments, and stretching said filaments through a stretch bath.

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

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROCESS FOR PREPARATION OF CRYSTAL FORM OF MIRABEGRON

(51) International classification	:A61K 31/426	(71)Name of Applicant: 1)LUPIN LIMITED
(31) Priority Document No (32) Priority Date	:NA :NA	Address of Applicant :159 CST Road, Kalina, Santacruz (East), Mumbai-400 098, State of Maharashtra, India Maharashtra
(33) Name of priority country	:NA	India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)BHATT, Nikhil, Shashikant
(87) International Publication No	: NA	2)SHARMA, Madan, Kumar
(61) Patent of Addition to Application Number	:NA	3)PATEL, Praveen, Shamjibhai
Filing Date	:NA	4)MAHETA, Hitendra, Kanaiyalal
(62) Divisional to Application Number	:NA	5)PATEL, Daxesh
Filing Date	:NA	6)BADGUJAR, Narendra, Dattatray

### (57) Abstract:

The present invention is directed to process for preparation of a-form crystal of Mirabegron, (R)-2-(2-aminothiazol-4-yl)-N-(4-(2-((2-hydroxy-2-phenylethyl) amino) ethyl) phenyl) acetamide of formula (1).

No. of Pages: 15 No. of Claims: 6

(21) Application No.1564/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR LOCATION BASED REAL TIME AUCTION BIDDING

(51) International classification	:G06Q	(71)Name of Applicant :
(b 1) International Glassification	40/06	1)KESARWANI, Gyan Prakash
(31) Priority Document No	:NA	Address of Applicant :PLOT-177B, FLAT 402, AMRUT
(32) Priority Date	:NA	VARSHA APARTMENT, SHIVAJI NAGAR, NAGPUR-
(33) Name of priority country	:NA	440010, MAHARASHTRA, INDIA. Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)KESARWANI, Gyan Prakash
(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:

ABSTRACT An auction method includes an auction price-setting process and a fixed price process for purchasing a sellers offering to a buyer. The seller may adjust a seller fixed-price offer during the auction price-setting process.

No. of Pages: 27 No. of Claims: 12

(21) Application No.1565/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROCESS FOR PREPARATION OF 7-DEHYDROCHOLESTEROL

<ul> <li>(51) International classification</li> <li>(31) 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 31/593 :NA :NA :NA :PCT// :01/01/1900	(71)Name of Applicant:  1)FERMENTA BIOTECH LIMITED  Address of Applicant: *DIL™ Complex, Ghodbunder Road,  Majiwada, Thane (West)-400 610, Maharashtra, India.  Maharashtra India  (72)Name of Inventor:  1)DATLA, Anupama
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	: NA :NA :NA	2)TAMORE, Jagdish 3)TRIVIKRAM, Sreenath
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

ABSTRACT: The invention discloses an improved cost-effective process for preparation of 7-Dehydrocholesterol of formula I with good yield and purity.

No. of Pages: 37 No. of Claims: 9

(21) Application No.1653/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PAPER FLUIDIC DEVICE FOR REGULAR MONITORING OF ORAL HEALTH

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International	:G01N33/49, G01N30/02, G01N33/52 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology, Bombay Address of Applicant: Powai, Mumbai 400076, Maharashtra, India Maharashtra India (72)Name of Inventor: 1)Prof. Debjani Paul 2)Ammar Jagirdar 3)Prasad J. Shetty 4)Ramaa Krishna Sampath Satti 5)Mr. Sahil Garg
Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	: NA :NA :NA :NA :NA	6)Ms. Akshi Gupta

### (57) Abstract:

The present invention relates to a simple, inexpensive, disposable, quick, sensitive and accurate diagnostic tool for determining the oral health. The diagnostic tool of the present invention is a paper fluidic device comprising at least one layer of patterned hydrophobic paper or paper like material printed with at least one reagent such as but not limited to pH determining, micro-organism detecting, analyte detecting or enzyme detecting reagents. The present invention also provides a method for preparing the paper fluidic device.

No. of Pages: 38 No. of Claims: 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1655/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A PROCESS FOR TREATING SPENT FILTER EARTH

(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	:F26B5/16, F26B1/00, F26B21/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HINDALCO INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, CENTURY BHAVAN, DR. ANNIE BESANT ROAD, WORLI, MUMBAI, INDIA Maharashtra India (72)Name of Inventor:  1)KRISHNAN, VENKATESH 2)PANDIT, HARSHADKUMAR SHRIKANT
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A process for treating spent filter earth having oil is disclosed. The process comprising mixing the spent filter earth with water and an acid, such that the acid is in a range of 1-4% (w/v), heating the mixture obtained in the previous step, allowing the mixture to stand to facilitate formation of separate layers of filter earth, water and oil, recovering the filter earth, and recovering oil.

No. of Pages: 30 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1656/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BLOWER MANIFOLD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)InspirOn Engineering Private Limited     Address of Applicant: Survey No. 320, Near GIDC Odhav,     Odhav Road, Ahmedabad- 382415, Gujrat, India Gujarat India     (72)Name of Inventor:     1)Mr. Shriram Soni     2)Mr. Ankit Thakkar     3)Mr. Yogesh Shah     4)Mr. Sahaj Panchal</li> </ul>
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## (57) Abstract:

The present invention pertains to a manifold (14/16) provided at the delivery end of a blower/dryer, for fluid treatment of fabric, cellulosic or other fibrous material (12) passing over the plate (44) of the said manifold (14/16) comprising a closed distribution channel (50) having an entry port (46) at one end; and, a plate (44) with at least one outlet opening (63); characterized by the fact that the said outlet opening (63) is conical having narrow inlet (64) facing inside of the distribution channel (50) and wide outlet (65) flush with the outer surface of the plate (44), over which passes the fabric, cellulosic or other fibrous material (12).

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

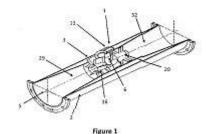
(22) Date of filing of Application :13/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A POWER GENERATION SYSTEM.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filed on</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03B9/00 :NA :NA :NA :NA :NA : NA : 01/01/1900 :NA :NA	(71)Name of Applicant:  1)KIRLOSKAR INTEGRATED TECHNOLOGIES LIMITED  Address of Applicant:13/A, KARVE ROAD, KOTHRUD, PUNE-411038, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:  1)BHENDE UDAY YESHWANT 2)JOSHI SANJAY PRAKASH 3)ADKAR PRASHANT RAMAKANT 4)MARATHE PRANAV SHAM 5)JOSHI ASHWIN SHARAD 6)GANU SHIRISH MADHAV
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#### (57) Abstract:

A system (1) to generate electricity from a fluid flowing through a pipeline. The system comprises a mounting arrangement to mount the system in a pipeline. The system comprises an elongate shaft (4). a turbine rotor (6), which is operable to rotate about the elongate axis of the shaft (4) when fluid in the pipeline acts on the turbine rotor (6). The system further comprises an electrical generator arrangement with a first part incorporating at least one magnet (12) and a second part incorporating at least one winding (14). One part of the generator arrangement is mounted to the turbine rotor (6) and the other part of the generator arrangement is mounted to a stator element (13) which is positioned adjacent the turbine rotor (6). The system further comprises a housing (3) which at least partly houses the turbine rotor (6), the shaft (4) and the electrical generator arrangement. The housing (3) comprises two parts (24, 25) that are releasably attached to one another such that the two parts (24, 25) of the housing (3) can be at least partly separated from one another to permit access to the turbine rotor (6) and the electrical generator system.



No. of Pages: 35 No. of Claims: 27

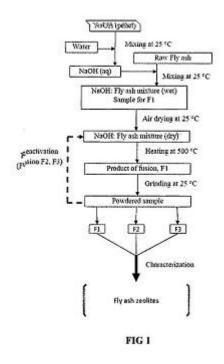
(22) Date of filing of Application :13/05/2014 (43) Publication Date : 27/11/2015

### (54) Title of the invention: A METHOD TO SYNTHESIZE FLY ASH ZEOLITE X FROM FLY ASH

(51) International classification	:C01B39/22	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :INDIAN INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY BOMBAY, POWAI MUMBAI 400076,
(86) International Application No	:NA	MAHARASHTRA, INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PROF. D N SINGH
(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 method to synthesize fly ash zeolite-X from fly ash. The method involves a three step fusion process (F1, F2 and F3) to form a highly porous product of the fly ash. The raw fly ash is dissolved with sodium hydroxide to provide contact between the two at a temperature of 500°C - 700°C. The mixture was also air dried (at 25°C) for 24 hours. To cause enhanced fusion of the two ingredients in the mixture, the experiment was carried out in three steps, each of 2 hours. For optimizing the alkali content in the mixture, NaOH/RFA ratio was varied from 0.2 to 1.4 (at an increment of 0.2). The present invention provides conversion of fly ash to a better grade of zeolite Na-X and Na-Y, which can sustain thermal exposure up to 700 °C.



No. of Pages: 23 No. of Claims: 14

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A SHAPE CONTROLLED PRO-CATALYST AND A PROCESS FOR PREPARING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08F10/00, C07C31/28, :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd FLOOR, MAKER CHAMBER-IV  222, NARIMAN POINT, MUMBAI-400021, INDIA Maharashtra
(86) International Application No	:NA	India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor :   1)GUPTA VIRENDRAKUMAR
<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	2)CHAUHAN SANJAY GOVINDBHAI 3)BHAJIWALA HIREN MANOJKUMAR 4)SAYYED SHAKIL SHABBIR 5)VAKIL SUKETU

#### (57) Abstract:

The present disclosure relates to a single-pot process for the preparation of a shape controlled pro-catalyst. The process comprises the steps of i. reacting at least one alkanol with magnesium metal using at least one modifier and optionally, at least one solvent resulting in evolution of hydrogen gas, increasing the evolution of the hydrogen gas in a controlled manner by increasing the temperature in a graded manner to 100 oC to obtain a mass, and ii. subjecting the mass to drying to obtain a free flowing pro-catalyst

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ACCESSING ENTERPRISE DATA

(51) T	110 41 20 (00	
(51) International classification	:H04L29/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai, Maharashtra 400021 Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)SHAH, Viral Prakash
(87) International Publication No	: NA	2)SHUKLA, Shobhit
(61) Patent of Addition to Application Number	:NA	3)AGRAWAL, Anurag
Filing Date	:NA	4)CHAUDHERY, Vikrant
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for accessing enterprise data is described herein. In an implementation, the method comprises receiving, by an application server (102), a login request from the user equipment (104), wherein the login request comprises login credentials corresponding to a user. Further, upon successful authentication of the user, user permissions corresponding to the user are ascertained based on one or more predetermined parameters. Further, a default application list is filtered based on the user permissions to obtain a user specific application list corresponding to the user, wherein the application list comprises a plurality of enterprise resource planning (ERP) modules, and wherein the user specific application list comprises one or more ERP modules from amongst the plurality of ERP modules. The method further comprises rendering the user specific application list to the user equipment (104) for providing access to data corresponding to the one or more ERP modules over the web browser.

No. of Pages: 25 No. of Claims: 13

(21) Application No.1701/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: NICKEL (0) CATALYZED KUMADA CHAIN TRANSFER POLYCONDENSATION

(51) International classification	:C08G61/12,B01J23/755	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :POWAI, MUMBAI 400076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KUMAR, ANIL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT Nickel (0) Catalyzed Kumada Chain Transfer Polycondensation The present invention relates to a process for preparation of stable Ni(0) catalyst and to a Kumuda Chain transfer polymerization process for preparation of regioregular conjugated polymer using the Ni(0) catalyst. The polymerization results in production of highly regoregular polymers wherein the regioregularity of the conjugated polymers can be controlled from 10% upto 100%.

No. of Pages: 36 No. of Claims: 7

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : PROCESS FOR GENERATING A MIXED MULTICOMPONENT VAPOR FOR PREPARATION OF MONOALKYL ETHERS OF DIPHENOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C07C41/09, B01D1/22, :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Camlin Fine Sciences Ltd. Address of Applicant: WICEL, Plot No. F/11 & 12, Opp. SEEPZ Main Gate, MIDC, Marol, Central Road, Andheri (East), Mumbai Maharashtra India (72)Name of Inventor: 1)Anil Purushottam Shanbhag 2)Arjun Sudhakar Dukane
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention comprises a process and a system thereof comprising apparatuses for developing multi-component vapor mixture by heating of solution of reactants comprising one or more of diphenols, or diphenol derivatives, and an organic compound, wherein the organic compound is one which upon reacting in a vapor state in presence of a catalyst with diphenols, or diphenol derivatives, produces a monoalkyl ether of a dihydric phenolic compound; and wherein the entire solution of reactants completely transforms into a super¬heated multi-component vapor using heaters without the use of thin film evaporator. The complete transformation of the entire solution of said reactants in to super-heated multicomponent vapor is achieved by heating the entire solution firstly by a preheater followed by further heating by a super-heater, further comprising removal of the unevaporated or condensed high boilers and tar to drain, and subjecting the superheated vapor to vapor phase reaction mediated by catalyst to get monoalkyl ether of a dihydric phenolic compound.

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A SYSTEM TO GENERATE HIGH POWER DENSITY DIELECTRIC BARRIER DISCHARGE PLASMA IN AMBIENT AIR MEDIUM

<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>	:H05H1/24 :NA :NA :NA	(71)Name of Applicant:  1)FCIPT, INSTITUTE FOR PLASMA RESEARCH Address of Applicant: A-10/B, GIDC, Electronics Estate, Sector 25 Gandhinagar 382016, India; Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAIN, Vishal
(87) International Publication No	: NA	2)VISANI, Anand
(61) Patent of Addition to Application Number	:NA	3)SANGHARIYAT, Adam
Filing Date	:NA	4)NEMA, Sudhir Kumar
(62) Divisional to Application Number	:NA	5)MUKHERJEE, Subroto
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides a system to generate high power density dielectric barrier discharge plasma in ambient air medium comprising: a step-up transformer having a primary input and a secondary output; a rotary switch and a capacitor electronically connected across the secondary of the transformer to generate high frequency ringing signals; a filter for filtering the high frequency ringing signals, said filter electronically connected to the secondary of the transformer; and a plasma discharge chamber having at least one pair of electrodes with a dielectric film on outer surface of at least one of each said at least one pair of electrodes, said electrodes being electronically connected to an output terminal of said filter to generate plasma, wherein the rotary switch controls the power density of the dielectric barrier discharge plasma. Further an aspect of present disclosure provides a method to generate high power density dielectric barrier discharge plasma in ambient air medium.

No. of Pages: 14 No. of Claims: 13

(22) Date of filing of Application :20/06/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD OF SELECTING A SIM FOR A LOCATION SERVICE AND MULTI-SIM DEVICE UTILIZING THE SAME

(51) International classification	:H04W8/18, H04W72/00	(71)Name of Applicant:
(31) Priority Document No	:14/259,498	1)MediaTek Inc.
(32) Priority Date	:23/04/2014	Address of Applicant :No. 1, Dusing Rd. 1st, Science-Based
(33) Name of priority country	:U.S.A.	Industrial Park, Hsin-Chu 300, Taiwan, R.O.C. Taiwan
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Wei-Feng SHIH
(87) International Publication No	: NA	2)Chih-Hung LEE
(61) Patent of Addition to Application	:NA	3)Ming LEE
Number		4)Yuh-Hwang YOU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of selecting a SIM for a location service and a multi-SIM device utilizing the same are disclosed. The method, adopted by a multi-SIM device, includes: acquiring Secure User Plane Location (SUPL) information from a corresponding communications network which each SIM is in connection with; determining which communications network supports a location service based on the SUPL information; and requesting the location service on a SIM that is in connection with the supported communications network.

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :28/03/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A FLIP TYPE SEAT ASSEMBLY

	.D.60N12/09	(71) Nome of Applicant
(51) International classification	B60N2/20	(71)Name of Applicant :   1)TATA MOTORS LIMITED
(31) Priority Document No	:NA	Address of Applicant :Bombay House, 24 Homi Mody Street,
` '	:NA	Hutatma Chowk, Mumbai 400 001, Maharashtra, India
(32) Priority Date		
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)PRITEE RAJESH JAMBHE
(87) International Publication No	: NA	2)MAHESH PRATAPRAO SHINDE
(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 provides a flip type seat assembly. The assembly comprises at least one bracket connected to a seat portion which acts as a seating member and a back rest portion, is pivotally connected to a first sliding member of the seating assembly. The first sliding member is connectable to a floor, wherein the at least one bracket is configured to flip the seat portion and the back rest portion assembly between a first position, and a second position. At least one first locking structure adapted to lock the seat portion in the first position, wherein the at least one first locking structure is configured to slide along the first sliding member. Further, at least one second locking structure adapted to lock the back rest portion which acts as a seating member in the second position, wherein the at least one second locking structure is configured to slide along the first sliding member. FIG. 1

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

(22) Date of filing of Application :06/05/2014 (

(43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD OF MAKING BIODEGRADABLE NATURAL FIBER COMPOSITE USING COW DUNG

	:C08L	(71)Name of Applicant:
(51) International classification	63/00,C08L	1)SAVITA DIXIT
	67/00	Address of Applicant :PROFESSOR, DEPARTMENT OF
(31) Priority Document No	:NA	CHEMISTRY, MANIT, BHOPAL-462051, MADHYA
(32) Priority Date	:NA	PRADESH, INDIA. Madhya Pradesh India
(33) Name of priority country	:NA	2)SANKALP DIXIT
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAVITA DIXIT
(87) International Publication No	: NA	2)SANKALP DIXIT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fibre composite, comprising naturally obtained fibres from coconut fruit, epoxy resin and cow dung (gobar). The fiber composite is prepared using compression molding technique by mixing coconut coir, epoxy resin and cow dung in a ratio according to the desired strength. The fibre composite is environment friendly and biodegradable as it is essentially derived from natural sources and thus is a green solution for wood and furnishing industry. The obtained composite material also has a high specific modulus and strength.

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

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: VERIFICATION OF A LASER LEVELING DEVICE FOR PROVIDING REFERENCE PLANES

<ul><li>(51) International classification</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>	:G01C5/00 :NA :NA :NA :PCT//	(71)Name of Applicant:  1)LUNAVIA Bipinkumar Nathalal Address of Applicant: A-1004, Gundecha Symphony, Veera Deasi Road, Andheri (W) Mumbai 400053 Maharashtra India 2)MEHRA Yogesh Jogindernath
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:01/01/1900 : NA :NA :NA :NA :NA	(72)Name of Inventor: 1)LUNAVIA Bipinkumar Nathalal 2)MEHRA Yogesh Jogindernath

#### (57) Abstract:

The present subject matter relates to verification of horizontalness or verticalness of laser beams produced by a laser leveling device (102). In one embodiment, a method for verification of the leaser leveling device (102) include directing a first laser beam onto tubes (104) which are in fluid connection with each other. The method further includes measuring a distance between a level of liquid in the tubes (104) and marked position of the first laser spot formed due to the first laser beam for each of the tubes (104). The method further includes determining a maximum deviation and comparing it with a first threshold value for determining whether the laser leveling device is fit for measuring horizontalness.

No. of Pages: 29 No. of Claims: 7

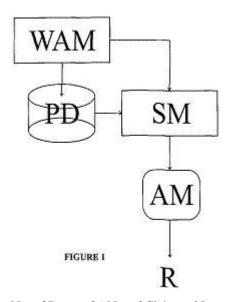
(22) Date of filing of Application :22/01/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AN ASSESSMENT SYSTEM AND METHOD FOR ASSESSING EDUCATIONAL INSTITUTES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06Q50/20,G06F17/30 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MANISHA MANOJ POTDAR  Address of Applicant:903, SILVEROAK, NYATI ENVIRON, LANE NO. 5, AIRPORT ROAD, VISHRANTWADI, PUNE 411015 MAHARSHTRA, INDIA Maharashtra India (72)Name of Inventor:  1)MANISHA MANOJ POTDAR
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

A virucidal disinfectant or antiseptic is disclosed comprising 45-65 wt% of at least one alcohol, and 0.05-0.5 wt% of at least one phosphonate. The pH should be adjusted to lie between 3 and 10. Such disinfectant/antiseptic can be used for disinfecting a living or a non-living object and exhibits activity against a broad range of microorganisms such as viruses, fungi and/or bacteria, in particular against naked viruses such as polio.



No. of Pages: 36 No. of Claims: 20

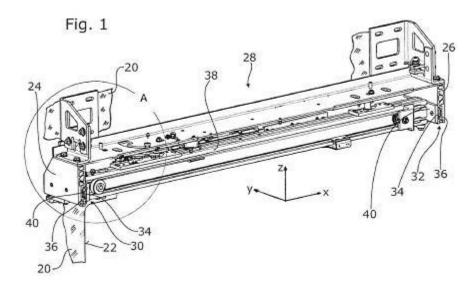
(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DOOR DRIVE WITH TWO-ROLLER TRANSVERSE GUIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	(71)Name of Applicant:  1)Gebr. Bode GmbH & Co. KG  Address of Applicant: Fahrzeugt 4rsysteme, Ochshuser Strae
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date (87) International Publication No</li> </ul>	:NA :NA :NA : NA	14, 34123 Kassel, Germany. Germany (72)Name of Inventor: 1)Andreas, PELLEGRINI 2)Ulrich, AREND
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	2) on ici, richi

#### (57) Abstract:

The invention relates to a door drive for at least one door wing in a vehicle, wherein the at least one door wing fills a portal opening (22) in a wall (20) of the vehicle with the door drive in the closed state, and is located in front of the wall (20) and at least largely outside the portal opening (22) in the open state, wherein an x-axis runs toward the front of the vehicle in the traveling direction, a y-axis runs at a right angle to the portal opening (22) in the leftward traveling direction, and a z-axis runs perpendicularly upward. The door drive exhibits: a) two lateral retaining parts (24, 26), which have fasteners for securing them to the wall (20), b) a movable arrangement (28) located between these retaining parts (24, 26) and the means for accommodating the at least one door wing, and c) a left transverse guide (30) and a right transverse guide (32), which each are situated between the movable arrangement (28) and a lateral retaining part (24, 26), and enable a transverse movement in the y-direction, and thus transverse to the portal opening (22), wherein - one of the two transverse guides (30 or 32) is movably joined with the movable arrangement (28) and/or the adjacent retaining part (24 or 26) and/or itself enables an intrinsic relative movement, and at least one roller (34) and an accompanying profile rail (36) that runs in the y-direction, - the other transverse guide (30, 32) is designed as a locating bearing, which exhibits two rollers (34) and an accompanying profile rail (36) that runs in the y-direction. Figure 1 is the representative figure.



No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :22/01/2013 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ISOLATION OF CARBAZOLE ALKALOIDS FROM MURRAYA KOENIGII LEAVES

<ul> <li>(51) International classification</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>	A61k36/00 :NA	(71)Name of Applicant:  1)MRS. MRINAL MANOJ SANAYE  Address of Applicant: 404, NEBULA-C, COSMOS  PARADISE, DEVDAYA NAGAR, THANE (WEST), THANE -  400606 Maharashtra India  2)DR. MADHUSUDAN NATVARLAL SARAF
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MRS. MRINAL MANOJ SANAYE
(61) Patent of Addition to Application Number	:NA	2)DR. MADHUSUDAN NATVARLAL SARAF
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention deals with an efficient method of extraction of Carbazole alkoloids including mahanimbine from the leaves of Murraya koenigii and the use the extract as an anti-stress agent .The method of extraction comprises of steps of drying and powdering the leaves of Murraya koenigii, extraction with Methanol, acidifying, evaporating, adjusting the pH, subjecting the filtrate to liquid extraction with Methyl isobutene and collecting and concentrating the alkaloid phase by chromatography etc.

No. of Pages: 17 No. of Claims: 4

(22) Date of filing of Application :05/02/2014

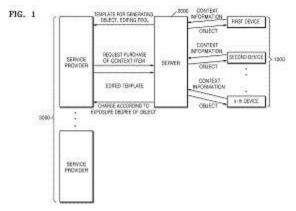
(43) Publication Date: 27/11/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR PROVIDING OBJECT VIA WHICH SERVICE IS USED

(51) International classification	:G06F17/30, G06Q50/10	(71)Name of Applicant: 1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	:10-2013- 0013489	Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea Republic of
(32) Priority Date	:06/02/2013	Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor: 1)Jae-young LEE
(86) International Application No	:NA	2)Jong-hyun RYU
Filing Date	:NA	3)Yong-gook PARK
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 41		

## (57) Abstract:

Provided are a system and method for providing an object via which a service is used. A server for providing at least one device with an object via which a service provided by a service provider is used includes: a template providing unit configured to provide the service provider with a first template which is used in generating the object, wherein the object is not installed in the device but is displayed on a screen of the device via a host program of the device; a template receiving unit configured to receive, from the service provider, a second template that is generated by the service provider by editing the first template; a template storing unit configured to store the received second template; and an object generating unit configured to generate, using the stored second template, the object via which the service provided by the service provider is used.



No. of Pages: 87 No. of Claims: 15

(21) Application No.1636/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A PROCESS FOR PREPARATION OF TRANS-SULFURIC ACID MONO- $\{2-[5-(2-METHYLAMINO-ETHYL)-[1,3,4]-OXADIAZOL-2-YL]-7-OXO-1,6-DIAZA-BICYCLO [3.2.1]OCT-6-YL\}$ ESTER

:A61K31/439, C07D471/08, (71)Name of Applicant : (51) International classification (31) Priority Document No 1)WOCKHARDT LIMITED :NA (32) Priority Date :NA Address of Applicant :D-4, MIDC Area, Chikalthana, (33) Name of priority country Aurangabad Maharashtra India :NA (86) International Application No :PCT// (72) Name of Inventor: :01/01/1900 Filing Date 1) Wankhede, Karuna Suresh 2) Bhawsar, Satish (87) International Publication No : NA (61) Patent of Addition to Application :NA 3)Deshpande, Prasad Keshav Number 4) Yeole, Ravindra Dattatraya :NA Filing Date 5)Patel, Mahesh Vithalbhai (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A process for preparation of compound of Formula (I) is disclosed.

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

(21) Application No.1637/MUM/2014 A

(19) INDIA

(22) Date of filing of Application: 14/05/2014 (43) Publication Date: 27/11/2015

 $(54) \ Title \ of the invention: PROCESS \ FOR \ THE \ PREPARATION \ OF \ (5S)-N-\{3-[3,5-DIFLUORO-4-(4-HYDROXY-4-METHOXYMETHYL-PIPERIDIN-1-YL)-PHENYL]-2-OXO-OXAZOLIDIN-5-YLMETHYL\}-ACETAMIDE$ 

(51) International (71)Name of Applicant: :C07D413/10, C07D495/10, C07D413/14, classification 1)WOCKHARDT LIMITED (31) Priority Document :NA Address of Applicant :D-4, MIDC Area, Chikalthana, Aurangabad Maharashtra India (72) Name of Inventor: (32) Priority Date :NA (33) Name of priority 1)Patil, Vijaykumar Jagdishwar :NA country 2)Logananthan, V. (86) International :PCT// Application No :01/01/1900 Filing Date (87) International : NA **Publication No** (61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(57) Abstract:

A process for preparation of compound of Formula (I) is provided.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ROW UNIT ADJUSTMENT SYSTEM FOR A HARVESTING VEHICLE AND METHOD THEREOF

(51) International classification	:A01B 23/00, A01B 73/00	,
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)BHUVANESWAR SINGH
(33) Name of priority country	:NA	2)SOURABH SRIVASTAVA
(86) International Application No	:NA	3)R.B.ARVIND GANJOO
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	
(F7) A1		

## (57) Abstract:

A single row unit cotton picker (1) in which row unit (13) placed in toolbars (18, 19) can shift laterally with actuation from operator station (30) once a row is finished and before the start of adjacent row which comprises a front toolbar (18), rear toolbar (19), front hanger (14) with rollers (20a) and rear hanger (15) with rollers (20b) and hydraulic toolbar cylinder (11). The row unit (13) is attached to front toolbar (18) and rear toolbar (19) by at least two hangers, front hanger (14) and the rear hanger (15). The hangers (14, 15) are provided with rollers (20a, 20b) that move on toolbars (18, 19). A hydraulic toolbar cylinder (11) having two ends wherein one fixed end (21) is attached to said front toolbar (18) and the second end/rod end (22) slides with the front hanger (14) and is attached with the front hanger (14) disposed on the front toolbar (18). The hydraulic toolbar cylinder (11) is actuated by the user and the rollers (20a, 20b) help the row unit (13) to slide on toolbars (18, 19) for different row setting based on agronomic practices.

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

(22) Date of filing of Application :24/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR PASSIVE CONTROL OF CONNECTED DEVICE BASED ON INFERRED STATE OR BEHAVIOR FROM WEARABLE OR IMPLANTED SENSORS

(51) International classification 3.	/00, 606F	(71)Name of Applicant:  1)Reliance Jio Infocomm Limited Address of Applicant: 3rd Floor, Maker Chamber-IV, 222,
		Nariman Point, Mumbai- 400021, Maharashtra, India Maharashtra India
(= / = -3)	NA	(72)Name of Inventor:
` '	NA	1)Vishal Rajani
(86) International Application No :1	NA	•
Filing Date :1	NA	
(87) International Publication No :	NA	
(61) Patent of Addition to Application Number :1	NA	
Filing Date :1	NA	
(62) Divisional to Application Number :1	NA	
	NA	

## (57) Abstract:

A convenient, economical and efficient system and method for passive control of connected devices in an ecosystem is disclosed. The system includes transreceiver module, configuration module along with sensor array for sensing state information of a user, wherein the sensor array is communicatively coupled to a number of connected devices. The system is configured to control connected devices based on inferred state or behavior from sensor data extracted from the trans-receiver module associated with the user.

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

(21) Application No.812/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : MOUNTING SCHEME OF TRIMS ON FRAME/CRADLE FOR INVISIBILITY OF CNG CYLINDERS IN PASSENGER VEHICLES

(51) International classification	:F17C13/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA MOTORS LIMITED
(32) Priority Date	:NA	Address of Applicant :Bombay House, 24 Homi Mody Street,
(33) Name of priority country	:NA	Hutatma Chowk, Mumbai 400 001 Maharashtra, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ABHYANKAR UMESH L
(61) Patent of Addition to Application Number	:725/MUM/2009	2)PATIL T A
Filed on	:25/03/2009	3)KAMBLE GANPATI RAMA
(62) Divisional to Application Number	:NA	4)NIKAM PRAVIN M
Filing Date	:NA	

## (57) Abstract:

A CNG cylinder mounting arrangement for a vehicle comprises a mounting frame that is assembled with horizontal frame members and vertical frame members. The mounting frame is integrated to the vehicle seat and fastened to long members of the vehicle. At least one CNG cylinder is fixed and covered with the horizontal frame members and the vertical frame members of the mounting frame. The CNG cylinder is secured to the mounting frame, which is disposed underside of the vehicle seat without affecting the driving functionality of the vehicle. Such mounting arrangement provides safety during collision, overturning and protection against loose metal or object being thrown up from the road.

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A SHAPE CONTROLLED PRO-CATALYST AND A SINGLE POT PROCESS FOR PREPARING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:C08F10/00, C07C31/28, :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT, MUMBAI-400021, INDIA Maharashtra India
(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	:NA :NA :NA :NA :NA :NA	(72)Name of Inventor: 1)GUPTA VIRENDRAKUMAR 2)CHAUHAN SANJAY GOVINDBHAI 3)BHAJIWALA HIREN MANOJKUMAR 4)SAYYED SHAKIL SHABBIR 5)VAKIL SUKETU

#### (57) Abstract:

The present disclosure relates to a single-pot multi step process for the preparation of a shape controlled pro-catalyst. The process comprises the steps of: i. reacting magnesium metal and at least one alkanol to obtain spheroidal magnesium alkoxide; ii. treating the spheroidal magnesium alkoxide with at least one transition metal tetrahalide, at least one organic modifier, and optionally, at least one in-organic modifier in the presence of at least one solvent to obtain a reaction mixture; iii. cooling, settling the reaction mixture and decanting the supernatant; iv. adding at least one transition metal tetrahalide, at least one solvent and optionally, at least one organic or inorganic modifier; and v. iterating steps (iii) and (iv) to obtain the shape controlled pro-catalyst

No. of Pages: 28 No. of Claims: 17

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: AUTOMATIC CALL CONTROL METHOD FOR SELECTION OF CALL APPROACHES

(51) International classification	:H04M1/725, H04M1/253	(71)Name of Applicant :
(31) Priority Document No	:14/262,974	1)MEDIATEK INC.
(32) Priority Date	:28/04/2014	Address of Applicant :NO. 1, DUSING RD. 1ST, SCIENCE-
(33) Name of priority country	:U.S.A.	BASED INDUSTRIAL PARK, HSIN-CHU 300, TAIWAN,
(86) International Application No	:NA	R.O.C. Taiwan
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHU-HUEI YANG
(61) Patent of Addition to Application	:NA	2)TANG-TE LO
Number	:NA	3)PENG-AN CHEN
Filing Date	.NA	4)YU-REN KE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An automatic call control method includes the steps of: receiving a mobile terminated call; checking whether the mobile terminated call matches a call rule; and if the mobile terminated call matches the call rule, rejecting the mobile terminated call, and then performing a callback according to a predetermined call approach corresponding to the call rule.

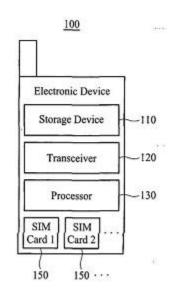


FIG. 1

No. of Pages: 25 No. of Claims: 15

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PASSENGER DOOR FOR PUBLIC TRANSPORT VEHICLES WITH LINEAR GUIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)Gebr. Bode GmbH &amp; Co. KG     Address of Applicant: Fahrzeugt 4rsysteme, Ochshuser Strae</li> <li>14, 34123 Kassel, Germany. Germany</li> <li>(72)Name of Inventor:</li> <li>1)Andreas, PELLEGRINI</li> <li>2)Ulrich, AREND</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention pertains to a passenger door for public transport vehicles, comprising at least one door leaf that can be displaced in the longitudinal direction of the vehicle and is suspended, as well as displaceably guided, in a supporting guide, wherein the supporting guide features a linear guide with at least one guide rail (30; 31), on which a runner with a guide block (40; 41) is guided, and wherein the door leaf is suspended on said guide block by means of a bracket. The invention is characterized in that the linear guide features a recirculating ball bearing that comprises two channels (KL1; KL2) formed within the runner and two channels formed by first raceways (LL1 ... LL4) within the runner and second raceways (LS2 ... LS4) within the guide rail (30), wherein two rows of balls (K1; K2) are guided in said channels and absorb the working load between the stationary guide rail (30) and the runner that can be moved plane-parallel thereto and carries the guide block (40; 41). A relative motion between the runner and the guide rail (30) causes each row of balls (K1; K2) to be guided back into a channel (K1; K2) in the runner at the end of the raceways (LL1 ... LL4; LS1 ... LS4) by means of a first pair of deflection guides (37) and to be once again guided between the raceways (LL1 ... LL4; LS1 ... LS4) at the end of the respective channel (K1; K2) by means of a second pair of deflection guides, wherein the deflection planes (X1; X2) of each pair of deflection guides extend at an angle ( $\hat{1}\pm$ ;  $\hat{1}^2$ ) to the plane (Y) defined by the raceways (LL1 ... LL4; LS1 ... LS4) and intersect one another. The deflection guides (37) are arranged behind one another in respective guide caps (33; 34; 35; 36) that are attached to the two ends of the runner in pairs and consist at least partially of a fibre-reinforced plastic. Figure 5 is the representative figure.

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

(21) Application No.1628/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HYDRAULIC POWERTRAIN LUBRICATION

	E01345 (00	
(51) International classification	:F01M5/00, F01M1/02.	(71)Name of Applicant :   1)MAHINDRA & MAHINDRA LIMITED
(31) International classification	F01M1/02,	Address of Applicant :Gateway Building, Apollo Bunder,
(31) Priority Document No	:NA	Mumbai 400001, Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GOMES MAXSON CASTER
(86) International Application No	:PCT//	2)DESHMUKH SUDHIR SAMBHAJI
Filing Date	:01/01/1900	3)SAVANT KEDARNATH DATTATRAY
(87) International Publication No	: NA	4)WAGHODE RAMESH ARJUN
(61) Patent of Addition to Application Number	:NA	5)DHOKA SANJAY ZUMBARLAL
Filing Date	:NA	6)THOKAL MILIND DINKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT HYDRAULIC POWERTRAIN LUBRICATION The lubrication system of the present invention comprises a distribution unit and a lubricant splasher. The distribution unit includes an inlet port for receiving a hydraulic fluid which is distributed to a left hand outlet port, a right hand outlet port and a bottom outlet port. The lubrication spalsher has a first end and a second end such that the lubricant splasher is lockingly connected at a predetermined position to the distribution unit through the first end. The lubricant splasher receives the hydraulic fluid from the bottom outlet port and sprays it on a plurality predefined parts of the power train such as a rocker arm, a rockshaft, a lift arm and a joint between the connecting rod and the rocker arm. Ref. Fig. Figure 4

No. of Pages: 18 No. of Claims: 9

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: REGENERATION OF SULPHONIC ACID CATALYST IN ESTERIFICATION PROCESS.

(51) International classification	:B01J39/04, B01J39/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)OZA ATULKUMAR BHANUSHANKAR
(32) Priority Date	:NA	Address of Applicant :STREET NO 20, QTR. NO.3, GNFC
(33) Name of priority country	:NA	TOWNSHIP, NARMADANAGAR, BHAUCH, PIN-392015,
(86) International Application No	:NA	GUJARAT, INDIA Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)OZA ATULKUMAR BHANUSHANKAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process for refining esterification reaction by contacting it with cationic ion exchange resin to regenerate paratoluene sulphonic acid from paratoluene sulphonic acid salts.

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :23/05/2014

(43) Publication Date: 27/11/2015

## (54) Title of the invention: AN APPARATUS FOR PYROLYSIS OF POLYMER WASTE AND THE PROCESS 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> </ul>	:C10B 53/00, C10B 47/00 :NA :NA :NA :PCT// :01/01/1900 : NA :NA	(71)Name of Applicant: 1)Suhas Dixit Address of Applicant: A-7, Sukalp CHS, Plot No. 36 Sector 11, Kharghar, Navi Mumbai Maharashtra, India Maharashtra India (72)Name of Inventor: 1)Suhas Dixit
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

[0080] The present invention describes a pyrolysis apparatus for energy recovery from polymer wastes including waste tires or waste plastics. The apparatus processes the low density plastic waste segregated from municipal solid waste or waste paper mills. The pyrolysis apparatus has airlock waste plastic or tire feeding system. The horizontal pyrolysis reactor (104) has carbon removal screw (403) welded to the reactor shell (301) to ensure smooth discharge of carbon. This pyrolysis reactor (104) and carbon removal screw (403) is heated using common hot air jacket (303). After carbon discharge from the pyrolysis reactor (104), carbon is cooled by ingenious carbon cooling conveyor for safe discharge of carbon. The apparatus requires low man power with reduced maintenance and gas emissions released are zero discharge technology without any harmful impact on the environment.

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

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SOLVENT LESS METHOD FOR PREPARATION OF 1, 2, 3-SELENADIAZOLES

(51) International classification	:C07D421/04, C07D293/04, A61K31/41,	(71)Name of Applicant: 1)DEFENCE INSTITUTE OF ADVANCED
(31) Priority Document No	:NA	<b>TECHNOLOGY, (DEEMED UNIVERSITY)</b> Address of Applicant :Girinagar, P.O, Pune 411025,
(32) Priority Date	:NA	Maharashtra, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor : 1)Pawan Kumar Khanna
(86) International Application No Filing Date	:PCT// :01/01/1900	2)Aditi Annarao Jadhav 3)Vaishali Dhanwe
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

ABSTRACT TITLE.: SOLVENT LESS METHOD FOR PREPARATION OF 1, 2, 3-SELENADIAZOLES The present invention provides a solvent-less method for preparation of 1, 2, 3-Selenadiazole that produces purified 1,2,3-selenadiazole product having a yield in a range of about 40 % to 50 % in a reaction time that is in a range of about 2 to 3 hours. The, 1, 2, 3-selenadiazole product of the present invention is synthesized from cyclic aliphatic ketones, acetophenones, open chain ketones, aromatic ketones and the like which acts as an important precursor for development of metal selenides, quantum dots and magic sized nanocrystals. Ref. FIG. 1

No. of Pages: 36 No. of Claims: 7

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

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METAL ALKOXIDE AND A PROCESS FOR ITS PREPARATION

(51) International classification (31) Priority Document No	:C07D409/12, C07C233/87 :NA	1)RELIANCE INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :3rd FLOOR, MAKER CHAMBER-IV
(33) Name of priority country	:NA	222, NARIMAN POINT, MUMBAI-400021, INDIA Maharashtra
(86) International Application No	:PCT//	India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)GUPTA VIRENDRAKUMAR
(61) Patent of Addition to Application	:NA	2)THAKARE YOGESHWAR NARAYANRAO
Number	:NA	3)DESAI BHAVESH KIRITBHAI
Filing Date		4)VAKIL SUKETU
(62) Divisional to Application Number		
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to microporous magnesium alkoxide and its preparation. The magnesium alkoxide of the present disclosure is characterized by mean particle size ranging from 20 to  $70\mu$ ; surface area ranging from 1 to 30m2/g; circularity ranging from 0.5 to 0.9; macro pore size distribution ranging from 40 to 80%; meso pore size distribution ranging from 15 to 60%; and micro pore size distribution ranging from 2 to 10%.

No. of Pages: 13 No. of Claims: 7

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A ZIEGLER-NATTA CATALYST COMPOSITION AND A PROCESS FOR ITS PREPARATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:NA :NA :NA :PCT// :01/01/1900 : NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT, MUMBAI-400021, INDIA Maharashtra India (72)Name of Inventor:  1)GUPTA VIRENDRAKUMAR 2)THAKARE YOGESHWAR NARAYANRAO 3)DESAI BHAVESH KIRITBHAI
Number Filing Date	:NA	3)DESAI BHAVESH KIRITBHAI 4)VAKIL SUKETU
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present disclosure relates to a Ziegler-Natta catalyst composition comprising: i. at least one pro- catalyst comprising: a morphologically modified magnesium alkoxide as a support; at least one titanium halide; at least one first internal donor and at least one second internal donor; and at least one inert hydrocarbon medium, ii. at least one organo-aluminum compound as a co-catalyst; and iii. at least one external donor comprising an organo-silane compound and a carboxylic acid ester. The present disclosure also relates to a process for the preparation of the Ziegler-Natta catalyst composition

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

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

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A POLYOLEFIN AND A PROCESS FOR PREPARING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:01/01/1900	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT, MUMBAI-400021, INDIA Maharashtra India (72)Name of Inventor: NA Address of Inventor: NA
* *	:NA	
Number Filing Date	:NA :NA	

## (57) Abstract:

The present disclosure relates to a polyolefin characterized by melt flow index ranging from 1 and 100 g/10min; tacticity ranging from 97 and 99.5%; and porosity ranging from 0.1 to 0.4cm3/g. The present disclosure also relates to a simple and economic method for preparing the polyolefin.

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

(21) Application No.1625/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : ORAL COMPOSITIONS AND PROCESSES FOR PREPARING DIFFERENT DOSAGE FORMS COMPRISING OF CONTROLLED RELEASE MULTI UNIT PARTICULATE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)MR. MUNDADA PIYUSH KISHOR  Address of Applicant: PHARMACY DEPARTMENT, FACULTY OF TECH. & ENGG., THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, P.B. NO. 51, KALABHAVAN, VADODARA-390001, GUJARAT, INDIA. Gujarat 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	2)MRS. MUNDADA VEENU PIYUSH 3)DR. (MRS.) SAWANT KRUTIKA KHANDERAO (72)Name of Inventor: 1)MR. MUNDADA PIYUSH KISHOR 2)MRS. MUNDADA VEENU PIYUSH 3)DR. (MRS.) SAWANT KRUTIKA KHANDERAO

## (57) Abstract:

Disclosed are oral compositions and dosage forms comprising of controlled release multi unit particulate systems for drugs with high dose or for those drugs which need to be administered frequently or in conditions wherein the patient suffers from dysphagia or in case where the patient has difficulty/ inability of swallowing. The processes for making such dosage forms are also revealed.

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

(21) Application No.1627/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SYSTEM FOR ADVANCED SEWAGE TREATMENT AND RECOVERY & RECYCLING

(51) International classification	:C01D1/28, C02F9/14,	(71)Name of Applicant: 1)WYTEWATER TECHNOLOGIES PVT LTD.
	C01D3/04,	Address of Applicant :401-404, Wing A-1, Pawan Appt.,
(31) Priority Document No	:NA	Pashan-Sus Rd., Sai Chowk Pashan, Pune - 411 021, Maharashtra,
(32) Priority Date	:NA	India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)THIRUMAL CHANDRAN
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system (100) for treatment of sewage, recovery and recycling containing biodegradable and non-biodegradable pollutants is disclosed. The system (100) comprises a primary treatment means for separating suspended inorganic and organic matter from the sewage/effluent, a secondary treatment means for settling and separating suspended solids to obtain a clarified sewage/effluent, and a tertiary treatment means for treating the clarified sewage/effluent to provide clear, disinfected and reusable sewage/effluent. The tertiary treatment means include an oxidation reactor (125) in operative communication with a radiation unit (129), where the clarified sewage/effluent is oxidized in the oxidation reactor (125) and the oxidized sewage/effluent is conveyed through the radiation unit (129) for exposing to UV radiations to effect oxidation and break-down of complex organic molecules in the effluent to produce treated sewage/effluent having set standards.

No. of Pages: 19 No. of Claims: 13

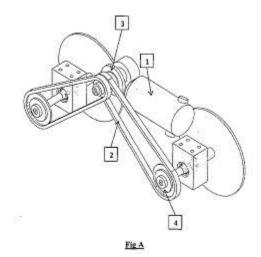
(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FOUR WHEEL DRIVE AUTOMISED WHEEL CHAIR/CART

<ul> <li>(51) International classification</li> <li>(31) 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>	: F16D63/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)SAGAR P. DALVI Address of Applicant:ROW HOUSE NO.8, NARHARI GARDEN, GADIA VIHAR ROAD, AURANGABAD, MAHARASHTRA 431005 Maharashtra India (72)Name of Inventor:  1)SAGAR P. DALVI
<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:

Patent application is related to wireless four wheel drive automised electric wheel chair/cart. The concept have used is to get drive by four wheels by using just two motors as input on power source. The application describes this mechanism to make this possible it also explains a smart and handy method to assembling the chair/cart which makes it very convenient for transportation. Also the assembly arrangement is seen that theperson/material placed on chair/cart will automatically adjust its possition, with respect to the ground. So it will always in safe for the person/material, placed over the chair/cart



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

(21) Application No.1641/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A STABLE LYOPHILIZED INJECTION OF ATRACURIUM BESYLATE

Number :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	:NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA	(71)Name of Applicant:  1)NEON LABORATORIES LIMITED  Address of Applicant: Damji Shamji Industrial Complex, Mahakali Caves Road, Andheri (East), Mumbai - 400093, Maharashtra, India. Maharashtra India (72)Name of Inventor:  1)JOSHI, Neeta 2)CHAUHAN, Neeraj
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## (57) Abstract:

Disclosed herein is stable freeze dried composition of atracurium besylate which comprises atracurium besylate; an acid to adjust the pH and polyvinyl Pyrolidone.

No. of Pages: 13 No. of Claims: 14

(21) Application No.1647/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ENERGY BYPASS

(51) International classification	:H01H67/02, H01H9/30	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CONTROL TECHNIQUES LTD
(32) Priority Date	:NA	Address of Applicant :The Gro, Pool Road, Newtown SY16
(33) Name of priority country	:NA	3BE United Kingdom U.K.
(86) International Application No	:PCT// /	(72)Name of Inventor:
Filing Date	:01/01/1900	1)BATERIWALA Priyank Nareshchandra
(87) International Publication No	: NA	2)RAUT Dilesh Arvind
(61) Patent of Addition to Application	:NA	3)BABURAJ Rajkumar
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An energy bypass circuit for connection between an energy source and a capacitance has first and second relays, a switch, and a resistance. The relays are operable so as to have a first state in which the energy source is not connected to the capacitance, a second state in which the energy source is connected to the capacitance via the resistance, and a third state in which the energy source is connected to the capacitance not via the resistance. The switch is operable, when the relays are in the third state, to enable additional charge stored by the capacitance to discharge via the resistance.

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

(22) Date of filing of Application :21/01/2013 (43) Publication Date : 27/11/2015

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

(51) International classification	:C07D279/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CENTAUR PHARMACEUTICALS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :CENTAUR PHARMACEUTICALS
(33) Name of priority country	:NA	PVT. LTD. CENTAUR HOUSE, SHANTI NAGAR, VAKOLA,
(86) International Application No	:NA	SANTACRUZ (E), MUMBAI 400055. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. ANIL MAHADEV NAIK
(61) Patent of Addition to Application Number	:NA	2)DR. SHRIKANT DATTATRAYA SAWANT
Filing Date	:NA	3)MR. MILIND P. PAWAR
(62) Divisional to Application Number	:NA	4)DR. PRABHAKAR L. KAMAT
Filing Date	:NA	

# (57) Abstract:

A cost effective with commercially viable process for Isonipecotamide provided by catalytic hydrogenation of isonicotinamide in presence of platinum group elements on carbon formed by reacting palladium with organochlorine, in alcohol solvents at a temperature in the range of 25-50 °C, and isolates the product In non-polar solvents.

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

(21) Application No.2051/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: VIRTUALIZED HOST ID KEY SHARING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:13/930,308 :28/06/2013	
Filing Date	:NA	1)WALKER, WILLIAM T.
(87) International Publication No	: NA	2)BIYANI, AABHA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In virtualized environments a method of determining authorization to a resource cannot use a hardware specific identifier, such as a MAC address. As a result upgrading a virtual host may cause licenses associated with that host to be invalid, even though the upgraded virtual host should be authorized. Authentication methods and systems are disclosed such that a key may be shared with a second host along with a license file and, provided at least the second host has a key associated with its system identifier and a key associated with a license file, access to a licensed resource may be authorized.

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

(21) Application No.1602/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43)

(43) Publication Date: 27/11/2015

# (54) Title of the invention: A PROCESS FOR DYEING FIBERS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	:D06P1/653, D06P3/24, D06P1/00 :NA :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED Address of Applicant: 3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai-400021, Maharashtra, India. Maharashtra India (72)Name of Inventor: 1)MANE BHALCHANDRA RAMCHANDRA 2)THANDAYUTHAPANI KARUNANITHI 3)ARORA TEJINDER KUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present disclosure provides a process for dyeing a plurality of polymer filaments. The dyeing of the plurality of polymer filaments is carried out while the polymer filaments are being drawn. The process of the present disclosure is designed in such a way that it ensures high speed and high productivity of the draw machine. The process of the present disclosure is cost effective. The process of the present disclosure is environment friendly.

No. of Pages: 25 No. of Claims: 12

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR BACTERIAL REDUCTION OF GRAPHENE OXIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C12R1/02, A61L27/54, C01B31/04 :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 Maharashtra India (72)Name of Inventor: 1)Prof. Dhirendra Bahadur 2)Prof. Ajay S. Panwar 3)Prerna Bansal 4)Sejal N. Doshi
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

The present invention provides a method for reducing graphene oxide and more specifically it provides a method for bacterial reduction of graphene oxide.

No. of Pages: 32 No. of Claims: 11

(21) Application No.1571/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PREPARATION AND FUNCTIONALIZATION OF CARBON NANO ONIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	14/415 :NA :NA	Address of Applicant :Powai, Mumbai 400076, Maharashtra, India Maharashtra India
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor : 1)Prof. Dhirendra Bahadur
Filing Date	:NA	2)Prof. Mohammed Aslam
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	3)Arijit Mitra 4)Jeotikanta Mohapatra
Filing Date	:NA	4)Jeoukanta wionapatra
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to Carbon Nano-Onions (CNOs) of mean size 24-48 nm synthesized by an energy efficient, simple and inexpensive combustion technique. The present invention also relates to a method for functionalizing CNOs with platinum to form platinum functionalized CNOs

No. of Pages: 36 No. of Claims: 22

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HYDROPHILIC MATRIX BEADLET COMPOSITIONS WITH ENHANCED BIOAVAILABILITY

	· 161V	(71)Name of Applicant:
(51) Y	9/00,	1)OMNIACTIVE HEALTH TECHNOLOGIES LTD.
(51) International classification	A61K	Address of Applicant :OMNIACTIVE HEALTH
	31/00	TECHNOLOGIES LTD. RAJAN HOUSE, APPASAHEB
(31) Priority Document No	:NA	MARATHE MARG, PRABHADEVI, MUMBAI-400025,
(32) Priority Date	:NA	MAHARASHTRA, INDIA Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. JAYANT DESHPANDE
Filing Date	:NA	2)SUBHRANGSU SENGUPTA
(87) International Publication No	: NA	3)PRAVIN NALAWADE
(61) Patent of Addition to Application Number	:NA	4)SWAPNIL KHAMBORKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The instant invention provides hydrophilic matrix beadlet compositions comprised of at least one fat soluble nutrient and effective amount of cellulose polymer with low viscosity. The invention also provides a process for the preparation of the said hydrophilic matrix composition by employing fluid bed system or extrusion spheronization technique. This hydrophilic matrix beadlet composition is comprised of at least 5% to about 25% carotenoid wherein free lutein is present in combination with zeaxanthin. The free flowing nature of said composition allows it to be compressed into tablets or to be filled into two piece capsules or blend as dry premix for beverage applications. These hydrophilic matrix compositions exhibit desired dissolution characteristics and at least 1.6 times more bioavailability as compared with the marketed reference formulations containing modified starch, thus making it advantageous for nutraceutical applications.

No. of Pages: 30 No. of Claims: 14

(21) Application No.1575/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

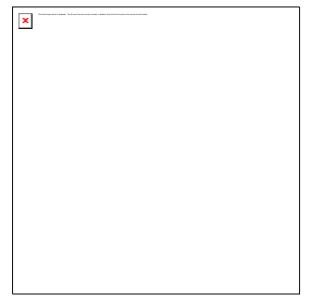
(43) Publication Date: 27/11/2015

# (54) Title of the invention: A Gift Box

(51) International classification	:A61K 31/7076	(71)Name of Applicant:
(21) D N.		1)Parksons Packaging Ltd.
(31) Priority Document No	:NA	Address of Applicant :Gate no. 357/77,79,81, Chakan-
(32) Priority Date	:NA	Talegaon Road, Kharabwadi, Tal: Khed, Chakan, Pune
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Pulkesh P. Gunaicha
(87) International Publication No	: NA	2)AMIT RAJ RANJAN
(61) Patent of Addition to Application Number	:NA	3)Nikhil Krishnan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A gift box is described. The blank of the gift box has a top panel having a personalized message portion defined within a plurality of perforation lines and a transparent portion that is defined when the personalized message portion is torn along the plurality of perforation lines. A transparent panel made of a transparent material covers the transparent portion. The gift box further has an integral tearable insert portion that can further personalize the gift message and a glue portion that acts as a tamper proof mechanism.



No. of Pages: 18 No. of Claims: 4

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: DUMPER PUSH-PULL CONVEYOR SYSTEM

(51) International classification	67/00, B65G 47/00	(71)Name of Applicant: 1)MATHEW ZAKARIAHS Address of Applicant: A-302, EVENING STAR, RAHEJA VIHAR COMPLEX, CHANDIVALI, MUMBAI-400072, INDIA.
(31) Priority Document No	:NA	Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MATHEW ZAKARIAHS
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a dumper push-pull conveyor system. In one embodiment, the dumper push-pull conveyor system comprises a first module (A). The first module (A) further comprises a first set of pushing units (6) engageable with a first cross bar (55) of a dumper, wherein a nearest pushing unit (6) from amongst the first set of pushing units (6) is configured to engage with the first cross bar (55) from a front side of the dumper. The first module (A) further comprises means to push or pull the dumper on the first module (A), wherein the nearest pushing unit (6) from amongst the first set of pushing units is configured to disengage with the first cross bar (55) when the dumper reaches towards the end of the first module (A).

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

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention : Pharmaceutically acceptable dosage form comprising release of multiple drugs from single oral dosage form

(51) International classification	:A61K 9/00, A61K 31/00	(71)Name of Applicant:  1)FTF Pharma Private Limited  Address of Applicant: 505 SAFAL PRELUDE •, Opp.
(31) Priority Document No	:NA	Prahaladnagar AUDA Garen, Satelite, Ahmedabad 15, Gujarat,
(32) Priority Date	:NA	India Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)Jayanta Kumar Mandal
Filing Date	:01/01/1900	2)Deepak Maheshwari
(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) 41		•

# (57) Abstract:

Present invention relates to a pharmaceutically acceptable dosage form covering multiple drug in one capsule wherein one of these drugs is tetracycline. In the present invention current dosage form tetracycline is in tablet form filled in the capsule. Additionally this dosage may also comprise multiple release of drug.

No. of Pages: 12 No. of Claims: 10

(21) Application No.1665/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :18/05/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention: To improve the mileage of petrol

(31) Priority Document No :NA (32) Priority Date :NA Ti (33) Name of priority country :NA (72)	1)Mr. Shreyans Randhelia Address of Applicant: Singhai Brothers Kerosene Dealers Filakganj Sagar Madhya Pradesh India
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## (57) Abstract:

When petrol is blended with a special mixture of naphthalene and odonil, its density can be increased. This further result in improving the mileage of the blended petrol.

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

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : COMPOSITIONS AND METHOD OF REDUCING AND REMOVAL OF KIDNEY, URETER AND BLADDER STONES

(51) International classification	:A61k9/00, A61K33/06, A61P13/12	(71)Name of Applicant:  1)DR. KISHORI GANPAT APTE  Address of Applicant: S.NO. 36/1/1, M.N. 199 VADGAON
(31) Priority Document No	:NA	KHURD, SINHAGAD ROAD, PUNE 411041, MAH, INDIA
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. KISHORI GANPAT APTE
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

This invention relates to herbal compositions and methods of reducing and expulsion of kidney, ureter and bladder stones. It also relates to herbal compositions comprising herbal extract or actives dispersed in a palatable carrier.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :05/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: INDICATING AND VENTING DEVICES FOR STORAGE BATTERY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01G 11/62 :NA :NA	(71)Name of Applicant:  1)KAPADIA, Munjal Nikunj Address of Applicant: MANIKA MOULDS PVT LTD, AAR - PEE CENTRE, 601-605,6TH FLOOR, GUFFIC COMPOUND, MIDC, ANDHERI (E), MUMBAI 400093, INDIA. Maharashtra
(86) International Application No	:PCT//	India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)KAPADIA, Munjal Nikunj
(61) Patent of Addition to Application Number	:NA	2)GHOSH, Ashish Kumar
Filing Date	:NA	3)BHISHNU, Bhaskar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An indicating and venting device for storage battery is disclosed and includes an operative top cover that covers battery housing, a plurality of opening configured on the operative top cover, plurality of indicating and venting devices for determining electrolyte level, plurality of venting means for venting gases, plurality of plungers, plurality of threadable lid and a plurality of elongate transparent graduated bulb. The plungers are disposed through a hole of the device housing of the indicating and venting devices. Each threadable lid is screwed onto each of the hole in the device housing during transportation of the storage battery and is removed at the time of use of the storage battery. Each elongate transparent graduated bulb is fitted on the hole of the housing replacing the threaded lid during the operative configuration of the storage battery for indicating level of electrolyte in each of the cells of the storage battery.

No. of Pages: 23 No. of Claims: 6

(21) Application No.1648/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INTERNATIONAL DIALING THROUGH A RELAY

:H04M1/2745, H04W4/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)Turakhia, Bhavin :NA (32) Priority Date Address of Applicant :Directiplex, Old Nagarads Road, near :NA (33) Name of priority country Andheri Subway Andheri (East), Mumbai 400069, INDIA :NA (86) International Application No :PCT// Maharashtra India (72) Name of Inventor: Filing Date :01/01/1900 (87) International Publication No : NA 1)Turakhia, Bhavin (61) Patent of Addition to Application :906/MUM/2014 Number :01/01/1900 Filed on (62) Divisional to Application Number: NA Filing Date :NA

## (57) Abstract:

Systems and methods for international dialing through a relay are provided. In an example embodiment, a communication is received at a server from a communication application installed on a device of a caller. The communication includes a destination number. A mapping of the destination number to a single call attribute is stored in a database of the server. A call to a pool number is received at the server from the caller. A determination is made of a call attribute from the call. Based on the call attribute from the call matching the single call attribute mapped to the destination number, the call is connected to the destination number.

No. of Pages: 31 No. of Claims: 20

(21) Application No.505/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :13/02/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STABLE ORALLY DISINTEGRATING TABLETS OF HYOSCYAMINE

	:A61K9/20,	(71)Name of Applicant :
(51) International classification	A61K9/00,	1)CADILA HEALTHCARE LIMITED
	A61Q90/00	Address of Applicant :SARKHEJ-BAVLA N.H. NO. 8A,
(31) Priority Document No	:NA	MORAIYA, TAL. SANAND, DIST. AHMEDABAD-382210,
(32) Priority Date	:NA	GUJARAT, INDIA Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)CHAWLA MANISH
Filing Date	:NA	2)BIRADAR SHAILESH
(87) International Publication No	: NA	3)SHARMA AJAY KUMAR
(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 orally disintegrating pharmaceutical composition comprising an effective amount of active ingredient in combination with water soluble amino acids, water insoluble polysaccharides and synthetic polymers and a process for the preparation thereof.

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

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR IDEA MANAGEMENT

		(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai-400021, Maharashtra, India. Maharashtra
(51) International classification	:G06F15/16, G06Q10/06	India (72)Name of Inventor:
(31) Priority Document No	:NA	1)BORDE SUSHIL PRATAPRAO
(32) Priority Date	:NA	2)DEO SHRIKANT ANIL
(33) Name of priority country	:NA	3)PRABHU ARVIND NARAYAN
(86) International Application No	:PCT//	4)JADHAV ASHISH MANOHAR
Filing Date	:01/01/1900	5)SHINDE BHUSHAN HANUMANT
(87) International Publication No	: NA	6)LALWANEY DINESH KISHINCHAND
(61) Patent of Addition to Application Number	:NA	7)GOSAR HARDIK HARISH
Filing Date	:NA	8)SHAH HEMAL JAYSINH
(62) Divisional to Application Number	:NA	9)PRABHU KAMLAKAR PURSHOTTAM
Filing Date	:NA	10)SHRIVASTAVA MANISH BALKRISHNA
		11)ZAVERI MITESH MADHUKANT
		12)MHATRE RITESH DATTATREY
		13)SHAH RONAK AJIT
		14)NAIK SHAILESH SHARAD

## (57) Abstract:

A collaborative framework for dynamic appraisal among proposals received for achieving explicit quests is disclosed herein, which embodies a method and system for procuring and evaluating inputs from a plurality of client devices.

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

(21) Application No.1634/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROCESS FOR CRYSTALLIZATION OF METAXALONE

		(71)Name of Applicant :
		1)LUPIN LIMITED
(51) International classification	:C07D263/00	Address of Applicant :159 CST Road, Kalina, Santacruz
(31) Priority Document No	:NA	(East), Mumbai-400 098, State of Maharashtra, India Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)SINGH, Girij, Pal
Filing Date	:01/01/1900	2)GODBOLE, Himanshu, Madhav
(87) International Publication No	: NA	3)VIKAS, Shivaji, Kamble
(61) Patent of Addition to Application Number	:NA	4)GOVIND, Dnyanoba, Ausekar
Filing Date	:NA	5)SHANTANU, Gokuldas, Varade
(62) Divisional to Application Number	:NA	6)AKSHAY, Sanjay, Kulkarni
Filing Date	:NA	7)DIPAK, Vasant, Patil
		8)RANANAWARE, Umesh, Babanrao
		9)SHIVDAVKAR, Radhakrishna

## (57) Abstract:

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

The present invention provides a novel process for crystallization of metaxalone from mixture of acetonitrile-water.

(21) Application No.1635/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 27/11/2015

 $(54) \ Title \ of the invention: A PROCESS FOR PREPARATION OF TRANS-SULFURIC ACID MONO-\{2-[5-(3-AZETIDINYLAMINO)-METHYL-[1,3,4]-OXADIAZOL-2-YL]-7-OXO-1,6-DIAZABICYCLO[3.2.1]OCT-6-YL\}ESTER TRIFLUOROACETATE$ 

(51) International :C07D413/10, C07D417/14, A61P25/00, classification (31) Priority Document :NA (32) Priority Date :NA (33) Name of priority :NA country (86) International :PCT// Application No :01/01/1900 Filing Date (87) International : NA **Publication No** (61) Patent of Addition to :NA **Application Number** 

:NA

:NA

:NA

(71)Name of Applicant:

1)WOCKHARDT LIMITED

Address of Applicant :D-4, MIDC Area, Chikalthana,

Aurangabad Maharashtra India

(72)Name of Inventor:

1) Jadhav, Sunil Bhaginath

2) Bhawsar, Satish

3)Deshpande, Prasad Keshav

4)Yeole, Ravindra Dattatraya

5)Patel,Mahesh Vithalbhai

(57) Abstract:

Filing Date (62) Divisional to

**Application Number** 

Filing Date

ABSTRACT A process for preparation of compound of Formula (I) is disclosed.

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

(22) Date of filing of Application :06/05/2014

(43) Publication Date: 27/11/2015

## (54) Title of the invention: Semi-automatic machine for cutting photographs

		(71)Name of Applicant:
		1)Mr. Atul Bajirao Kulkarni
		Address of Applicant :Asst. Professor R.G.C.E.R, Nagpur
(51) International classification	:B42D	Maharashtra India
(31) International classification	25/351	2)Mr. Swapnil Vitthalrao Channe
(31) Priority Document No	:NA	3)Dr. Girish Devilal Mehta
(32) Priority Date	:NA	4)Dr. Jayant. Pandurang Modak
(33) Name of priority country	:NA	5)Mr. Akshay Anant Pachpor
(86) International Application No	:PCT//	6)Mr. Harsh Kumar Dubey
Filing Date	:01/01/1900	7)Mr. Satish Pandharinath Lokhande
(87) International Publication No	: NA	8)Mr. Shantanu Ramchandra Kulkarni
(61) Patent of Addition to Application Number	:NA	9)Mr. Prashant Santosh Umbarkar
Filing Date	:NA	10)Mr. Nishant Vitthalrao Nikam
(62) Divisional to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Mr. Atul Bajirao. Kulkarni
		2)Dr. Girish Devilal Mehta
		3)Dr. Jayant Pandurang Modak
		4)Mr. Shantanu Ramchandra Kulkarni

#### (57) Abstract:

ABSTRACT If one wants multiple copies of the photos, then one may get it printed on photo sheets according to the size. However, one needs to manually cut these copies from photo sheet which may defect the photo. Present invention provides a machine that could perform the cutting operation of photo paper and it will provide different photos at a time which is free from defectiveness. Following invention is described in detail with the help of Figure 1 of sheet 1 showing Assembled photo cutting machine, Figure 2 of sheet 2 shows schematics drawing of single slider crank chain mechanism and Figure 3 of sheet 3 shows schematic diagram of photo cutting machine.

No. of Pages: 15 No. of Claims: 9

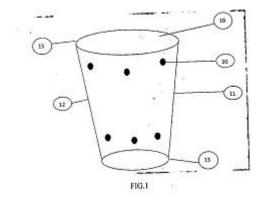
(22) Date of filing of Application :06/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PORTABLE CORN SHELLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01F11/06, A01F11/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHESH NENVANI  Address of Applicant:IV/1 CIAE QTRS. NABIBAGH, BHOPAL-462038, MADHYA PRADESH, INDIA Madhya Pradesh India (72)Name of Inventor:  1)MAHESH NENVANI
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#### (57) Abstract:

The present invention relates to a corn shelter. The present invention more particularly relates to a portable corn sheller that can be operated manually to extract corn seeds from corn cob. The corn sheller according to the invention is conical in shape having wider openings and possesses four fins inside the lumen of conical corn sheller. Clockwise and anticlockwise movement of corn cob through hands helps fins to pull corn seeds embedded on the cob and facilitates its extraction. The corn sheller is also suitable for women having smaller fist size than men as conical shape of corn sheller gives a better grip to holding.



No. of Pages: 10 No. of Claims: 7

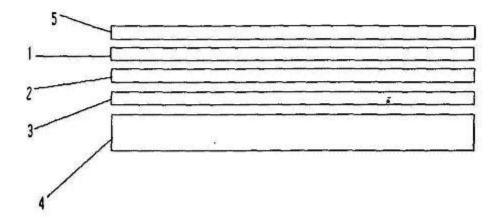
(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PRINTED FILM FOR TILES AND SURFACE LAMINATION

(51) International classification	:B41L47/46	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VISHRAM Y. ABHYANKAR
(32) Priority Date	:NA	Address of Applicant :A/302, AMEYA R.B.I. C.H.S., NEW
(33) Name of priority country	:NA	PRABHADEVI ROAD, OPP. MARATHE UDYOG BHAVAN,
(86) International Application No	:NA	PRABHADEVI, MUMBAI-400025 Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VISHRAM Y. ABHYANKAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Printed film for Tiles and surface lamination, plastic and/or non plastic, single and/or multilayered preprinted flexible, semi flexible, rigid film, pre printed tiles designed on it, with the combination composite of the non printed films, with clear protective pre and/or post affixing, coating on it, with optional base for it, Low coast alternative Solution for ceramic tiles or similar type of tiles, lamination is easy to affix with the same appearance like ceramic tiles, and with water proof, scratch resistance properties.



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

(21) Application No.1679/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention: Cargo tank washing process

	:B08B9/08,	(71)Name of Applicant:
(51) International classification	B08B3/08,	1)Samundra Institute of Maritime Studies
	B08B9/00	Address of Applicant :Village Takwe khurd, Mumbai-Pune
(31) Priority Document No	:NA	Highway [NH4], Lonavla, Dist Pune, Maharashtra 410405, India.
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)Abhijit Nalawade
Filing Date	:01/01/1900	2)Devendra Kishore
(87) International Publication No	: NA	3)Nutan Mishra
(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 washing a stainless steel cargo tank after unloading sulphuric acid from has been disclosed. The stainless steel cargo tank is washed using plurality of jet ejectors by spraying clean sea water. The cargo tank is gas freed and manually washed again with water. Finally the cargo tank is mop dried making it ready for loading a different cargo other than sulphuric acid.

No. of Pages: 15 No. of Claims: 9

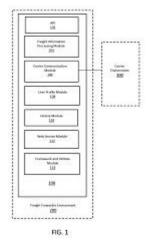
(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: FREIGHT INFORMATION MANAGEMENT SYSTEM AND METHOD

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:G06K17/00, G06Q10/00,B65G1/137 :NA	(71)Name of Applicant:  1)HEXAWARE TECHNOLOGIES LIMITED  Address of Applicant:152, Sector-III, Millenium Business Park, ~A™ Block, TTC Industrial Area, Mahape, Navi Mumbai - 400 710, India Maharashtra India (72)Name of Inventor:  1)Sowmyanarayanan Govindan
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## (57) Abstract:

Disclosed is a freight information management system implemented in a freight forwarder environment. The system comprises: an application programming interface capable of being invoked by a user interface of the freight forwarder environment for submitting and extracting freight information; a freight information processing module capable of validating, formatting and translating the freight information received through the application programming interface, to form processed freight information; and a carrier communication module capable of sending processed freight information to a carrier environment, and receiving response on the freight status from the carrier environment.



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

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : TO ENSURE CONSUMER GOODS SOLD AT RETAIL TO BE ORIGINAL THROUGH WARRANTY REGISTRATION DIGITALLY

<ul> <li>(51) International classification</li> <li>(31) 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>	:G06K19/06, G06K15/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)SAXENA, ANURAG Address of Applicant: A-1004, VICTORIA GARDEN, KALYANI NAGAR, PUNE-411006, INDIA Maharashtra India (72)Name of Inventor:  1)SAXENA, ANURAG
(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 field of consumer products. The present invention is a system mechanism of providing product ID and warrantee registration code-1 for every product, product to be packaged in Brand packaging, said Brand packaging to be provided packaging ID and warrantee registration code-2 on to its product packaging, said product ID and warrantee registration code-1 and packaging ID and warrantee registration code-2 are inter-related covertly and digitally, said warrantee registration code-1 and warrantee registration code-2 to be used to register warranty and to validate product authenticity by sending inputs of warrantee registration code-1 and warrantee registration code-2 data available on product and its product packaging through SMS via mobile phone or through a web portal to a web server hosting application for warranty registration mechanism, said mechanism comprises of numerous algorithms and warranty registration mechanism and to determine product ID and packaging ID, said product ID and packaging ID to be transmitted to user for verification the product ID and packaging ID from product ID and packaging ID available on to the product packaging. The product ID and packaging ID are stored in a product warranty database to be used on product warranty claim to ensure product to be original during warranty claims. The product ID and warrantee registration code-1 of products and packaging ID and warrantee registration code-2 of its brand packaging are not to be stored by anyone and anywhere for determining authenticity of product and registering warranty by validating the IDs. The generation software application is installed on a computer in the manufacturing facility or packaging premises, said IDs are generated locally since said computer is not connected to internet connectivity.

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

(22) Date of filing of Application :27/01/2014

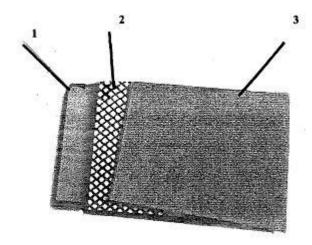
(43) Publication Date: 27/11/2015

# (54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF ELTROMBOPAG AND SALTS AND INTERMEDIATES THEREOF

	:C07C51/367,	(71)Name of Applicant :
(51) International classification	C07C229/52,	1)CADILA HEALTHCARE LIMITED
	C07C201/12	Address of Applicant :CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	ZYDUS TOWER, SATELLITE CROSS ROADS
(32) Priority Date	:NA	AHMEDABAD-380015 Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DWIVEDI SHRI PRAKASH DHAR
Filing Date	:NA	2)PARIHAR JAYPRAKASH AJITSINGH
(87) International Publication No	: NA	3)RUPAPARA MAHESH LALJIBHAI
(61) Patent of Addition to Application Number	:NA	4)KESHAVALA DHARMENDRA MOHANBHAI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides an isopropanol solvate of enzalutamide. The present invention also provides a process for the preparation of androgen receptor antagonist. In particular, the present invention provides a process for the preparation of enzalutamide or its pharmaceutically acceptable salts, hydrates, solvates, polymorphs or intermediates thereof.



No. of Pages: 52 No. of Claims: 29

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 27/11/2015

## (54) Title of the invention: ENZYMATIC PRODUCTION OF MONOACYLGLYCEROL FROM OIL.

	:C12P	(71)Name of Applicant:
(51) International classification	19/00,	, , , , , , , , , , , , , , , , , , , ,
(31) memational classification	C11C	Address of Applicant :DBT-ICT CENTRE FOR ENERGY
	3/00	BIOSCIENCES, INSTITUTE OF CHEMICAL TECHNOLOGY
(31) Priority Document No	:NA	(DEEMED UNIVERSITY), NATHALAL PARIKH MARG,
(32) Priority Date	:NA	MATUNGA (EAST), MUMBAI 400 019, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LALI, ARVIND MALLINATH
(87) International Publication No	: NA	2)ODANETH, ANNAMMA ANIL
(61) Patent of Addition to Application Number	:NA	3)VADGAMA, RAJESH NATWARLAL
Filing Date	:NA	4)TRIBHUVAN, NIKHIL VILAS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present method discloses a novel and rapid method for production of different monoacylglycerol (MAG) and diacylglycerol (DAG) using lipase catalyst under mild conditions. The process of the present invention involves multistep enzymatic glycerolysis of oil in a continuous mode to yield 88% MAGs, wherein the system provides for removal of water generated during glycerolysis, thereby ensuring 95-100% conversion of oil. The process of the present invention further includes steps for separation of MAGs from the reaction mixture, to achieve purity of ninety five (95%).

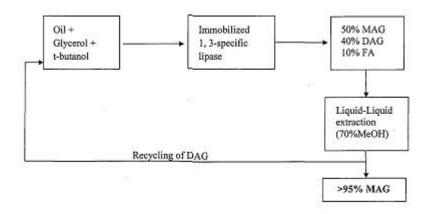


Figure 1

No. of Pages: 21 No. of Claims: 9

(21) Application No.1669/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CARTONS FOR HOLDING ARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	B65D71/00 :NA :NA :NA :PCT// :01/01/1900	(71)Name of Applicant:  1)BHANDARI SUNIL HEMRAJ  Address of Applicant: Dei Gratia 102., H.K.M. Path Model Colony, Pune 411016, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)BHANDARI SUNIL HEMRAJ
(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 carton for holding articles is disclosed. The carton is formed by a one-piece element that has a pair of longitudinal creased portions and a plurality of transverse creased portions. The portions and the flaps are folded along the creases to configure a carton that has an operative base portion, an operative top cover, an operative left side portion and an operative right side portion. The operative base portion has overlapping flaps for securely holding the articles disposed within the carton. The operative top cover has overlapping flaps. The operative left side portion has a cut for inserting at least a portion of the operative top cover for securely locking the operative top cover with the operative left side portion. The operative right side has a cut for inserting at least a portion of the operative top cover for securely locking the operative top cover with the right side portion.

No. of Pages: 28 No. of Claims: 7

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ERGONOMIC MATTRESS PAD WITH POLYESTER FILL

(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :NA	Number Filing Date (62) Divisional to Application Number	:NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Welspun India Limited. Address of Applicant: Welspun House, 6th Floor, Kamala City,Senapati Bapat Marg, Lower Parel, Mumbai 400 013 Maharashtra India (72)Name of Inventor: 1)Dipali Goenka
Filing Date :NA			

#### (57) Abstract:

The embodiments herein disclose a mattress pad for supporting human body. The mattress pad includes an upper layer, a lower layer and a wadding layer disposed between the upper layer and the lower layer. The wadding layer includes three distinct comfort zones arranged along the length of the mattress pad. The first zone is configured to support a head portion and a neck portion of the human body while the second zone is configured to support an upper body portion and a lumbar portion of the human body and third zone is formed to support a lower back portion and leg portion of the human body. Thickness and length of the wadding layer varies with respect to the specific zones. Further, each zone in the mattress pad is provided with a predetermined quilt pattern and a non-quilt region. Fig. 4

No. of Pages: 25 No. of Claims: 8

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

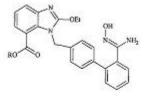
(43) Publication Date: 27/11/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF 2-ETHOXY-1-[[2'-[(HYDROXYAMINO)IMINOMETHYL]-BIPHENYL-4-YL)]METHYL-1H-BENZO[D] IMIDAZOLE-7-CARBOXYLIC ACID OR ITS INORGANIC SALTS

(51) International classification :C07D235/2 (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	(71)Name of Applicant:  1)WANBURY LTD.  Address of Applicant:WANBURY LTD., BSEL TECH PARK, B-WING, 10TH FLOOR, SEC-30A, OPP. VASHI RAILWAY STATION, VASHI, NAVI MUMBAI-400703, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:  1)DR. NITIN SHARADCHANDRA PRADHAN 2)DR. SACHIN ULHAS SONAVANE 3)MR. DAYAGHAN GANGADHAR PATIL 4)MR. ROHAN ASHOK NIKAM 5)MR. RAVINDRA BHAUSAHEB PAGIRE
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## (57) Abstract:

A process for preparation of 2-ethoxy-1-[[2-[(hydroxyamino)iminomethyl]-biphenyl-4-yl)]methyl-lH-benzo[d]imidazole-7-carboxylic acid or its inorganic salts, of Formula (I) substantially free of desethyl impurity of Formula (VI) and amide impurity of Formula (VII). Wherein; R is H, Li, Na, K, Ca, Mg, Ba.



Formula (I)

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

(22) Date of filing of Application :08/05/2014

(43) Publication Date: 27/11/2015

# (54) Title of the invention : A DEVICE FOR TRAILER TWIST LOCKS TO PREVENT THE MISALIGNMENT OF THE TWIST LOCKS ON TRAILER

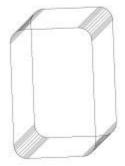
		(71)Name of Applicant :
(51) International classification	B63B25/28,	1)NHAVA SHEVA INTERNATIONAL CONTAINER
	B60P7/06	TERMINAL PRIVATE LIMITED
(31) Priority Document No	:NA	Address of Applicant :an Indian Company, of Darabshaw
(32) Priority Date	:NA	House, Level 1, NM Marg, Ballard Estate, Mumbai 400001
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ajay Singh
(87) International Publication No	: NA	2)Sagar Mhatre
(61) Patent of Addition to Application Number	:NA	3)Sanjay Mhatre
Filing Date	:NA	4)Vivek Rane
(62) Divisional to Application Number	:NA	5)Indrajit Kanungo
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a device for a trailer twist lock to enhance safety of human beings involved in carrying the trailer with container from a terminal to any desired location and vice versa. More particularly, the said device prevents the misalignment of the twist locks by arresting the movement of twist lock that is used to lock the container on the trailer.







The dimension of the device is 80 mm x 55mmx37 mm with thickness 3mm for use on loaded trailers and in 2 sizes for empty trailers – 80mm x 42mmx60 mm, 90mmx46mmx60 mm with thickness of 3mm.

FIGURE 1

No. of Pages: 16 No. of Claims: 13

(22) Date of filing of Application :08/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: Removal Of Sulfides In Spent Caustic Stream Over Active Solid Phase Catalysts

(51) Intermetional algorification	.C25D1/26	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)Hindustan Petroleum Corporation Ltd.
(32) Priority Date	:NA	Address of Applicant :Petroleum House • , 17 Jamshedji Tata
(33) Name of priority country	:NA	Road, Churchgate, Mumbai 400020, Maharashtra, India
(86) International Application No	:PCT//	Maharashtra India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)KANAPARTHI, Ramesh
(61) Patent of Addition to Application Number	:NA	2)RAO, Peddy Venkata Chalapathi
Filing Date	:NA	3)CHOUDARY, Nettem Venkateswarlu
(62) Divisional to Application Number	:NA	4)SRI GANESH, Gandham
Filing Date	:NA	

#### (57) Abstract:

The present subject matter relates to the development of active catalyst composite based on supported transition metal oxides, especially, Cu, Co that are effective in the removal sulfides in the diluted spent caustic. The process for the reduction of sulfides in spent caustic comprises of reacting various organic and inorganic sulfides with molecular oxygen in the presence of active catalyst at various reaction temperatures ranging ambient to 200 °C and pressures between atmospheric pressure to 60 bars. The process also relates to complete scheme for the removal of sulfides in spent caustic.

No. of Pages: 21 No. of Claims: 12

(22) Date of filing of Application :20/05/2014

(43) Publication Date: 27/11/2015

(54) Title of the invention : MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY BASED ASSAY FOR QUANTIFYING RESIDUAL 4- PYRROLIDINOPYRIDINE (4-PPY) AND 4- DIMETHYLAMINOPYRIDINE (DMAP) IN POLYSACCHARIDE - PROTEIN CONJUGATE VACCINES

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C07K1/26, C09K3/00 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SERUM INSTITUTE OF INDIA LTD.  Address of Applicant:212/2, Off Soli Poonawalla Road, Hadapsar, Pune 411 028, Maharashtra, India Maharashtra India (72)Name of Inventor:  1)DHERE RAJEEV MHALASAKANT  2)MALLYA ASHA DINESH 3)GULHANE ASHISH MADHUKAR 4)BHAGADE SUDHAKAR VITHOBA
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#### (57) Abstract:

The present invention relates to a rapid and reproducible micellar electrokinetic capillary chromatography based method for quantifying residual 4-pyrrolidinopyridine(4- PPY)and4-dimethylaminopyridine(DMAP) in polysaccharide- protein conjugate vaccines prepared by cyanylation conjugation chemistry using 1-Cyano-4- pyrrolidinopyridinium tetrafluorborate (CPPT) and 1-cyano-4-dimethylaminopyridine tetrafluoroborate (CDAP) respectively. Said method provides separate peaks for residuals(4PPY/DMAP) and polysaccharide-protein conjugate in a given sample, does not require any tedious sample preparation, is applicable for quantification of 4-PPY and DMAP in any polysaccharide-protein conjugate bulk or vaccine formulation samples and is highly reproducible. Further good precision and linearity of instant method can be attributed to under-pressure mode of injection, injection volume, injection duration, concentration of surfactant and concentration of buffer.

No. of Pages: 39 No. of Claims: 21

(22) Date of filing of Application :07/05/2014

(43) Publication Date: 27/11/2015

(54) Title of the invention: ISOLATION OF (4,4,6A,6B,8A,11,12,14B-OCTAMETHYL-2,3,4A,5,6,7,8,9,10,11,12,12A,14,14A-TETRADECAHYDRO-1H-PICEN-3-YL)ACETATE FROM FICUS ARNOTTIANA LEAVES USING ULTRASONICATION METHOD AT AMBIENT TEMPERATURE.

<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>	:A61K 36/00 :NA :NA :NA	(71)Name of Applicant:  1)DR. VISHWANATH R. PATIL  Address of Applicant: DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ (EAST), MUMBAI-400098, INDIA. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. VISHWANATH R. PATIL
(87) International Publication No	: NA	2)AMOL VASANTRAO PANSARE
(61) Patent of Addition to Application Number	:NA	3)DNYANESHWAR KISAN KULAL
Filing Date	:NA	4)JITENDRA MANSING JAWALE
(62) Divisional to Application Number	:NA	5)PRAMOD KASHIRAM KALAMBATE
Filing Date	:NA	

## (57) Abstract:

Iso1ation of (4A,6a,6b,8a,11,12s14b-Octamethy]-2,3,4a,5,6,7,8,9,10,11,12,12a,14,14a-tetradecahydro-lH-picen-3-yl)acetate from leaves of ficus arnottiana using aluminium oxide active neutral, silica gel column. The main objective of the present invention is to isolate amyrine acetate in leaves of ficus arnottiana for the first time by using ultrasonication method at ambient temperature.

No. of Pages: 7 No. of Claims: 1

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR OPTIMIZING VEHICLE MOVEMENT PLANS IN A LARGE RAILWAY NETWORK

(51) International classification	:B61K 9/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Tata Consultancy Services Limited
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai 400021, Maharashtra, India Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)SENGUPTA, Siddhartha
(87) International Publication No	: NA	2)JOSHI, Sunil D.
(61) Patent of Addition to Application Number	:NA	3)SALSINGIKAR, Shripad
Filing Date	:NA	4)SINHA, Sudhir Kumar
(62) Divisional to Application Number	:NA	5)DONTAS, Kejitan
Filing Date	:NA	6)AGRAWAL, Nishant Kumar

#### (57) Abstract:

ABSTRACT SYSTEM AND METHOD FOR GENERATING VEHICLE MOVEMENT PLANS IN A LARGE RAILWAY NETWORK Disclosed is method and system for continuously re-generating reactive on-line train schedules for trains running in a large railway network. Railway network partitioned based on user configuration, into first type comprising trunk line and feeder line sub-networks, and second type comprising supervisory dispatch control territories. Sense and respond cycle is continuously executed on multi-processor computing environment, senses dynamic data from field about train movements, and other changes from users. For each first type sub-network, degree of deviation is computed from incumbent plans and congestion in sub-networks. Using degree of deviation and congestion, trains are rerouted and suitable scheduling methods are chosen for each sub-network and executed in parallel and first level train schedules are sent to second level train schedules working on second type sub-networks which in parallel identify and resolve conflicts among first level train schedules. Second level train schedules are collated to generate reactive on-line network train schedule.

No. of Pages: 55 No. of Claims: 24

(21) Application No.411/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: NOVEL CAPSULE FORMULATION FOR VISHMA JVARA

(51) International classification	:A61K9/107, A61K9/48, A61K31/7048	(71)Name of Applicant:  1)DR. MARIA CARINA CORDEIRO Address of Applicant:119, NATANIA, NEAR DR. VIAGA'S
(31) Priority Document No	:NA	BUNGLOW, BEHIND PDA COLONY, PORVORIM, GOA 403
(32) Priority Date	:NA	521, INDIA. Goa India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DR. MARIA CARINA CORDEIRO
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 novel formulation syrup consist of extracts of Papaya Leaves (Carica papaya), Tulsi leaves (Ocimum sanctum), Nimba or Neem leaves (Azidarachta indica) and Kalmegh (Andrographis paniculata) whole plant represents the active ingredients wherein the Papaya constitutes the majority of the actives with higher concentration comparatively. The syrup is an adjuvant for the treatment of the Vishama Jwara (Dengue fever) with antithrombocytopenic and antiviral properties.

No. of Pages: 32 No. of Claims: 6

- (19) INDIA
- (22) Date of filing of Application :05/05/2014

(43) Publication Date: 27/11/2015

# (54) Title of the invention : POWER SAVER DEVICE AND ITS SYSTEM THEREOF FOR USE IN AIR CONDITIONERS - BILL BUSTER

(51) International classification	:F24F11/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JAY SANGHANI
(32) Priority Date	:NA	Address of Applicant :INDEPENDENT BUNGALOWS,
(33) Name of priority country	:NA	NEAR SHIVALIK PLAZA, OPP. AHMEDABAD
(86) International Application No	:NA	MANAGEMENT ASSOCIATION, ATIRA, VASTRAPUR -
Filing Date	:NA	380015, AHMEDABAD, GUJARAT, INDIA. Gujarat India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)JAY SANGHANI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an improved power saving device and system thereof for air conditioning systems, comprising a power supply unit to supply input between phase and neutral terminals; a switch control unit receives DC control supply from power supply unit and generates control signals for a relay and LED's to determine the ON-OFF condition and store energy and relay produces an output to drive at least 30A load. The control unit is provided with an input and coupled to terminals of a compressor to determine ON-OFF condition of the compressor and hence save power for the air conditioning systems.

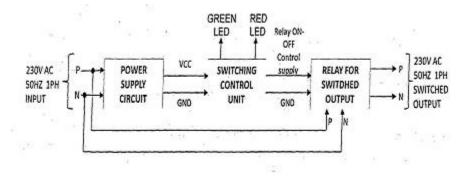


Figure 2

No. of Pages: 12 No. of Claims: 10

(21) Application No.1651/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : PROCESS FOR GRAFTING OF PHASE CHANGE MATERIAL ON CELLULOSE FIBER AND USE THEREOF

(51) International (71) Name of Applicant: :C08F120/28, D01F8/14, C09K5/06, D01F8 classification 1) DEFENCE INSTITUTE OF ADVANCED (31) Priority TECHNOLOGY, (DEEMED UNIVERSITY) :NA Document No Address of Applicant: Girinagar, Pune 411025, Maharashtra, India Maharashtra India (32) Priority Date :NA (33) Name of priority :NA (72) Name of Inventor: country 1)Amit Kumar (86) International 2)Asit Samui :PCT// Application No 3)Prashant S. Kulkarni :01/01/1900 Filing Date (87) International : NA **Publication No** (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

# (57) Abstract:

ABSTRACT The present invention provides a process for grafting of Phase Change Material on Cellulose Fiber for being used as an environmentally safe and maintenance free coolant. The present invention facilitates direct modification of the cotton fibre, cloth or tape as these can lead to materials which can be directly used wherein the polymer chain is attacked to make it suitable for reacting directly with phase change polymeric molecule or it can be grafted with monomer having a phase change polymer chemically attached thereto.

No. of Pages: 21 No. of Claims: 19

(21) Application No.1652/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR INCREASING THE HYDROPHOBICITY OF THE PAPER

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International	:D21H17/16, D21H17/17, D21H17/28, D:NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)Indian Institute of Technology, Bombay         Address of Applicant: Powai, Mumbai 400076, Maharashtra,     </li> <li>India Maharashtra India</li> <li>(72)Name of Inventor:</li> <li>1)Prof. Debjani Paul</li> <li>2)Ammar Jagirdar</li> </ul>
Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to	:NA :NA	
Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides an effortless, economical method for increasing the hydrophobicity of the paper or paper like material. In an aspect, the invention provides a non-toxic, biodegradable cellulose reactive sizing agent that when printed on the paper or paper like material followed by heating the paper or paper like material increases the hydrophobicity of the paper; wherein the cellulose reactive sizing agent comprises a vegetable oil suspended in a carrier solvent. In yet another aspect, the invention provides a device for printing cellulose reactive sizing agent on the paper or paper like material. The invention also provides a paper fluidic device and a method for manufacturing the same.

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

(21) Application No.459/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: AN IMPROVED FOSAPREPITANT PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07F9/6558 :NA	(71)Name of Applicant:  1)EMCURE PHARMACEUTICALS LIMITED Address of Applicant:EMCURE HOUSE, T 184, M.I.D.C., BHOSARI, PUNE 411026, INDIA Maharashtra India (72)Name of Inventor: 1)GURJAR MUKUND KESHAV 2)TRIPATHY NARENDRA KUMAR 3)KRISHNA VIVEK 4)JAGTAP JAGANNATH TULSIRAM 5)PATIL LOTAN RAMDAS 6)RAGHOJI RAJESH VENKATRAO 7)MEHTA SAMIT SATISH
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## (57) Abstract:

The present invention provides an improved process for the preparation of fosaprepitant dimeglumine (la) free from associated impurities and heavy metals like palladium. The synthetic strategy, which avoids isolation of any of the intermediates, comprises use of resin based metal scavengers and provides pure fosaprepitant dimeglumine by a simple, convenient and industrially applicable process.

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

(21) Application No.2694/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BIOGAS REFILL IN BALLOON CYLINDERS

<ul><li>(51) International classification</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>	:C12M1/107, C12P5/00 :NA :NA :NA	(71)Name of Applicant:  1)DILIP DAMODAR PATWARDHAN Address of Applicant:596, RAOOLWADI, AT & POST: AKERI, TAL: KUDAL, DIST: SINDHUDURG 416520. Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA	1)DILIP DAMODAR PATWARDHAN

#### (57) Abstract:

This invention related with biogas. Daily waste quantity of biogas from each biogas Plant can be purified to fill into cylinders for domestic cooking purpose For this I have designed small traditional affordable purification system of raw Biogas. From this Co2,H2S, O2 also moisture can be separated. This purification type can go from 1 kg upto 6kg. per day. This renewable energy in the form of biogas is flameble but non-toxic. This concept will save environment forest, cutting of woods and non-cometional energy. Also helps for rular employment in rural development programme.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD AND SYSTEM FOR MANUFACTURING MULTIFUNCTIONAL COTTON FABRIC

(51) International classification	:A41D13/00, A41D27/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)The Bombay Textile Research Association (BTRA)
(32) Priority Date	:NA	Address of Applicant :Lal Bahadur Shastri Marg, Ghatkopar
(33) Name of priority country	:NA	west, Mumbai 400 086, Maharashtra, India. Maharashtra India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Shital Subhash Palaskar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

ABSTRACT METHOD AND SYSTEM FOR MANUFACTURING MULTIFUNCTIONAL COTTON FABRIC A method for manufacturing multifunctional cotton fabric, comprising: treating a cotton fabric with atmospheric pressure plasma dielectric barrier discharge (DBD) at predefined parameters to form a plasma treated cotton fabric; preparing a nano particle finishing bath solution; performing padding by applying nano particle finishing bath solution on plasma treated cotton fabric to form a padded cotton fabric to form a dried padded cotton fabric; performing curing on dried padded cotton fabric to form a finished fabric; and performing a plasma polymer deposition on the finished fabric to form the multifunctional cotton fabric. FIG. 1

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

(21) Application No.1686/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: PROCESS FOR PREPARING POLYCYCLIC CARBAMOYL PYRIDONE DERIVATIVES

(51) International classification	:C07D471/04, C07F9/6561	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CIPLA LIMITED
(32) Priority Date	:NA	Address of Applicant :Mumbai Central, Mumbai 400 08,
(33) Name of priority country	:NA	Maharashtra. India. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAO, Dharmaraj Ramachandra
(87) International Publication No	: NA	2)PHULL, Manjinder Singh
(61) Patent of Addition to Application	:NA	3)SAWANT, Ashwini Amol
Number	:NA	4)THOPPIL, Sanoj Jose
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a novel process for the synthesis of polycyclic carbamoyl pyridone derivatives of formula (B): Formula B wherein Ar, W1, W2, W3, X, Y and Z are as defined in the specification; and to novel chemical intermediates for use in such a process.

No. of Pages: 62 No. of Claims: 46

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

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BEARING ARRANGEMENT FOR HEAVY DUTY TRANSMISSION

(71)Name of Applicant: (51) International :B63H23/02, B63H23/08, B63H23/30, F16C classification 1)LUNAVIA, Bipinkumar Nathalal (31) Priority Address of Applicant : A-1004, Gundecha Symphony, Veera :NA Document No Desai Road, Andheri (W) Mumbai 400053 Maharashtra India 2)MEHRA, Yogesh Jogindernath (32) Priority Date :NA (33) Name of priority :NA (72)Name of Inventor: country 1)LUNAVIA, Bipinkumar Nathalal (86) International 2) MEHRA, Yogesh Jogindernath :PCT// Application No :01/01/1900 Filing Date (87) International : NA 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 bearing arrangement (100) includes a rotating part (102), a stationary part (104), and an annular disk (106) concentrically attached to the rotating part (102). Several radial axle pins (114) are mounted in a radial direction in proximity to both, a first side (108) and a second side (110) of the annular disk (106) on the periphery of the stationary part (104). Several axial axle pins (122) are mounted on the periphery of the stationary part (104) in an axial direction and positioned below the third face (112) of the annular disk (106). Two or more rolling element bearings (118, 120) are mounted on each of the radial axle pins, and a rolling element bearing (124) is mounted on each of the axial axle pins (122). The rolling element bearings (118, 120) have a spherical contour (204, 208) to provide a one-point contact support to the annular disk (106).

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

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A UNIQUE CONNECTOR WITH MULTIPLE CONNECTING MEANS

(	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA :NA :NA :NA	VAIBHAV CINEMA, BAKROL - 388315, ANAND, GUJARATINDIA. Gujarat India 2)NEIL D. SHETH (72)Name of Inventor: 1)VISHAL A. AREKAR 2)NEIL D. SHETH
(	No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
]	(62) Divisional to Application	:NA :NA	
((	<ul> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:NA :NA :NA :NA :NA	2)NEIL D. SHETH (72)Name of Inventor: 1)VISHAL A. AREKAR

#### (57) Abstract:

A unique connector (1) which is solid in nature and higher in strength and mainly comprises of Multiple connecting surface (4) whereby each connecting surface (4) has a threaded connecting hole (3) for facilitating connection as per requirement; Multiple threaded connecting hole (3) for facilitating connection as per requirement and where the connection is not required, the said threaded connecting hole (3) can be fixed with bolt (2) and Multiple bolt (2) for fixing at multiple threaded connecting hole (3).

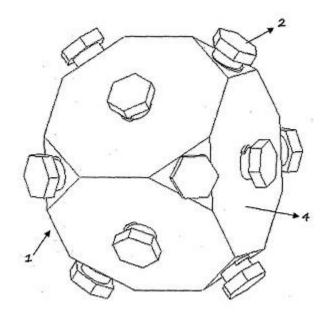


FIG-1

No. of Pages: 14 No. of Claims: 11

(21) Application No.111/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :13/01/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A DETECTION SYSTEM

	:H04M	(71) Nome of Applicant
(51) International classification	1/00,G01R	(71)Name of Applicant :   1)TATA CONSULTANCY SERVICES LIMITED
	33/00	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(31) Priority Document No	:NA	NARIMAN POINT, MUMBAI - 400 021, MAHARASHTRA,
(32) Priority Date	:NA	INDIA Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)GHOSE, AVIK
Filing Date	:NA	2)CHANDEL, VIVEK
(87) International Publication No	: NA	3)BHAUMIK, CHIRABRATA
(61) Patent of Addition to Application Number	:NA	4)PAL, ARPAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A detection system for detecting the presence and direction of a subject moving through a doorway is disclosed. The system comprises magnets disposed on the doorway, a communication device, typically a smartphone and a server. The magnets are positioned on1 the doorway to create a magnetic field across the doorway. When the subject having the smartphone on the body passes through the doorway, a magnetometer in the smartphone senses perturbations caused by the magnetic field and generates signals corresponding to the sensed perturbations and a processor of the smartphone processes the signals to detect the presence and direction of the subject through the doorway. The data generated by the processor and a unique identification associated with the smartphone is transmitted to the remotely located server.

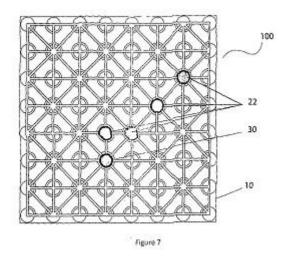
No. of Pages: 30 No. of Claims: 18

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: BOARD GAME AND METHOD OF PLAYING THE BOARD GAME

#### (57) Abstract:

Disclosed is a board game capable of being played by two or more players and method of playing the board game. The board game comprises a board member having plurality of boxes configured thereon. Each box of the plurality of boxes includes at least two triangles which form at least one diagonal path thereon. Further, each box of the plurality of boxes placed in proximity with other box and/or on the sides of the board member (10) to form vertical and horizontal paths there between. Further, the board game includes a plurality of playing pieces divided into at least two sets. Each set includes at least two playing pieces, wherein each player of the two or more players is assigned one set of the playing pieces for playing the game. Furthermore, the board game includes a plurality of blockers, wherein each player of the two or more players is assigned at least one blocker of the plurality of blockers.



No. of Pages: 23 No. of Claims: 4

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

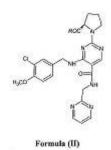
(43) Publication Date: 27/11/2015

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF AVANAFIL AND ITS NOVEL INTERMEDIATES

(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	:C07D403/14 :NA
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

## (57) Abstract:

The present invention relates to a novel compound of Formula (II), and its use in preparation of Avanafil. Formula (II) wherein R is -OH. -CI or -OR1 and R1 is C1 to C3 alkyl group



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

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SUBSTANTIALLY PURE TIOTROPIUM BROMIDE AND A PROCESS THEREOF

(51) International classification	:C07D451/10	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUPIN LIMITED
(32) Priority Date	:NA	Address of Applicant :159 CST Road, Kalina, Santacruz
(33) Name of priority country	:NA	(East), Mumbai-400 098, State of Maharashtra, India Maharashtra
(86) International Application No	:PCT//	India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAY, Purna, Chandra
(61) Patent of Addition to Application Number	:NA	2)SINGH, Gurvinder
Filing Date	:NA	3)TAMBE, Suhas, Ganpat
(62) Divisional to Application Number	:NA	4)KIRANGE, Bhushan, Bhanudas
Filing Date	:NA	5)PATIL, Naresh, Daga

## (57) Abstract:

The present invention is directed to substantially pure tiotropium bromide or its hydrate having reduced content of regioisomeric impurity (1R,2R,4S,5S,7s)-7-(2-hydroxy-2-(thiophen-2-yl)-2-(thiophen-3-yl)acetoxy)-9,9-dimethyl-3-oxa-9-azatricyclo[3.3.1.02,4]nonan-9-ium bromide of formula (2).

No. of Pages: 15 No. of Claims: 9

(21) Application No.1606/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: A MODIFIED COATING COMPOSITION

(51) International classification	:C09D175/04, C08G18/00,	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CHEMICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :BOMBAY HOUSE, 24 HOMI MODI
(33) Name of priority country	:NA	STREET, MUMBAI - 400001, INDIA Maharashtra India
(86) International Application No	:PCT// /	(72)Name of Inventor:
Filing Date	:01/01/1900	1)SENSARMA, SOUMEN
(87) International Publication No	: NA	2)PANDEY, SOMESHWARNATH
(61) Patent of Addition to Application Number	:NA	3)VERMA, RAMESH KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT A MODIFIED COATING COMPOSITION A modified coating composition is disclosed. Said modified coating composition comprises a coating composition, a modifier, at least one dispersing agent, at least one solvent and at least one binder, wherein the coating composition, the modifier, the at least one dispersing agent, the at least one solvent and the binder are collectively ground to obtain nanoparticles of the modifier dispersed therein. The modifier, in accordance with the present invention, comprises of mixed oxide particles bonded to a silane crosslinking agent. Herein, the mixed oxide particles comprise alumina and silica in a weight ratio between 30:70 and 40:60.

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

(21) Application No.5497/CHENP/2012 A

(19) INDIA

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

(43) Publication Date: 27/11/2015

# (54) Title of the invention : MANUFACTURE AND CALIBRATION PROCESS FOR AN INTERCONNECT FOR A FUEL CELL OR AN ELECTROLYSIS CELL OR A CELL STACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01M8/02 :PA 2009 01370 :22/12/2009 :Denmark :PCT/EP2010/007463 :08/12/2010 :WO 2011/076342 A1 :NA :NA	(71)Name of Applicant:  1)TOPSOE FUEL CELL A/S  Address of Applicant:NYMOLLEVEJ 66, DK-2800 KGS.  LYNGBY Denmark (72)Name of Inventor:  1)FREDERIKSEN, CASPER  2)KLITHOLM, CLIVER
•	:NA :NA	
(55) 11		•

# (57) Abstract:

The manufacture and calibration of an interconnect for a fuel cell ensures contact in all contact points between the interconnect and the adjacent electrodes

No. of Pages: 30 No. of Claims: 5

(21) Application No.5498/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESS FOR THE PURIFICATION OF GLYCOPROTEINS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:24/11/2010 :WO 2011/063943 A1 :NA	(71)Name of Applicant: 1)GLYCOTOPE GMBH Address of Applicant:ROBERT-ROSSLE-STR. 10, 13125 BERLIN Germany (72)Name of Inventor: 1)GOLETZ, STEFFEN 2)STOCKL, LARS
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a process for the purification of a glycoprotein comprising subjecting a liquid containing said glycoprotein to the steps of: a) reverse phase chromatography, b) size exclusion chromatography, and c) hydrophobic interaction chromatography. Also provided is a manufacturing process for producing a glycoprotein of interest.

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

(21) Application No.3156/CHE/2007 A

(19) INDIA

(22) Date of filing of Application :31/12/2007 (43) Publication Date : 27/11/2015

# (54) Title of the invention: A METHOD AND DEVICE FOR MAGNETIC SHIELDING IN AN ELECTRICAL EQUIPMENT

(51) International classification	:H05K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	Address of Applicant :KIADB INDUSTRIAL AREA,
(33) Name of priority country	:NA	HEBBAL-HOOTAGALLI, MYSORE-570 018. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANANTHA KESHAVA IRODI
(87) International Publication No	: NA	2)MAHESHA PADYANA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		·

#### (57) Abstract:

The invention provides a method and a device for magnetic shielding in electrical equipment. More particularly, the invention provides for a sol-gel form of ferrite powder that is magnetically conducting and electrically non-conducting that advantageously reduces the undesirable effects of the induced EMI formed due to the flux leakage from the gap existing in the transformer and/or filter inductor core.

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

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHODS OF MAKING POLYDIORGANOSILOXANE POLYOXAMIDE COPOLYMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/12/2010 :WO 2011/082069 A1 :NA :NA :NA	(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)HAYS, DAVID, S. 2)HANSEN, RICHARD, G.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The improvements proposed in this invention provide a reliable apparatus and method to gasify low rank coals in a class of pressurized circulating fluidized bed reactors termed transport gasifier. The embodiments overcome a number of operability and reliability problems with existing gasifiers. The systems and methods address issues related to distribution of gasification agent without the use of internals, management of heat release to avoid any agglomeration and clinker formation, specific design of bends to withstand the highly erosive environment due to high solid particles circulation rates, design of a standpipe cyclone to withstand high temperature gasification environment, compact design of seal-leg that can handle high mass solids flux, design of nozzles that eliminate plugging, uniform aeration of large diameter Standpipe, oxidant injection at the cyclone exits to effectively modulate gasifier exit temperature and reduction in overall height of the gasifier with a modified non- mechanical valve.

No. of Pages: 38 No. of Claims: 10

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: METHOD FOR SEALING VACUUM GLASS AND VACUUM GLASS PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:200910250137.1 :27/11/2009 :China :PCT/CN2010/078234 :29/10/2010 :WO 2011/063696 A1 :NA :NA	(71)Name of Applicant:  1)LUOYANG LANDGLASS TECHNOLOGY CO., LTD. Address of Applicant: NO.2, PEONY ROAD, LUOLONG SCIENTIFIC & TECHNOLOGIC PARK, LUOLONG DISTRICT, LUOYANG, HENAN - 471000 China (72)Name of Inventor: 1)LI, YANBING 2)WANG, ZHANGSHENG
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for sealing vacuum glass and a vacuum glass product processed by said method are provided. The method specifically is: preparing metallized layers (6) consolidated with glass plates on the surface to be sealed at the edge of the glass plates by the known sintering process; enabling hermetically sealing the edges of the two glass plates (1, 2) by welding and connecting metal sealing sheet (7) between the metallized layers (6) of the tow glass plates to be hermetically sealed. A brand new technology for manufacturing vacuum glass is provided by sintering metallized layers on the surface of the glass plates, and hermetically sealing the edges of the glass plates by use of the metallized layers and metal sealing sheet. This method not only has the advantage of firm connection at the sealing part, high air-tightness, good thermal impact resistance, but also ensures safe use of the vacuum glass by the use of the metal sealing sheet which can well adapt to the temperature deformation of the inner and outer glass plates of the vacuum glass produced by the difference in temperature.

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

(21) Application No.5663/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROCESSING METHOD AND 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> </ul>	:F16C33/64 :2009-274360 :02/12/2009 :Japan :PCT/JP2010/070690 :19/11/2010	(71)Name of Applicant:  1)NTN CORPORATION Address of Applicant: 3-17, KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA 550-0003 Japan (72)Name of Inventor: 1)AKIMOTO, SHOGO
(87) International Publication No	:WO 2011/068041 A1	2)NISHIKI, TAKU
<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:

Provided are a processing method capable of shortening a lead time without the need for carrying out super finishing (mirror grinding), and a bearing manufactured using the processing method. A component of a bearing is finished while chucking the component by a chucking device (10). Hardened steel cutting and grinding are carried out while chucking the component without releasing the chucking by the chucking device (10).

No. of Pages: 28 No. of Claims: 7

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PASSIVE SOLIDS SUPPLY SYSTEM AND METHOD FOR SUPPLYING SOLIDS

(51) International classification	:F23K1/00	(71)Name of Applicant :
(31) Priority Document No	:61/284,233	1)EXXONMOBIL RESEARCH AND ENGINEERING
(32) Priority Date	:15/12/2009	COMPANY
(33) Name of priority country	:U.S.A.	Address of Applicant :1545 ROUTE 22 EAST, P.O. BOX
(86) International Application No	:PCT/US2010/060163	900, ANNANDALE, NJ 08801-0900 U.S.A.
Filing Date	:14/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/075456 A1	1)JAMES R. BIELENBERG
(61) Patent of Addition to Application	:NA	2)MICHEAL FRANCIS RATERMAN
Number	:NA	3)RATHNA P. DAVULRI
Filing Date	·IVA	4)JOHN WILLIAM FULTON
(62) Divisional to Application Number	:NA	5)STEVEN W. MEIER
Filing Date	:NA	

### (57) Abstract:

A solids supply system having a solids deaeration zone and a solids pump zone, and a method for supplying the solids e.g., pulverized dry coal, to an application, e.g., gasification process. The solids deaeration zone includes a container having a passageway defined by one or more sloped walls. The solids deaeration zone is operable to deaerate and convey the solids to the solids pump zone. In the solids deaeration zone, the solids become sufficiently compacted prior to and upon entry into the solids pump zone to be effectively conveyed through the solids pump zone.

No. of Pages: 56 No. of Claims: 27

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification	:G02F1/13357	(71)Name of Applicant:
(31) Priority Document No	:2010-003390	1)SHARP KABUSHIKI KAISHA
(32) Priority Date	:08/01/2010	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
(33) Name of priority country	:Japan	OSAKA-SHI, OSAKA 545-8522 Japan
(86) International Application No	:PCT/JP2010/073613	(72)Name of Inventor:
Filing Date	:27/12/2010	1)NAKAJIMA, NOBUHISA
(87) International Publication No	:WO 2011/083720	
(87) International Fublication No	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A liquid crystal display device (100) of the present invention includes a liquid crystal panel (10) and a side light unit (20) for emitting light from a position lateral to the panel (10). The panel (10) includes a front substrate (1), a back substrate (2), and a light-scattering liquid crystal layer (3). The unit (20) includes a light source (7) in a position lateral to the panel (10), and a light guide (6) having a light exit surface (6b) via which light, emitted from the light source (7) and entering the light guide (6), is emitted toward an end surface (la) of the substrate (1). The surface (6b) is inclined with respect to a direction vertical to a front surface (lb) of the substrate (1) so as to face a back surface side of the panel (10). Accordingly, generation of a bright line(s) can be prevented in the panel (10).

No. of Pages: 31 No. of Claims: 3

(21) Application No.5673/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 27/11/2015

(54) Title of the invention: SLIDE FASTENER

(51) International classification	:A44B19/36	(71)Name of Applicant:
(31) Priority Document No	:NA	1)YKK CORPORATION
(32) Priority Date	:NA	Address of Applicant :1, KANDA IZUMI-CHO, CHIYODA-
(33) Name of priority country	:NA	KU, TOKYO 1018642 Japan
(86) International Application No	:PCT/JP2009/071779	(72)Name of Inventor:
Filing Date	:28/12/2009	1)RYOJI KONDO
(87) International Publication No	:WO 2011/080828	2)KUNIO MIYAZAKI
(87) International Lubication No	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

There is provided a slide fastener, capable of improving the aesthetic appearance thereof, and being completely closed in an easy way. The slide fastener includes an end stop 50, 60, which is provided on a pair of fastener element rows 30, and serves to stop a slider 40 from sliding. The end stop 50, 60 is made of ultraviolet-curable resin that is filled between at least two of fastener elements 31. An inverted section 35, 36 in a portion of the fastener elements 31 where the end stop 50, 60 is provided is exposed to an outside of the end stop 50, 60. The upper surface of an engagement head 32 in the portion of the fastener elements 31 where the end stop 50, 60 is provided is covered with the end stop 50, 60.

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

(22) Date of filing of Application :28/06/2012

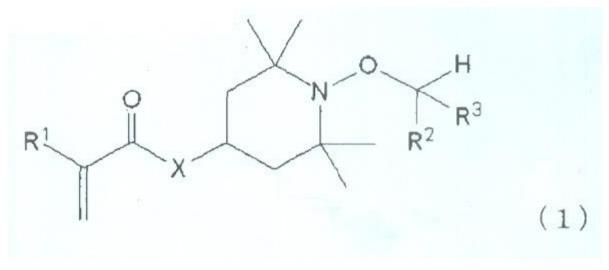
(43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD FOR PRODUCING POLYMER USING MONOMER HAVING PIPERIDINE SKELETON, AND MOLDED BODY

(51) International classification	:C08F220/34	(71)Name of Applicant:
(31) Priority Document No	:2009-273576	1)MITSUBISHI RAYON CO., LTD.
(32) Priority Date	:01/12/2009	Address of Applicant :1-1, MARUNOUCHI 1-CHOME,
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 1008253 Japan
(86) International Application No	:PCT/JP2010/071430	(72)Name of Inventor:
Filing Date	:01/12/2010	1)NAKAYA, FUMINORI
(97) Intermetional Dublication No.	:WO 2011/068110	2)NODA, TETSUYA
(87) International Publication No	A1	3)SAKASHITA, KEIICHI
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
•	N.T. A.	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

#### (57) Abstract:

Disclosed are a method for producing a polymer by a polymerization of a mixture at a temperature of 210°C or lower, wherein the mixture comprises 0.01 to 35 mol% of a monomer or a polymer thereof which has a piperidine skeleton represented by formula (1), and a molded body thereof R1 represents a hydrogen atom or a methyl group, X represents an oxygen atom, an imino group, or a specific oxygen atom containing a hydrocarbon group, and R1 and R1 represent a hydrogen atom, a linear alkyl group with CI to C8, a branched alkyl group with CI to C8, an alicyclic hydrocarbon with C6 to C8, or an aryl group, wherein R1 and R1 may also form a cyclic structure.



No. of Pages: 43 No. of Claims: 9

(21) Application No.5537/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 27/11/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		(71)Name of Applicant:  1)SHARP KABUSHIKI KAISHA  Address of Applicant: 22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan (72)Name of Inventor:
Filing Date	:25/11/2010 :WO 2011/065440	1)AIBA, TATSUSHI 2)YAMADA, SHOHEI
(87) International Publication No	A1	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

In a mobile communication system in which a plurality of component carriers are used, transmitting and receiving control information of HARQ effectively is realized. In a mobile communication system in which a base station apparatus (100) sets a plurality of downlink component carriers for a mobile station apparatus (200), the base station apparatus (100) transmits a downlink transport block to the mobile station apparatus (200) on one or a plurality of downlink component carriers among the plurality of downlink component carriers, and the mobile station apparatus transmits, to the base station apparatus (100), control information of HARQ for the downlink transport block on any one of physical uplink control channel resources corresponding to the one or plurality of downlink component carriers on which the downlink transport block has been transmitted.

No. of Pages: 103 No. of Claims: 20

(21) Application No.5539/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 27/11/2015

# (54) Title of the invention : CERAMIC COMPOSITE MATERIAL CONSISTING OF ALUMINIUM OXIDE AND ZIRCONIUM OXIDE AS MAIN CONSTITUENTS

(51) International classification	:C04B35/106	(71)Name of Applicant :
(31) Priority Document No	:10 2009 054 797.5	1)CERAMTEC GMBH
(32) Priority Date	:16/12/2009	Address of Applicant :CERAMTEC-PLATZ 1-9, 73207
(33) Name of priority country	:Germany	PLOCHINGEN Germany
(86) International Application No	:PCT/EP2010/069991	(72)Name of Inventor:
Filing Date	:16/12/2010	1)KUNTZ, MEINHARD
(87) International Publication No	:WO 2011/083022	2)KUNTZ, MICHAEL
(87) International Fublication No	A1	3)GOTTWIK, LUKAS
(61) Patent of Addition to Application	:NA	4)SCHILCHER, KRISTINA
Number	:NA :NA	5)MORHARDT, ANDREAS
Filing Date	.IVA	6)SCHNEIDER, NORBERT
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		·

## (57) Abstract:

The invention relates to a composite material consisting of aluminum oxide as a ceramic matrix and zirconium oxide dispersed therein. The invention also relates to a method for the production thereof and to the use of same.

No. of Pages: 15 No. of Claims: 13

(21) Application No.5689/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SUBSTITUTED PYRROLO-AMINOPYRIMIDINE COMPOUNDS

(51) International classification	:C07D487/04	(71)Name of Applicant:
(31) Priority Document No	:61/290,936	1)ARQULE, INC.
(32) Priority Date	:30/12/2009	Address of Applicant :19 PRESIDENTIAL WAY, WOBURN,
(33) Name of priority country	:U.S.A.	MA 01801 U.S.A.
(86) International Application No	:PCT/US2010/062444	(72)Name of Inventor:
Filing Date	:29/12/2010	1)LIU, YANBIN
(87) International Publication No	:WO 2011/082273 A2	2)NAMDEV, NIVEDITA
(61) Patent of Addition to Application	:NA	3)PALMA, ROCIO
Number	:NA	4)TANDON, MANISH
Filing Date	:NA	5)WANG, JIANQIANG
(62) Divisional to Application Number	:NA	6)WU, HUI
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to substituted pyrrolo-aminopyrimidine compounds and methods of synthesizing these compounds. The present invention also relates to pharmaceutical compositions containing substituted pyirolo-aminopyrimidine compounds and methods of treating cell proliferative disorders, such as cancer, by administering these compounds and pharmaceutical compositions to subjects in need thereof.

No. of Pages: 174 No. of Claims: 19

(21) Application No.1208/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :26/05/2009 (43) Publication Date : 27/11/2015

# (54) Title of the invention: HIGH-LOAD WALL MOUNTING BRACKET

(71) I	FLOV	
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAMALINGAM NITHYANANDAM
(32) Priority Date	:NA	Address of Applicant :NO.34, RMV II STAGE, BEHIND
(33) Name of priority country	:NA	CPRI COMPOUND, BANGALORE - 560 094 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMALINGAM NITHYANANDAM
(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:

ABSTRACT HIGH-LOAD WALL MOUNTING BRACKET In one aspect, the bracket according to this invention includes a wall mounting bracket, comprising a first frame portion for mounting onto a wall, a second frame portion for supporting a Load, characterized in that a U-shaped frame portion is configured for connecting the first frame portion and the second frame portion. FIG. 1

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

(22) Date of filing of Application :13/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPACT CHUCK ASSEMBLY FOR LOADER AND UNLOADER IN TIRE CURING 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></ul>	:NA :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: LARSEN & TOUBRO LIMITED  PRODUCT DEVELOPMENT CENTRE MODULE W2-D, L&T
(86) International Application No	:NA	BYPASS ROAD, MALUMICHAMPATTI COIMBATORE - 641
Filing Date	:NA	021 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DEEPAK SUSEELAN NAIR
Filing Date	:NA	2)MUTHU ARUNACHALAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a chuck assembly for loading and unloading a tire in a tire curing press. The chuck assembly is compact and lighter in weight as compared to existing mechanisms. The slider crank mechanism gives accurate concentricity of paddles with a chuck center. All components of the chuck assembly are rigidly integrated, which provides repeatable accuracy and can be easily adjusted for any bead size within its designed specifications. The chuck assembly of the present invention has provision for individual position adjustment for each paddle so that precise concentricity of the paddle assembly with respect to the chuck centre could be maintained. Figure 1

No. of Pages: 17 No. of Claims: 4

(21) Application No.2361/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : AUTOMATED MOLD HEIGHT ADJUSTING MECHANISM FOR HYDRAULIC TIRE CURING PRESS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant: PRODUCT DEVELOPMENT
(33) Name of priority country (86) International Application No	:NA :NA	CENTRE MODULE W2-D, L&T BYPASS ROAD, MALUMICHAMPATTI COIMBATORE - 641 021 Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)MUTHU ARUNACHALAM 2)AJU JAMES
(62) Divisional to Application Number Filing Date	:NA :NA :NA	2)AJU JAMES

#### (57) Abstract:

Disclosed is a hydraulic tire curing press with automated mold height adjusting mechanism. The hydraulic tire curing press provides two stage locking of an upper mold in a lock ring in order to reduce the down time required for mold height adjustment. Further, two stage locking provision in the lock ring along with a squeeze support plate and a squeeze cylinder arrangement isolates the guide columns from getting loaded during curing. The hydraulic tire curing press is fully automated by the use of programmable logic controller (PLC). Figure 1.

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

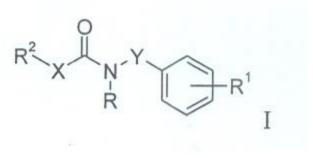
(22) Date of filing of Application :22/06/2012 (43) Publication Date : 27/11/2015

## (54) Title of the invention: SUBSTITUTED BENZAMIDE DERIVATIVES

(51) International classification	:C07D207/09	(71)Name of Applicant:
(31) Priority Document No	:09180504.4	1)F. HOFFMANN-LA ROCHE AG
(32) Priority Date	:22/12/2009	Address of Applicant :124 GRENZACHERSTRASSE, CH-
(33) Name of priority country	:EPO	4070 BASEL Switzerland
(86) International Application No	:PCT/EP2010/070045	(72)Name of Inventor:
Filing Date	:17/12/2010	1)GROEBKE ZBINDEN, KATRIN
(87) International Publication No	:WO 2011/076678	2)NORCROSS, ROGER
(87) International Lubilication (80)	A1	3)PFLIEGER, PHILIPPE
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/14	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to compounds of formula wherein R is hydrogen or lower alkyl; R1 is -(CH2)n-(O)o-heterocycloalkyl or -C(O)-heterocycloalkyl, wherein the heterocycloalkyl group is optionally substituted by lower alkyl, hydroxy, halogen or by -(CH2)paryl; n is 0,1 or 2; o is 0 or 1; p is 0, 1 or 2; R2 is CF3, cycloalkyl, optionally substituted by lower alkoxy or halogen, or is indan-2yl, or is heterocycloalkyl, optionally substituted by heteroaryl, or is aryl or heteroaryl, wherein the aromatic rings are optionally substituted by one or two substituents, selected from lower alkyl, halogen, heteroaryl, hydroxy, CF3, OCF3, OCH2CF3, OCH2cycloalkyl, OCH2C(CH2OH)(CH2Cl)(CH3), S-lower alkyl, lower alkoxy, CH2-lower alkoxy, lower alkinyl or cyano, or by-C(O)phenyl, -O-phenyl, -O-CH2-phenyl, phenyl or -CH2-phenyl, and wherein the phenyl rings may optionally be substituted by halogen, -C(O)-lower alkyl, -C(O)OH or -C(O)o-lower alkyl, or the aromatic rings are optionally substituted by heterocycloalkyl, OCH2oxetan-3-yl or O-tetrahydropyran-4-yl, optionally substituted by lower alkyl; X is a bond, -NR-, -CH2NH-, -CHR-, -(CHR)q-O-, -O-(CHR)q- or -(CH2)2-; Y is a bond or -CH2- R is hydrogen or lower alkyl, R is hydrogen, lower alkyl, CF3, lower alkoxy, q is 0,1, 2 or 3; or to a pharmaceutically suitable acid addition salt thereof. It has now been found that the compounds of formula I have a good affinity to the trace amine associated receptors (TAARs), especially for TAAR1. The compounds may be used for the treatment of depression, anxiety disorders, bipolar disorder, attention deficit hyperactivity disorder (ADHD), stress-related disorders, psychotic disorders such as schizophrenia, neurological diseases such as Parkinsons disease, neurodegenerative disorders such as Alzheimers disease, epilepsy, migraine, hypertension, substance abuse and metabolic disorders such as eating disorders, diabetes, diabeteic complications, obesity, dyslipidemia, disorders of energy consumption and assimilation, disorders and malfunction of body temperature homeostasis, disorders of sleep and circadian rhythm, and cardiovascular disorders.



No. of Pages: 196 No. of Claims: 18

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : IGNITION AND PRESSURE MEASUREMENT DEVICE OF AN INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01L23/22 :0906365 :28/12/2009 :France :PCT/FR2010/000878 :27/12/2010	3)FEDERAL-MOGUL IGNITION COMPANY
(87) International Publication No	:WO 2011/080424 A2	(72)Name of Inventor : 1)BEGOUT, MARC
<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	2)KAMEL, BERNARD

## (57) Abstract:

The invention relates to an ignition and pressure measurement device comprising a spark plug (2) comprising: an outer body (14); a pressure sensor (34) mounted on said outer body (14) and comprising a signal output terminal (38); a support tube (4) permanently interlocked with an upper end of the outer body and supporting electronic means (44) for processing said signal; a conducting element (46) attached, on one hand, to the output terminal (38) of the pressure sensor, and on the other hand to an input terminal of the electronic processor means (44); a metal shell (6) surrounding the support tube, the electronic processor means and the pressure sensor, which shell comprises handling means (60) for mounting the device into a cylinder head and is attached, at its lower end, to the outer body of the spark plug. Figure 2

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

(21) Application No.2362/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SLOT AND PIN SLIDING MECHANISM FOR LOCKING/UNLOCKING OF THE SEGMENT MOLD IN HYDRAULIC TIRE CURING PRESS

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	Address of Applicant :PRODUCT DEVELOPMENT
(33) Name of priority country	:NA	CENTRE MODULE W2-D, L&T BYPASS ROAD,
(86) International Application No	:NA	MALUMICHAMPATTI COIMBATORE - 641 021 Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NATESON SUDHARSANAN
Filing Date	:NA	2)MUTHU ARUNACHALAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a mechanism for locking/unlocking the segment mold in hydraulic tire curing press. The mechanism includes a guide rod having an upper end secured to a lever and a slider connected to the lower end of the guide rod. The slider includes a slot configured therein. The mechanism further includes a plunger communicating with a hydraulic cylinder for expansion/contraction of the segmental mold. The mechanism furthermore includes a male bayonet ring inserted in the plunger. The male bayonet ring is capable of being rotated about its own axis and includes a pivot pin threaded thereon for sliding within the slot of the slider. Wherein upon rotating the lever in any one of clockwise direction and counter clockwise direction, the pivot pin slides within the slot provided in the slider to ensure a rotary motion in the bayonet ring through which the male bayonet ring gets locked/unlocked with the female bayonet ring attached on to the segment mold. Figure 1.

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

(22) Date of filing of Application :29/06/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: LAYERED COMPOSITE MATERIAL FOR USE IN A REDOX FLOW BATTERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01M, C01B31/04 :10 2009 055 441.6 :31/12/2009 :Germany :PCT/EP2010/070974 :31/12/2010 :WO 2011/080334 A2 :NA :NA	(71)Name of Applicant:  1)SGL CARBON SE Address of Applicant:RHEINGAUSTRASSE 182, 65203 WIESBADEN Germany (72)Name of Inventor: 1)OTTINGER, OSWIN 2)SCHMITT, RAINER 3)BACHER, JURGEN 4)MECHEN, SYLVIA 5)HUDLER, BASTIAN
(61) Patent of Addition to Application	:NA	4)MECHEN, SYLVIA
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a layered composite material which is suitable, in particular, for use in a redox flow battery, comprising at least one layer of a textile fabric and at least one graphite-containing moulded body which is obtained by a method in which graphite particles are mixed with at least one solid organic additive to form a mixture and the thus obtained mixed is then compressed.

No. of Pages: 39 No. of Claims: 21

(21) Application No.1225/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: UPPER DRIVING TYPE JUICE EXTRACTOR

#### (57) Abstract:

Provided is an upper driving type juice extractor in which a driving part is mounted at an upper side of an I-shaped main body having a front groove through which an extracting part is inserted and removed and a rear groove through which a residue container is inserted and removed.

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

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : FRAME FOR MAIN BODY OF UPPER DRIVING TYPE JUICE EXTRACTOR, AND FRAME ASSEMBLY USING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A23N1/00 :10-2014- 0056113	(71)Name of Applicant: 1)HAPPYCALL CO., LTD. Address of Applicant: 104-2, GOLDEN ROOT-RO,
(32) Priority Date		JUCHON-MYEON, GIMHAE-SI, GYEONGSANGNAM-DO
(33) Name of priority country	:Republic of Korea	621-842, REPUBLIC OF KOREA Republic of Korea (72)Name of Inventor:
(86) International Application No	:NA	1)LEE, HYUN SAM
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A frame for a main body of an upper driving type juice extractor includes an upper frame; a lower frame; a connection frame configured to connect the upper frame with the lower frame, wherein the upper frame has a first through-hole and a second through-hole. Further, a frame assembly for a main body of an upper driving type juice extractor includes a frame including an upper frame having a first through-hole and a second through-hole, a lower frame, and a connection frame configured to connect the upper frame with the lower frame; a driving part mounted at an upper portion of the upper frame; and a lifting part installed at the lower frame, wherein a driving shaft of the driving part is inserted in the first through-hole.

No. of Pages: 56 No. of Claims: 4

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

(19) INDIA

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: UPPER DRIVING TYPE JUICE EXTRACTOR

#### (57) Abstract:

Provided is an upper driving type juice extractor including a mainbody having a material introduction port and a drivingpart disposed at an upper side thereof; an extracting part configured to be taken into and out of the main body; and a lift part configured to move the extracting part up and down, wherein a removable introduction port is further inserted in the material introduction port.

No. of Pages: 55 No. of Claims: 4

(22) Date of filing of Application :10/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ASSOCIATION OF A PORTABLE SENSOR DEVICE IN A BUILDING MANAGEMENT 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>	:18/04/2013 :WO 2013/158866 :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC BUILDINGS LLC Address of Applicant: One High Court North Andover Massachusetts 02845 U.S.A. (72)Name of Inventor: 1)BRISSMAN Jan
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

There is provided a building management system and a method for associating a portable sensor device with a stationary control device in such a system. Upon detection of a movement of the portable sensor device the portable sensor device starts to transmit signals more frequently to the stationary control devices. It is determined that the movement of the portable sensor device has stopped if the signal strength of the transmitted signals received at the stationary control devices is essentially constant during a time window. In response to such a determination the portable sensor device is associated with the stationary control device having the highest received signal strength and the portable sensor device returns to an energy saving mode.

No. of Pages: 31 No. of Claims: 15

(21) Application No.2537/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR PRODUCING MOULDS AND CORES FOR METAL CASTING AND MOULDS AND CORES PRODUCED ACCORDING TO THIS 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</li> </ul>	:10 2012 103 705.1 :26/04/2012 :Germany	(71)Name of Applicant:  1)ASK CHEMICALS GMBH  Address of Applicant: Reisholzstrasse 16 18 40721 Hilden  Germany (72)Name of Inventor:  1)KOCH Diether  2)SCHMIDT Oliver
(61) Patent of Addition to Application	:NA	2)SCHWID I OHVEI
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

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

²²The invention relates to a method for producing casting moulds and cores in which a foundry base material comprising at least one refractory material and a binder curable by CO preferably based on water glass is cured by gassing with CO and flushing with a second gas. The invention further relates to moulds and cores produced according to this method.

(22) Date of filing of Application :10/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD FOR ADJUSTING RESOURCE CONFIGURATION RADIO NETWORK CONTROLLER AND BASE STATION

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT Filing Date :28/0	Address of Applicant :Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor: 1)YAN Kun 2)LI Bingzhao 3)CHEN Yanyan 4)ZHENG Xiaoxiao	
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#### (57) Abstract:

The present application provides a method for adjusting resource configuration a radio network controller and a base station. The method comprises: sending configuration information of an uplink common enhanced dedicated transmission channel E DCH resource pool to a base station the configuration information of the uplink common E DCH resource pool comprising information of a first resource pool corresponding to a first transmission time interval and information of a second resource pool corresponding to a second transmission time interval; receiving indication information that is sent by the base station according to use condition of the resource pool; and adjusting configuration of the first resource pool according to the indication information. In embodiments of the present application the radio network controller may receive indication information that is sent by the base station according to resource use condition of resource pools corresponding to different transmission time intervals so as to adjust the resource configuration of the resource pool according to the indication information thereby dynamically adjusting the range of the resource pool when multiple transmission time intervals coexist.

No. of Pages: 68 No. of Claims: 50

(22) Date of filing of Application :20/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: FILTERING DEVICE WITH HIGH 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></ul>	:102142653 :22/11/2013 :Taiwan	ENTRIPRISE Address of Applicant :11F., NO 24, LN. 71, ANDE ST.,
(86) International Application No Filing Date	:NA :NA	XINDIAN DIST., NEW TAIPEI CITY 231 TAIWAN, R.O.C Taiwan
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)CHIN, SHAO WEI
Filing Date	:NA	2)TSAIR GANN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A filtering device with high efficiency is connected with an input pipe and an output pipe. In the filtering device with high efficiency, a housing accommodates a porous filter cartridge and is connected with the input pipe and the output pipe, and the porous filter cartridge has a plurality of pores, and the pores are connected through winding paths. A liquid flows from the input pipe to the housing, and then the porous filter cartridge filters the liquid, and then the liquid outputs from the output pipe.

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

(21) Application No.2554/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: AIR CONDITIONER

:F24F13/30,F24F1/00,F25B1/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012093127 (32) Priority Date :16/04/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/060349

Filing Date :04/04/2013

(87) International Publication No: WO 2013/157402

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

:NA Number :NA Filing Date

1)DAIKIN INDUSTRIES LTD.

Address of Applicant: Umeda Center Building 4 12 Nakazaki Nishi 2 Chome Kita Ku Osaka Shi Osaka 5308323 Japan

(72) Name of Inventor:

1)HAIKAWA Tomoyuki

#### (57) Abstract:

Indoor fans are prone to the occurrence of condensation. The air conditioner of the present invention comprises an indoor heat exchanger having an auxiliary heat exchanger (20) and a main heat exchanger (21) that is arranged on the downstream side of the auxiliary heat exchanger (20). The auxiliary heat exchanger (20) is arranged in front of a front surface heat exchanger (21a) for the main heat exchanger (21). During operation in a predetermined dehumidifying operation mode all of the liquid refrigerant supplied to the auxiliary heat exchanger (20) evaporates partway through the auxiliary heat exchanger (20). Refrigerant that has flowed through a superheating region of the auxiliary heat exchanger (20) flows through the portion of the front surface heat exchanger (21a) that is on the downstream side of an evaporation region of the auxiliary heat exchanger (20).

No. of Pages: 37 No. of Claims: 6

(21) Application No.2555/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD AND BASE STATION FOR HANDLING RADIO RESOURCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H04W72/08 :NA :NA :NA :PCT/SE2012/050448 :30/04/2012 :WO 2013/165282 :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)MANSSOUR Jawad
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and a base station (500) configured to serve a first cell in a cellular network for supporting radio resource management in the cellular network. When receiving an indication of uplink interference experienced in a neighbouring second cell the base station identifies interfered bandwidth resources on which the interference is experienced and detects that these resources coincide with resources that have been allocated to User Equipments UEs in the first cell. When the interfered bandwidth resources coincide with resources that have been allocated to cell edge UEs (504) in the first cell the base station allocates bandwidth resources separate from the interfered resources to the cell edge UEs. Further when the interfered bandwidth resources coincide with resources allocated to cell centre UEs (506) in the cell the base station applies power control for transmissions made by the cell centre UEs on the interfered resources. In this way resource re allocation will be made more efficiently and not when it is not likely to reduce the interference instead applying power control.

No. of Pages: 26 No. of Claims: 14

(21) Application No.2556/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : METHOD OF PREPARING POTASSIUM SALT OF AZILSARTAN MEDOXOMIL OF HIGH PURITY

(51) International classification	:C07D413/14	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:PV 2012274 :19/04/2012	1)ZENTIVA K.S. Address of Applicant :U Kabelovny 130 102 37 Praha 10
(33) Name of priority country	:Czech Republic	Czech Republic
(86) International Application No		(72)Name of Inventor:
Filing Date	:15/04/2013	1)MOHAMED Sharmarke
(87) International Publication No	:WO 2013/156005	2)RIDVAN Ludek
(61) Patent of Addition to Application	:NA	3)RADL Stanislav
Number	:NA	4)CERNY Josef
Filing Date	.IVA	5)DAMMER Ondrej
(62) Divisional to Application Number	:NA	6)KREJCIK Lukas
Filing Date	:NA	7)STACH Jan

## (57) Abstract:

The present solution relates to new forms of (5 methyl 2 oxo 1 3 dioxol 4 yl)methyl ester of 1 [[2 (2 5 dihydro 5 oxo 1 2 4 oxadiazol 3 yl)[1 1 biphenyl] 4 yl]methyl] 2 ethoxy 1H benzimidazole 7 carboxylic acid (azilsartan medoxomil) of formula I and a method of their preparation. The solution also relates to use of these new forms in preparing the potassium salt of azilsartan medoxomil.

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

(21) Application No.2557/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: VERTICAL SHAFT IMPACT CRUSHER FEED TUBE

:B02C13/286,B02C13/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :12169107.5

(32) Priority Date :23/05/2012

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2013/060335 Filing Date :20/05/2013 (87) International Publication No :WO 2013/174773

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

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

1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant :SE 811 81 Sandviken Sweden

(72)Name of Inventor: 1)DALLIMORE Rowan 2)FORSBERG Andreas 3)KJAERRAN Knut

### (57) Abstract:

A vertical shaft impact crusher feed tube (34) is adapted for protecting a rotor feeding opening (32) of a feeding funnel (14) of a vertical shaft impact crusher. The feed tube (34) comprises a tube portion (42) via which material may flow from the feeding funnel (14) and vertically downwards into a rotor. The tube portion (42) has a first width (D1) at a material inlet (50) and a second width (D2) at a material outlet (52) wherein the second width (D2) is larger than the first width (D1).

No. of Pages: 19 No. of Claims: 14

(21) Application No.2590/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD OF MAKING A CBN MATERIAL

(51) International classification :B22F3/10,C04B35/583,C04B35/645

(31) Priority Document No :61/653686 (32) Priority Date :31/05/2012 (33) Name of priority

country :U.S.A.

(86) International PCT/EP2013/061309 Application No

Filing Date :31/05/2013

(87) International Publication No :WO 2013/178804

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

NA

:NA

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

(71)Name of Applicant:

1)SANDVIK INTELLECTUAL PROPERTY AB
Address of Applicant :SE 811 81 Sandviken Sweden

(72)Name of Inventor:
1)WEINL Gerold
2)KAUPPI Annika
3)M...RTENSSON Malin
4)SELINDER Torbjrn

5)SHAO Rui

## (57) Abstract:

xyzaxyza23The present invention relates to a method of making a cBN material comprising the steps of: providing a powder mixture comprising cBN grains aluminum and a Ti(CNO) powder subjecting the powder mixture to a milling to form a powder blend subjecting the powder blend to a forming operation to form a green body subjecting said green body to a pre sintering step at a temperature between 650 to 950°C to form a pre sintered body subjecting said pre sintered body to a HPHT operation to form the cBN material; where the Ti(CNO) powder is stoichiometric so that 0.05 <z<0.4. The present invention also relates to a cBN material made according to the method. In addition the present invention relates to a cBN material comprising cBN grains an AlO phase a binder phase of TiC TiN and/or TiCN W and Co whereby a quotient Q is <0.25 of the cBN material.

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

(21) Application No.2591/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 27/11/2015

(54) Title of the invention : GATE VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16K3/14 :10 2012 209 031.2 :30/05/2012 :Germany :PCT/EP2013/060569 :23/05/2013 :WO 2013/178519 :NA :NA :NA	(71)Name of Applicant:  1)KSB AKTIENGESELLSCHAFT Address of Applicant: Johann Klein Strae 9 67227 Frankenthal Germany (72)Name of Inventor: 1)KUBOTH Hartmut 2)KLIMPKE Reinhard
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#### (57) Abstract:

The invention relates to a gate valve with a housing (1) two seat rings (20) arranged in the housing (1) and two slide plates (12) arranged between the seat rings (20) which can be brought into contact with the two seat rings (20) via an actuating device (7). According to the invention each slide plate (12) has on the side facing the respective other slide plate (12) a depression (28) in which a respective pressure pad (22a 22b) is arranged wherein each pressure pad (22a 22b) has a recess (34 37) on the side facing the respective other pressure pad the recesses (34 37) together forming a chamber (40) in which a spring assembly (23) is accommodated comprising a plurality of plate springs (41) with a respective first spring force and a first spring deflection and a plurality of plate springs (42) with a respective second spring force and a second spring deflection wherein the first spring force is greater than the second spring force and the first spring deflection is less than the second spring deflection.

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

(21) Application No.2592/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/11/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: HEAT PUMP AND METHOD FOR PUMPING HEAT IN A FREE COOLING MODE

:F25B25/00,H05K7/20 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)EFFICIENT ENERGY GMBH :102012208174.7 (32) Priority Date Address of Applicant: Hans Riedl Str. 5 85622 Feldkirchen :16/05/2012 (33) Name of priority country :Germany Germany :PCT/EP2013/060064 (86) International Application No (72) Name of Inventor: Filing Date :15/05/2013 1)SEDLAK Holger (87) International Publication No :WO 2013/171271 2)KNIFFLER Oliver (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A heat pump comprises an evaporator (10) with an evaporator inlet (10a) and an evaporator outlet (10b); a compressor (32) for compressing operating liquid evaporated in the evaporator (10); and a condenser (12) for condensing evaporated operating liquid compressed in the compressor (32) wherein the condenser (12) comprises a condenser inlet (12a) and a condenser outlet (12b) wherein the evaporator inlet (15b) is connected to a return (16b) from a region to be heated (16) and wherein the condenser inlet (12a) is connected to a return (14b) from a region to be cooled.

No. of Pages: 24 No. of Claims: 18

(21) Application No.2593/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: OVERVOLTAGE ARRESTER FOR HIGH VOLTAGES

(51) International classification :G01K5/48,H01C7/12,H01T1/14 (71)Name of Applicant :

(31) Priority Document No :10 2012 210 331.7

(32) Priority Date :19/06/2012

(33) Name of priority country :Germany

(86) International Application No:PCT/EP2013/061229

Filing Date :31/05/2013

(87) International Publication No: WO 2013/189714

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

Germany

(72)Name of Inventor:

1)PREIDEL Axel

#### (57) Abstract:

The invention relates to an overvoltage arrester (1) for high voltages with a high voltage terminal that is connected to an arrester block (3) forming a nonlinear resistor and with a temperature sensor (13) for detecting the temperature of the arrester block (3). In order to enable a simple and reliable detection of the temperature of the arrester block continually during the operation thereof according to the invention the temperature sensor (13) detects the change of the longitudinal extent of the arrester block (3).

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

(21) Application No.1167/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 13/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: REFRIGERATOR

(51) International classification	:F25D23/02	(71)Name of Applicant:
(31) Priority Document No	:10-2014- 0015278	1)LG ELECTRONICS INC. Address of Applicant :128, YEOUI-DAERO,
(32) Priority Date	:11/02/2014	YEONGDEUNGPO-GU, SEOUL 150-721, REPUBLIC OF
(33) Name of priority country	:Republic of Korea	KOREA Republic of Korea (72)Name of Inventor:
(86) International Application No	:NA	1)DONGBEEN TAE
Filing Date	:NA	2)KYUNGHOON KOAK
(87) International Publication No	: NA	3)SIYEON AN
(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:

Provided is a refrigerator. The refrigerator includes a main body having a refrigerating compartment and a freezing compartment, a door that opens or closes the refrigerating compartment or the freezing compartment, a dispenser disposed in the door to dispense cold water; a filter unit disposed within the refrigerating compartment to purify water supplied from a water supply source outside the main body, a water tank storing the water supplied from the filter unit to cool the stored water by using cool air within the refrigerating compartment, and a tube tank assembly disposed in the door to store the cold water cooled in the water tank. The tube tank assembly includes a tube defining a cold water passage through which the cold water flows and a tube support around which the tube is wound several times.

No. of Pages: 66 No. of Claims: 23

(21) Application No.1168/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :13/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM FOR CONTROLLING FLOW RATE OF COOLING WATER IN CONTINUOUS CASTING

(31) Priority Document No :10-2013- 0138524	16 (71)Name of Applicant: 1)POSCO Address of Applicant:6261, DONGHAEAN-RO, NAM-GU, POHANG-SI, GYEONGSANGBUK-DO, 790-300, REPUBLIC OF KOREA Republic of Korea (72)Name of Inventor: 1)HWANG, JONG YEON
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#### (57) Abstract:

Disclosed is a system for controlling a flow rate of cooling water in continuous casting. The system includes a main pipe having a main valve installed thereto, a sub-pipe branching from the main pipe and having a sub-valve installed thereto, and a controller serving to compare a minimum flow rate of the cooling water set by the main valve with a target flow rate of the cooling water to be sprayed towards a metal section and, when the target flow rate is determined to be smaller than the minimum flow rate, to transmit an opening signal to the sub-valve to allow a portion of cooling water to bypass through the sub-pipe.

No. of Pages: 26 No. of Claims: 3

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

(71)Name of Applicant:

(72)Name of Inventor:

2)PESCH Daniel

3)WOLF Stefan

4)ZLYDNIK Rene

1)HOHMANN Stefan

(19) INDIA

(22) Date of filing of Application:15/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: THREE POSITION LOAD ISOLATING SWITCH FOR MEDIUM VOLTAGE SWITCHGEAR **ASSEMBLIES**

(51) International :H01H31/00,H01H33/666,H01H3/42

classification (31) Priority Document No :10 2012 210 720.7

(32) Priority Date :25/06/2012 (33) Name of priority

:Germany country

(86) International :PCT/EP2013/061437 Application No

:04/06/2013 Filing Date

(87) International :WO 2014/001029 Publication No

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

:NA

Germany

(57) Abstract:

Filing Date

In order to design a three position load isolating switch for medium voltage switchgear assemblies which three position load isolating switch can be produced in a cost effective manner with a compact construction a three position load isolating switch (1) for medium voltage switchgear assemblies having a main contact system is formed from a first fixed contact (2) and from a second fixed contact (3) said fixed contacts being situated diametrically opposite one another and from a moving contact (4) which can be rotated by means of a rotary support (7) which is arranged centrally between the first fixed contact (2) and the second fixed contact (3) so as to form a main current path in a first position of the rotatable moving contact (4) so as to form an isolating section in a second position of the rotatable moving contact (4) and so as to form an earthing position with an earthing contact system in a third position of the rotatable moving contact and also from a secondary current path which is formed from the first fixed contact (2) from the second fixed contact (3) from an arc quenching contact system (9) and also from a first sliding contact (15) and a second sliding contact (16) for forming a conductive connection to the rotatable moving contact (4) in a rotation angle region of the rotatable moving contact (4) which rotation angle region is located between the first position and the second position in such a way that when a rotary movement is initiated in the rotatable moving contact (4) commutation of an alternating current which flows across the switchgear from the main current path to the secondary current path is possible wherein the rotatable moving contact (4) has means (18 19 25) for interrupting the arc quenching contact system (9) and when the arc is quenched and a further rotary movement is initiated the isolating section can be formed.

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

(21) Application No.2604/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/11/2014 (43) Publication Date : 27/11/2015

:NA

# (54) Title of the invention : METHOD AND APPARATUS FOR TRANSCEIVING DATA FOR MULTIMEDIA TRANSMISSION SYSTEM

:H04N21/23,H04N21/43 (71)Name of Applicant : (51) International classification 1)SAMSUNG ELECTRONICS CO. LTD. (31) Priority Document No :61/638048 (32) Priority Date :25/04/2012 Address of Applicant :129 Samsung ro Yeongtong gu Suwon (33) Name of priority country si Gyeonggi do 443 742 Republic of Korea :U.S.A. (72) Name of Inventor: (86) International Application No :PCT/KR2013/003582 Filing Date :25/04/2013 1)PARK Kyung Mo (87) International Publication No :WO 2013/162312 2) RHYU Sung Ryeul (61) Patent of Addition to Application 3)HWANG Sung Oh :NA Number 4)SONG Jae Yeon :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

Disclosed are a method and apparatus for transceiving data for a multimedia transmission system. The method of the present invention comprises the steps of: inputting a second data unit consisting of one or more first data units from an encapsulation function layer; analyzing the header information of the second data unit with a view to forming payload header information including a payload type and component information; forming one or more payloads from the second data unit in accordance with the sizes of the first data units; combining pieces of payload header information relevant to each payload with a view to forming a multimedia data packet; and transmitting the multimedia data packet to a counterpart entity. The payload includes at least one payload element the type of which is selected from among a first type including one first data unit a second type including header information of one first data unit and a portion of data or only a portion of data a fourth type including header information of the second data unit and a fifth type including the entirety of the second data unit.

No. of Pages: 33 No. of Claims: 12

(21) Application No.2605/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : SUBSTITUTED 6 AMINO NICOTINAMIDES BEARING AN OH CONTAINING GROUP AS KCNQ2/3 MODULATORS

(51) International classification :C07D213/82,A61K31/4 (31) Priority Document No :12002709.9

(32) Priority Date :18/04/2012

(33) Name of priority country :EPO :PCT/EP2013/001134

Filing Date :17/04/2013

(87) International Publication No :WO 2013/156154

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

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

:C07D213/82,A61K31/444 (71)**Name of Applicant :** 

1)GRNENTHAL GMBH

Address of Applicant : Zieglerstrae 6 52078 Aachen Germany

(72)Name of Inventor:

1)LUCAS Simon 2)KHNERT Sven

3)BAHRENBERG Gregor 4)SCHR-DER Wolfgang

5)KLESS Achim

#### (57) Abstract:

The invention relates to substituted 6 amino nicotinamides bearing an OH containing group 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: 89 No. of Claims: 15

(21) Application No.2606/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SUBSTITUTED 4 AMINOBENZAMIDES AS KCNQ2/3 MODULATORS

(51) International classification	:C07D295/155,A61K31/5375	(71)Name of Applicant:
(31) Priority Document No	:12002688.5	1)GRNENTHAL GMBH
(32) Priority Date	:18/04/2012	Address of Applicant : Zieglerstrae 6 52078 Aachen Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/001135	1)LUCAS Simon
Filing Date	:17/04/2013	2)KHNERT Sven
(87) International Publication No	:WO 2013/156155	3)BAHRENBERG Gregor
(61) Patent of Addition to	:NA	4)SCHR-DER Wolfgang
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.NA	

### (57) Abstract:

The invention relates to substituted 4 aminobenzamides 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: 216 No. of Claims: 15

(21) Application No.2607/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: THERMALLY INSULATED PIPE RACK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16L59/135,F16L3/10 :10 2012 209 764.3	(71)Name of Applicant : 1)LISEGA SE
(32) Priority Date	:12/06/2012	Address of Applicant :Hochkamp 5 7 27404 Zeven Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/059153	1)MEYER L ¹ / ₄ der
Filing Date	:02/05/2013	2)SENKPIEL Florian
(87) International Publication No	:WO 2013/185977	
(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 thermally insulated pipe rack for a pipeline having a continuous receiving space (2) for a pipe section which receiving space (2) is adapted to the cross section of the pipeline a thermal insulation layer (3) made from solid insulation material which thermal insulation layer (3) surrounds the receiving space (2) an outer protective coating (4) a vapour barrier (5) which is arranged between the thermal insulation layer (3) and the outer protective coating (4) two partially circular rack shells (6 7) which are connected to one another by clamping screws (8) and axial fixing of the rack parts relative to the rack shells (6 7). In order to produce a robust design of the rack the rack shells (6 7) are configured at both rack ends to be shorter in the axial direction than the remaining rack parts wherein a free rack section (14) remains. In the region of the free rack sections (14) on both sides bearing elements (15) are provided which bear directly against the front ends of the rack shells (6 7). The bearing elements (15) are fixed with the aid of headed bolts (17) which are screwed in radially and are anchored through the protective coating (4) and the vapour barrier (5) in the solid thermal insulation layer (3).

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

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention : METHOD DEVICE AND SYSTEM FOR REPORTING SIGNAL QUALITY MEASUREMENT RESULT

(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	NA NA NA PCT/CN2012/075408 11/05/2012 WO 2013/166729 NA NA	<ul> <li>(71)Name of Applicant:</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor: <ol> <li>1)ZHI Yuliang</li> <li>2)CHEN Yanyan</li> </ol> </li> </ul>
· /	NA NA	

#### (57) Abstract:

Disclosed are a method device and system for reporting a signal quality measurement result which relate to the field of communications so that a terminal can report a signal quality measurement result of an adjacent channel. Disclosed is a method for reporting a signal quality measurement result comprising: receiving adjacent channel frequency information an adjacent channel signal quality reporting volume and a reporting threshold corresponding to the adjacent channel signal quality reporting volume that are delivered by a wireless network node; performing measurement according to the adjacent channel frequency information to obtain an adjacent channel signal quality measurement result; and reporting the adjacent channel signal quality measurement result to the wireless network node in a preset bit string format. The embodiments of the present application are mainly applicable to the redirection handover and cell change operations of the terminal.

No. of Pages: 33 No. of Claims: 17

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

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: AN ELECTRIC MOTOR OR GENERATOR SYSTEM

(51) International classification	:B60K7/00	(71)Name of Applicant:
(31) Priority Document No	:1208101.4	1)PROTEAN ELECTRIC LIMITED
(32) Priority Date	:09/05/2012	Address of Applicant :Protean Electric Limited Silvertree Unit
(33) Name of priority country	:U.K.	10b Coxbridge Business Park Alton Road Farnham Surrey GU10
(86) International Application No	:PCT/IB2013/052987	5EH U.K.
Filing Date	:15/04/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/168029	1)FRASER Alexander
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An electric motor or generator system comprising a stator a rotor a first bearing a first coupling device and a second coupling device wherein the second coupling device includes a first coupling element arranged to be coupled to a vehicle and a second coupling element coupled to the rotor with a second bearing mounted between the first coupling element and the second coupling element to allow the rotor to rotate relative to the vehicle wherein the first bearing is mounted between a surface of the stator and a surface of the rotor or the second coupling element to allow the rotor to rotate relative to the stator and the first coupling device is arranged to substantially preventing movement of the stator relative to the first coupling element in a first degree of freedom while allowing movement of the stator relative to the first coupling element in at least a second degree of freedom.

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

(21) Application No.2623/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: REFERENCE SIGNAL DESIGN FOR SPECIAL SUBFRAME CONFIGURATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04L5/00 :61/645691 :11/05/2012 :U.S.A. :PCT/SE2012/050963 :13/09/2012 :WO 2013/169160 :NA :NA :NA	(71)Name of Applicant:  1)OPTIS WIRELESS TECHNOLOGY LLC Address of Applicant: P.O. Box 250649 Plano TX 75025 U.S.A. (72)Name of Inventor: 1)SONG Xinghua 2)HOYMANN Christian 3)ERIKSSON Erik
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#### (57) Abstract:

Example embodiments are directed towards a base station and corresponding method therein for transmitting reference signals in a TOD wireless communications network if a transmission format Is a Demodulation Reference Signal (DMRS) based format the base station may transmit to a user equipment reference signals according a time and frequency Orthogonal Frequency Division Multiplex: (OFDM) grid featuring a special subframe configuration with a 6;6;2 timing ratio where a DMRS: pattern is spanned among four time and frequency OFDM symbols.

No. of Pages: 38 No. of Claims: 36

(21) Application No.2624/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: CYLINDER LINER AND METHOD FOR PRODUCING SAME

:C23C4/02,C23C4/06,C23C4/08 (71)Name of Applicant : (51) International classification :10 2012 015 405.4

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

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2013/058857 Filing Date :29/04/2013 (87) International Publication No: WO 2014/019723

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)FEDERAL MOGUL BURSCHEID GMBH

Address of Applicant: B1/4rgermeister Schmidt Str. 17 51399

Burscheid Germany (72)Name of Inventor: 1)GOEDEL Peter 2)SCHERER Volker

3)BUCHMANN Michael

#### (57) Abstract:

The invention relates to a method for manufacturing a thermically sprayed thin walled cylinder liner for inserting into an engine block and an engine block produced by said method.

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

(21) Application No.2625/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :18/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: STRUCTURAL ARRANGEMENT FOR GARMENT HEM

<ul><li>(51) International classification</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>	:A41F9/00 :MU 2020120124390 :24/05/2012 :Brazil :PCT/BR2013/000099	(71)Name of Applicant:  1)SILVA Renata Moiss Iwamizu Address of Applicant :Av. Miguel Dhama 1889 casa 19N Condomnio Village MIrassol II CEP: 15130 000 Mirassol SP Brazil
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:28/03/2013 :WO 2013/173892 :NA :NA :NA :NA	(72)Name of Inventor : 1)SILVA Renata Moiss Iwamizu

#### (57) Abstract:

A structural arrangement for garment hems was developed to allow a normal masculine or feminine garment

No. of Pages: 12 No. of Claims: 1

⁽¹⁾ trousers bermudas skirts dresses or the like to include an elastic arrangement in an interrupted portion (2) of the hem that divides the hem into two segments a front segment (3a) and a back segment (3b) in such a way that this elastic arrangement on both sides of the garment left and right is sufficient to allow the hem to be automatically adjusted increasing or reducing the garment by two or more sizes and rendering the garment more comfortable for the user in particular when seating down or standing up or performing other movements requiring bending at the waist.

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention : THERMAL MANAGEMENT OF A COMMUNICATION TRANSCEIVER IN AN ELECTRICAL COMMUNICATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:28/05/2013 :WO 2013/181168 :NA :NA :NA	(71)Name of Applicant:  1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant: 2350 NE Hopkins Court Pullman Washington 99163 U.S.A. (72)Name of Inventor: 1)ACHANTA Shankar V. 2)GAMMEL Dennis 3)THOMAS Mark A.
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein are various systems and methods relating to communication devices that include modular transceivers such as small form pluggable transceivers. According to one embodiment a communication device may include a chassis defining an interior and an exterior of the communication device. The chassis includes a top a bottom and a plurality of sides that together with the top and the bottom form an enclosure. One of the sides may include a first segment disposed in a first plane and a second segment disposed in a second plane. The second segment includes an outwardly extending communication transceiver housing configured to receive a communication transceiver. The communication transceiver may extend through an aperture in the second segment and into interior of the communication device to contact an electrical connector while a second portion of the communication transceiver in the communication transceiver housing remains on the exterior of the communication device.

No. of Pages: 22 No. of Claims: 20

(21) Application No.2628/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: CLAMPING CONNECTION FOR PIPES

(51) International classification :F16L33/22,F16L37/138 (71)Name of Applicant : (31) Priority Document No 1)GEORG FISCHER JRG AG :12172685.5 (32) Priority Date Address of Applicant: Hauptstrasse 130 CH 4450 Sissach :20/06/2012 (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2013/061574 (72) Name of Inventor: Filing Date :05/06/2013 1)BRLI Stephan (87) International Publication No :WO 2013/189740 2)KN-RNSCHILD Thomas (61) Patent of Addition to Application 3) CAMELIN Enrico :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a clamping connection for pipes made of polymer material or made of composite materials containing a connection piece which has a supporting sleeve for the sliding on of a pipe to be connected and which is bounded at one end by a stop collar wherein a sealing element is arranged on the supporting sleeve wherein the clamping connection also comprises a clamping sleeve which is captively connected to the stop collar of the connection piece before the pipe installation wherein a pipe inserted onto the supporting sleeve is clamped by sliding the clamping sleeve over the pipe in a direction opposite to the insertion direction of the pipe.

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

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention : APERIODIC AND PERIODIC CSI FEEDBACK MODES FOR COORDINATED MULTI POINT TRANSMISSION

(51) International classification :H04B7/26,H04W24/10 (31) Priority Document No :61/661214 (32) Priority Date :18/06/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/KR2013/005360 Filing Date :18/06/2013 (87) International Publication No :WO 2013/191441

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

(62) Divisional to Application Number :NA Filing Date :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)SAYANA Krishna
2)NAM Young Han
3)NG Boon Loong
4)HAN Jin Kyu

5)NOVLAN Thomas 6)ZHANG Jianzhong

7)LEE Hyo Jin 8)KIM Youn Sun

### (57) Abstract:

Coordinate multi point (CoMP) transmission is facilitated by resolving collisions between feedback reporting. Based upon the conditions within the network collision resolution may be by dropping a channel report during a subframe multiplexing channel reports from a plurality of user equipment compressing channel reports from a plurality of user equipment and combined reporting either through joint reports or by using carrier aggregation for conditions between a user equipment and a plurality of transmission points. New signaling and reporting formats facilitate selection of a collision resolution suitable for current network conditions.

No. of Pages: 90 No. of Claims: 20

(21) Application No.2630/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

(54) Title of the invention: CLIP

:F16B5/06,F16B5/07,F16B21/08 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012101830 (32) Priority Date :26/04/2012

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2013/061540

Filing Date :18/04/2013

(87) International Publication No: WO 2013/161680

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

:NA Number :NA

Filing Date

1)NIFCO INC.

Address of Applicant: 184 1 Maioka cho Totsuka ku

Yokohama shi Kanagawa 2448522 Japan

(72) Name of Inventor: 1)NAOI Hajime

#### (57) Abstract:

A clip (30) comprises: a clip main body (40); an arm portion (50) that is disposed in at least one of both end portions (41 and 42) of the clip main body (40) along a virtual straight line (V) in the clip main body (40) and extends toward the other side; an engagement portion (53) that is disposed on a tip side of the arm portion (50) and protrudes with respect to the clip main body (40); and a second inclined portion (58) that is disposed on the opposite side from the protruding side of the engagement portion (53) with respect to the clip main body (40) in the clip main body (40) and protrudes with respect to the clip main body (40). The arm portion (50) can be elastically deformed toward the clip main body (40) side so that the amount of protrusion of the engagement portion (53) with respect to the clip main body (40) is small.

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

(21) Application No.1208/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :20/11/2014 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SAFETY SYRINGE

<ul> <li>(51) International classification</li> <li>(31) 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>	:A61M :102143887 :29/11/2013 :Taiwan :NA :NA	/- · · · / · · · · · · · · · · · · · ·
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	(72)Name of Inventor: 1)HUNG, CHIH-KUO
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A safety syringe includes a barrel having a positioning groove, a needle holder mounted in the barrel and having a first internal flange engaged in the positioning groove of the barrel and a first positioning flange, an interlocking seat mounted in the needle holder and having an elastic flap and a first external flange, and a plunger mounted in the barrel and having a second external flange. By means of engagement between the elastic flap of the interlocking seat and the second external flange of the plunger, the interlocking seat can be pulled by the plunger to let the first external flange to be forced into engagement with the first internal flange of the needle holder for allowing the needle holder with an attached needlestick to be pulled backwardly into the inside of the barrel to assure the safety of the syringe after the injection.

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

(21) Application No.2660/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: HOUSEHOLD APPLIANCE WITH A DEVICE FOR PROTECTION FROM HARMFUL **ENVIRONMENTAL INFLUENCES**

(51) International :D06F39/00,A47L15/00,A47L15/42

classification

(31) Priority Document No :10 2012 209 751.1 (32) Priority Date :12/06/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/061763

No :07/06/2013 Filing Date

(87) International Publication: WO 2013/186125

(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)BSH BOSCH UND SIEMENS HAUSGER..TE GMBH Address of Applicant :Carl Wery Str. 34 81739 M1/4nchen

Germany

(72) Name of Inventor: 1)GAUGER Dirk

#### (57) Abstract:

The invention relates to a household appliance (1) with a control device (2) a treatment container (3) for receiving objects (4) to be treated a visual and/or acoustic display device (5) and at least one sensor (6 15) wherein the sensor (6 15) is a sensor for measuring at least one property of an environment of the household appliance (1) at least one property is a contamination of air and/or water used in a treatment method and (a) the control device (2) is designed such that the performance of a treatment method is only allowed if a value of the measured property is within a permissible range for the measured property stored in the control device (2) and (b) the display device (5) displays the performance or a nonperformance of this treatment method. The invention also relates to a method for operating this household appliance.

No. of Pages: 22 No. of Claims: 11

(21) Application No.2661/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: BANK STRUCTURES FOR ORGANIC ELECTRONIC DEVICES

(51) International

:C08G61/08,H01L27/32,C08L65/00 classification

(31) Priority Document No :61/637988 (32) Priority Date :25/04/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2013/001147

:18/04/2013

Filing Date (87) International Publication :WO 2013/159881

(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)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250 64293

Darmstadt Germany 2)PROMERUS LLC (72)Name of Inventor:

1)MISKIEWICZ Pawel 2)BACKLUND Tomas 3)MAY Philip Edward

4)CULL Toby 5) RHODES Larry F. 6)ELCE Edmund 7)BELL Andrew

The invention relates to the use of polycycloolefinic polymers as structure defining material in organic electronic devices for example in separators insulating structures or bank structures of such devices and further relates to organic electronic devices comprising such polycycloolefinic polymer bank structures and to processes for preparing such polycycloolefinic polymer bank structures and organic electronic devices.

No. of Pages: 70 No. of Claims: 29

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

### (54) Title of the invention: SYSTEMS AND METHODS FOR PROTECTING A SWITCH MODE POWER 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> <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>	:07/06/2013 :WO 2013/188236 :NA :NA :NA	(71)Name of Applicant:  1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant:2350 NE Hopkins Court Pullman Washington 99163 U.S.A. (72)Name of Inventor: 1)RICE Raymond W.
Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure provides systems and methods for protecting a switch mode power supply (SMPS). An SMPS may include an input power connector an input rectifier and filter a transformer an output rectifier and filter and an output power connector. A control circuit may selectively generate a switching signal for driving the transformer based on a feedback signal and a protection signal generated by a protection circuit. The protection circuit may generate the protection signal with an asymmetric duty cycle oscillating between an enable state and an inhibit state. The protection signal may inhibit the control circuit from generating the switching signal when the protection signal is in the inhibit state. A detection circuit may receive the feedback signal and selectively force the protection signal to the enable state when the feedback signal indicates that an output voltage is too high.

No. of Pages: 46 No. of Claims: 28

(22) Date of filing of Application :29/12/2009

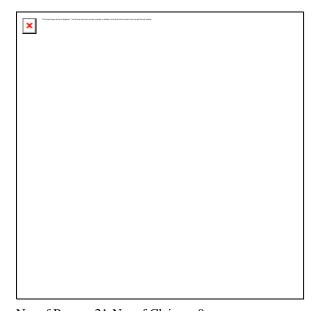
(43) Publication Date: 27/11/2015

# (54) Title of the invention: SILVER NANOPARTICLE COATED NATURAL FIBRES ESPECIALLY JUTE FIBER

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)S.N. BOSE NATIONAL CENTRE FOR BASIC
(32) Priority Date	:NA	SCIENCES
(33) Name of priority country	:NA	Address of Applicant :J.D. BLOCK, SECTOR III, SALT
(86) International Application No	:NA	LAKE KOLKATA 700098, INDIA West Bengal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DAS, DR. (MS.) ANINDYA
(61) Patent of Addition to Application Number	:NA	2)RAYCHAUDHURI, PROF. ARUP KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Silver nanoparticle coated jute fibre thereby rendering it rot resistant and a process of providing the said rot resistant jute fibre for its various end use/ application in the production of protective and durable surfaces having UV-blocking and antimicrobial properties. Particularly, the silver nanoparticle coated jute fibre enhances the physical properties of the said fibres such as its anti microbial properties, water repellence, soil resistance etc that may be utilized as a high value natural packaging material for packaging foods, medicines etc.



No. of Pages: 21 No. of Claims: 0

(22) Date of filing of Application :21/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: OPERATING A COMPUTING DEVICE BY DETECTING ROUNDED OBJECTS IN AN IMAGE

(51) International classification :G06F3/048,G06F3/01,G06F3/03 (71) Name of Applicant : (31) Priority Document No :61/646716

:14/05/2013

(32) Priority Date :14/05/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/041023

No Filing Date

(87) International Publication No:WO 2013/173389

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

(62) Divisional to Application :NA Number :NA

Filing Date

# 1)ORBOTIX INC.

Address of Applicant: 1155 Canyon Boulevard Boulder

Colorado 80302 U.S.A. (72) Name of Inventor: 1)POLO Fabrizio

## (57) Abstract:

A method is disclosed for operating a computing device. One or more images of a scene captured by an image capturing device of the computing device is processed. The scene includes an object of interest that is in motion and that has a rounded shape. The one or more images are processed by detecting a rounded object that corresponds to the object of interest. Position information is determined based on a relative position of the rounded object in the one or more images. One or more processes are implemented that utilize the position information determined from the relative position of the rounded object.

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

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : BLOWN FILM INSTALLATION METHOD FOR PRODUCING A BLOWN FILM STRIP AND FILM PRODUCED THEREWITH

(51) International classification :B29C55/06,B29C47/00 (71)Name of Applicant : (31) Priority Document No 1)REIFENH...USER GMBH & CO. KG :10 2012 015 462.3 (32) Priority Date :07/08/2012 MASCHINENFABRIK (33) Name of priority country Address of Applicant : Spicher Strasse 46 48 53844 Troisdorf :Germany (86) International Application No :PCT/DE2013/000441 Germany Filing Date (72) Name of Inventor: :07/08/2013 (87) International Publication No :WO 2014/023282 1)GANDELHEIDT Edgar (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

In blown film installations it is known to provide longitudinal stretching of the produced double layer film strip downstream of the draw off more precisely downstream of the reversing unit and upstream of the winder. It is also known to stretch the down drawn film wherein the film must then be preheated owing to the long cooling path from the draw off. According to a first feature the present invention specifies warming the film above the draw off and then treating it mechanically. The film can thereby be brought with only little energy from a first level of warmth to a temperature level at which it can easily be worked. According to a second feature the invention specifies providing a tractive force breakdown brake.

No. of Pages: 62 No. of Claims: 29

(21) Application No.2677/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: USE OF DICYCLOHEXYLMETHANOL DERIVATIVES WITH ANTI MICROBIAL PROPERTIES

(51) International classification :A61K8/34,A61K8/37,A61K8/46 (71)Name of Applicant :

(31) Priority Document No :10 2012 008 119.7

(32) Priority Date :25/04/2012 (33) Name of priority country :Germany

(86) International Application :PCT/EP2013/001006

No :05/04/2013 Filing Date

(87) International Publication No:WO 2013/159865

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250 64293

Darmstadt Germany (72)Name of Inventor: 1) RUDOLPH Thomas

2)BEST Tatjana

### (57) Abstract:

The present invention relates to the use of at least one dicyclohexylmethanol derivative of the formula (I) as an anti microbial active agent or as an anti acne anti dandruff deodorant or antiperspirant active agent preparations containing such compounds as well as special dicyclohexylmethanol derivatives and a method for the production thereof.

No. of Pages: 81 No. of Claims: 16

(21) Application No.2678/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CLOSING DEVICE FOR A SWITCHGEAR

(51) International classification (31) Priority Document No	:10 2012 210 279.5	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:19/06/2012 :Germany	Address of Applicant :Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany
(86) International Application No Filing Date	:PCT/EP2013/061018 :29/05/2013	(72)Name of Inventor: 1)KARADENIZ Tahsin
(87) International Publication No (61) Patent of Addition to Application	:WO 2013/189704	
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The aim of the invention is to develop a closing device (10 11 12 13) for closing a through opening (6 7 8 9) between a first functional area (2) and a second functional area (3) of a switchgear (1) comprising a first through opening region (14) and a flap (18) for closing the first through opening region (14) when pressure is applied from the first functional area (2) said closing device ensuring an increased operating reliability of the switchgear while having a compact design. This is achieved in that a second through opening region (17) of the through opening (6 7 8 9) is provided such that the second through opening region (17) of the through opening (6 7 8 9) is designed to be closed by the flap (18) when pressure is applied from the second functional area (3).

No. of Pages: 15 No. of Claims: 3

(22) Date of filing of Application :20/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: POOLED TRANSPORT AND CONTROL FUNCTIONS IN A 3GPP LTE 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>	:H04W80/02 :13/484903 :31/05/2012 :U.S.A. :PCT/IB2013/053672 :07/05/2013 :WO 2013/179160 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :Se 164 83 S 164 83 Stockholm Sweden (72)Name of Inventor: 1)COMEAU Adrien 2)DONALD David 3)MURAT Larry 4)RICHARDS Christopher
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Presented are methods and apparatus for decoupling transport and control (T&C) functions from a plurality of e NBs and collecting the T&C functions in a centralized entity for managing the T&C functions for a larger pool of e NBs. An enhanced interface and protocol is defined for allowing the new T&C pool entity to communicate with the e NBs over a shared IP based network. The redistributed functionality provides for optimizing both data compression capabilities and security by compressing data earlier in its transmission path and by encrypting data before it is sent to an e NB.

No. of Pages: 44 No. of Claims: 26

(21) Application No.2657/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: RADIO PHARMACEUTICAL COMPLEXES

(51) International :A61K51/04,A61K51/10,A61P35/00 classification

(31) Priority Document No :1208309.3 (32) Priority Date :11/05/2012

(33) Name of priority country:U.K.

(86) International :PCT/EP2013/059841

Application No :13/05/2013 Filing Date

(87) International Publication :WO 2013/167756

(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)ALGETA ASA

Address of Applicant : Kielssveien 172A N 0884 Oslo Norway

(72)Name of Inventor:

1)BONGE HANSEN Hanne Therese

2) RYAN Olav Benjamin

### (57) Abstract:

A tissue targeting complex comprising a tissue targeting moiety an octadentate hydroxypyridinone containing ligand comprising four HOPO moieties and the ion of an alpha emitting thorium radionuclide where at least one of the four HOPO moieties is substituted at the N position with a hydroxyalkyl solubilising group.

No. of Pages: 91 No. of Claims: 27

(21) Application No.2658/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: RADIO PHARMACEUTICAL COMPLEXES

(51) International :A61K51/04,A61K51/10,A61P35/00 classification

(31) Priority Document No :1208309.3 (32) Priority Date :11/05/2012

(33) Name of priority country:U.K.

(86) International :PCT/EP2013/059840

Application No :13/05/2013 Filing Date

(87) International Publication :WO 2013/167755

(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)ALGETA ASA

Address of Applicant: Kielssveien 172A Oslo N 0884 Oslo

Norway

(72) Name of Inventor:

1)BONGE HANSSEN Hanne Therese

2)RYAN Olav Benjamin

# (57) Abstract:

A tissue targeting complex comprising a tissue targeting moiety an octadentate hydroxypyridinone containing ligand comprising four HOPO moieties and the ion of an alpha emitting thorium radionuclide where at least one of the four HOPO moieties is substituted at the N position with a hydroxyalkyi solubilising group and wherein the tissue targeting moiety has binding affinity for the CD33 receptor. A corresponding pharmaceutical formulation and method and use in treatment as well as methods of manufacture are provided.

No. of Pages: 72 No. of Claims: 28

(21) Application No.2659/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: RADIO PHARMACEUTICAL COMPLEXES

(51) International :A61K51/04,A61K51/10,A61P35/00 classification

(31) Priority Document No :1208309.3 :11/05/2012

(32) Priority Date (33) Name of priority country:U.K.

(86) International :PCT/EP2013/059839

Application No :13/05/2013 Filing Date

(87) International Publication :WO 2013/167754

(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)ALGETA ASA

Address of Applicant : Kielssveien 172A N 0884 Oslo Norway

(72)Name of Inventor:

1)BONGE HANSEN Hanne Therese

2) RYAN Olav Benjamin

### (57) Abstract:

A tissue targeting complex comprising a tissue targeting moiety an octadentate hydroxypyridinone containing ligand comprising four HOPO moieties and the ion of an alpha emitting thorium radionuclide where at least one of the four HOPO moieties is substituted at the N position with a hydroxyalkyl solubilising group and wherein the tissue targeting moiety has binding affinity for the CD22 receptor. Methods of treatment utilising such complexes and methods of formation of such complexes are provided.

No. of Pages: 63 No. of Claims: 28

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention : A NON-VACUUM CHEMICAL PROCESS FOR RAPID SYNTHESIS OF NANOSTRUCTURED CZTS POWDERS FOR SOLAR PHOTOVOLTAIC 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</li> </ul>	:H01L 31/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED  Address of Applicant: REGIONAL OPERATIONS  DIVISION (ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,  KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,  HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date (87) International Publication No	:NA : NA	FORT, NEW DELHI - 110049, INDIA. West Bengal India (72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA :NA	1)SUKUMAR ROY 2)SADANAND ACHARI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A non-vacuum chemical process for rapid synthesis of nanostructured CZTS powders for solar photovoltaic applications. The invention describes a non-vacuum aqueous-based chemical process for synthesizing nano-structured CZTS [Di - Copper Zinc Tin Tetra - Sulphide, {Cu2(Zn,Sn)S4] powders for solar photovoltaic applications. By following the process, a variety of CZTS material with variable levels of zinc and tin atomic ratio in the CZTS compound can rapidly be prepared. The synthesized CZTS powders have tetragonal kesterite structure with specific surface area in the range of 70 + 5 m2/g. Heat treatment (annealing) of the CZTS powder in any inert atmosphere, e.g., argon or nitrogen at a temperature in the range of  $100 - 300^{\circ}$ C improves the crystallinity of CZTS powder since as-synthesized CZTS powders are poorly crystalline. Electron microscopy analyses (TEM & Fe-SEM) of the CZTS powder show the nanostructure in the material with primary particles in the range of 10 - 50 nanometers and is suitable for photovoltaic applications for forming light absorption layer either by coating or printing the CZTS material following any standard procedure.

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

(21) Application No.2597/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: VARIABLE TRANSMISSION AND METHOD AND SYSTEM OF MANUFACTURE

(51) International :F16H15/22,F16H15/24,B62D65/10

classification

:61/641939 (31) Priority Document No (32) Priority Date :03/05/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/039214

:02/05/2013

Filing Date

(87) International Publication :WO 2013/166248

(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)MAGYARI Douglas

Address of Applicant: 4245 Buckingham Road Royal Oak

Michigan 48073 U.S.A. (72) Name of Inventor: 1)MAGYARI Douglas

#### (57) Abstract:

A continuously variable transmission includes a driving member rotating about a first axis a driven member rotating about a second axis and an intermediate member interposed between the driving and driven members and rotating about a third axis configured to intersect the first and second axes. The intermediate member transfers torque from the driving member to the driven member. A method for forming a torque transfer member includes providing a base structure wrapping a needle assembly around the base structure such that the needles extend outwardly therefrom and affixing the needle assembly to the base structure. A method of manufacturing a needle assembly includes forming a series of pockets on a side of a ribbon organizing a series of needles into a series of pockets and affixing the series of needles into the series of pockets.

No. of Pages: 31 No. of Claims: 20

(21) Application No.2598/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 27/11/2015

(54) Title of the invention: ENVIRONMENTALLY FRIENDLY AND HIGH EFFICIENCY SOLID FUEL PRODUCTION METHOD USING HIGH WATER CONTENT ORGANIC WASTE AND COMBINED HEAT AND POWER SYSTEM USING **SAME** 

(51) International classification :C10L5/40,B09B3/00,C02F11/12 (71)Name of Applicant:

(31) Priority Document No :1020120052662 (32) Priority Date :17/05/2012 (33) Name of priority country :Republic of Korea (86) International Application

:PCT/KR2013/004323 No

:15/05/2013 Filing Date

(87) International Publication No:WO 2013/172661

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)TAKASE Joji

Address of Applicant: 3 7 14 107 Higashi Terao Tsurumiku

Yokohamasi Kanagawa 230 0077 Japan

(72) Name of Inventor:

1)HA Jae Hyeon

#### (57) Abstract:

The present invention relates to an environmentally friendly and high efficiency solid fuel production method using high water content organic waste and more specifically relates to a solid fuel production method using high water content organic waste the method comprising: (a) a waste mixing step in which high water content organic waste and municipal waste are introduced into a Fe based reactor and mixed; (b) a hydrolysis step in which high temperature steam is added to the reactor and the mixture of organic waste and municipal waste is placed under pressure and is then stirred in the pressurised state so as to hydrolyse the mixture; (c) a pressure reducing step in which the steam in the reactor is discharged and the inside of the reactor is rapidly reduced in pressure and left to stand in such a way as to give the organic waste from step (b) a low molecular weight or in such a way as to enlarge the specific surface area of the municipal waste from step (b) and thereby break apart same; (d) a vacuum or differential pressure step in which the reactor is placed under vacuum or differential pressure and the water content of the reaction product from step (c) is removed; and (e) a solid fuel forming step in which the reaction product from step (d) is subjected to natural drying and compression moulding so as to produce a solid fuel having a water content of between 10 and 20%.

No. of Pages: 18 No. of Claims: 9

(21) Application No.2599/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: JAW CRUSHER SUPPORT FRAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B02C1/10 :12170245.0 :31/05/2012 :EPO :PCT/EP2013/059424 :07/05/2013 :WO 2013/178437 :NA :NA	(71)Name of Applicant:  1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden (72)Name of Inventor:  1)LINDBERG Mrten 2)LJUNGGREN Karin 3)SJ-BECK Roger
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A jaw crusher support frame having a frame plate bordered by a pair of side walls that extend lengthwise along the frame plate the support frame being strengthened and stiffened by a saddle that projects rearwardly from the support frame between the pair of side walls.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: 'AN APPARATUS AND A METHOD FOR AUTOMATIC SPOT WELDING OF VENTILATION SPACERS ON PUNOLING LAMINATION SHEETS OF VARIOUS RATINGS OF TURBO GENERATORS'

	:B23K	(71)Name of Applicant:
(51) International classification	11/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1 DJBLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA. West Bengal India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DEEPAK SACHAN
Filing Date	:NA	2)AVINASH PATIL
(62) Divisional to Application Number	:NA	3)SUBRATA BISWAS
Filing Date	:NA	4)RAVINDER KUMAR

#### (57) Abstract:

The invention relates to an apparatus for automatic spot welding of ventilation spacers on punoling lamination sheets of a turbo generator comprising a robot mounted on a horizontal plate, a fixed spot welding machine, a robot controller, a gripper mounted at the end of robot wrist, two pneumatic sliding tables and a control system for sequential control of equipment, wherein the robot controller is enabled to initiate a communication through Ethernet IP or other communication protocols to a PLC, wherein the lamination sheets are manually loaded on the sliding tables with top loading of a template, wherein a plurality of spacer bars are manually placed at different locations within correspondingly configured slots and wherein an automatic spot welding is implemented by the welding machine according to the programmed sequence.

No. of Pages: 14 No. of Claims: 1

(21) Application No.2631/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

### (54) Title of the invention: METHOD FOR PRODUCING DISPOSABLE UNDERWEAR TYPE DIAPER

(51) International classification :A61F13/15,A61F13/49,A61F13/496

(31) Priority Document No :2012121583 (32) Priority Date :29/05/2012

(33) Name of priority country :Japan

(86) International

Application No :PCT/JP2013/060796

Filing Date :10/04/2013

(87) International Publication No :WO 2013/179779

(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)ZUIKO CORPORATION

Address of Applicant :15 21 Minamibefu cho Settu Shi Osaka

5660045 Japan

(72)Name of Inventor:
1)UMEBAYASHI Toyoshi

#### (57) Abstract:

Provided is a method for producing a disposable underwear type diaper by which disposable underwear type diapers provided with a seamless fastener in a middle portion can be continuously produced. Fasteners (20) folded in two are arranged on one main surface (12a) of a first continuous body (12) so that ends (23 25) of the fasteners (20) are arranged on the outside of the one main surface (12a). A second continuous body (14) is laid over another main surface (12b) of the first continuous body (12) in a state where one end (23) is bent so as to be laid over the other main surface (12b) and the first continuous body (12) and second continuous body (14) are bonded together to form a composite continuous body (16) to which the one end (23) of the fasteners (20) is fixed. The composite continuous body (16) is cut to form a piece (18) on which the pair of fasteners (20) are arranged only in a first region (18a). The piece (18) is folded in two along an imaginary line (18x) and overlapped following which the other end (25) of the fasteners (20) is bent and laid over and fixed to a second region (18b).

No. of Pages: 35 No. of Claims: 5

(22) Date of filing of Application :22/02/2012 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TRANSIMISSION MODULE FOR A VEHICLE

#### (57) Abstract:

A transmission module 1 has an input 3 which can be connected to a drive source, and an output 5 which can be connected to a differential. The transmission module 1 further has a clutch 7 and an epicyclic gearing 21 with three rotational members, of which a first rotational member 23 is connected to the clutch housing 9, a second rotational member 25 is connected to a brake 27 and a third rotational member 29 is coupled to the output 5. A transmission 31 also forms part of the transmission module 1. Between the clutch 7 and the epicyclic gearing 21 is located a partition 45 which is connected to the transmission housing 33 while a wet space 47 is formed between the partition and the transmission housing. The actuation cylinder 15 of the clutch, the operating cylinders 48 of the brake 27, as well as the oil pipes leading to it are fixed to the partition 45 as a result of which the actuation is arranged as a single module.

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

(21) Application No.1175/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :14/11/2014 (43) Publication Date : 27/11/2015

### (54) Title of the invention: WRITING INSTRUMENT

(51) International classification	:B43K	(71)Name of Applicant:
(31) International classification	:2013-	1)MICRO CO., LTD.
(31) Priority Document No	242798	Address of Applicant :9-17, KAMATAHONCHO 2-CHOME,
(32) Priority Date		OHTA-KU, TOKYO, JAPAN. Japan
· · · · · · · · · · · · · · · · · · ·		
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KEITO HASHIMOTO
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:

OBJECT In a writing instrument having a built-in sealing section which seals the front end of a refill, improvement is made to make it possible to discern the position of the front end of the refill from the exterior of a main body. SOLUTION In a writing instrument to the rear end of the main body 1, a working cam 2 is connected rotatably within a predetermined range. Inside the main body 1, a refill 3 is inserted in that it is guided to move back and forth by a cam groove 24 disposed at the working cam 2. A sealing section 4 to seal the front end portion of the refill is disposed inside the main body 1. The outer configurations of the main body 1 and the working cam 2 are formed in a generally regular triangle shape in cross section, and the outer configurations of the main body and the working cam coincide with each other at the position at which the rotation of the working cam starts, but the other configurations of the main body and the working cam shifted in a state where the working cam is rotated.

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

(21) Application No.2594/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: THREADING CUTTING TOOL AND DOUBLE SIDED INDEXABLE THREADING CUTTING **INSERT THEREFOR**

(51) International classification :B23B27/06,B23B27/16 (71)Name of Applicant : (31) Priority Document No :13/527316 (32) Priority Date :19/06/2012 (33) Name of priority country :U.S.A. (86) International Application No :PCT/IL2013/050462 Filing Date :30/05/2013 (87) International Publication No :WO 2013/190540

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

1)ISCAR LTD.

Address of Applicant :P.O. Box 11 24959 Tefen Israel

(72)Name of Inventor:

1)HECHT Gil 2) CHEN Danny

#### (57) Abstract:

A double sided indexable threading cutting insert (14) includes two opposite end surfaces (16) and a common periphery (18) extending therebetween. The periphery (18) includes exactly five identical peripheral sections (34) and exactly five identical peripheral segments (32). Each peripheral segment (32) extends between two adjacent peripheral sections (34) and each peripheral section (34) includes two adjacent abutment sections (40) located between two rake faces (36). In a plan view of each end surface (16) each abutment section (40) lies on a portion of an imaginary five pointed star which includes five outer vertices (24) alternating with five inner vertices (26). The cutting insert (14) includes five cutting portions (28) each cutting portion (28) is associated with a respective outer vertex (24) each cutting portion (28) extends outwardly and each cutting portion (28) includes two opposite cutting tips (30).

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

(21) Application No.2637/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G02B6/38,G02B6/36 :61/648976 :18/05/2012 :U.S.A. :PCT/US2013/041612 :17/05/2013 :WO 2013/173726 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)ADC TELECOMMUNICATIONS INC.</li> <li>Address of Applicant: 1050 Westlakes Drive Berwyn PA</li> <li>19312 U.S.A.</li> <li>2)TYCO ELECTRONICS CORPORATION</li> <li>(72)Name of Inventor:</li> <li>1)COFFEY Joseph C.</li> <li>2)PEPE Paul John</li> <li>3)HAMMONDJR. Bernard Harold</li> </ul>
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## (57) Abstract:

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

No. of Pages: 52 No. of Claims: 47

(22) Date of filing of Application :19/11/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ROTARY CUTTING TOOL AND REVERSIBLE CUTTING INSERT THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B23C5/22 :13/542846 :06/07/2012 :U.S.A. :PCT/IL2013/050492 :09/06/2013 :WO 2014/006609 :NA :NA	(71)Name of Applicant:  1)ISCAR LTD.  Address of Applicant: P.O. Box 11 24959 Tefen Israel (72)Name of Inventor:  1)SMILOVICI Carol 2)ATAR Osama
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a rotary cutting tool (58) used for milling operations a reversible indexable cutting insert (20) is removably secured in a cutting body (60). The cutting insert (20) has two opposing end surfaces (22) interconnected by a continuous peripheral surface (24) including three side surfaces (26) alternating with three corner surfaces (28). The side (26) and corner (28) surfaces intersect with both end surfaces (22) at side (40) and corner (42) edges respectively with each side (40) edge having a major cutting edge (44) and each corner edge (42) having a corner (46) and minor (48) cutting edge. Each major (44) and minor (48) cutting edge slopes away from first (E1) and second (E2) end points respectively of its mutually associated corner cutting edge (46) towards a median plane (M). A first imaginary straight line (LI) extending perpendicular to the median plane (M) and intersecting any one of the corner cutting edges (46) at any point along its length except the second end point passes through the median plane (M) inside an insert boundary line (Lb).

No. of Pages: 23 No. of Claims: 34

(22) Date of filing of Application: 19/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WEAR ADJUSTMENT DEVICE OF A DISC BRAKE AND CORRESPONDING DISC BRAKE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16D65/56 :10 2012 009 900.2	(71)Name of Applicant: 1)KNORR BREMSE SYSTEME FR NUTZFAHRZEUGE
(32) Priority Date	:18/05/2012	GMBH
(33) Name of priority country	:Germany	Address of Applicant :Moosacher Str. 80 80809 M¼nchen
(86) International Application No	:PCT/EP2013/060382	Germany
Filing Date	:21/05/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/171342	1)WEBER Ralf
(61) Patent of Addition to Application	:NA	2)EICHLER Thomas
Number	:NA	3)HABERL GNTHNER Paul
Filing Date	.11/1	4)NESMJANOWITSCH Igor
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A wear adjustment device (10) for the adjustment of friction surface wear on a brake lining (3) and a brake disc (2) of a disc brake (1) having a tensioning device preferably with a rotary lever (8) wherein the wear adjustment device (20) can be coupled on the drive side to the tensioning device preferably to the rotary lever (8) and on the output side to a spindle unit (5 5) of the disc brake (1) wherein a respective rolling body arrangement is axially arranged on both sides of a drive element (13) one of which is designed as a roller bearing and one is designed as a ball ramp coupling wherein the following are provided: a central shaft (20) which is coupled to the ball ramp coupling and has an output interface (20c) for coupling to the spindle unit (5 5); c) a radial freewheel (18) coupled to the ball ramp coupling by means of an overload spring unit (17) and to the central shaft (20); a directionally dependent torque device (20g 21 22); and a housing (11) in which the drive element (13) the rolling body arrangements the overload spring unit (17) the radial freewheel (18) the central shaft (20) and the directionally dependent torque unit (20g 21 22) are arranged.

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

(21) Application No.2640/KOLNP/2014 A

1)STAHL UND APPARATEBAU HANS LEFFER GMBH

(19) INDIA

(22) Date of filing of Application: 19/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: LOCK FOR PRESSURIZED COAL GASIFICATION PLANTS

(51) International classification :B65G53/46,C10J3/40,C10J3/30 (71)Name of Applicant :

(31) Priority Document No :10 2012 009 515.5 (32) Priority Date :14/05/2012 (33) Name of priority country :Germany

 $(86)\ International\ Application\ No: PCT/DE2013/100140$ 

Filing Date :17/04/2013 (87) International Publication No :WO 2013/170850

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

Number :NA
Filing Date :NA

Address of Applicant :Pfhlerstrae 1 66125 Saarbr¹/₄cken Germany

& CO. KG

(72)Name of Inventor:
1)LEFFER Hans Georg

#### (57) Abstract:

The invention relates to a lock (2) for withdrawing ashes from or feeding coal to a pressurized gas generator (1) of a coal gasification plant. Said lock comprises a lock chamber (3) and a mechanism for opening and closing the lock chamber (3). The lock of the invention is characterized in that the opening/closing mechanism comprises a valve type subassembly (4) which can be mounted between the lock chamber (3) and the gas generator (1) and which includes a movable closing element (12) and devices for moving the closing element (12).

No. of Pages: 18 No. of Claims: 12

(21) Application No.2641/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :19/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: APPARATUS FOR CLEANING THE DOORS OF COKING OVENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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) Privilegal to Application Number</li> </ul>	:10 2012 103 539.3 :23/04/2012 :Germany :PCT/DE2013/100050 :12/02/2013 :WO 2013/159766 :NA :NA	(71)Name of Applicant:  1)KOCH INDUSTRIEANLAGEN GMBH Address of Applicant: Merziger Strae 80 66763 Dillingen Germany (72)Name of Inventor: 1)STEINER Franz 2)SCH,,FER Markus 3)SCHNEIDER Stefan 4)FIEDLER Norbert
	:NA :NA :NA	4)I ILDELK INDIGET

## (57) Abstract:

The invention relates to an apparatus for cyclically cleaning the doors of coking ovens with devices for producing a cleaning jet (4) that detaches deposits from the oven door. According to the invention the cleaning jet comprises solid particles and in a preferred embodiment of the invention is formed exclusively by dry ice particles and possibly a stream of transporting gas that carries the solid particles.

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

(21) Application No.2663/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: CHROMATOGRAPHY METHOD

(51) International classification	:B01D15/18,G01N30/46	(71)Name of Applicant:
(31) Priority Document No	:12002828.7	1)MERCK PATENT GMBH
(32) Priority Date	:23/04/2012	Address of Applicant :Frankfurter Strasse 250 64293
(33) Name of priority country	:EPO	Darmstadt Germany
(86) International Application No	:PCT/EP2013/000910	(72)Name of Inventor:
Filing Date	:26/03/2013	1)SKUDAS Romas
(87) International Publication No	:WO 2013/159858	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention is directed to a continuous affinity chromatography method and to an apparatus to be used in such method. The method allows the use of high operational velocity while maintaining high binding capacities.

No. of Pages: 113 No. of Claims: 14

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ELECTRIC POWER SYSTEM WAVEFORM SEARCH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G01R13/00 :61/662854 :21/06/2012 :U.S.A. :PCT/US2013/045019 :10/06/2013 :WO 2013/191952 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant: 2350 NE Hopkins Court Pullman</li> <li>Washington 99163 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)ZWEIGLE Gregary C.</li> <li>2)HEWITT Eric J.</li> <li>3)GOTSHALL Stanley P.</li> </ul>
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#### (57) Abstract:

The present disclosure relates to searching electric power system waveforms. Disclosed herein are various systems and methods for improving search performance through indexing electric power system waveforms using waveform attributes such as frequency amplitude angle rate of change and the like. According to some embodiments multiple indexes may be used together to find information of interest. A reference signal may be utilized according to some embodiments. Normalizing a plurality of waveforms using a reference signal may facilitate the use of an index for comparing two arbitrary waveforms. This disclosure also relates to detecting and indexing islanding conditions in an electric power system. Various embodiments may utilize information relating to islanding conditions in connection with search operations.

No. of Pages: 50 No. of Claims: 33

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: DELIVERY DEVICE FOR A METAL MELT IN AN INJECTION PRESS

(51) International classification :B22D39/02,B22D17/20 (71)Name of Applicant : (31) Priority Document No 1)GEBR. KRALLMANN GMBH :10 2012 010 923.7 (32) Priority Date Address of Applicant : Siemensstr. 17 19 32120 Hiddenhausen :04/06/2012 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2013/001601 (72) Name of Inventor: Filing Date :31/05/2013 1)WUNDERLE Johannes Konrad (87) International Publication No :WO 2013/182284 2) NEUSS Andreas (61) Patent of Addition to Application 3)KRALLMANN Rainer :NA Number 4)KRALLMANN Kerstin :NA Filing Date 5)BREXELER Ingo (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

A delivery device for a metal melt in an injection moulding machine for example a metal casting machine has a storage container for the metal melt and a delivery channel in which the metal melt is fed to a mould cavity. In this case provision is made for the delivery channel to comprise a cylindrical bore in which a piston is arranged in an axially adjustable manner. Provided for the metal melt is a collection chamber from which the metal melt is introduced into the mould cavity through a continuing line as a result of an axial displacement of the piston. Formed between the outer wall of the piston and the inner wall of the cylindrical bore is an annular space which is connected to the collecting chamber via at least one filling bore. At its end that opens into the collecting chamber the filling bore is closable by means of a valve body which is connected to an adjustable valve rod which is arranged in a displaceable manner in an axial bore of the piston.

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

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: COMPOSITION AND METHOD FOR MANAGEMENT OF DIABETES OR PRE-DIABETES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A23L1/305,A61K9/00 :61/650,769 :23/05/2012 :U.S.A. :PCT/AU2013/000537 :22/05/2013 :WO 2013/173874 :NA :NA	(71)Name of Applicant:  1)OMNIBLEND INNOVATION PTY LTD  Address of Applicant: 4 - 6 Capital Link Drive, Campbellfield, Victoria 3061 AUSTRALIA Australia (72)Name of Inventor:  1)LICHTI, Christopher Walter 2)BEST, Peter Richard Wynter 3)BEST, Janena Frances 4)LICHTI, Gottfried
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#### (57) Abstract:

A drink for moderating blood glucose levels produced by a meal in a human subject suffering diabetes or impaired glucose tolerance (IGT) the drink comprising: at least one water soluble or water dispersible compound selected from the group consisting of amino acids, peptides and proteins in a total amount of at least 8g on a dry weight basis per serving of drink; aqueous liquid in an amount of from 70ml to 400ml (preferably in an amount of from 100 ml to 250 ml and more preferably from 125 ml to 175 ml) per serving, and wherein the drink exhibits shear banding when subject to the shear banding test herein described.

No. of Pages: 110 No. of Claims: 29

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ARRANGEMENT AND METHOD FOR CURING CONCRETE PRODUCTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B28B11/24 F26B21/08 :20136339 :31/12/2013	(71)Name of Applicant:  1)ELEMATIC OY AB  Address of Applicant:PL 33, FI-37801 AKAA, FINLAND  Finland
(33) Name of priority country (86) International Application No	:Finland :NA	(72)Name of Inventor: 1)EILOLA, JANI
Filing Date (87) International Publication No	:NA : NA	T)EILOLA, GAIN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an arrangement for curing concrete products, which comprises a curing chamber (10) comprising several curing cells (12) arranged in at least one column (11), in which curing cells (12) are located on a vertical stack. The curing cells (12) are formed to curing cell groups (13), in which one curing cell group (13) comprises at least one curing cell (12), advantageously 2-4 curing cells (12), and that the curing cell group (13) is insulated in respect of other curing cell groups (13) of the curing chamber (10). The invention also relates to a method for curing concrete products in a curing chamber (10), which comprises several curing cells (12) arranged in at least one column (11), in which the curing cells (12) are located on a vertical stack. In the method the moisture level of curing cells (12) is controlled such that in the curing cells (12) the temperature is desired.

No. of Pages: 15 No. of Claims: 12

(21) Application No.1215/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ARRANGEMENT FOR CASTING CONCRETE PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B28B15/00 B28B7/00 :20136338 :31/12/2013 :Finland :NA	(71)Name of Applicant:  1)ELEMATIC OY AB  Address of Applicant: PL 33, FI-37801 AKAA, FINLAND Finland (72)Name of Inventor:  1)TUOMOLA, JUHA
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an arrangement for casting concrete products, which comprises at least one central transfer wagon (20) movable on a path on a center process line (12) for moving the molds/mold tables (25) from one work station (24) for a process stage to another work station (24) on a main level (10) of the production process line, which work stations (24) are located along the path of the central transfer wagon (20) on at least at one side of the path of the center process line (12). At least one of the central transfer wagons (20) of the arrangement comprises a lifting mechanism (21) by which the molds/mold tables (25) are liftable to at least one upper level (11).

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

(21) Application No.2589/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: PROVIDING BROADCAST SERVICE IN BROADCAST SERVICE RESERVED 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</li> </ul>	:H04W72/00 :61/646533 :14/05/2012 :U.S.A. :PCT/EP2013/059899 :14/05/2013 :WO 2013/171192 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)PHAN Mai Anh
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to methods and base stations for supporting a broadcast service within a cell of a base station not transmitting the broadcast service. A method in a base station controlling a cell serving a user equipment supports a broadcast service from a neighboring cell. The method comprises the steps: receiving an indication that the serving base station shall not transmit the broadcast service in the cell serving the user equipment; receiving control information required by the user equipment for receiving the broadcast service from the neighboring cell; and transmitting the control information to the user equipment via the cell serving the user equipment;

No. of Pages: 24 No. of Claims: 16

(21) Application No.1196/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention : PLASTIC BOTTLE PROCESSING APPARATUS AND VEHICLE HAVING SAME MOUNTED THEREON

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:Japan :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)YAMADA SUSUMU  Address of Applicant:167, MINOURA, MAIBARA-SHI, SHIGA 521-0073 JAPAN Japan (72)Name of Inventor:  1)YAMADA SUSUMU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A plastic bottle processing apparatus includes: an apparatus body having a conveying path section in which a plastic bottle is conveyed; and a label separating unit arranged in a middle of the conveying path section so as to separate a label from the plastic bottle. The label separating unit includes: a label cutting member that cuts the label of the plastic bottle, which is conveyed in the conveying path section along the axial direction of the plastic bottle; a heating member that heats the label cut by the label cutting member; and a brush member disposed so as to be able to make contact with the label heated by the heating member and remove the label from the plastic bottle body by making contact with the label.

No. of Pages: 46 No. of Claims: 12

(22) Date of filing of Application :20/11/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: ROTARY JOINT WITH MEASUREMENT OF THE ANGLE OF ROTATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B62D47/02,F16F9/28 :10 2012 104 233.0	(71)Name of Applicant: 1)HEMSCHEIDT FAHRWERKTECHNIK GMBH & CO.
(32) Priority Date	:15/05/2012	KG
(33) Name of priority country	:Germany	Address of Applicant :Leichtmetallstrasse 7 42781 Haan
(86) International Application No	:PCT/EP2013/059551	Gruiten Germany
Filing Date	:08/05/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/171104	1)RUNKEL Walter
(61) Patent of Addition to Application	:NA	2)PARIZEK Markus
Number	:NA	3)KOBOW Wolfgang
Filing Date	NT A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a rotary joint in particular for the articulated connection of a front part and of a rear part of a bus consisting of a housing (1) which is divided into two housing parts (3 4) in a plane perpendicular to an axis of rotation (2) of the joint. The two housing parts (3 4) are rotatable about the axis of rotation (2) in relation to each other and are connected to each other in a manner sealed against an egress of hydraulic fluid located in a housing interior (5). A pinion (6) of a rack and pinion drive of a vibration damper is mounted rotatably in the first housing part (3) and the second housing part (4) forms a drive element and is connected to the pinion (6) for conjoint rotation. An angle of rotation measuring device (11) is arranged in a receiving chamber (10) within the housing (1) in a manner coaxial with respect to the axis of rotation in the rotary centre of the rotary joint and interacts with the second housing part (4) for measuring the angle of rotation and the receiving chamber (10) is sealed off against an ingress of the hydraulic fluid.

No. of Pages: 19 No. of Claims: 14

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: ACTIVATION DEVICE FOR AN ELECTRIC BATTERY UNIT AND ELECTRIC BATTERY UNIT COMPRISING AT LEAST ONE ACTIVATION DEVICE

(51) International classification: H01M6/32,F42B19/00,H01M6/38 (71)Name of Applicant:

(31) Priority Document No :10 2012 011 986.0

(32) Priority Date :16/06/2012 (33) Name of priority country :Germany

(86) International Application :PCT/DE2013/100141

:18/04/2013 Filing Date

(87) International Publication

:WO 2013/185750

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)ATLAS ELEKTRONIK GMBH

Address of Applicant: Sebaldsbr1/4cker Heerstrae 235 28309

Bremen Germany

(72) Name of Inventor: 1)SLOTTA Norbert 2)RIEKEN Volker

(57) Abstract:

The invention relates to an activation device for an electric battery unit in particular for a sub battery of a torpedo. The invention also relates to a battery unit having activation devices of the above type. An activation device (1) comprises a process liquid port (34) to which a process liquid reservoir can be connected. A movably mounted cutting element (38) can be pneumatically actuated by means of an actuating element (42) via a pneumatic port (43) of the activation device (1) a closing element (36) which is arranged in the trajectory of the cutting element (38) controlling the process liquid port (34). In order to allow the safe ready to operate storage and the safe activation of a battery unit the activation device (1) comprises a pneumatic outlet (44) which can be fluidically connected to the pneumatic port (43) depending on the position of the activation element (42).

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

(21) Application No.2539/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: ANTENNA DEVICE FOR PORTABLE TERMINAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:1020120056451 :29/05/2012 :Republic of Korea	(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)CHO Bum Jin 2)KIM Gyu Sub 3)BYUN Joon Ho
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A portable terminal includes an antenna device having a circuit board on a surface of which a conductive layer is formed a slit that removes a portion of the conductive layer and extends in a direction an auxiliary board positioned on the slit to face a surface of the circuit board and a radiation pattern formed on the auxiliary board in which the radiation pattern is disposed to partially enclose the slit. Even when the radiation pattern is disposed on the conductive layer induced current generated around the slit can be controlled in the same direction as signal power thereby preventing radiation performance from being degraded by an inverse current phenomenon in spite of disposition of the radiation pattern on the conductive layer.

No. of Pages: 18 No. of Claims: 15

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

## (54) Title of the invention: OTHER CELL INTERFERENCE ESTIMATION

(51) International classification :H04W72/12,H04W52/34 (71)Name of Applicant : 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (31) Priority Document No :13/488187 (32) Priority Date :04/06/2012 Address of Applicant: S 164 83 Stockholm Sweden (33) Name of priority country (72) Name of Inventor: :U.S.A. 1)WIGREN Torbjrn (86) International Application No :PCT/SE2013/050643 Filing Date :04/06/2013 (87) International Publication No :WO 2013/184063 (61) Patent of Addition to Application :NA

Number :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA

# (57) Abstract:

Mobile broadband traffic has been exploding in wireless networks (400) resulting in an increase of interferences and reduced operator control. Networks (400) are also becoming more heterogeneous putting additional demand in interference management. Scheduler (540) schedules uplink transmissions from UEs (430) based on a load prediction algorithm that typically assumes worst case. However UEs (430) do not always use full power granted and thus much of granted radio resources are wasted. To address these and other issues technique(s) to accurately predict/estimate other cell interferences and thermal noise separately and to accurately predict/estimate load utilization probability and variance is(are) described. Inventive estimation technique(s) can be used to schedule UEs (430) to more fully utilize available radio resources. Extended Kalman filtering can be adapted for use in estimation providing low order computational complexity.

No. of Pages: 77 No. of Claims: 25

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR REDUCING SIGNALING OVERHEAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W72/04 :61/647343 :15/05/2012 :U.S.A. :PCT/CN2013/075651 :15/05/2013 :WO 2013/170750 :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)YANG Yunsong 2)KWON Younghoon 3)RONG Zhigang
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## (57) Abstract:

A method for operating a first station includes receiving a first management frame from a communications device and generating an optimized management frame including a reference to the first management frame and update information for the first management frame specific to the first station. The method also includes transmitting the optimized management frame.

No. of Pages: 49 No. of Claims: 23

(21) Application No.2679/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :24/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: FEEDTHROUGH DEVICE FOR AN EXPLOSION PROOF HOUSING

(51) International classification :H02G3/22,H02G3/06,H02G3/08 (71) Name of Applicant:

(31) Priority Document No :10 2012 105 113.5 (32) Priority Date :13/06/2012

(33) Name of priority country :Germany

(86) International Application :PCT/EP2013/059268

:03/05/2013 Filing Date

(87) International Publication No:WO 2013/185979

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)R. STAHL SCHALTGER,,TE GMBH

Address of Applicant: Am Bahnhof 30 74636 Waldenburg

Germany

(72) Name of Inventor: 1)WONDRAK Tom

## (57) Abstract:

The invention relates to a feedthrough device (10) for an explosion proof housing which is constructed in particular as a flameproof enclosure of the flame protection type. The feedthrough device (10) is arranged in a wall opening of the housing and forms a flameproof gap therein. A rigid component (11) is arranged through said gap so as to be displaced in its direction of extension relative to the wall of the housing. The feedthrough device (10) has in particular a clamping body unit (20) a sleeve (21) a cap (22) and a thrust collar (23). The sleeve (21) and the cap (22) can be screwed together. Axial forces are transmitted between the clamping body unit (20) and the cap (22) via the thrust collar (23) which axial forces in turn are supported on mutually abutting surfaces (26 36) of the clamping body unit (20) and/or of the sleeve (21) that run transversally to the longitudinal axis (L). The sleeve (21) thereby exerts a radial clamping force on the clamping body unit (20). The clamping body unit (20) is fully penetrated by a conduit (25) along a longitudinal axis (L) in which conduit a longitudinal section of a component (11) is arranged.

No. of Pages: 31 No. of Claims: 15

(21) Application No.2649/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: DOMESTIC APPLIANCE HAVING A GENERATOR IN PARTICULAR AN OZONE GENERATOR AND A FILTER DEVICE

(51) International :A47L15/42,D06F35/00,D06F39/00

classification

(31) Priority Document No :10 2012 209 823.2 (32) Priority Date :12/06/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/061709

No :06/06/2013 Filing Date

(87) International Publication :WO 2013/186116

(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)BSH BOSCH UND SIEMENS HAUSGER..TE GMBH Address of Applicant :Carl Wery Str. 34 81739 M¹/₄nchen

Germany

(72) Name of Inventor: 1)EGLMEIER Hans 2)SCHAUB Hartmut 3)SCHULZE Ingo

## (57) Abstract:

A domestic appliance 1 which is configured in particular as a water channelling domestic appliance 1 comprises a filter device 2 a pump 3 at least one generator 4 5 and a treatment region 7. An air stream here can be guided from the filter device 2 via the pump 3 to the at least one generator 4.5. Furthermore the at least one generator 4.5 adds a treatment agent in the form of a gas and/or aerosol to the air stream. The air stream moreover can be guided from the pump 3 via the at least one generator 4 5 to the treatment region 7. In addition the air stream can be guided from the at least one generator 4.5 via the treatment region 7 to the filter device 2. Furthermore the air stream can be guided from the treatment region 7 via the filter device 2 to the pump 3. It is specifically possible for one of the generators 4 5 to be configured as an ozone generator 4 whereas the other generator is configured as a mist generator 5. It is thus possible for laundry provided for example in the treatment region 7 to be treated with ozone containing mist. The filter device 2 can then ensure that excess ozone does not pass to the pump 3. The pump 3 can thus be produced in a cost effective manner since it need not consist of ozone resistant components. A further filter device 10 can also be provided and therefore the pump 3 can operate not just in a main direction 8 but also in an opposite direction 15.

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

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: RADIO COMMUNICATION SYSTEM METHOD AND ARRANGEMENT FOR USE IN A RADIO COMMUNICATION SYSTEM

(51) International :H04W48/16,H04W76/02,H04W88/10

(31) Priority Document No :61/644040 (32) Priority Date :08/05/2012

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

(86) International

Application No :PCT/SE2012/051007

Filing Date :24/09/2012

(87) International Publication No :WO 2013/169161

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

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :S 164 83 Stockholm Sweden

(72)Name of Inventor:
1)MILDH Gunnar
2)VIKBERG Jari
3)WESTERBERG Erik

## (57) Abstract:

A radio communication system comprises a first access network (Access A; 510) arranged to operate according to a first Radio Access Technology a second access network (Access B; 520) arranged to operate according to a second Radio Access Technology and a user device (UE; 500) which is connectable to the first access network and to the second access network. The system also comprises an authentication node (AN; 530) arranged to identify the user device (UE; 500) when seeking access to the second access network through a user device identifier for the user device wherein the user device identifier is associated with the first access network. A query node (QN; 540) provides information about a context of the user device (UE; 500) in the first access network (Access A; 510) based on the user device identifier. An access selection node (ASN; 550) generates an access selection decision for the access sought by the user device to the second access network based on the provided context information. The system then causes the access selection decision to be executed.

No. of Pages: 43 No. of Claims: 26

(21) Application No.2551/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :11/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MOULDED ARTICLE WITH IMPROVED STRESS WHITENING

:12168523.4 :18/05/2012 :EPO :PCT/EP2013/059557 :08/05/2013 :WO 2013/171105 :NA :NA	1)BOREALIS AG Address of Applicant :IZD Tower Wagramerstrae 17 19 A 1220 Vienna Austria (72)Name of Inventor : 1)REICHELT Kristin
:NA :NA	
	:EPO :PCT/EP2013/059557 :08/05/2013 :WO 2013/171105 :NA :NA

## (57) Abstract:

No. of Pages: 37 No. of Claims: 9

^{5 12} The present invention relates to a moulded article comprising a polypropylene composition wherein the polypropylene composition comprises comonomer units derived from ethylene in an amount of from 0.5 wt% to 35 wt% and from at least one Calpha olefin in an amount of from 1.0 mol% to 3.0 mol% wherein the polypropylene composition has an amount of xylene solubles XS of from 20 wt% to 39 wt% and the xylene solubles have an amount of ethylene derived comonomer units of from 4.0 wt% to 70 wt%.

(21) Application No.2552/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention : AIR CONDITIONER

(51) International classification	:F24F11/02,F24F1/20	(71)Name of Applicant:
(31) Priority Document No	:2012093124	1)DAIKIN INDUSTRIES LTD.
(32) Priority Date	:16/04/2012	Address of Applicant :Umeda Center Building 4 12 Nakazaki
(33) Name of priority country	:Japan	Nishi 2 Chome Kita Ku Osaka Shi Osaka 5308323 Japan
(86) International Application No	:PCT/JP2013/060367	(72)Name of Inventor:
Filing Date	:04/04/2013	1)HAIKAWA Tomoyuki
(87) International Publication No	:WO 2013/157404	2)OHNUMA Youichi
(61) Patent of Addition to Application	:NA	3)MINAMIDA Tomoatsu
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

When an expansion valve that can be fully closed is employed in some cases it is not possible to detect that the valve is fully closed and that a refrigerant circuit is closed. The air conditioner (1) of the present invention comprises an indoor heat exchanger (14) that has an auxiliary heat exchanger (20) and a main heat exchanger (21) that is arranged on the downstream side of the auxiliary heat exchanger (20). During operation in a predetermined dehumidifying operation mode all of the liquid refrigerant supplied to the auxiliary heat exchanger (20) evaporates partway through the auxiliary heat exchanger (20). As a result only a portion of the upstream side of the auxiliary heat exchanger (20) is an evaporation region and the area on the downstream side of the evaporation region for the auxiliary heat exchanger (20) is a superheating region. In addition an evaporation temperature sensor (30) that detects evaporation temperature is arranged on the downstream side of an expansion valve (13) for an outdoor unit (3).

No. of Pages: 44 No. of Claims: 4

(21) Application No.2553/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: WATER BEARING DOMESTIC APPLIANCE HAVING A TREATMENT GAS GENERATOR AND AN INTRODUCING ASSEMBLY

(51) International :D06F39/02,D06F39/08,D06F35/00

classification (31) Priority Document No :10 2012 209 211.0

(32) Priority Date :31/05/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/060640

No :23/05/2013 Filing Date

(87) International Publication :WO 2013/178530

(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)BSH BOSCH UND SIEMENS HAUSGER..TE GMBH

Address of Applicant :Carl Wery Str. 34 81739 M¹/₄nchen

Germany

(72) Name of Inventor: 1)BOLDUAN Edwin 2)EGLMEIER Hans 3)SABALAT Andre

4)SCHULZE Ingo

## (57) Abstract:

A water bearing domestic appliance (1) which is used in particular as a laundry treatment device for washing laundry comprises a treatment container (2) and a treatment agent container (4) wherein a liquid treatment agent (7) contained in the treatment agent container (4) can be fed into the treatment container (2) at least indirectly. An introducing assembly (5) having a first water reservoir device (15) and at least one second water reservoir device (16) is provided wherein water can be fed to the treatment container (2) by means of the first water reservoir device (15) and a first feed (17) and wherein water can be fed to at least one second introduction opening (24) of the treatment container (2) by means of the second water reservoir device (16) and a second feed (23). Furthermore the first and second water reservoir devices (15 16) can be filled with the treatment agent.

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

(21) Application No.2585/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: METHOD OF CONTINUOUS ANNEALING OF STEEL STRIP AND METHOD OF MANUFACTURING HOT DIP GALVANIZED STEEL STRIP

:C21D9/56,C21D1/76,C23C2/02 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012133616 (32) Priority Date :13/06/2012

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2013/003634

Filing Date :10/06/2013 (87) International Publication No: WO 2013/187042

(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)TAKAHASHI Hideyuki

## (57) Abstract:

Provided is a method of continuous annealing of steel strips capable of realizing at low cost a low dew point annealing atmosphere suitable to annealing steel strips containing an easily oxidizable element such as Si. A vertical annealing furnace is configured such that: a heating zone and a soaking zone are provided in which the steel strip is conveyed vertically; an atmosphere gas is supplied from outside of the furnace into the furnace and gas in the furnace is discharged from a steel strip introduction section at the bottom of the heating zone; part of the gas in the furnace is sucked in and discharged to a refiner having a deoxygenation device and a dehumidifier device disposed outside the furnace oxygen and water in the gas are removed to lower the dew point and the gas with the lowered dew point is returned back into the furnace. When annealing a steel strip in this vertical annealing furnace a gas injection device having multiple gas outlets in the steel strip sheet passing direction is provided in the heating zone soaking zone suppressing mixing of the furnace atmosphere upstream of the gas injection device and the furnace atmosphere downstream thereof and the temperature of the steel strip when passing the gas injection device is controlled to 600 700°C.

No. of Pages: 35 No. of Claims: 4

(21) Application No.2586/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: A ROTATING SPRINKLER

(51) International classification (31) Priority Document No (32) Priority Date	:B05B3/16,B05B3/04,B05B15/10 :61/665449 :28/06/2012 :U.S.A.	1)NETAFIM LTD Address of Applicant:10 Derech Hashalom 67892 Tel Aviv
(33) Name of priority country (86) International Application No Filing Date (87) International Publication	:PCT/IB2013/055298 :27/06/2013	Israel (72)Name of Inventor: 1)KEREN Ron 2)BELFORD James 3)PELEG Gad
No (61) Patent of Addition to Application Number Filing Date	:WO 2014/002056 :NA :NA	3)1 EEE Gau
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A rotating sprinkler (14) configured to be used with a pulsating device (12) that forms pulses that have a beginning and an end. The sprinkler has a rotating portion (16) that can rotate about an axis (X) while emitting the liquid pulses to the outside environment and the rotating portion (16) is adapted to stop to rotate before the end of each liquid pulse.

No. of Pages: 51 No. of Claims: 35

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: INSULATING FRAME WITH CORNER EXPANSION JOINTS FOR ELECTROLYSIS 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> </ul>	:C25B9/08 :10 2012 013 832.6 :13/07/2012 :Germany :PCT/EP2013/064830 :12/07/2013 :WO 2014/009549 :NA :NA	(71)Name of Applicant:  1)UHDENORA S.P.A. Address of Applicant: Via Bistolfi 35 I 20134 Mailand Italy (72)Name of Inventor: 1)HOORMANN Dirk 2)DONST Dimitri 3)FUNCK Frank 4)HOFMANN Philipp 5)POLCYN Gregor 6)TOROS Peter
Number Filing Date	:NA	5)POLCYN Gregor 6)TOROS Peter
(62) Divisional to Application Number Filing Date	:NA :NA	7)WOLTERING Peter

## (57) Abstract:

An insulating frame for electrolysis cells is proposed which has a geometric form with corners said insulating frame being of a flat design and having an anode and a cathode side as well as an outer and inner end face the insulating frame being characterised in that it is has an edge area directly adjoining the inner end face characterised in that in the area of the corners the edge area has corner expansion joints in the form of cut outs.

No. of Pages: 12 No. of Claims: 13

(21) Application No.1203/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 19/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention: SPUN YARN DRAWING 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	D01H5/74 :2013- 269518	(71)Name of Applicant: 1)TMT MACHINERY, INC. Address of Applicant:6TH FL., OSAKA GREEN BLDG., 2-6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041 JAPAN Japan (72)Name of Inventor: 1)HASHIMOTO KINZO 2)SUGIYAMA KENJI 3)INUI TOSHIYA 4)NOMURA HIROSHI
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#### (57) Abstract:

In a spun yarn drawing apparatus, a change in a drawable point of yarns is minimized and a part of a heating roller on which part the drawn yarn is rubbed is maximally shortened, while the yarn before drawn is sufficiently heated. In a spun yarn drawing apparatus 3, yarns Y are wound onto five godet rollers 11 to 15. The yarns Y heated at the godet rollers 11 to 13 are drawn between the godet roller 13 and the godet roller 14. The diameter of the godet roller 13 is shorter than the diameter of the godet roller 12. The surface temperature of the godet roller 13 is equal to or lower than the surface temperature of the godet roller 12. An internal space 21 in a thermal insulation box 16 housing the godet rollers 11 to 15 is, by a partition 22, divided into a space 21a housing the godet rollers 11 and 12, a space 21b housing the godet roller 13, and a space 21c housing the godet rollers 14 and 15.

No. of Pages: 33 No. of Claims: 3

(21) Application No.2674/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: MEANS FOR SECURING JAW PLATES IN A JAW 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B02C1/10 :12171784.7 :13/06/2012 :EPO :PCT/EP2013/060837 :27/05/2013 :WO 2013/186033 :NA :NA	(71)Name of Applicant:  1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden (72)Name of Inventor:  1)LINDBERG Mrten 2)LJUNGGREN Karin 3)SJ-BECK Roger
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention concerns a jaw plate part (10) for securing jaw plates (2 2) to a jaw crusher (1) comprising at least one such jaw plate part for securing a jaw plate to a jaw (3 3) of the jaw crusher the jaw plate part may work as a wedge being detachable from the jaw crusher. The invention also concerns a jaw plate part unit comprising at least one such jaw plate part and fastening means (50). Moreover the invention also concerns a jaw crusher comprising at least one such jaw plate part unit for securing jaw plates of the jaw crusher.

No. of Pages: 30 No. of Claims: 16

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR MANUFACTURING NON WOVEN COMPOSITE LAYER PRODUCT WITH **DIFFERENT HARDNESSES**

(51) International classification :B32B7/02,B32B5/22 (31) Priority Document No :PCT/CN2012/000874 (32) Priority Date :26/06/2012

(33) Name of priority country

(86) International Application No :PCT/CN2012/000874 (72)Name of Inventor: Filing Date :26/06/2012 (87) International Publication No :WO 2014/000120

(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)SAN SHIANG TECHNOLOGY CO. LTD.

Address of Applicant :NO.26 Peishihchou Mingho Village

Shanshang Dist. Tianan City Taiwan China

(21) Application No.2563/KOLNP/2014 A

1)LIN Mingyang

#### (57) Abstract:

(19) INDIA

Disclosed is a method for manufacturing a non woven composite layer product with different hardnesses the non woven composite layer product at least consisting of a hard layer with a thickness of between 2 7 mm and a weight of between 600 1200 g/m2 and a soft layer with a thickness of between 15 40 mm and a weight of between 600 1200 g/m2. The manufacturing method mainly comprises the steps of: sticking at least a first non woven material to be pre formed into a hard layer and a second non woven material to be pre formed into a soft layer to become an intermediate and then feeding the intermediate into a baking oven at a constant temperature to heat at a heating temperature of 180±20 over a duration of longer than at least 200 seconds (inclusive) such that the first non woven material and the second non woven material are fully heated to softening and the contact surfaces are bound by hot melting; and then feeding into a mold with different material thicknesses for a one time hot press molding so as to obtain a non woven composite layer product containing a hard layer and a soft layer with required specifications.

No. of Pages: 24 No. of Claims: 9

(21) Application No.2560/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: METHOD FOR AIR DRIVEN PROPULSION OF A VESSEL AND AIR DRIVEN VESSEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:20120693 :14/06/2012 :Norway :PCT/NO2013/050100 :07/06/2013 :WO 2014/007644	(71)Name of Applicant:  1)HASSAVARI Nader Address of Applicant: Postboks 48 N 7004 Trondheim Norway (72)Name of Inventor: 1)HASSAVARI Nader
Filing Date	:07/06/2013	
· · ·	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method for air driven propulsion of vessel and air driven vessel. The method is characterized by that propulsion is provided by that air under high pressure is ejected under the sea surface and that air rising again from the sea is captured for providing an air cushion between the hull and the vessel. It is further described a solution for re use of the air captured for further propulsion. The invention also describes a solution for reducing the friction between the hull and the vessel by utilizing captured air for providing an air cushion between the hull and the sea.

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

(21) Application No.2561/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: TRACE ELEMENT SOLUTION

<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>	:A61K33/30,A61K33/32,A61K33/34 :NA :NA :NA	(71)Name of Applicant:  1)WARBURTON TECHNOLOGY LIMITED  Address of Applicant: 36 Fitzwilliam Square Dublin 2 Ireland (72)Name of Inventor:  1)SMITH William Alfred
(86) International Application No Filing Date	:PCT/IB2012/052389 :14/05/2012	
(87) International Publication No	:WO 2013/171538	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The inventions discloses a trace element solution which comprises at least the following metals: zinc; manganese; selenium; and copper; and which comprises Vitamin B12. The solution furthermore comprises butaphosphan to stabilize the Vitamin B12 and the inclusion of butaphosphan may have synergistic activity with the minerals.

No. of Pages: 19 No. of Claims: 14

(21) Application No.2562/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 27/11/2015

# (54) Title of the invention : MAGNETIC BEARING AND METHOD FOR MOUNTING A FERROMAGNETIC STRUCTURE AROUND A CORE OF A MAGNETIC 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></ul>	:F16C32/04,H01F3/02,H01F41/02 :2012/0328 :16/05/2012 :Belgium	(71)Name of Applicant: 1)ATLAS COPCO AIRPOWER NAAMLOZE VENNOOTSCHAP Address of Applicant:Boomsesteenweg 957 B 2610 Wilrijk
(86) International Application No Filing Date (87) International Publication	:PCT/BE2013/000023 :03/05/2013 :WO 2013/170322	Belgium (72)Name of Inventor: 1)VANDE SANDE Hans
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

Magnetic bearing that is provided with a radial actuator part and an axial actuator part whereby the aforementioned radial actuator part comprises a laminated stator stack (2) that is provided with a stator yoke (3) characterised in that the stator yoke (3) is linked to a closed ferromagnetic structure (9) that surrounds the stator yoke (3).

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

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 27/11/2015

(54) Title of the invention: A SPINDLE MOUNTED LASER DEVICE OF A CNC MACHINE TO RECORD TWO DIMENSIONAL COORDINATES OF SURFACES WITHOUT PRIOR GEOMETRICAL INFORMATION AND THE METHOD FOR THE SAME.

## (57) Abstract:

The invention relates to a spindle mounted laser device (L) of a CNC machine to record two dimensional coordinates of surfaces without prior geometrical information. Punching marks are made by slight hammering on the lower half of the turbine outer casing through upper half. A laser unit (10) is put inside an outer shell (2) to form a laser device (L). The laser unit is disposed in the said shell (2) to emit a very narrow coherent low-powered laser beam through the tip (11). A bolt (1) is disposed in a threaded hole of the outer shell (2) to operate ON and OFF switch of the laser unit (10). A special bolt (3) is assembled at the back of the laser unit (10) to facilitate replacement of battery of the laser unit (10) when the laser device (L) is clamped to the spindle of the CNC machine head (7) through collars (4) when the spindle and in turn laser device (L) moves and the device is taken to the punching marks wherein the laser beam emitting in the form of a pointer becomes concentric with said punching marks resulting the coordinates being shown on the panel of the CNC machine.

No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :24/11/2014 (43) Publication Date : 27/11/2015

# (54) Title of the invention: UPPER DRIVING TYPE JUICE EXTRACTOR

#### (57) Abstract:

Provided is an upper driving type juice extractor including a mainbody having a material introduction port and a driving part disposed at an upper side thereof; an extracting part configured to be taken in and out of the main body; and a lift part installed at a lower side of the main body to move the extracting part up and down, wherein the lifting part comprises a lifting motor, a seating part on which the extracting part is seated, a cam part configured to move the seating part up and down, and a power transmitting part configured to transmit power of the lifting motor to the cam part.

No. of Pages: 58 No. of Claims: 7

(21) Application No.2574/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: METHOD FOR MANUFACTURING GRANULATING RAW MATERIAL FOR SINTERING, DEVICE FOR MANUFACTURING SAME AND METHOD FOR MANUFACTURING SINTERED ORE FOR BLAST FURNACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:NA :NA :NA :PCT/JP2012/063285 :24/05/2012 :WO 2013/175601 :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)HIGUCHI Takahide 2)TAKEUCHI Naoyuki 3)NUSHIRO Kouichi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Proposed are a method for manufacturing granulating raw material for sintering a device therefor, and a method for manufacturing sintered ore for a blast furnace using the granulating raw material for sintering thus obtained, the method for manufacturing granulating raw material for sintering having a mixing step for adding water to an admixture raw material and mixing in a drum mixer, and a granulation step for granulating the mixed admixture raw material using a pan pelletizer wherein coarse pseudo particles on the surface layer of the rolling layer of the admixture raw materials retained inside the pan pelletizer are granulated while being cracked in the granulation step. Granulation can thereby be carried out using iron ore fine that is difficult to granulate, and a raw material for sintering having good permeability can be manufactured by depositing coke breeze on the granulated pseudo particles. The combustion efficiency and melt formation conditions can be improved and the strength and productivity of the sintered ore can be enhanced by manufacturing a sintered ore using such a raw material for sintering.

No. of Pages: 41 No. of Claims: 21

(21) Application No.2575/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/11/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: METHOD AND APPARATUS OF CONTROLLING USER INTERFACE USING TOUCH SCREEN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:1020120053799 :21/05/2012 :Republic of Korea :PCT/KR2013/004458 :21/05/2013 :WO 2013/176472 :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)NAM Hyeong Min
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and an apparatus of controlling a User Interfaces (UIs) using a touch screen are provided. The method includes displaying a menu item in a basic setting menu that is preset in a user device the menu item being used to select rearrangement of UIs arranged in a display area of the touch screen in a user touchable partial area and displaying a rearranged screen displaying the UIs rearranged in the user touchable partial area upon sensing of a user touch input selecting the rearrangement of the UIs.

No. of Pages: 50 No. of Claims: 16

(21) Application No.2576/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/11/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: ELECTROLYTIC CELL EQUIPPED WITH CONCENTRIC ELECTRODE PAIRS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C25B1/02 :MI2012A001048 :18/06/2012 :Italy :PCT/EP2013/060179 :16/05/2013 :WO 2013/189670 :NA :NA	(71)Name of Applicant:  1)INDUSTRIE DE NORA S.P.A.  Address of Applicant: Via Bistolfi 35 I 20134 Milano Italy (72)Name of Inventor:  1)BENEDETTO Mariachiara
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electrochemical cell, particularly useful in electrochemical processes carried out with periodic reversal of polarity. The cell is equipped with concentric pairs of electrodes arranged in such a way that in each stage of the process, the cathodic area is equal to the anodic area.

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

(19) INDIA

(22) Date of filing of Application: 11/11/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: NETWORK CONVERGENCE METHOD AND DEVICE AND COMMUNICATION SYSTEM

:H04W12/06,H04W88/16 (71)Name of Applicant : (51) International classification 1)HUAWEI TECHNOLOGIES CO. LTD. (31) Priority Document No :201210149929.1 (32) Priority Date Address of Applicant : Huawei Administration Building :15/05/2012 (33) Name of priority country Bantian Longgang District Shenzhen Guangdong 518129 China :China (72) Name of Inventor: (86) International Application No :PCT/CN2012/082715 Filing Date :10/10/2012 1)ZHU Chunsheng (87) International Publication No :WO 2013/170576 2) HUANG Baoqing (61) Patent of Addition to Application 3)ZHENG Qi

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

#### (57) Abstract:

Filing Date

Provided are a network convergence method and device and a communication system which relate to the field of communications and can support a charging manner of a network to which an access user is subordinate. The network convergence method comprises: after an access user passes authentication a second gateway receiving a PDN connection establishment message which corresponds to the access user has an access user identifier and is sent by a first gateway; the first gateway being a gateway of a first network where the access user is located currently; the service of a PDN connection bearer corresponding to the access user comprising the service of the access user at the network side of the first network; and the second gateway initiating a charging procedure corresponding to the access user according to the access user identifier. The network convergence method and device and the communication system provided in the embodiments of the present invention are used for network convergence.

No. of Pages: 52 No. of Claims: 24

(21) Application No.2559/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention : MONITORING SYSTEM FOR TRACTIVE AND COMPRESSIVE FORCES IN A POWER TRACK CHAIN AND CORRESPONDING FORCE SENSOR

(51) International classification :F16G13/16,G01L1/22 (71)Name of Applicant : (31) Priority Document No :20 2012 003 907.5 1)IGUS GMBH (32) Priority Date Address of Applicant : Spicher Str. 1a 51147 Kln Germany :19/04/2012 (33) Name of priority country (72)Name of Inventor: :Germany (86) International Application No :PCT/EP2013/058202 1)JAEKER Thilo Alexander Filing Date :19/04/2013 2) HERMEY Andreas (87) International Publication No :WO 2013/156607 (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 monitoring system for tractive and compressive forces in a power track chain (1) for protected guidance of cables hoses etc. The monitoring system comprises at least one force sensor (10 90) for measuring a tractive or compressive force transmitted between a driver (4) and a moveable end (3) of the power track chain and an evaluation unit (12) for evaluating the measurement signals detected by the force sensor. The invention is characterised by the design and arrangement of the force sensor (10 90). This force sensor is designed as a connecting member for attaching the moveable end (3) of the power track chain (1) on the driver (4) and comprises at least one web (32 34 92) extended substantially transversely to the direction of the tractive/compressive force. The web has at least one elastically deformable bending region (321 322 341 342) with an associated sensor (621 622 641 642) for measuring deformation produced by bending.

No. of Pages: 29 No. of Claims: 21

(21) Application No.1171/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 13/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention : SPINNING PACK, METHOD OF MANUFACTURING SPINNING PACK, AND METHOD OF MODIFYING SPINNING PACK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:D01D4/08 :2013- 262120	(71)Name of Applicant: 1)TMT MACHINERY, INC. Address of Applicant:6TH FL., OSAKA GREEN BLDG., 2-
(32) Priority Date	:19/12/2013	6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-0041
(33) Name of priority country	:Japan	JAPAN Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KAZUHIRO KAWAMOTO
(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:

Stagnation of polymer in a spinning pack employing a polygonal-cross-section short metal fiber filter instead of a granular filter medium is restrained as much as possible. A spinning pack 4 includes a path forming body 40 including a polymer filling space 49, a volume reduction body 57 housed in the polymer filling space 49, a filter 44 including a first filter layer 51 formed by sintering short metal fibers each of which is polygonal in cross section, and a spinneret 41 including nozzles 54 from which molten polymer having passed the filter 44 is spun out.

No. of Pages: 50 No. of Claims: 7

(21) Application No.2608/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/11/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: LIGHT WEIGHT GUIDEPOST

(51) International classification :E21B41/10,E21B41/08,E21B41/00

:WO 2014/003572

(31) Priority Document No :20120758 (32) Priority Date :29/06/2012 (33) Name of priority country :Norway

(86) International Application :PCT/NO2013/050114

No :PC1/NO2013/03011

Filing Date :20/06/2013

(87) International Publication

No.

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

(71)Name of Applicant: 1)AKER SUBSEA AS

Address of Applicant :P.O.Box 94 N 1325 Lysaker Norway

(72)Name of Inventor : 1)KEKARAINEN Jarmo

#### (57) Abstract:

A releasable guidepost (1) for use on the seabed together with a fixed subsea structure is shown. The guidepost (1) assists during lowering of a component from the surface of the water to the subsea structure to obtain a focused landing of said component at a predetermined location. The guidepost (1) includes an upward (in the position of use) projecting end (2) designed for engagement with the lowered component. The guidepost (1) is of a light weight shell construction in order to increase buoyancy during lowering thereof through the sea by use of an ROV. The light weight shell construction defines a cavity (5) filled with a non collapsible buoyancy material (4) in at least part of the guidepost (1).

No. of Pages: 10 No. of Claims: 7

(21) Application No.2609/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/11/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: DEVICE FOR INDUCTIVE TRANSFER OF ELECTRICAL ENERGY

(51) International classification :B60L11/18,H01F38/14 (71)Name of Applicant : (31) Priority Document No 1)CONDUCTIX WAMPFLER GMBH :10 2012 104 372.8 (32) Priority Date Address of Applicant :Rheinstrae 27 + 33 79576 Weil am :21/05/2012 (33) Name of priority country :Germany Rhein Germany :PCT/EP2013/052019 (86) International Application No (72) Name of Inventor: Filing Date :01/02/2013 1)WECHLIN Mathias (87) International Publication No :WO 2013/174527 (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 (1) for the inductive transfer of electrical energy between a stationary coil (12) which can be installed in a roadway (7) and a secondary coil (13) of a movable electrical load in particular of an electrical vehicle (14) wherein a supply unit (16) for supplying electrical energy is allocated to the coil (12). The invention solves the problem of providing a maintenance friendly reliable operationally secure device for inductive transfer of electrical energy which is protected against penetration of water into the sensitive electronics in that the supply unit (16) is arranged on a side of the coil (12) facing away from the roadway (7) in an installed state in a housing (19) which is closed on top and laterally having a housing opening (20) open to the bottom.

No. of Pages: 13 No. of Claims: 18

(21) Application No.2610/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/11/2014 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: SUBSEA LEAK DETECTION SYSTEM

(31) Priority Document No	:E21B47/00,E21B43/01,F17D5/02 :20120822	1)AKER SUBSEA AS
(32) Priority Date	:17/07/2012	Address of Applicant: P.O. Box 94 N 1325 Lysaker Norway
<ul> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:Norway :PCT/NO2013/000034 :16/07/2013 :WO 2014/014356	<ul> <li>(72)Name of Inventor:</li> <li>1)ALBINSSON Bengtke</li> <li>2)LUNDHEIM Lars Timberlid</li> <li>3)STENSGAARD Roy</li> </ul>
No (61) Patent of Addition to	.WO 2014/014550	
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A subsea leak detection system for an off shore operation facility comprising at least a leak detector (6) operatively connected to a controller (9) located on a subsea assembly (14). The system is provided with a floating member (1) on which the leak detector (6) is suitably attached. The floating member (1) is adapted to be installed and stably positioned above the assembly (14).

No. of Pages: 23 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :29/12/2009 (43) Publication Date : 27/11/2015

#### (54) Title of the invention: PROCESS FOR THE PREPARATION OF STABLE NANOSIZED SILVER COLLOID

<ul> <li>(51) International classification</li> <li>(31) 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>	:C09J11/04 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)S.N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES Address of Applicant: J. D. BLOCK, SECTOR III-SALT LAKE KOLKATA 700098, INDIA West Bengal India (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</li> </ul>	: NA :NA :NA :NA	1)DAS, DR. (MS.) ANINDYA 2)RAYCHAUDHURI, PROF. ARUP KUMAR
Filing Date	:NA	

#### (57) Abstract:

A STABLE NANOSIZED SILVER COLLOID AND ITS PROCESS OF PREPARATION THEREOF A stable nanosized silver colloid for various end uses/applications and a simple and cost-effective one-pot synthetic methodology directed to achieve the same involving natural jute fibre, non-toxic chemicals, environmentally benign solvents and renewable materials. The said silver colloid of the present invention is exceptionally stable in aqueous solution and under static condition for more than one year that shows no change and signs of aggregation at almost boiling conditions.

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

(21) Application No.2572/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/11/2014 (43) Publication Date: 27/11/2015

#### (54) Title of the invention: STRONG CONSTITUTIVE PROMOTERS FOR HETEROLOGOUS EXPRESSION OF PROTEINS IN **PLANTS**

(51) International :C12N5/14,C12N15/82,C12N15/87 classification

(31) Priority Document No :61/652628 (32) Priority Date :29/05/2012

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

(86) International Application :PCT/US2013/043148

No

:29/05/2013 Filing Date

(87) International Publication :WO 2013/181271

(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)AGRIVIDA INC.

Address of Applicant :200 Boston Avenue Suite 3100

Medford Massachusetts 02155 U.S.A.

(72) Name of Inventor: 1)RAAB Michael R.

2)BOUGRI Oleg

#### (57) Abstract:

Nucleic acid promoters isolated from Panicum virgatum capable of transcriptional activation of heterologous nucleic acids are provided. Constructs vectors and transgenic plants that include nucleic acid promoters are described. Methods for producing heterologous proteins in transgenic plants by transforming the plants with vectors and constructs are also provided.

No. of Pages: 186 No. of Claims: 52

(21) Application No.2626/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/11/2014 (43) Publication Date: 27/11/2015

## (54) Title of the invention: MATERIAL ANISOTROPY INFORMATION AND PLATE THICKNESS INFORMATION SETTING METHOD FOR ANALYTICAL MODEL OF MOLDED ARTICLE AND RIGIDITY ANALYSIS METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:08/07/2013 :WO 2014/017037 :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)SAITO Takanobu
C	:NA :NA	

#### (57) Abstract:

This material anisotropy information and plate thickness information setting method for an analytical model of a molded article comprises: a developed blank shape acquisition step in which an analytical model of a molded article is developed into a blank shape using reverse molding analysis; a plate thickness information acquisition step in which plate thickness information obtained by the reverse molding analysis is acquired; a reference direction acquisition step in which a reference direction occurring in the developed blank shape is acquired on the basis of the developed blank shape and a parting blank shape; a reference direction setting step in which the angle that is formed between the reference direction of the developed blank shape and each element within the developed blank shape is calculated and the reference direction is set in each element of the analytical model for the molded article on the basis of the calculated angles; and a plate thickness information setting step in which the plate thickness information acquired at the plate thickness information acquired at the plate thickness information acquired at the plate

No. of Pages: 35 No. of Claims: 4

# PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (MUMBAI)

NOTICE IS HEREBY GIVEN THAT ANY PERSON INTERESTED IN OPPOSING THE FOLLOWING APPLICATION FOR RESTORATION OF PATENT UNDER SECTION 60 OF THE PATENT ACT, 1970, MAY AT ANY TIME WITHIN 2 MONTHS FROM THE DATE OF PUBLICATION OF THIS NOTICE, GIVE NOTICE TO THE CONTROLLER OF PATENTS AT THE APPROPRIATE OFFICE ON THE PRESCRIBED FORM-14 UNDER RULE 85 OF THE PATENTS (AMENDMENT) RULES, 2006.

Sl. No.	PATENT NO.	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
1.	206249	Indian Oil Corporation Limited	Process for production of aviation turbine fuel (ATF) premium grade kerosene through low pressure hydrotreating	21/07/2014	Mumbai

# PUBLICATION U/R 84[3] IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patents under Section 60 of the Patent Act, 1970, may at any time within 2 months from the date of publication of this notice, give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under rule 85 of the Patents Rules, 2003.

Patent No.	Applicants	Title	Date of Cessation	Appropriate Office
254094	SIMPLEX CONCRETE PILES (INDIA) LIMITED; DR. N. S. FOX	A METHOD OF PRODUCING A CAVITY FOR FORMATION OF ENGINEERED AGGREGATE PIERS	23/08/2014	Kolkata

Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	269961	1614/DEL/2005	22/06/2005	30/06/2004	STATOR TURBINE VANE WITH IMPROVED COOLING	SNECMA	17/08/2007	DELHI
2	269964	5707/DELNP/2007	10/01/2006	11/01/2005	FUEL CELL SYSTEM	TOYOTA JIDOSHA KABUSHIKI KAISHA	17/08/2007	DELHI
3	269967	4775/DELNP/2008	20/12/2006	21/12/2005	ORAL CARE TOOTHBRUSH	COLGATE- PALMOLIVE COMPANY	15/08/2008	DELHI
4	269968	558/DEL/2007	15/03/2007 12:01:25	17/03/2006	CASING COVER IN A JET ENGINE	SNECMA	28/09/2007	DELHI
5	269969	5201/DELNP/2006	24/03/2005	24/03/2004	OPTICAL CROSSOVER IN THIN SILICON	CISCO TECHNOLOGY, INC.	24/08/2007	DELHI
6	269971	773/DEL/2007	09/10/1996	11/10/1995	A PROCESS FOR PREPARING A SOLID TITANIUM CATALYST COMPONENT FOR OLEFIN POLYMERIZATION AND PROCESS FOR PREPARING POLYOLEFIN	MITSUI CHEMICALS INC.	03/08/2007	DELHI
7	269972	1969/DELNP/2009	07/12/2007	21/12/2006	OXYGENATE CONVERSION TO OLEFINS WITH METATHESIS	UOP LLC	12/06/2009	DELHI
8	269973	2549/DEL/2007	05/12/2007 13:36:25	07/12/2006	RESIN BONDED SORBENT	MULTISORB TECHNOLOGIES, INC.,	01/08/2008	DELHI
9	269974	3872/DELNP/2009	12/07/2004	15/07/2003	A PROCESS FOR THE PRODUCTION OF PROPYLENE	ABB LUMMUS GLOBAL INC	09/04/2010	DELHI
10	269975	1110/DEL/2007	23/05/2007 14:52:37		HAEMOSTATIC AGENT AND METHOD OF PREPARING THE SAME	THE DIRECTOR- GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	19/12/2008	DELHI
11	269976	8179/DELNP/2009	20/05/2008	20/06/2007	MULTI-COLORED LUSTROUS PEARLESCENT PIGMENTS	SUN CHEMICAL CORPORATION	25/06/2010	DELHI
12	269977	891/DELNP/2010	22/08/2009	23/08/2007	WATER-PURIFYING APPARATUS GENERATING ANIONS AND PROCESSING METHOD THEREOF	CHO CHUN HAENG	06/08/2010	DELHI

13	269978	7190/DELNP/2010	09/04/2009	09/04/2008	PROCESS	MEXICHEM AMANCO HOLDING S.A. DE C.V.	17/02/2012	DELHI
14	269979	1466/DELNP/2009	03/10/2007	13/10/2006	PRODUCTION FACILITY AND PRODUCTION PROCESS FOR HOT DIP GALVANNEALED STEEL PLATE	NIPPON STEEL CORPORATION	12/06/2009	DELHI
15	269981	756/DEL/2010	31/03/2010 11:43:50		AN IMPROVED PROCESS FOR TEH PREPARATION OF REMIFENTANIL AND ITS ANALOGUES	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	07/10/2011	DELHI
16	269984	872/DEL/2006	29/03/2006	27/05/2005	METHOD FOR MOLDING SYNTHETIC RESIN MOLDINGS	NAIGAI KASEI CO., LTD.	31/08/2007	DELHI
17	269985	5228/DELNP/2008	22/12/2006	28/12/2005	PROCESS FLAVOURS WITH LOW ACRYLAMIDE	DSM IP ASSETS B.V.	24/10/2008	DELHI
18	269986	814/DEL/2006	23/03/2006 16:03:23	11/05/2005	DRAFT DEVICE IN SPINNING MACHINE	MURATA KIKAI KABUSHIKI KAISHA	17/08/2007	DELHI
19	269989	319/DELNP/2009	27/07/2007	28/07/2006	METHOD OF ENHANCING AN AROMATIZATION CATALYST	CHEVRON PHILLIPS CHEMICAL COMPANY, LP	15/05/2009	DELHI
20	269990	5494/DELNP/2008	27/12/2006	28/12/2005	AEROSOL POWDER DELIVERY DEVICE	PHILIP MORRIS PRODUCTS S.A	24/10/2008	DELHI
21	269992	3142/DELNP/2009	05/11/2007	07/11/2006	A LIQUID PREPARATION COMPRISING AN ETHERIFIED CYCLODEXTRIN DERIVATIVE AND A SUBSTITUTED BENZIMIDAZOL	BOEHRINGER INGELHEIM VETMEDICA GMBH	17/07/2009	DELHI
22	269993	486/DEL/2006	22/02/2006	28/02/2005	PROCESS FOR THE PREPARATION OF THE - CRYSTALLINE FORM OF IVABRADINE HYDROCHLORIDE	LES LABORATOIRES SERVIER	17/08/2007	DELHI
23	269996	5092/DELNP/2008	15/12/2006	22/12/2005	MULTICOMPONENT SYSTEM FOR PRODUCTION OF THERMOPLASTIC- RUBBER COMPOSITE MOULDINGS AND METHOD FOR PREPARING SAID MOULDINGS	LANXESS DEUTSCHLAND GMBH	08/08/2008	DELHI
24	269997	795/DEL/2004	27/04/2004	28/04/2003	FLUFF REDUCING DEVICE OF A SPUN YARNS	SAVIO MACCHINE TESSILI S.P.A.	16/06/2006	DELHI
25	269998	5404/DELNP/2008	12/12/2006	13/12/2005	HYDROPROCESSING WITH BLENDED ZSM-48 CATALYSTS	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	08/08/2008	DELHI

2.5	2 50000	10105 757 117 (2000)		2 5 10 5 12 0 0 0	BIOERODIBLE SUSTAINED RELEASE	DOWNER A MIG. THE	20,102,12000	
26	269999	10137/DELNP/2008	25/06/2004	26/06/2003	DRUG DELIVERY SYSTEMS	PSIVIDA US, INC.	20/03/2009	DELHI
27	270003	194/DELNP/2009	03/07/2007	05/07/2006	1-ARYL-5-ALKYL PYRAZOLE DERIVATIVE COMPOUNDS, PROCESSES OF MAKING AND METHODS OF USING THEREOF	Merial Limited	20/08/2010	DELHI
28	270004	7364/DELNP/2008	29/03/2007	29/03/2006	MULTI-BLADE RAZORS AND BLADES FOR SAME	THE GILLETTE COMPANY	26/09/2008	DELHI
29	270006	6220/DELNP/2007	09/02/2006	15/02/2005	AN AZEOTROPE COMPRISING DESFLURANE (CF3CFHOCF2H) AND HYDROGEN FLUORIDE AND PROCESS FOR PRODUCING DESFLURANE FROM SAID AZEOTROPE	HALOCARBON PRODUCTS CORPORATION	31/08/2007	DELHI
30	270007	7983/DELNP/2007	10/04/2006	08/04/2005	CHROMIA BASED FLUORINATION CATALYST	MEXICHEM AMANCO HOLDING S.A. de C.V.	09/11/2007	DELHI
31	270009	718/DEL/2007	30/03/2007		A METHOD AND APPARATUS FOR PRODUCING AERONAUTICAL GRADE TITANIUM SPONGE FROM TITANIUM TETRACHLORIDE	DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	30/07/2010	DELHI
32	270010	1018/DEL/2005	25/04/2005	03/06/2004	METHOD AND APPARATUS FOR GENERATING FORMS USING FORM TYPES	MICROSOFT TECHNOLOGY LICENSING,LLC	01/12/2006	DELHI
33	270011	3143/DELNP/2008	04/10/2006	04/10/2005	METHODS OF MAKING SNACK FOOD PRODUCTS AND PRODUCTS MADE THEREOF	ASHOURIAN, JAMSHID	08/08/2008	DELHI
34	270015	942/DEL/2005	13/04/2005		PROCESS FOR DETECTING, ENUMERATING AND IDENTIFYING MICROORGANISMS	EMD MILLIPORE CORPORATION	08/08/2008	DELHI
35	270017	7477/DELNP/2007	28/10/2005	12/03/2005	ELEVATOR INSTALLATION	THYSSENKRUPP ELEVATOR AG	21/12/2007	DELHI
36	270022	2125/DEL/2005	10/08/2005	29/09/2004	MOTORCYCLE WITH STAND LOCKING DEVICE	HONDA MOTOR CO., LTD.	31/07/2009	DELHI
37	270023	3013/DELNP/2006	16/12/2004	17/12/2003	PROCESS FOR COATING THE INTERIOR SURFACE OF A RIGID OIL PIPE	E.I. DU PONT DE NEMOURS AND COMPANY.	31/08/2007	DELHI

38	270024	8606/DELNP/2008	06/04/2007	06/04/2006	MAGNESIUM HALIDE COMPLEXES, CATALYST COMPONENTS AND CATALYSTS FOR OLEFIN POLYMERIZATION PREPARED THEREFROM	CHINA PETROLEUM & CHEMICAL CORPORATION,BEIJIN G RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION	01/05/2009	DELHI
39	270025	910/DEL/2004	19/05/2004	30/06/2003	STEREO- COUPLED FACE SHAPE REGISTRATION	MICROSOFT TECHNOLOGY LICENSING, LLC	23/06/2006	DELHI
40	270027	520/DEL/2008	05/03/2008 11:47:41		A PROCESS FOR THE ENRICHMENT OF METHYL RICINOLEATE FROM CASTOR OIL METHYL ESTERS BY LIQUID-LIQUID EXTRACTION	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	18/09/2009	DELHI
41	270028	80/DELNP/2007	23/06/2005	23/06/2004	AN INJECTION DEVICE	ABBVIE BIOTECHNOLOGY LTD.	03/08/2007	DELHI
42	270032	7107/DELNP/2006	03/06/2005	03/06/2004	CLIENT-SERVER ARCHITECTURES AND METHODS FOR ZOOMABLE USER INTERFACE	HILLCREST LABORATORIES, INC.	31/08/2007	DELHI
43	270037	3742/DELNP/2009	18/12/2007	20/12/2006	PROCESS FOR REMOVING POLY(PROPYLENE OXIDE) FROM PROPYLENE OXIDE BY MEMBRANE SEPARATION	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V	26/03/2010	DELHI
44	270038	2005/DELNP/2007	15/09/2005	15/09/2004	NASAL DELIVERY DEVICES	OPTINOSE AS	17/08/2007	DELHI
45	270039	2547/DELNP/2005	12/07/2004	29/03/2004	SYSTEM AND METHOD FOR VERSIONING BASED TRIGGERS	MICROSOFT TECHNOLOGY LICENSING,LLC	02/10/2009	DELHI
46	270040	10691/DELNP/2008	25/05/2007	01/06/2006	WATEWATER TREATMENT SYSTEM AND METHOD	ACME TELE POWER (MAURITIUS) PRIVATE LIMITED	20/03/2009	DELHI
47	270041	480/DELNP/2009	26/06/2007	26/06/2006	PROCESS FOR PRODUCING OPTICAL FIBER BASE AND APPARATUS THEREFOR	SHIN-ETSU CHEMICAL CO., LTD.,	20/08/2010	DELHI
48	270043	1506/DEL/2008	24/06/2008 13:07:50	12/07/2007	POLYMERIC FILMS	ROHM AND HAAS COMPANY	06/03/2009	DELHI
49	270045	1508/DEL/2007	17/07/2007 16:12:03	23/03/2007	JET FABRIC DYEING MACHINE	FALMER INVESTMENTS LTD.	21/11/2008	DELHI
50	270046	289/DEL/2012	02/02/2012 12:05:45	14/02/2011	PROCESS FOR THE SYNTHESIS OF IVABRADINE OF FORMULA (1) PHARMACEUTICALLY ACCEPTABLE ACID	LES LABORATOIRES SERVIER	10/04/2015	DELHI

51	270048	2191/DEL/2004	03/11/2004		PROCESS FOR THE PREPARATIN OF A NITRO-GROUP BASED TOPICAL FORMULATED FOR TREATMENT OF ACUTE PERIPHERAL MICROVASCULAR DISEASEAS.	THE DIRECTOR GENERAL-DEFENCE RESEARCH & DEVELOPMENT ORGANISATION.	16/03/2007	DELHI
52	270049	4286/DELNP/2008	25/10/2006	28/10/2005	METHOD FOR PRODUCING A SACCHAROSE COMPOSITION, RESULTING PRODUCT AND USE THEREOF	TEREOS	01/08/2008	DELHI
53	270050	2297/DELNP/2009	19/10/2007	19/10/2006	BLOCK COPOLYMER FOR DRUG CONJUGATES AND PHARMACEUTICAL COMPOSITION	NANOCARRIER CO., LTD.	12/06/2009	DELHI
54	270052	7247/DELNP/2009	23/05/2008	25/05/2007	GRAFT COPOLYMER AND COMPOSITIONS THEREOF	LUBRIZOL LIMITED	25/06/2010	DELHI
55	270058	3646/DELNP/2008	07/11/2006	07/11/2005	POSITIONING FOR WLANS AND OTHER WIRELESS NETWORKS	QUALCOMM INCORPORATED	15/08/2008	DELHI
56	270063	5454/DELNP/2010	22/01/2009	31/01/2008	FLAME RETARDANT POLYIMIDE/POLYESTER- POLYCARBONATE COMPOSITIONS, METHODS OF MANUFACTURE, AND ARTICLES FORMED THEREFROM	SABIC GLOBAL TECHNOLOGIES B.V.	03/02/2012	DELHI
57	270064	1185/DEL/2004	25/06/2004		AIR -CONDITIONED BED	PANDEY, PRADYUMNA	23/06/2006	DELHI
58	270065	3215/DELNP/2004	10/04/2003	12/04/2002	POWERED TOOTHBRUSH HEAD	COLGATE- PALMOLIVE COMPANY	09/10/2009	DELHI
59	270067	9781/DELNP/2007	21/06/2006	23/06/2005	SNAR PROCESS FOR PREPARING BENZIMIDAZOLE COMPOUNDS	ARRAY BIOPHARMA INC.,ASTRAZENECA AB,	20/06/2008	DELHI
60	270068	7080/DELNP/2009	23/04/2008	26/04/2007	COMPOSITION FOR MANUFACTURING HEAT RAY-SHIELDING POLYVINYL CHLORIDE FILM AND MANUFACTURING METHOD OF THE SAME, AND HEAT RAY- SHIELDING POLYVINYL CHLORIDE FILM	SUMITOMO METAL MINING CO., LTD	25/06/2010	DELHI

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)	Appropriat e Office
1	269960	1726/MUMNP/2011	09/02/2010	19/03/2009	MEDICAL GUIDE WIRE	JAPAN LIFELINE CO. LTD.	20/01/2012	MUMBAI
2	269965	1215/MUM/2007	25/06/2007		AN IMPROVED MANUFACTURING PROCESS OF IRON SUCROSE	CLARIS LIFESCIENCES LTD.	17/08/2007	MUMBAI
3	269970	1002/MUMNP/2008	05/12/2006	05/12/2005	SYSTEMS, METHODS, AND APPARATUS FOR DETECTION OF TONAL COMPONENTS	QUALCOMM INCORPORATED	12/09/2008	MUMBAI
4	269980	2677/MUMNP/2008	29/01/2007	05/06/2006	METHOD FOR VACUUM-COMPRESSION MICRO PLASMA OXIDATION AND DEVICE FOR CARRYING OUT SAID METHOD	STATE EDUCATIONAL INSTITUTION OF HIGHER PROFESSIONAL EDUCATION TOMSK STATE UNIVERSITY,SIBSPAR K LIMITED LIABILITY COMPANY	13/03/2009	MUMBAI
5	269982	1923/MUMNP/2008	14/12/2007	14/12/2007	PROCESS TO PRODUCE SODIUM SULFATE AND MAGNESIUM HYDROXIDE	SERVICIOS ADMINISTRATIVOS PENOLES S.A. DE C.V.	03/07/2009	MUMBAI
6	270005	1113/MUMNP/2009	13/11/2006	13/11/2006	REMOTE MONITORING MANAGEMENT SYSTEM OF ELECTRIC POWER DEVICE	JIANGSU TONGCHI AUTOMATIC SYSTEM CO LTD	17/07/2009	MUMBAI
7	270021	1808/MUMNP/2011	30/07/2009	10/03/2009	A CROSSLINKABLE RUBBER COMPOSITION, THE USE THEREOF, THE RUBBER GRAINS THEREFROM, AND A METHOD FOR PREPARING AND INJECTION MOLDING THE RUBBER GRAINS	Shanghai Drb&tafu Industry CO. Ltd.	03/02/2012	MUMBAI
8	270047	1824/MUMNP/2011	26/03/2010	27/03/2009	NANOPOROUS FILMS AND METHOD FOR MANUFACTURING THE SAME	BIONEER CORPORATION	03/02/2012	MUMBAI
9	270051	168/MUMNP/2008	03/07/2006	01/07/2005	NOVEL SUSTAINED RELEASE DOSAGE FORM	RUBICON RESEARCH PVT. LTD.	22/02/2008	MUMBAI

10	270053	3052/MUM/2010	03/11/2010 12:50:20	PROCESS FOR PRODUCTION OF 5- HYDROXYMETHYLFURF URAL	YADAV GANAPATI DADASAHEB	17/12/2010	MUMBAI
11	270057	1567/MUM/2007	13/07/2007	A PROCESS FOR PRODUCING COLD BONDED PELLETS FROM SOLID WASTES GENERATED IN INTEGRATED STEEL PLANTS	JSW STEEL LIMITED	29/05/2009	MUMBAI
12	270066	2736/MUM/2009	26/11/2009 15:36:49	CONTROLLED RESEASE PHARMACEUTICAL COMPOSITION OF GALANTAMINE	USV LIMITED.	10/02/2012	MUMBAI

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	269963	2165/CHE/2009	07/09/2009 15:40:04	11/09/2008	METHOD AND SYSTEM FOR GENERATING A DYNAMIC HELP DOCUMENT	INTUIT INC.	26/03/2010	CHENNAI
2	269966	754/CHENP/200 8	10/07/2006	14/07/2005	METHOD FOR PRODUCING EMULSION POLYMERS	BASF AKTIENGESELLSCHA FT	28/11/2008	CHENNAI
3	269983	3842/CHENP/20 09	28/11/2007	01/12/2006	ANTHRAPYRIDONE COMPOUND OR A SALT THEREOF	NIPPON KAYAKU KABUSHIKI KAISHA	21/08/2009	CHENNAI
4	269988	6900/CHENP/20 08	06/07/2007	07/07/2006	DYNAMIC FREQUENCY ALLOCATION AND MODULATION SCHEME FOR CONTROL INFORMATION	Qualcomm Incorporated	21/08/2009	CHENNAI
5	269994	433/CHE/2007	05/03/2007		A CENTRE STAND FOR A TWO WHEELER MOTOR VEHICLE	TVS MOTOR COMPANY LIMITED	06/03/2009	CHENNAI
6	269995	2898/CHE/2009	25/11/2009 16:29:24		MOTORCYCLE WINDSHIELD ASSEMBLY	YUAN-HWEN CADTOOL INDUSTRIAL. CO., LTD	03/06/2011	CHENNAI
7	270013	5202/CHENP/20 08	19/03/2007	29/03/2006	POLYETHYLENE IMINE BASED PIGMENT DISPERSANTS	BASF SE	20/03/2009	CHENNAI
8	270014	2602/CHENP/200 8	25/10/2006	26/10/2005	A PROCESS FOR MAKING A BULK CATALYST COMPRISING NICKEL TUNGSTEN METAL OXIDIC PARTICLES	ALBEMARLE NETHERLANDS B.V.	06/03/2009	CHENNAI
9	270016	3927/CHENP/200 8	26/12/2006	27/01/2006	PROCESS FOR PRODUCING HIGH-QUALITY GRANULAR BISPHENOL A	IDEMITSU KOSAN CO; LTD	13/03/2009	CHENNAI
10	270018	5980/CHENP/20 08	12/05/2006	12/05/2006	METHOD FOR PREPARING A PRION-FREE BONE GRAFTING SUBSTITUTE	SEOUL NATIONAL UNIVERSITY INDUSTRY FOUNDATION	27/03/2009	CHENNAI
11	270019	216/CHENP/200 9	14/06/2007	15/06/2006	METHOD AND APPARATUS FOR ON- DEMAND COMPOSITION AND TEARDOWN OF SERVICE INFRASTRUCTURE	INTERNATIONAL BUSINESS MACHINES CORPORATION	05/06/2009	CHENNAI

12	270020	902/CHE/2007	27/04/2007 16:26:26	27/04/2006	PROCESS FOR TREATING STORAGE RESERVOIRS CONTAMINATED WITH MYCOTOXINS	XEDA INTERNATIONAL	28/11/2008	CHENNAI
13	270026	1965/CHENP/20 09	20/12/2007	20/12/2006	AN ANTENNA ARRANGEMENT	Nokia Corporation	21/08/2009	CHENNAI
14	270029	1893/CHE/2006	12/10/2006 12:51:52		METHOD FOR MANAGING CONTENT IN HYBRID- TELEVISION(TV) MODEL	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	28/11/2008	CHENNAI
15	270030	895/CHENP/200 9	20/04/2007	18/08/2006	ENDOSCOPE APPARATUS AND SIGNAL PROCESSING METHOD THEREOF	OLYMPUS CORPORATION	29/05/2009	CHENNAI
16	270031	167/CHENP/200 7	15/06/2005	16/07/2004	COMPOSITION FOR AN ELECTRODE MATERIAL, ITS USE AND METHOD FOR PRODUCING A SOLAR CELL	SHIN-ETSU CHEMICAL CO., LTD	24/08/2007	CHENNAI
17	270034	2675/CHE/2009	03/11/2009 19:49:01	05/11/2008	METHOD FOR SPECIFYING AND VALIDATING UNTIMED NETS •	INTERNATIONAL BUSINESS MACHINES CORPORATION	25/06/2010	CHENNAI
18	270044	1201/CHE/2004	16/11/2004		A METHOD FOR INTER- RAT IDLE HANDOFF BETWEEN HRPD AND CDMA2000 1X NETWORKS	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	31/08/2007	CHENNAI
19	270054	2647/CHENP/20 10	01/10/2008	11/10/2007	SOFT POLYPROPYLENE COMPOSITION WITH SOFT TOUCH FEELING	BOREALIS TECHNOLOGY OY	29/10/2010	CHENNAI
20	270056	1694/CHENP/20 08	05/10/2006	06/10/2005	ELECTRICAL CONNECTOR	FCI Automotive Holding	26/12/2008	CHENNAI

Seri al Num ber	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	269962	1723/KOLNP/2006	05/01/2005	09/01/2004	AN ANTIMICROBIAL CONCENTRATE COMPOSITION FOR REDUCING THE MICROBIAL BURDEN ON THE SURFACE OF A SLAUGHTERED POULTRY AND A METHOD FOR THE SAME	ECOLAB INC.	11/05/2007	KOLKATA
2	269987	817/KOLNP/2009	12/03/2007	07/08/2006	SYSTEM AND METHOD FOR GENERATING COMMUNICATION SUBSCRIBER DESCRIPTION INFORMATION	HUAWEI TECHNOLOGIES CO., LTD.	22/05/2009	KOLKATA
3	269991	3606/KOLNP/2010	15/04/2009	16/04/2008	HYDROGENOLYSIS PROCESSES AND HYDROGENOLYSIS CATALYST PREPARATION METHODS	BATTELLE MEMORIAL INSTITUTE,UOP LLC	25/11/2011	KOLKATA
4	270000	242/KOLNP/2009	19/06/2007	19/06/2006	CYCLOALKANOPYRROL OCARBAZOLE DERIVATIVES AND THE USE THEREOF AS PARP, VEGFR2 AND MLK3 INHIBITORS	CEPHALON, INC.	08/05/2009	KOLKATA
5	270001	4712/KOLNP/2008	25/04/2007	28/07/2006	PROCESS FOR ALKALINE HYDROLYSIS OF CARBOXYLIC ACID DERIVATIVES TO CARBOXYLIC ACIDS	KRAUSE-ROHM- SYSTEME AG	13/03/2009	KOLKATA
6	270002	3250/KOLNP/2009	02/04/2008	03/04/2007	1,4-HYDROGENATION OF SORBOL WITH RU COMPLEXES	INNOVAROMA SA	20/08/2010	KOLKATA
7	270008	3309/KOLNP/2009	21/03/2008	23/03/2007	PROCESS FOR PRODUCING ARYLSULFUR PENTAFLUORIDES	UBE INDUSTRIES,LIMITED	11/12/2009	KOLKATA
8	270012	2987/KOLNP/2007	03/02/2006	03/02/2005	ILLUMINATION DEVICE	ALBIS PLASTIC GMBH	14/09/2007	KOLKATA
9	270033	1327/KOLNP/2007	23/06/2005	11/10/2004	METHOD AND SYSTEM OF IMPLEMENTING CALL AUTHORITY BASED ON INTELLECTUAL MOBILE NETWORK	ZTE CORPORATION	20/07/2007	KOLKATA

10	270035	421/KOL/2008	04/03/2008	20/04/2007	8-SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	07/11/2008	KOLKATA
11	270036	1097/KOL/2007	07/08/2007		A METHOD OF PRODUCING ULTRA THIN SHEET CONTAINING SUBMICRON TO NONOCRYSTALLINE GRAINS	TATA STEEL LIMITED	10/04/2009	KOLKATA
12	270042	3913/KOLNP/2010	25/03/2009	25/03/2008	PLATE BRICK AND PRODUCTION METHOD THEREFOR	KROSAKIHARIMA CORPORATION	18/11/2011	KOLKATA
13	270055	3326/KOLNP/2010	11/03/2009	12/03/2008	POLYAMIDE, POLYAMIDE COMPOSITION, AND METHOD FOR PRODUCING POLYAMIDE	ASAHI KASEI CHEMICALS CORPORATION	25/11/2011	KOLKATA
14	270059	1878/KOL/2008	03/11/2008 15:49:28	04/11/2007	METHOD FOR ELECTRIC POWER BOOSTING IN A POWERTRAIN SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC	05/06/2009	KOLKATA
15	270060	2227/KOLNP/2007	27/12/2005	28/12/2004	INTEGRATED CURRENT COLLECTOR AND ELECTRICAL COMPONENT PLATE FOR A FUEL CELL STACK	BALLARD POWER SYSTEMS INC.	31/08/2007	KOLKATA
16	270061	772/KOL/2007	18/05/2007	08/03/2007	CASE FOR CIRCUIT BREAKER WITH MONOLITHIC DOOR	LS INDUSTRIAL SYSTEMS CO., LTD.	03/04/2009	KOLKATA
17	270062	5065/KOLNP/2008	18/06/2007	16/06/2006	SYSTEM AND METHOD FOR CONTROLING POWER IN A COMMUNICATION SYSTEM	SAMSUNG ELECTRONICS CO. LTD.	27/03/2009	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.

### **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	200659	08.10.2015
2.	200660	08.10.2015
3.	200661	08.10.2015
4.	200662	08.10.2015
5.	200663	08.10.2015
6.	200664	08.10.2015
7.	200667	03.11.2015
8.	200727	08.10.2015
9.	200880	08.10.2015
10.	201177	08.10.2015
11.	201526	15.10.2015
12.	201772	03.11.2015
13.	201773	03.11.2015
14.	201774	03.11.2015
15.	201775	03.11.2015
16.	201776	03.11.2015

#### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

COUNTRY

**ITALY** 

DESIGN NUMBER	269524			
CLASS	02-04			
1)DIADORA SPORT S.R.L. OF VIA MONTELLO, 80, 31031 CAERANO DI SAN MARCO-ITALY				
DATE OF REGISTRATION	11/02/2015			
TITLE FOOTWEAR				
PRIORITY				

DATE

11/08/2014



DESIGN NUMBER	271195
CLASS	28-03

1)THE GILLETTE COMPANY, A BODY CORPORATE INCORPORATED UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS REGISTERED OFFICE AT

ONE GILLETTE PARK, BOSTON, MASSACHUSETTS, 02127 UNITED STATES OF AMERICA

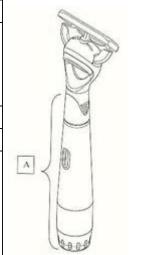
DATE OF REGISTRATION	07/04/2015
TITLE	RAZOR



PRIORITY NUMBER

DM/084 153

L	MOMIT		
	PRIORITY NUMBER	DATE	COUNTRY
	29/504536	16/10/2014	U.S.A.
1			



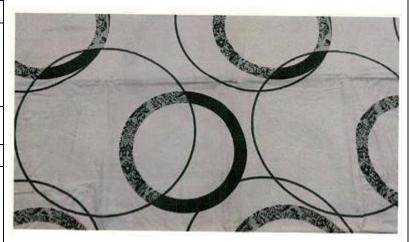
DESIGN NUMBER	271503
CLASS	05-05

## 1)M/S BOOK MY WISH E-COMMERCE PVT. LTD. WHOSE ADDRESS IS-

BASEMENT, MIHIR TOWER, OPP. HIRABHAI TOWER, JAWAHAR CHOWK, MANINAGAR, AHMEDABAD-380008, GUJARAT, INDIA

DATE OF REGISTRATION	17/04/2015	
TITLE	TEXTILE FABRIC	





DESIGN NUMBER	264786	
CLASS	06-08	

### 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

DATE OF REGISTRATION		GARMENT HANGER	
TITLE			
PRIORITY			
PRIORITY NUMBER	D	ATE	COUNTRY
4034277	1.	4/02/2014	IIK



	DESIGN NUMBER	263481
	CLASS	23-01

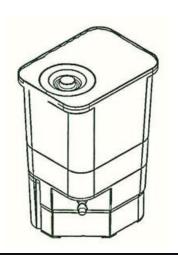
#### 1)MARMON WATER (SINGAPORE) PTE. LTD., OF

NO. 2 SERANGOON MORTH AVENUE 5 #01 01, SINGAPORE 554911

DATE OF REGISTRATION	18/06/2014
TITLE	DRINKING WATER SYSTEM

#### **PRIORITY**

ı	I KI O KI I		
	PRIORITY NUMBER	DATE	COUNTRY
	29/486,906	03/04/2014	U.S.A.

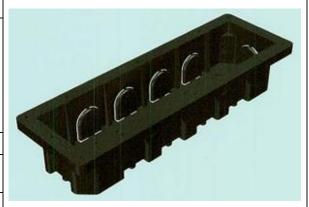


DESIGN NUMBER	272335	
CLASS	13-03	

## 1)BHAGYA LAXMI INDUSTRIES, INDIAN PROPRIETORSHIP FIRM HAVING PRINCIPAL PLACE OF BUSINESS AT

PLOT NO. 71, BALAJI INDUSTRIAL AREA, MANDA DUNGAR, BHAVNAGAR ROAD, RAJKOT, GUJARAT, INDIA AND HAVING PROPRIETOR SMT. GAURIBEN JIVRAJBHAI PATEL, RESIDING AT OM, SHIVRANJANI PARK, B.H. RANCHHODDAS ASHRAM, KUVADVA ROAD, RAJKOT, INDIAN NATIONALS

DATE OF REGISTRATION	25/05/2015	
TITLE	MODULAR BOX FOR ELECTRIC PURPOSE	
PRIORITY NA		



DESIGN NUMBER	274009	
CLASS	23-01	

## 1)LUBRIZOL ADVANCED MATERIALS, INC., A DELAWARE CORPORATION OF

9919 BRECKSVILLE ROAD, CLEVELAND, OHIO 44141-3247, U.S.A.

DATE OF REGISTRATION	29/07/2015
TITLE	PIPE
DDIODIES/ NA	

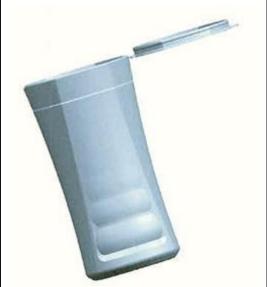


#### PRIORITY NA

DESIGN NUMBER	270220	
CLASS	09-03	
1)DDAMIT CANCHAVI AN INDIAN NATIONAL WHOSE ADDDESS IS		

## 1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA

WZ 6/1, INDOSTRILE INCL., KIRTITIZION, NEW DELIN 110013, INDIX	
DATE OF REGISTRATION 10/03/2015	
TITLE	CONTAINER WITH CAP



#### PRIORITY NA

DESIGN NUMBER	270446
CLASS	15-03

#### 1)S. BALDEEP SINGH, C/O. M/S. BIRSON INDUSTRIES (REGD.) OF CHANDIGARH ROAD, SAMRALA, DISTT. LUDHIANA, (PUNJAB), INDIA, INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	19/03/2015
TITLE	ROTATING DISC ASSEMBLY FOR SEED SOWING MACHINE

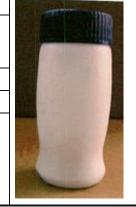


DESIGN NUMBER	269908
CLASS	09-01

#### 1)SHRI. SURINDER PAL

R/O HOUSE NO. 1054, SECTOR-8, AMBALA CITY, HARYANA-134003, AN INDIAN NATIONAL

DATE OF REGISTRATION	27/02/2015
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	264790
CLASS	06-08

## 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

DATE OF REGISTRATION		14/08/2	2014
TITLE	GARMENT HANGER		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
4034281		14/02/2014	U.K.



DESIGN NUMBER	264789
CLASS	06-08

## 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

DATE OF REGISTRATION	14/08/2014
TITLE	GARMENT HANGER



PRIORITY NUMBER	DATE	COUNTRY
4034280	14/02/2014	U.K.



DESIGN NUMBER	271786
CLASS	12-16
1) /	

#### 1)AUDI AG, A JOINT STOCK COMPANY ESTABLISHED UNDER GERMAN LAW OF

AUTO-UNION-STR. 1, D-85045 INGOLSTADT, GERMANY

DATE OF REGISTRATION	29/04/2015
TITLE	WHEEL RIM FOR VEHICLES



PRIORITY NUMBER	DATE	COUNTRY
002575316-0001	10/11/2014	OHIM

	ATA
1	

DESIGN NUMBER	268694
CLASS	09-03
1)ABDULKADAR H. HUNANI, MOHAMMED ASIF	

ZARINA ABDULKADAR HUNANI, RAHILA ASIF HUNANI, TABASSUM SUNEH HUNANI, ALL INDIAN NATIONALS, TRADING AS HUNANI PRODUCTS, AN INDIAN PARTNERSHIP FIRM, ADDRESS AT

NO. 86, NAVAGAM INDUSTRIAL AREA, NAVAGAM, NATIONAL HIGHWAY NO 8, TALUKA: KAMREJ, DIST: SURAT 394185, GUJARAT, INDIA

DATE OF REGISTRATION	08/01/2015
TITLE	EYEWEAR CASE
PRIORITY NA	



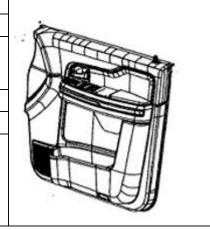
DESIGN NUMBER	

DESIGN NUMBER	270021
CLASS	12-16

### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	FRONT DOOR ASSEMBLY OF A VEHICLE



DESIGN NUMBER	270196
CLASS	15-05

## 1)PRADEEPKUMAR NANDLAL DHOOT, INDIAN NATIONAL OF GANGAPURWALA,

2275 ADAT BAZAR, AHMEDNAGAR-414001, MAHARASHTRA, INDIA

DATE OF RE	GISTRATION	09/03/2015
TITLE		WASHING MACHINE



#### PRIORITY NA

DESIGN NUMBER	270378
CLASS	02-04

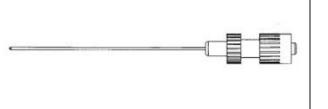
1) VEEKESY ELASTOMERS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/330, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA,

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 37 (THIRTY SEVEN) YEARS

DATE OF REGISTRATION	16/03/2015
TITLE	SOLE OF FOOTWARE

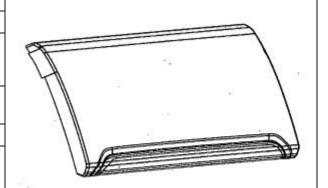


DESIGN NUMBER	271590			
CLASS	24-01			
1)MERIL LIFE SCIENCES PRIVATE LIMITED SURVEY NO.135/139, BILAKHIA HOUSE, MUKTANAND MARG, CHALA, VAPI- 396 191 GUJARAT,INDIA				
DATE OF 22/04/2015 REGISTRATION				
TITLE SINUS DILATION GUIDE WIRE				
PRIORITY NA				



DESIGN NUMBER		2382	89				
CLASS		14-01					
1)KONINKLIJKE PHILIPS AT EINDHOVE, WHOSE F CAMPUS 5, 5656 AE EINDHO	OST-OFF			ТЕСН	_		λ
DATE OF REGISTRATION		25/07/2	2011				1
TITLE	N	MICRO AUDI	O SYSTEM				
PRIORITY			_		-		
PRIORITY NUMBER	DAT	ГЕ	COUNTRY	Y			
001810334-0005	25/0	01/2011	OHIM				
DESIGN NUMBER			2647	87	1		
CLASS			06-0	8			
1)MAINETTI (UK) LIMITE OF ANNFIELD ESTATE, OXN SCOTLAND, TD8 6NN, UNITI	IAM ROA	AD, JEDBURC				2	
DATE OF REGISTRATION			14/08/2	2014			
TITLE		GARMENT HANGE		₹			
PRIORITY							
PRIORITY NUMBER		DATE		COUNT	RY		
4034278		14/02/2014	4	U.K.			
DESIGN NUMBER			2716	68			
CLASS			06-0	)8			
1)SOLAMON THONIVILA NEDUMPURATH THONIV KOLLAM (DIST) KERALA ST	/ILA (H),	CHENGAMA					
DATE OF REGISTRATION			24/04/2	2015			
TITLE		INTERLOCK	ING FRAM CLOTH S		ETACHABLE	E	
PRIORITY NA							

DESIGN NUMBER 270031		
CLASS 12-16		
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	ATION 02/03/2015	



#### PRIORITY NA

TITLE

DESIGN NUMBER 269601				
CLASS	05-05			
1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT. 1956 HAVING ITS				

LID OF UTILITY BIN FOR A VEHICLE

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

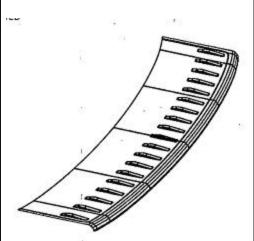
A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015		
TITLE	TEXTILE FABRIC		



#### PRIORITY NA

DESIGN NUMBER 269946		
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION 27/02/2015		
TITLE REAR BUMPER STEP PLATE OF A VEHICLE		



DESIGN NUMBER 270804	270804		
CLASS 09-01			

#### 1)DR. REDDY'S LABORATORIES LIMITED,

8-2-337, ROAD NO .3, BANJARA HILLS, HYDERABAD, TELANGANA, INDIA-500034

DATE OF REGISTRATION	30/03/2015		
TITLE	BOTTLE		



#### PRIORITY NA

DESIGN NUMBER	271355		
CLASS	26-03		

# 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT

EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION 13/04/2015			2015
TITLE	LUMINAIRE FOR ROAD LIGHTING		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
002556563-0001		14/10/2014	ОНІМ

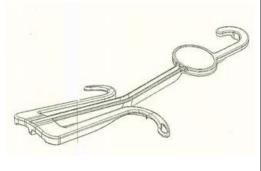


DESIGN NUMBER	271865		
CLASS	06-08		

#### 1)PHINEAS PRODUCTS LIMITED,

ADDRESS: AIRFIELD HOUSE, WESTERN DRIVE, HENGROVE, BRISTOL BS14 0AF, UNITED KINGDOM, NATIONALITY: A COMPANY INCORPORATED UNDER THE LAWS OF THE UNITED KINGDOM

DATE OF REGISTRATION		05/05/2015		
TITLE		SHOE HANGER		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
002571570-0004		05/11/2014	OHIM	



DESIGN NUMBER	271791
CLASS	12-16

## 1)AUDI AG, A JOINT STOCK COMPANY ESTABLISHED UNDER GERMAN LAW OF

AUTO-UNION-STR. 1, D-85045 INGOLSTADT, GERMANY

DATE OF REGISTRATION	29/04/2015
TITLE	WHEEL RIM FOR VEHICLES



PRIORITY NUMBER	DATE	COUNTRY
002575316-0006	10/11/2014	OHIM

1	1	A			
M	4				
		7	A.		
1		M		y	

DESIGN NUMBER	270027		
CLASS	14-02		
1)AMAZON TECHNOLOG	LIFS INC A COMPANY ORGANIZED		

## 1)AMAZON TECHNOLOGIES, INC., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT

P.O. BOX 8102, RENO, NEVADA 89507, UNITED STATES OF AMERICA

DATE OF REGISTRATION	02/03/2015
TITLE	TABLET COMPUTING DEVICE

#### **PRIORITY**

н			
	PRIORITY NUMBER	DATE	COUNTRY
l	29/501,385	03/09/2014	U.S.A.



DESIGN NUMBER	271275
CLASS	06-06
1)BRIGHT PRODUCTS AS; A NORWEGIAN COMPANY, OF HOFFSVEIEN 17A, 0275 OSLO, NORWAY	

DATE OF REGISTRATION	09/04/2015
TITLE	STAND

PRIORITY NUMBER	DATE	COUNTRY
002555342-0002	10/10/2014	OHIM



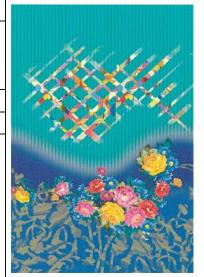
DESIGN NUMBER	2	271863		
CLASS		06-08		
1)PHINEAS PRODUCTS LIMIT ADDRESS: AIRFIELD HOUSE, BS14 0AF, UNITED KINGDOM, NA INCORPORATED UNDER THE LA	WESTERN DRIVE, ATIONALITY: A CC	OMPANY	RISTOL	
DATE OF REGISTRATION	05/	/05/2015		
TITLE	SHOF	E HANGER		11/2
PRIORITY				7)///
PRIORITY NUMBER	DATE	COUNTRY	18/1	
002571570-0002	05/11/2014	OHIM		
			The state of the s	
DESIGN NUMBER		271789		
CLASS		12-16		
1)AUDI AG, A JOINT STOCK C LAW OF AUTO-UNION-STR. 1, D-85045			GERMAN	
DATE OF REGISTRATION		29/04/2015	- 1	A A
TITLE	WHEE	WHEEL RIM FOR VEHICLES		
PRIORITY				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
PRIORITY NUMBER	DATE	COUN	TRY	
002575316-0004	10/11/2014	OHIM		
DESIGN NUMBER		270032		
DESIGN NUMBER CLASS		270032 12-16		
		12-16 ANY OF	MUMBAI	
CLASS  1)TATA MOTORS LIMITED, AI BOMBAY HOUSE, 24 HOMI MO		12-16 ANY OF	, MUMBAI	

DESIGN NUMBER	269602
CLASS	05-05

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER 270473 CLASS 13-03	
DATE OF REGISTRATION	20/03/2015
TITLE	ELECTRIC EXTENSION BOX

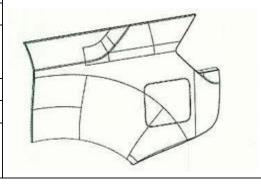


#### PRIORITY NA

DESIGN NUMBER	269949
CLASS	12-16

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	27/02/2015
TITLE	REAR QUARTER PANEL OF A VEHICLE



DESIGN NUMBER	271356
CLASS	26-03

1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT

EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION		13/04/2	2015
TITLE	]	LUMINAIRE FOR R	OAD LIGHTING
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
002556563-0002		14/10/2014	OHIM



DESIGN NUMBER	273000
CLASS	08-05

1)PARVESH KAMBOJ, AN INDIAN NATIONAL, WHOSE ADDRESS IS PLOT NO. 66/6, INDUSTRIAL AREA, N.I.T. FARIDABAD, HARYANA (INDIA)

DATE OF REGISTRATION	24/06/2015
TITLE	LUBRICATING EQUIPMENT



#### PRIORITY NA

	DESIGN NUMBER	257515
<b>CLASS</b> 08-07	CLASS	08-07

1)M/S. DECCAN SIGNTECH (P) LTD., AN INDIAN PRIVATE LIMITED FIRM WHOSE IS DIRECTOR. SHRI A. VINOD KUMAR REDDY S/O (LATE) SHRI. A SRIPATHI REDDY INDIAN NATIONALS, HAVING OUR OFFICE AT

 $\mbox{A3-4/A},$  ELECTRONIC COMPLEX, ECIL, KUSHAIGUDA, HYDERABAD-500062, ANDHRA PRADESH, INDIA

DATE OF REGISTRATION	15/10/2013
TITLE	SEAL



DESIGN NUMBER	270050
CLASS	12-16

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	AUDIO CONSOLE COVER OF A VEHICLE



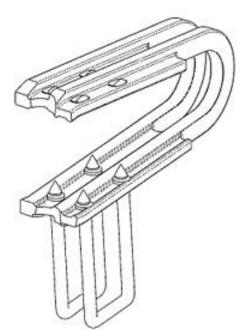
#### PRIORITY NA

DESIGN NUMBER	269638
CLASS	12-05

#### 1)FLEXIBLE STEEL LACING COMPANY, OF

2525 WISCONSIN AVENUE, DOWNERS GROVE, IL 60515, UNITED STATES OF AMERICA

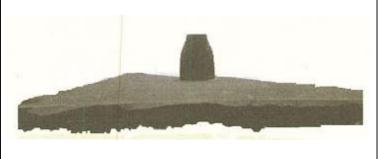
DATE OF REGISTRATION	16/02/2015
TITLE	FASTENER FOR CONVEYOR BELTS



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/499,693	18/08/2014	U.S.A.

DESIGN NUMBER	269984
CLASS	06-11
1)AGRI & INDUSTRIAL RUBBER LTD AT AGRI & INDUSTRAIL RUBBER LTD. (EASY FIX RUBBER PRODUCTS), PERSSE BUSINESS PARK, BALLINASLOE, GAILWAY, IRELAND	
DATE OF REGISTRATION	27/02/2015
TITLE	FLOOR MAT



DESIGN NUMBER	271033
CLASS	07-02

#### 1)HAWKINS COOKERS LIMITED, OF

MAKER TOWER F 101, CUFFE PARADE, P.O. BOX 16083, MUMBAI-400005, MAHARASHTRA, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	06/04/2015
TITLE	DISH SET FOR PRESSURE COOKER



#### PRIORITY NA

DESIGN NUMBER	224312
CLASS	19-02

#### 1)NATIONAL INSTITUTE OF DESIGN, PALDI, AHMEDABAD 380 007, GUJARAT,

INDIA,

DATE OF REGISTRATION	17/08/2009
TITLE	PAPER CLIP



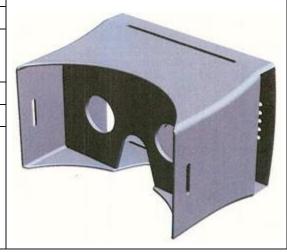
#### PRIORITY NA

DESIGN NUMBER	271415
CLASS	21-01

#### 1)ANKUSH AGGARWAL

H.NO. 3085, SECTOR-28D, CHANDIGARH, INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	15/04/2015
TITLE	HEADSET FOR GAME



DESIGN NUMBER	271911
CLASS	06-11

### 1) ENVEE & CO., AN INDIAN NATIONAL SOLE PROPRIETORSHIP FIRM WHOSE ADDRESS

 $26/8,\, NAJAFGARH$  ROAD, INDUSTRIAL AREA, NEW DELHI- 110015 (INDIA) OF SHANKER LALL BHATIA, NATIONALITY INDIAN

DATE OF REGISTRATION	06/05/2015
TITLE	CAR MAT



#### PRIORITY NA

DESIGN NUMBER	272271
CLASS	11-02

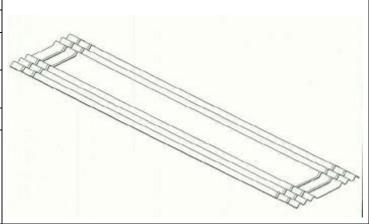
### 1)CHAMPAKSINH GAJRUBHAI RANA AN INDIAN NATIONAL AND HAVING ADDRESS AT

"VASTU", 147, RAVI RESIDENCY, B/H. STERLING HOSPITAL, 150 FEET RING ROAD, RAJKOT (GUJARAT) INDIA

DATE OF REGISTRATION	21/05/2015
TITLE	FLOWER POT STAND



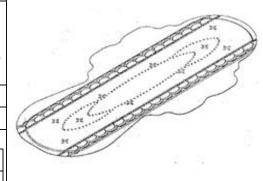
DESIGN NUMBER	263023	
CLASS	25-01	
1)ONDULINE, A FRENCH COMPANY, LOCATED 35 RUE BAUDIN, 92300 LEVALLOIS-PERRET, FRANC		
DATE OF REGISTRATION	30/05/2014	
TITLE	ROOFING PLATE	
PRIORITY NA		



DESIGN NUMBER	271838
CLASS	24-04
1)THE PROCTER & GAMBLE COMPANY, A BODY CORPORATE INCORPORATED UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS REGISTERED OFFICE AT	

ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO - 45202, UNITED STATES OF AMERICA

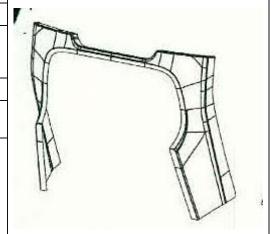
DATE OF REGISTRATION		30/04/2015	
TITLE		SANITARY NAPKIN	
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
29/507663		30/10/2014	U.S.A.



DESIGN NUMBER	270053
CLASS	12-16

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	DASHBOARD CENTRE FINISHER OF A VEHICLE



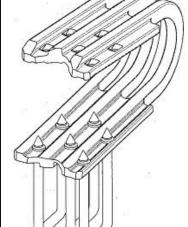
#### PRIORITY NA

DESIGN NUMBER	269639
CLASS	12-05
1) ELEVIDLE CEERLI ACINC COMPANY OF	

#### 1)FLEXIBLE STEEL LACING COMPANY, OF

2525 WISCONSIN AVENUE, DOWNERS GROVE, IL 60515, UNITED STATES OF AMERICA

DATE OF REGISTRATION	16/02/2015
TITLE	FASTENER FOR CONVEYOR BELTS



PRIORITY NUMBER	DATE	COUNTRY
29/499,693	18/08/2014	U.S.A.

DESIGN NUMBER	271034
CLASS	07-02

#### 1)HAWKINS COOKERS LIMITED, OF

MAKER TOWER F 101, CUFFE PARADE, P.O. BOX 16083, MUMBAI-400005, MAHARASHTRA, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	06/04/2015
TITLE	DISH SET FOR PRESSURE COOKER



#### PRIORITY NA

DESIGN NUMBER	271416			
CLASS	15-09			
1)ENDICO POWER TOOLS (INDIA) 1276/1, STREET NO.3, SHIMLAPURI LUDHIANA-3 (P.B.) INDAI,				
DATE OF REGISTRATION	15/04/2015			
TITLE	WOOD WORKING MACHINE TOOL			



#### PRIORITY NA

DESIGN NUMBER	271912	
CLASS	06-11	

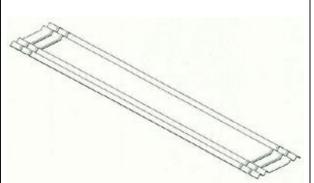
## 1)ENVEE & CO., AN INDIAN NATIONAL SOLE PROPRIETORSHIP FIRM WHOSE ADDRESS IS

26/8, NAJAFGARH ROAD, INDUSTRIAL AREA, NEW DELHI-110015 (INDIA) OF SHANKER LALL BHATIA, NATIONALITY INDIAN

DATE OF REGISTRATION	06/05/2015		
TITLE	CAR MAT		



DESIGN NUMBER	263025		
CLASS	25-01		
1)ONDULINE, A FRENCH COMPANY, LOCATED 35 RUE BAUDIN, 92300 LEVALLOIS-PERRET, FRANCE			
DATE OF REGISTRATION	30/05/2014		
TITLE	ROOFING PLATE		



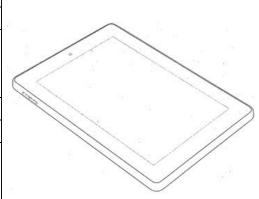
#### PRIORITY NA

DESIGN NUMBER	270026	
CLASS	14-02	

1)AMAZON TECHNOLOGIES, INC, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT

P.O. BOX 8102, RENO, NEVADA 89507, UNITED STATES OF AMERICA

DATE OF REGISTRATION	02/03/2015			
TITLE	TABLET COMPUTING DEVICE			
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
29/501,351		03/09/2014	U.S.A.	



DESIGN NUMBER	270447
CLASS	15-03

1)S. BALDEEP SINGH, C/O. M/S. BIRSON INDUSTRIES (REGD.) OF CHANDIGARH ROAD, SAMRALA, DISTT. LUDHIANA, (PUNJAB), INDIA, INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	19/03/2015		
TITLE	ROTATING DISC FOR SEED SOWING MACHINE		

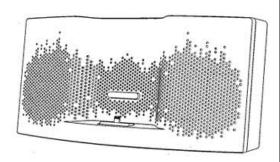


DESIGN NUMBER	269917	
CLASS	14-01	

### 1)BOSE CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, OF

THE MOUNTAIN, MS 3B1 FRAMINGHAM, MASSACHUSETTS 01701-9168, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015		
TITLE	AUDIO SYSTEM		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
29/501,559		05/09/2014	U.S.A.

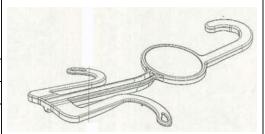


DESIGN NUMBER	271862	
CLASS	06-08	

#### 1)PHINEAS PRODUCTS LIMITED,

ADDRESS: AIRFIELD HOUSE, WESTERN DRIVE, HENGROVE, BRISTOL BS14 0AF, UNITED KINGDOM, NATIONALITY: A COMPANY INCORPORATED UNDER THE LAWS OF THE UNITED KINGDOM

DATE OF REGISTRATION 05/05/2015				
TITLE	SHOE HANGER			
PRIORITY				
PRIORITY NUMBER	DATE		COUNTRY	



002571570-0001	(	05/11/2014	ОНІМ
DESIGN NUMBER		271788	
CLASS		12-16	

### 1)AUDI AG, A JOINT STOCK COMPANY ESTABLISHED UNDER GERMAN LAW OF

AUTO-UNION-STR. 1, D-85045 INGOLSTADT, GERMANY

DATE OF REGISTRATION	29/04/2015
TITLE	WHEEL RIM FOR VEHICLES



PRIORITY NUMBER	DATE	COUNTRY
002575316-0003	10/11/2014	OHIM

DESIGN NUMBER	268978
CLASS	04-02
1)COLGATE-PALMOLIVE COMPANY, A DELAWARE CORPORATION,	

### 300 PARK AVENUE, NEW YORK, NEW YORK 10022, USA

DATE OF REGISTRATION	21/01/2015
TITLE	TOOTHBRUSH

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/498171	31/07/2014	U.S.A.



DESIGN NUMBER	269825
CLASS	06-11

1)M/S STINZO AUTOMOTIVES (P) LTD, (A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1956) HAVING ITS OFFICE AT KD-129, NEAR KOHAT METRO STATION, PITAM PURA, DELHI-110034, AN

DATE OF REGISTRATION	25/02/2015	
TITLE	FOOTMAT (SET)	

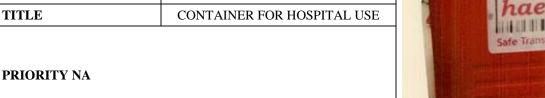


#### PRIORITY NA

INDIAN COMPANY

DESIGN NUMBER	269993	
CLASS	24-02	
1)GAUTAM RAVISHEKHAR WANKHEDE OF		
B-601, PLOT NO. 91, SECTOR-54, GURGAON-122002,		
HARYANA, INDIA, INDIAN NATIONAL OF ABOVE ADDRESS		

DATE OF 02/03/2015 REGISTRATION





DESIGN NUMBER	249182
CLASS	28-02

# 1)SH. SONAL JAIN (AN INDIAN NATIONAL) (PORPRIETOR) TRADING AS LITTLE PROFIT TRADING COMPANY,

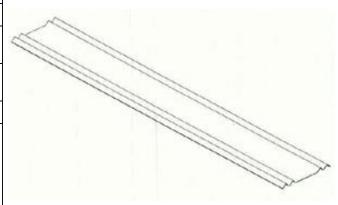
2804, 2ND FLOOR, MAIN QUTAB ROAD, SADAR BAZAR, DELHI-110006

DATE OF REGISTRATION	02/11/2012
TITLE	LIPSTICK CASE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	263026
<b>CLASS</b> 25-01	
1)ONDULINE, A FRENCH COMPANY, LOCATED 35 RUE BAUDIN, 92300 LEVALLOIS-PERRET, FRANCE	
DATE OF REGISTRATION	30/05/2014



#### PRIORITY NA

TITLE

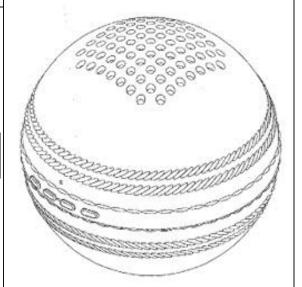
DESIGN NUMBER	271840
CLASS	14-01

**ROOFING PLATE** 

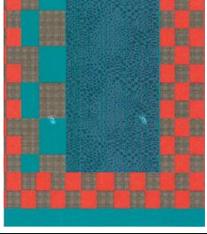
## 1)SHENZHEN JUNJIAHAO TECHNOLOGY CO., LTD.; A LIMITED LIABILITY COMPANY INCORPORATED UNDER THE LAWS OF CHINA,

1-2 FLOOR, BUILDING B, AREA A, TONGFUYU INDUSTRIAL PARK, HUAFAN ROAD, TONGSHENG COMMUNITY, DALANG SUBDISTRICT, LONGHUA TOWN, SHENZHEN, CHINA

DATE OF REGISTRATION	30/04/2015
TITLE	AUDIO APPARATUS



PRIORITY NUMBER	DATE	COUNTRY
201430529757.0	16/12/2014	CHINA



DESIGN NUMBER	270521	
CLASS	13-03	
LAWS OF UNITED KINGDOM HAV	LA PARK, 11 SPRING VILLA ROAD,	
DATE OF REGISTRATION	24/03/2015	
TITLE	ELECTRICAL ADAPTER	
PRIORITY NA		
DESIGN NUMBER	271881	
CLASS	07-04	
1)ASHOK JAIN (AN INDIAN NATIO OF 574/1, AGRAWAL COLONY, K	<b>ONAL),</b> .N.N. WARD, JABALPUR-482002, M.P. INDIA	
DATE OF REGISTRATION	05/05/2015	
TITLE	MIXER BLENDER	
PRIORITY NA		
DESIGN NUMBER	271809	
CLASS	26-01	
	IMITED, AN INDIAN COMPANY OF 43, MOORE STREET, CHENNAI 600001, INDIA	
DATE OF REGISTRATION	29/04/2015	
TITLE	TEA-LIGHT HOLDER	
PRIORITY NA		

DESIGN NUMBER	269365
CLASS	09-03

1)M. M. PLASTOWARE (INDIA) PVT. LTD, GALA NO. 10, BLDG NO. 2, PARAM INDUSTRIAL ESTATE, NAIKPADA, WALIV, VASAI (EAST) DIST: THANE:-401208, STATE OF MAHARASHTRA, INDIA,/

A PRIVATE LIMITED COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, ABOVE ADDRESS

DATE OF REGISTRATION	06/02/2015
TITLE	CONTAINER



#### PRIORITY NA

DESIGN NUMBER	268810
CLASS	23-01

1)M/S BLUE MOUNT APPLIANCES PVT. LTD., (A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956) HAVING ITS OFFICE AT

B-96, PUSHPANJALI ENCLAVE, PITAM PURA, OUTER RING ROAD, NEW DELHI-110034, AN INDIAN COMPANY

DATE OF REGISTRATION	12/01/2015
TITLE	WATER PURIFIER



#### PRIORITY NA

DESIGN NUMBER

DESIGN NUMBER	270101
CLASS	09-01
1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA	
DATE OF REGISTRATION 09/03/2015	
TITLE	BOTTLE



#### PRIORITY NA

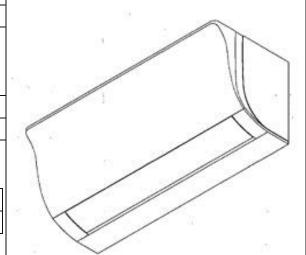
270181

DESIGN NUMBER	269004
CLASS	23-04

### 1)DAIKIN INDUSTRIES LTD. A JAPANESE COMPANY OF THE ADDRESS:

UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN

DATE OF REGISTRATION	21/01/2015
TITLE	AIR CONDITIONER



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2014-019835	08/09/2014	JAPAN

DESIGN NUMBER	269702
CLASS	26-02

#### 1)ASHOK RAMANLAL PANCHAL, HAVING OFFICE ADDRESS AT 241, BOMBAY TALKIES COMPOUND, SHREE RAM MARG, MALAD (W), MUMBAI-400064, MAHARASHTRA, INDIA, RESIDING AT

 $\rm D/11, SHALIMAR$ APT., NEXT TO H.D.F.C. BANK, MARVE ROAD, MALAD (W), MUMBAI-400064, MAHARASHTRA, INDIA, INDIAN NATIONAL

DATE OF REGISTRATION	20/02/2015
TITLE	OIL LAMP



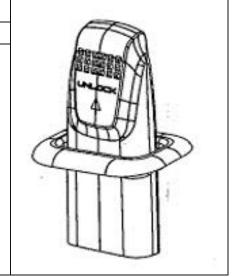
#### PRIORITY NA

DESIGN NUMBER	270008
CLASS	12-16

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	POP UP KNOB OF A VEHICLE



DESIGN NUMBER	272086
CLASS	07-01

## 1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

A-41, SECTOR-80, PHASE-II, NOIDA-201305, U.P. INDIA

DATE OF REGISTRATION	13/05/2015
TITLE	DISH



#### PRIORITY NA

DESIGN NUMBER	263889
CLASS	02-04

1)EUPHORIC INNOVATIONS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/313 H, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 36 (THIRTY SIX) YEARS

DATE OF REGISTRATION	04/07/2014
TITLE	FOOTWEAR



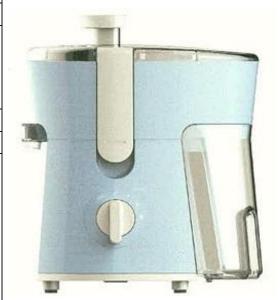
#### PRIORITY NA

DESIGN NUMBER	271620
CLASS	31-00

## 1)PREETHI KITCHEN APPLIANCES PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISIONS OF THE COMPANIES ACT, 1956,

OF TECHNOPOLIS KNOWLEDGE PARK, MAHAKALI CAVES ROAD, CHAKALA, ANDHERI-EAST, MUMBAI-400093, INDIA

DATE OF REGISTRATION	23/04/2015
TITLE	FOOD PROCESSOR



DESIGN NUMBER	269609
CLASS	09-01

1)M/S. GURUJI ENTERPRISES PVT. LTD. (A COMPANY DULY REGISTERED AND INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956) AN INDIAN NATIONAL,

514, HSIDC, KUNDLI, DISTT.-SONEPAT, HARYANA-131028

DATE OF REGISTRATION	13/02/2015
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	269803
CLASS	07-04
1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE	

LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION	24/02/2015
TITLE	JUICER
DDIODITV	



PRIORITY NUMBER	DATE	COUNTRY
29/501,681	08/09/2014	U.S.A.

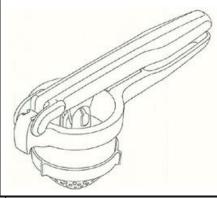
DESIGN NUMBER	269966
CLASS	24-02

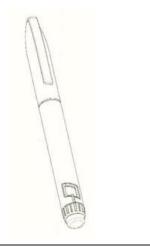
1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF

126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015
TITLE	MEDICAL INJECTOR DEVICE

PRIORITI		
PRIORITY NUMBER	DATE	COUNTRY
29/500640	27/08/2014	U.S.A.





DESIGN NUMBER	270540
CLASS	02-04

1)EUPHORIC INNOVATIONS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/313 H, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 37 (THIRTY SEVEN) YEARS

DATE OF REGISTRATION	24/03/2015
TITLE	SOLE OF FOOTWARE
DDIODITY NA	



#### PRIORITI NA

DESIGN NUMBER	272053
CLASS	07-99

#### 1)NAYASA WORLD

OF SURVEY NO. 655/IC NEAR SOMNANATH CO.OP.SOCIETY, DABHEL NANI DAMAN, DAMAN-396310, (UNION TERRITORIES) DAMAN, INDIA, INDIAN PARTNERSHIP FIRM, WHOSE PARTNERS ARE RUPA SACHDEV, MANASI SACHDEV & KISHOR MALIK, ALL INDIAN NATIONALS

DDIODIEN NA	
TITLE	TRAY
DATE OF REGISTRATION	12/05/2015



#### PRIORITY NA

DESIGN NUMBER	269607
CLASS	05-05

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	269964
CLASS	24-02

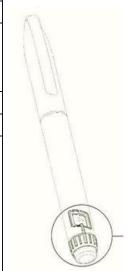
### 1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF

126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015
TITLE	MEDICAL INJECTOR DEVICE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/500648	27/08/2014	U.S.A.



<b>CLASS</b> 21-01	

#### 1) VARUN JAIN (INDIVIDUAL),

C-3/22, RAJASTHALI APARTMENTS, MADHUBAN CHOWK, PITAM PURA, DELHI-110034, AN INDIAN NATIONAL

DATE OF REGISTRATION	20/05/2015
TITLE	TOY CAR



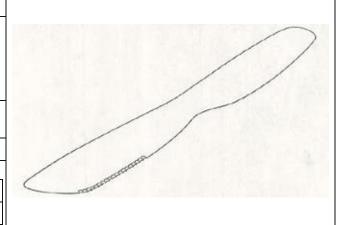
#### PRIORITY NA

DESIGN NUMBER	273847
CLASS	07-03

# 1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION		24/07/2	015
TITLE		SANDWICH S	PREADER
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
29/516,487		03/02/2015	U.S.A.

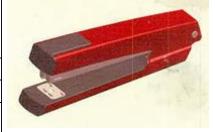


DESIGN NUMBER	269371
CLASS	19-02

1)KANIN (INDIA) AT B-XXX-6754, FOCAL POINT, LUDHIANA-141010, PUNJAB, INDIA, AN INDIAN PARTNERSHIP FIRM, WHOSE PARTNERS ARE ARIHANT JAIN, VISHWA JAIN, MS. NEELAM JAIN, AMBRISH JAIN, GAUTAM JAIN AND AMIT JAIN (ALL INDIAN NATIONALS) HAVING THEIR ADDRESS OF

B-XXX-6754, FOCAL POINT, LUDHIANA-141010, PUNJAB

DATE OF REGISTRATION 06/02		02/2015
TITLE	STAPLER	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
002606236	29/12/2014	OHIM



DESIGN NUMBER 268811
CLASS 23-01

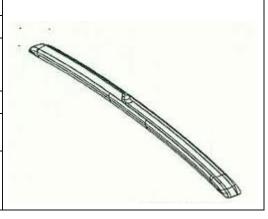
1)M/S BLUE MOUNT APPLIANCES PVT. LTD., (A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956) HAVING ITS OFFICE AT

B-96, PUSHPANJALI ENCLAVE, PITAM PURA, OUTER RING ROAD, NEW DELHI-110034, AN INDIAN COMPANY

DATE OF REGISTRATION	12/01/2015
TITLE	WATER PURIFIER



DESIGN NUMBER	270010	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION 02/03/2015		
TITLE	REAR DOOR ARM REST INSERT OF A VEHICLE	
PRIORITY NA		



DESIGN NUMBER	270182	
CLASS	09-01	
1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA		
DATE OF REGISTRATION 09/03/2015		
TITLE	BOTTLE	



#### PRIORITY NA

DESIGN NUMBER	270552	
CLASS	23-04	
1)SOHRAB SINGH OF		

B-321, HARI NAGAR (CLOCK TOWER) BEHIND NEW ERA SCHOOL, NEW DELHI-110064, INDIAN NATIONAL OF ABOVE ADDRESS

DATE	E OF REGISTRATION	25/03/2015	
TITLE		ALUMINIUM BLOWER FOR WINDOW AIR CONDITIONING EQUIPMENT	



#### PRIORITY NA

DESIGN NUMBER	263890	
CLASS	02-04	

1) VEEKESY ELASTOMERS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/330, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA,

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 36 (THIRTY SIX) YEARS

DATE OF REGISTRATION	04/07/2014	
TITLE	SOLE OF FOOTWARE	



DESIGN NUMBER	271626
CLASS	10-06

## 1)M/S GM MODULAR PVT. LTD., (A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT),

14/15, BOKADIA IND. ESTATE, SATIVALI ROAD, VASAI (EAST)-401208, DISTRICT-THANE, MAHARASHTRA (INDIA)

DATE OF REGISTRATION	23/04/2015	
TITLE	ELECTRIC BELL	



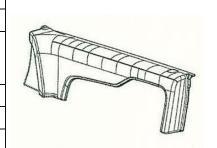
#### PRIORITY NA

DESIGN NUMBER	270013
CLASS	12-16
1) TATA MOTORGI BATTER AN INDIAN COMPANY OF	

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015	
TITLE	FRONT DOOR UPPER TRIM OF A VEHICLE	



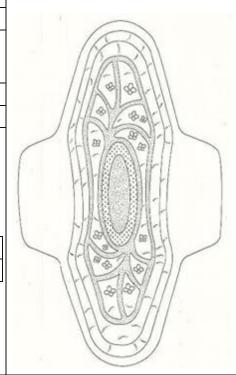
#### PRIORITY NA

DESIGN NUMBER	269059	
CLASS	24-04	

### 1)MCNEIL-PPC, INC., A CORPORATION OF THE STATE OF NEW JERSEY, OF

199 GRANDVIEW ROAD, SKILLMAN, NJ 08558, U.S.A.

DATE OF REGISTRATION	23/01/2015	
TITLE	SANITARY NAPKIN	



PRIORITY NUMBER	DATE	COUNTRY
29/497,535	25/07/2014	U.S.A.

DESIGN NUMBER	269521
CLASS	03-04

### 1)JATINDER SINGH KHURANA (INDIVIDUAL), S/O S. SAVINDER SINGH KHURANA,

R/O 4-1, DASONDA SINGH ROAD, LAWRENCE AVENUE, AMRITSAR-143001 (PUNJAB) INDIAN

DATE OF REGISTRATION	11/02/2015	
TITLE	PEDESTAL FAN BASE COVER	



#### PRIORITY NA

DESIGN NUMBER	264783
CLASS	06-08

### 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

DATE OF REGISTRATION	14/08/2014
TITLE	GARMENT HANGER

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
4034274	14/02/2014	U.K.

DESIGN NUMBER	264268
CLASS	23-04

1)ZECO AIRCON LTD., NATIONALITY INDIAN, WORKING AS A MANUFACTURING CONCERN WHOSE ADDRESS IS 2ND FLOOR, DDA SHOPPING COMPLEX, NEAR SINDHI SCHOOL, NEW RAJINDER NAGAR, NEW DELHI-110060 (INDIA)

DATE OF REGISTRATION	28/07/2014
TITLE	AIR CIRCULATING UNIT





DESIGN NUMBER	273997		
CLASS	09-01		
1)MR. GHISULAL D. RATHOD, MRATHOD, MR. GAURAV P. RATHOBABITA P. RATHOD, ALL INDIAN AND STYLE OF M/S. CELLO HOU REGISTERED UNDER THE PROVE HAVING OFFICE ADDRESS AT CORPORATE AVENUE, 'B' WIN	OD, MRS. SANGEETA NATIONALS TRAD SEHOLD PRODUCTS ISION OF INDIAN PA	A P. RATHOD AND MRS. ING UNDER THE NAME S, A PARTNERSHIP FIRM ARTNERSHIP ACT, 1932,	и
GOREGAON (EAST), MUMBAI-4000	063		
DATE OF REGISTRATION	29	9/07/2015	
TITLE	F	BOTTLE	
PRIORITY NA			
DESIGN NUMBER		269378	
CLASS		15-03	
TRANSFORMER CORPORATION, KAJICHO, CHIYODA-KU, TOKYO AND KURODA PNEUMATICS LT 289-2505, JAPAN, NATIONALITY: JA	<b>101-0044, JAPAN, N</b> АГД., 10243, KAMAKAZ	ATIONALITY: JAPAN	
DATE OF REGISTRATION	06/02/2015		
TITLE	EJECTOR VALVE FOR USE IN AN OPTICAL SORTING MACHINE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2014-017260	07/08/2014	JAPAN	
DESIGN NUMBER	27	70012	
CLASS	12-16		
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MOI 400001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	02/03/2015		
TITLE	FRONT DOOR TRIM INSERT OF A VEHICLE		
PRIORITY NA			

DESIGN NUMBER	270187	
CLASS	09-01	
1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA		
DATE OF REGISTRATION 09/03/2015		

DUAL CHAMBER BOTTLE



#### PRIORITY NA

TITLE

DESIGN NUMBER	269493
CLASS	23-03
1)RATATETECTDICALS LIMITED A COMPANY DECISTEDED IN INDIA	

### 1)BAJAJ ELECTRICALS LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT,

45/47, VEER NARIMAN ROAD, MUMBAI 400023, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS

DATE OF REGISTRATION	11/02/2015
TITLE	WATER HEATER



#### PRIORITY NA

DESIGN NUMBER	263894
CLASS	02-04

1)EUPHORIC INNOVATIONS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/313 H, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 36 (THIRTY SIX) YEARS

DATE OF REGISTRATION	04/07/2014	
TITLE	FOOTWEAR	
PRIORITY NA		



DESIGN NUMBER	264232
CLASS	24-01

#### 1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH,

KRISHI BHAVAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001, INDIAN

DATE OF REGISTRATION	25/07/2014
TITLE	FRACTURE FIXATION PLATE FOR ANIMALS



#### PRIORITY NA

DESIGN NUMBER	271632
CLASS	22-06

### 1)M/S GM MODULAR PVT. LTD., (A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT),

14/15, BOKADIA IND. ESTATE, SATIVALI ROAD, VASAI (EAST)-401208, DISTRICT-THANE, MAHARASHTRA (INDIA)

DATE OF REGISTRATION	23/04/2015
TITLE	MOSQUITO REPELLENT



DESIGN NUMBER	273970		
CLASS	23-01		
1)LUBRIZOL ADVANCED MATERIALS, INC., A DELAWARE CORPORATION OF 9919 BRECKSVILLE ROAD, CLEVELAND, OHIO 44141-3247, U.S.A.			
DATE OF	29/07/2015		

DATE OF REGISTRATION	29/07/2015	
TITLE	PIPE	
PRIORITY NA		



DESIGN NUMBER	269364
CLASS	02-02

1)M. M. PLASTOWARE (INDIA) PVT. LTD, GALA NO. 10, BLDG NO. 2, PARAM INDUSTRIAL ESTATE, NAIKPADA, WALIV, VASAI (EAST) DIST: THANE:-401208, STATE OF MAHARASHTRA, INDIA,/

A PRIVATE LIMITED COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, ABOVE ADDRESS

DATE OF REGISTRATION	06/02/2015
TITLE	STOOL



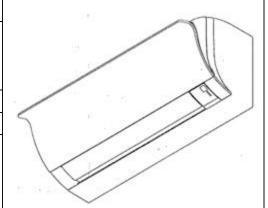
#### PRIORITY NA

DESIGN NUMBER	269003
CLASS	23-04

### 1)DAIKIN INDUSTRIES LTD. A JAPANESE COMPANY OF THE ADDRESS:

UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITAKU, OSAKA-SHI, OSAKA-FU, JAPAN

DATE OF REGISTRATION	21/01/2015		
TITLE	AIR CONDITIONER		
PRIORITY			
PRIORITY NUMBER	DATE		COUNTRY
2014-019840	08/09/2014		JAPAN



DESIGN NUMBER	269667
CLASS	03-99

#### 1)WE MADE ME LIMITED, A BRITISH COMPANY, OF

1 AMBER HOUSE, 22B ST JOHN'S ROAD, HOVE, EAST SUSSEX, BN3 2EZ, UNITED KINGDOM

DATE OF REGISTRATION	18/02/2015
TITLE	BABY SLING



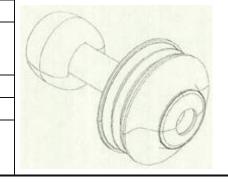
PRIORITY NUMBER	DATE	COUNTRY
002510123-0001	18/08/2014	OHIM

DESIGN NUMBER	270006
CLASS	24-01

### 1)SECRETARY, DEPARTMENT OF BIOTECHNOLOGY, MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA OF

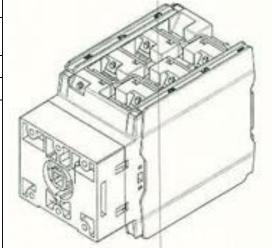
BLOCK 2, C.G.O. COMPLEX, LODHI ROAD, NEW DELHI-110003

DATE OF REGISTRATION	02/03/2015
TITLE	OSTOMY MANAGEMENT APPLIANCE



#### PRIORITY NA

DESIGN NUMBER	271443
CLASS	13-03
1)ABB OY, A COMPANY OF FINLAND OF STRÖMBERGINTIE 1, FI-00380 HELSINKI, FINLAND	
DATE OF REGISTRATION 16/04/2015	
TITLE	SWITCH



#### **PRIORITY**

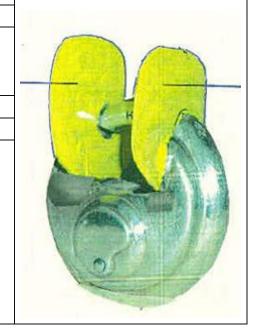
PRIORITY NUMBER	DATE	COUNTRY
002558247-0003	16/10/2014	OHIM

DESIGN NUMBER	271979
CLASS	08-07

### 1)NEETHALA MITTU, APPLICANT, AN INDIAN BY NATIONALITY RESIDING AT

39/1 MARIAPPA KONAR STREET, OPP TO ARASAN THEATRE, SHARADA MILL ROAD, PODANUR, COIMBATORE-641023, (TAMIL NADU) INDIA

DATE OF REGISTRATION	06/05/2015
TITLE	PADLOCK



DESIGN NUMBER	271842
CLASS	09-03

1)MR. GHISULAL D. RATHOD, MR. PRADEEP G. RATHOD, MR. PANKAJ G. RATHOD, MR. GAURAV P. RATHOD, MRS. SANGEETA P. RATHOD AND MRS. BABITA P. RATHOD, ALL INDIAN NATIONALS TRADING UNDER THE NAME AND STYLE OF M/S. CELLO HOUSEHOLD PRODUCTS, A PARTNERSHIP FIRM REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932, HAVING OFFICE ADDRESS

AT CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063

DATE OF REGISTRATION	30/04/2015
TITLE	CONTAINER



#### PRIORITY NA

DESIGN NUMBER	224645
CLASS	26-03
1)TRILOK CHAND & SONS PRIVATE LIMITED	

#### 1)TRILOK CHAND & SONS PRIVATE LIMITED

C 149, NARAINA VIHAR, NEW DELHI 110028, INDIA.

DATE OF REGISTRATION	09/09/2009
TITLE	LIGHTING FIXTURE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	268773
CLASS	09-03

### 1)M/S. NIF PVT. LTD. (DULY INCORPORATED AND REGISTERED UNDER THE INDIAN COMPANIES ACT. 1956.

119, 120, 121 (PART), BLOCK P & T, FAZAL GANJ, KALPI ROAD, KANPUR-208012, U.P.

DATE OF REGISTRATION	12/01/2015	
TITLE	PACKAGING	

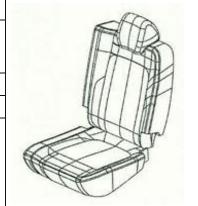


DESIGN NUMBER	270044
CLASS	06-01

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015	
TITLE	SEAT OF A VEHICLE	



#### PRIORITY NA

DESIGN NUMBER	270541
CLASS	02-04

1)EUPHORIC INNOVATIONS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/313 H, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABDUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 36 (THIRTY SIX) YEARS

DATE OF REGISTRATION	24/03/2015	
TITLE	SOLE OF FOOTWEAR	

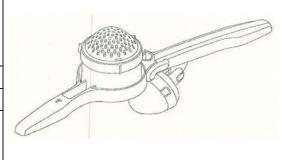


#### PRIORITY NA

DESIGN NUMBER	269804	
CLASS	07-04	
1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER		

1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT 14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION		24/02/2015	
TITLE		Jſ	JICER
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
29/501,681		08/09/2014	U.S.A.

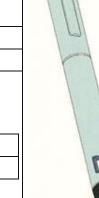


DESIGN NUMBER	269968
CLASS	24-02

### 1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF

126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015	
TITLE	MEDICAL INJECTOR DEVICE	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/500636	27/08/2014	U.S.A.

DESIGN NUMBER	224254
CLASS	26-03

#### 1)TRILOK CHAND & SONS PRIVATE LIMITED

C 149, NARAINA VIHAR, NEW DELHI 110028, INDIA.

DATE OF REGISTRATION	12/08/2009	
TITLE	FLOODLIGHT	



#### PRIORITY NA

<b>DESIGN NUMBER</b> 271908	
CLASS 06-11	
1)ENVEE & CO., AN INDIAN NATIONAL SOLE PROPRIETORSHIP FIRM WHOSE ADDRESS IS	
26/8, NAJAFGARH ROAD, INDUSTRIAL AREA, NEW DELHI-110015 (INDIA)	

DATE OF REGISTRATION	06/05/2015	
TITLE	CAR MAT	



DESIGN NUMBER	272056
CLASS	15-06

#### 1)PICANOL N.V.

OF STEVERLYNCKLAAN 15, 8900 IEPER BELGIUM, BELGIUN COMPANY

TITLE CONTROL PANEL FOR WEAVING MACHINES	DATE OF REGISTRATION	12/05/2015
MICHICE	TITLE	CONTROL PANEL FOR WEAVING MACHINES



#### **PRIORITY**

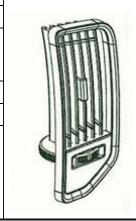
PRIORITY NUMBER	DATE	COUNTRY
002598870	16/12/2014	OHIM

	DESIGN NUMBER	270034
	CLASS	12-16
AND A DECEMBER OF THE PROPERTY		

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE SIDE AIR VENT OF A VEHIC	



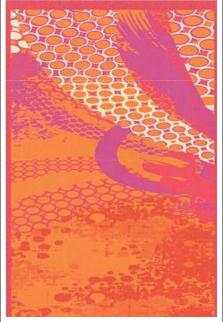
#### PRIORITY NA

DESIGN NUMBER 269604	
CLASS	05-05
1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED	

## 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015	
TITLE	TEXTILE FABRIC	



DESIGN NUMBER	2	70492	
CLASS		24-02	
1)KARL STORZ GMBH & CO. KG, A GERMAN COMPANY OF MITTELSTRASSE 8, D-78532 TUTTLINGEN, GERMANY			
DATE OF REGISTRATION 23/03/2015		(03/2015	
TITLE	UTERINE I	MANIPULATOR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002544015-0002	24/09/2014	OHIM	



DESIGN NUMBER	272038
CLASS	08-05

1)PROF. PRAKASH C. DHARA, DR. SOUDEEP KR. SAU & MS. PAYEL MAITY, DEPT. OF HUMAN PHYSIOLOGY WITH COMMUNITY HEALTH,

VIDYASAGAR UNIVERSITY, MIDNAPORE, WEST BENGAL, INDIA, INDIAN

DATE OF REGISTRATION	11/05/2015	
TITLE	BRICK DICE	
PRIORITY NA		

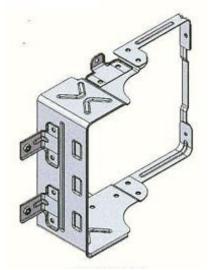


DESIGN NUMBER	270123	
CLASS	12-16	

### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	04/03/2015
TITLE	AIR DUCT FOR EXHAUST FAN IN VEHICLE



DESIGN NUMBER	269002
CLASS	23-04

### 1)DAIKIN INDUSTRIES LTD. A JAPANESE COMPANY OF THE ADDRESS:

UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN

DATE OF REGISTRATION	21/01/2015	
TITLE	AIR CONDITIONER	



11001011			
PRIORITY NUMBER	DATE	COUNTRY	
2014-019826	08/09/2014	JAPAN	

DESIGN NUMBER	269831	
CLASS	08-03	

1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS

HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION	25/02/2015	
TITLE	FABRIC SHAVER	



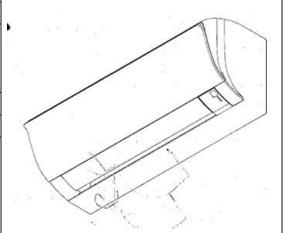
PRIORITY NUMBER	DATE	COUNTRY
002527390-0001	29/08/2014	OHIM

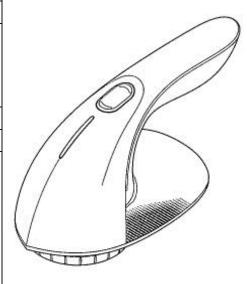
DESIGN NUMBER	271441	
CLASS	13-03	
1)ABB OY, A COMPANY OF FINLAND		

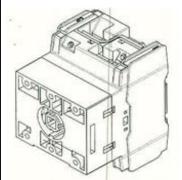
OF STRÖMBERGINTIE 1, FI-00380 HELSINKI, FINLAND

DATE OF REGISTRATION	16/04/2015	
TITLE	SWITCH	

INOMII			
PRIORITY NUMBER	DATE	COUNTRY	
002558247	16/10/2014	OHIM	







DESIGN NUMBER	271609
CLASS	08-03

#### 1)ALEXANDER BAGUMA BARAK, AN AUSTRALIAN NATIONAL, OF THE ADDRESS

7/196, KEPPEL STREET BATHURST NSW 2795, AUSTRALIA

DATE OF REGISTRATION	22/04/2015
TITLE	CUTTING TOOL



PRIORITY NUMBER	DATE	COUNTRY
15462/2014	29/10/2014	AUSTRALIA

DESIGN NUMBER	271841
CLASS	09-07

1)MR. GHISULAL D. RATHOD, MR. PRADEEP G. RATHOD, MR. PANKAJ G. RATHOD, MR. GAURAV P. RATHOD, MRS. SANGEETA P. RATHOD AND MRS. BABITA P. RATHOD, ALL INDIAN NATIONALS TRADING UNDER THE NAME AND STYLE OF M/S. CELLO HOUSEHOLD PRODUCTS, A PARTNERSHIP FIRM REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932, HAVING OFFICE ADDRESS

AT CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063

DATE OF REGISTRATION	30/04/2015
TITLE	CAP FOR BOTTLE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	224621
CLASS	08-06

#### 1)SANVAI ENTERPRISE

NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA, SOLVENT AREA, KOTHARIYA, RAJKOT, GUJRAT, INDIA,

DATE OF REGISTRATION	08/09/2009	
TITLE	CABINET HANDLE	

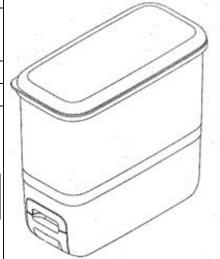


DESIGN NUMBER	269805
CLASS	07-02

## 1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION	24/02/2015
TITLE	RICE DISPENSER



#### **PRIORITY**

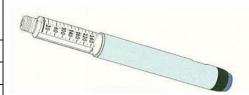
PRIORITY NUMBER	DATE	COUNTRY
29/501,928	10/09/2014	U.S.A.

DESIGN NUMBER	269969
CLASS	24-02

## 1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF

126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015		
TITLE	MEDICAL INJECTOR DEVICE		
PRIORITY			
PRIORITY NUMBER	Ι	DATE	COUNTRY
29/500636	2	27/08/2014	U.S.A.



DESIGN NUMBER	224272
CLASS	12-15

#### 1)SAWAN INDIA OVERSEAS

D-191, PHASE-VI, FOCAL POINT, LUDHIANA-141010 (PUNJAB), INDIA

DATE OF REGISTRATION	13/08/2009	
TITLE	BICYCLE & RICKSHAW TYRE	
PRIORITY NA		

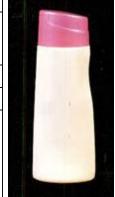


DESIGN NUMBER	272250
CLASS	09-01

#### 1)MUKESH KHANNA, WHOSE ADDRESS IS

PLOT NO. 45, POCKET H, SECTOR-5, BAWANA INDUSTRIAL AREA, DELHI-110039, INDIA AN INDIAN NATIONAL OF ABOVE ADDRESS

DATE OF REGISTRATION	20/05/2015	
TITLE	BOTTLE	



#### PRIORITY NA

29/507663

DESIGN NUMBER	271832	
CLASS	24-04	

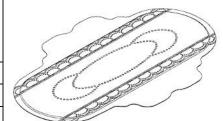
## 1)THE PROCTER & GAMBLE COMPANY, A BODY CORPORATE INCORPORATED UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS REGISTERED OFFICE AT

ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO - 45202, UNITED STATES OF AMERICA

DATE OF REGISTRATION	30/04/2015		
TITLE	SANITARY NAPKIN		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	

30/10/2014

U.S.A.

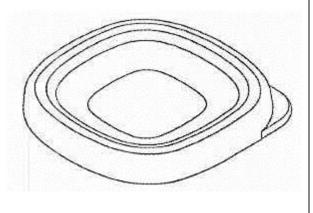


DESIGN NUMBER	268717
CLASS	07-02

## 1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

 $14901~\mathrm{S.}$ ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION	08/01/2015		
TITLE	STORAGE CONTAINER SEAL		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/496,897	18/07/2014	U.S.A.	



269219
15-99

#### 1)WAMGROUP S.P.A. OF

ITALY/41100 MODENA/STRADA DEGLI SCHIOCCHI, 12, ITALY;

NATIONALITY: ITALIAN

DATE OF REGISTRATION	30/01/2015		
TITLE	PRESSURE CONTROL VALVE		
PRIORITY			

PRIORITY NUMBER	DATE	COUNTRY
201430268939.7	01/08/2014	CHINA

DESIGN NUMBER	269606
CLASS	05-05



A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015			
TITLE	TEXTILE FABRIC			



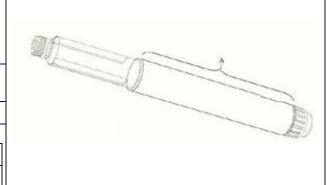
#### PRIORITY NA

DESIGN NUMBER	269963		
CLASS	24-02		

## 1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF

126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA

DATE OF REGISTRATION	27/02/2015			
TITLE		MEDICAL INJECTOR DEVICE		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
29/500644		27/08/2014	U.S.A.	



DESIGN NUMBER	272224		
CLASS	21-01		

#### 1) VARUN JAIN (INDIVIDUAL),

C-3/22, RAJASTHALI APARTMENTS, MADHUBAN CHOWK, PITAM PURA, DELHI-110034, AN INDIAN NATIONAL

DATE OF REGISTRATION	20/05/2015		
TITLE	TOY CAR		



#### PRIORITY NA

DESIGN NUMBER	271810		
CLASS	19-06		

#### 1)CARBORUNDUM UNIVERSAL LIMITED, AN INDIAN COMPANY

OF PARRY HOUSE, 6TH FLOOR, NO. 43, MOORE STREET, CHENNAI 600001, INDIA

DATE OF REGISTRATION	29/04/2015			
TITLE	PEN STAND			



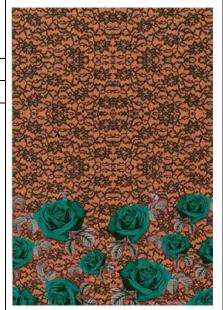
#### PRIORITY NA

DESIGN NUMBER	269608		
CLASS	05-05		

## 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	13/02/2015			
TITLE	TEXTILE FABRIC			

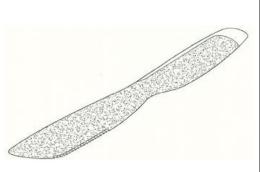


PESIGN NUMBER 270533					
CLASS	09-03				
1)PETROLIAM NASIONAL ORGANIZED AND EXISTING TOWER 1, PETRONAS TWI KUALA LUMPUR, MALAYSIA	UNDE N TOW	R THE MALAYSI	AN LAW, OF		
DATE OF REGISTRATION		24/03/2015			
TITLE		C	ONTAINER		
PRIORITY NUMBER 14-01575-0202		DATE 19/12/2014	COUNTRY MALAYSIA		
DESIGN NUMBER		269965			
CLASS		24-02			
1)MERCK SHARP & DOHME CORP., A CORPORATION OF NEW JERSEY, USA OF  126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY 07065-0907, UNITED STATES OF AMERICA					
DATE OF REGISTRATION	DATE OF REGISTRATION 27/02/2015				
TITLE	ITLE MEDICAL INJECTOR DEVICE				
PRIORITY					

UNITED STATES OF AMERICA				
27/02/2015				
MEDICAL INJECTOR DEVICE				
PRIORITY				
DATE	COUNTRY			
27/08/2014	U.S.A.			
	27/0 MEDICAL INJ DATE			

LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT 14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A  DATE OF REGISTRATION 24/07/2015	DESIGN NUMBER	273848	
LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT 14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A  DATE OF REGISTRATION 24/07/2015	CLASS	07-03	
	1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT 14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.		
TITLE SANDWICH SPREADER	DATE OF REGISTRATION 24/07/2015		
THE STATE WICH STATE AND IN	TITLE	SANDWICH SPREADER	

IIILE	SANDWI	LI SPREADER
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/516,487	03/02/2015	U.S.A.

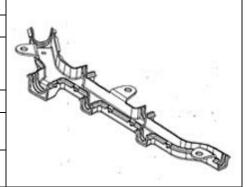


DESIGN NUMBER	270047	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF		
BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI		
400001, MAHARASHTRA, INDIA		

DATE OF REGISTRATION

02/03/2015

WIRING HARNESS FOR ENGINE HEAD OF A VEHICLE



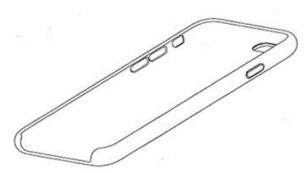
#### PRIORITY NA

DESIGN NUMBER	269620
CLASS	03-01
	_

#### 1)APPLE INC.,

1 INFINITE LOOP, CUPERTINO, CALIFORNIA 95014, UNITED STATES OF AMERICA, A CORPORATION INCORPORATED IN THE STATE OF CALIFORNIA

DATE OF REGISTRATION		13/02/2015	
TITLE	C	ASE FOR ELE	CTRONIC DEVICE
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
29/501,660		05/09/2014	U.S.A.

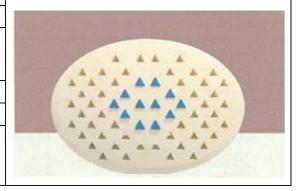


DESIGN NUMBER	269815
CLASS	28-02

#### 1)MR. G. SAMPATH KUMAR, AN INDIAN NATIONAL,

NO. 52, KANNAGI STREET, LIMAYALPURAM, CHROMEPET, CHENNAI, 600044, TAMIL NADU, INDIA

DATE OF REGISTRATION	24/02/2015
TITLE	SOAP



DESIGN NUMBER	271402
CLASS	12-16

#### 1)MANISH GRAPHICS,

B-30, DSIDC COMPLEX, TILAK VIHAR, TILAK NAGAR, NEW DELHI-110018, INDIA (AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- SH. MANISH AN INDIAN NATIONAL OF THE ABOVE ADDRESS

DATE OF REGISTRATION	15/04/2015
TITLE	PROTECTOR FRAME FOR NUMBER PLATE OF VEHICLES
DDIODITY NA	·



#### PRIORITY NA

DESIGN NUMBER	271910
CLASS	06-11

## 1)ENVEE & CO., AN INDIAN NATIONAL SOLE PROPRIETORSHIP FIRM WHOSE ADDRESS IS

26/8, NAJAFGARH ROAD, INDUSTRIAL AREA, NEW DELHI-110015 (INDIA) OF SHANKER LAL BHATIA, NATIONALITY INDIAN

DATE OF REGISTRATION	06/05/2015
TITLE	CAR MAT



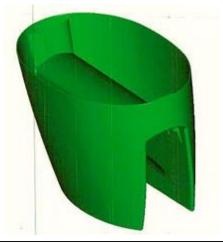
#### PRIORITY NA

DESIGN NUMBER	272268
CLASS	11-02

### 1)CHAMPAKSINH GAJRUBHAI RANA AN INDIAN NATIONAL AND HAVING ADDRESS AT

"VASTU'', 147, RAVI RESIDENCY, B/H. STERLING HOSPITAL, 150 FEET RING ROAD, RAJKOT (GUJARAT) INDIA

DATE OF REGISTRATION	21/05/2015	
TITLE	FLOWER POT	

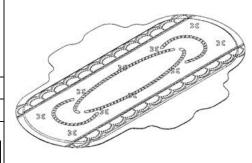


DESIGN NUMBER	271835
CLASS	24-04

1)THE PROCTER & GAMBLE COMPANY, A BODY CORPORATE INCORPORATED UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS REGISTERED OFFICE AT

ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO - 45202, UNITED STATES OF AMERICA

DATE OF REGISTRATION	30/04/2015		
TITLE	SANITARY NAPKIN		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/507663	30/10/2014	U.S.A.	



DESIGN NUMBER	242066	
CLASS	26-06	
1)HONDA MOTOR CO. LTD. 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN		

DATE OF REGISTRATION 04/01/2012

Diffe of Regionering	01/01/2012
TITLE	REAR COMBINATION LAMP FOR MOTORCYCLE

PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
2011-015881	11/07/2011	JAPAN



DESIGN NUMBER	270191	
CLASS	09-01	
AND AND GANGERAL AND DELLAND MAKE AND DEGREE		

1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA

DATE OF REGISTRATION	09/03/2015	
TITLE	DUAL CHAMBER BOTTLE	



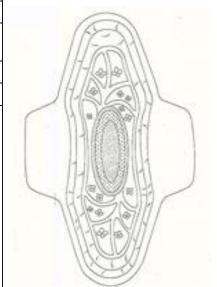
DESIGN NUMBER	269060	
CLASS	24-04	
1)MCNEIL-PPC, INC., A CORPORATION OF THE STATE OF NEW JERSEY, OF 199 GRANDVIEW ROAD, SKILLMAN, NJ 08558, U.S.A.		

199 GRANDVIEW ROAD, SKILLMAN, NJ 08558, U.S.A.		
DATE OF REGISTRATION 23/01/2015		

DATE OF REGISTRATION	23/01/2015	
TITLE	SANITARY NAPKIN	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/497,535	25/07/2014	U.S.A.



DESIGN NUMBER	269522
CLASS	03-04

## 1)JATINDER SINGH KHURANA (INDIVIDUAL), S/O S. SAVINDER SINGH KHURANA,

R/O 4-1, DASONDA SINGH ROAD, LAWRENCE AVENUE, AMRITSAR-143001 (PUNJAB) INDIAN

DATE OF REGISTRATION	11/02/2015
TITLE	PEDESTAL FAN BASE COVER



#### PRIORITY NA

DATE OF REGISTRATION

DESIGN NUMBER	264784
CLASS	06-08

## 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

TITLE	GARMI	ENT HANGER
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
4034275	14/02/2014	U.K.



14/08/2014

DESIGN NUMBER	274003	
CLASS	06-04	
1)GODREJ & BOYCE MFG. CO. LTD., AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913,		
OF CODDELINTEDIO DI ANTA DIDOISHANACED VIVUDOLI (WEST)		

OF GODREJ INTERIO, PLANT 4, PIROJSHANAGER, VIKHROLI (WEST), MUMBAI-400079, INDIA

DATE OF REGISTRATION	29/07/2015
TITLE	DRESSER



#### PRIORITY NA

DESIGN NUMBER	270246
CLASS	13-02
1)(I) DR. A. V. SATYANARAYANA (II) K. SIRAZ. SREE VIDYANIKETHAN	

1)(I) DR. A. V. SATYANARAYANA (II) K. SIRAZ, SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS),

A. RANGAMPET, TIRUPATHI-517102, A.P., INDIA

DATE OF REGISTRATION	10/03/2015
TITLE	AUGMENTED POWER GENERATOR



#### PRIORITY NA

DESIGN NUMBER	269587
CLASS	09-01

1)MR. GHISULAL RATHOD, MR. PRADEEP RATHOD, MR. PANKAJ RATHOD, MR. PANNALAL SHARMA, MR. JAYANTILAL JAIN, MRS. SANGEETA RATHOD AND MRS. BABITA RATHOD, ALL INDIAN NATIONALS TRADING UNDER THE NAME AND STYLE OF M/S. CELLO PLASTOTECH, A PARTNERSHIP FIRM REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932, HAVING OFFICE ADDRESS AT

CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

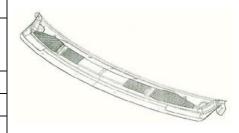
DATE OF REGISTRATION	13/02/2015
TITLE	FLASK



DESIGN NUMBER	269944
CLASS	12-16
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF	

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	27/02/2015
TITLE	HOOD COWL OF A VEHICLE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	271354
CLASS	26-03

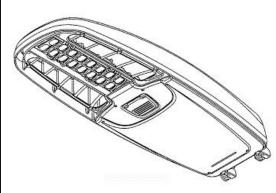
## 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT

EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION		13/0	4/2015
TITLE	I	LUMINAIRE FOR	R ROAD LIGHTING
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
002556563-0003		14/10/2014	OHIM

271864

06-08

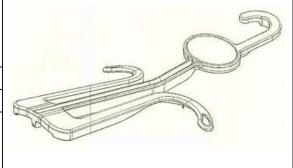


#### CLASS

**DESIGN NUMBER** 

# 1)PHINEAS PRODUCTS LIMITED, ADDRESS: AIRFIELD HOUSE, WESTERN DRIVE, HENGROVE, BRISTOL BS14 0AF, UNITED KINGDOM, NATIONALITY: A COMPANY INCORPORATED UNDER THE LAWS OF THE UNITED KINGDOM

DATE OF REGISTRATION05/05/2015TITLESHOE HANGERPRIORITYPRIORITY NUMBERDATECOUNTRY002571570-000305/11/2014OHIM



DESIGN NUMBER	272367
CLASS	06-04

1)SMT. PREETI CHHAJER W/O. SH. DIPIT CHHAJER (NATIONALITY-INDIAN) TRADING AS M/S. HOME SENSE INTERNATIONAL AN INDIAN FIRM HAVING ADDRESS

16 B, 3RD HEAVY INDUSTRIAL AREA, JODHPUR (RAJASTHAN) NATIONALITY-INDIAN

DATE OF REGISTRATION	26/05/2015
TITLE	STORAGE FURNITURE



#### PRIORITY NA

DESIGN NUMBER	271790
CLASS	12-16
1)AUDI AG, A JOINT STOCK COMPANY ESTABLISHED UNDER GERMAN LAW OF	
AUTO-UNION-STR 1 D-850	045 INGOLSTADT GERMANY

DATE OF REGISTRATION	29/04/2015
TITLE	WHEEL RIM FOR VEHICLES



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002575316-0005	10/11/2014	OHIM

DESIGN NUMBER	268812
CLASS	23-01

1)M/S BLUE MOUNT APPLIANCES PVT. LTD., (A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956) HAVING ITS OFFICE AT

B-96, PUSHPANJALI ENCLAVE, PITAM PURA, OUTER RING ROAD, NEW DELHI-110034, AN INDIAN COMPANY

DATE OF REGISTRATION	12/01/2015
TITLE	WATER PURIFIER

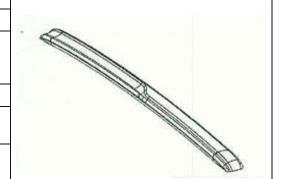


DESIGN NUMBER	270011
CLASS	12-16

#### 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	FRONT DOOR ARM REST INSERT OF A VEHICLE



#### PRIORITY NA

DESIGN NUMBER	270185
CLASS	09-01
1)PRAMIT SANGHAVI, AN INDIAN NATIONAL, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA	

DATE OF REGISTRATION	09/03/2015
TITLE	BOTTLE



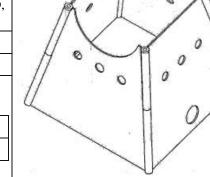
#### PRIORITY NA

DESIGN NUMBER	269491
CLASS	07-02

## 1)STANDARD BRANDS (UK) LIMITED, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED KINGDOM, HAVING PLACE OF BUSINESS AT

4, CLEEVE COURT, CLEEVE ROAD, LEATHERHEAD, SURREY, KT22 7SD, UNITED KINGDOM

DODE AD F COOVER CONTROL	DATE OF REGISTRATION	11/02/2015
TITLE PORTABLE COOKING STOVE	TITLE	PORTABLE COOKING STOVE



#### PRIORITY

11101111		
PRIORITY NUMBER	DATE	COUNTRY
001419428-0002	12/08/2014	OHIM
l -		

DESIGN NUMBER	269857
CLASS	08-06
1)ANKURBHAI B. BHUT AN INDIAN NATIONAL HAVING HIS PRINCIPAL	

### PLACE OF BUSINESS AT

SHRI HARI INDUSTRIAL AREA MAIN ROAD, OPP. STREET NO. 5, N. H. 8-B, AJI RING ROAD, RAJKOT, GUJARAT-INDIA

DATE OF REGISTRATION	25/02/2015
TITLE	HANDLE



#### PRIORITY NA

DESIGN NUMBER	263893
CLASS	02-04

1) VEEKESY ELASTOMERS PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING REGISTERED OFFICE AT DOOR NO. VII/330, NH 17, P.O. KOLATHARA, KOZHIKODE-673655, KERALA, INDIA,

REPRESENTED BY ITS DIRECTOR MR. VELUTHEDATH ABOUL RASHEED, INDIAN, S/O. MR. VELUTHEDATH KUNHALI, AGED 36 (THIRTY SIX) YEARS

DATE OF REGISTRATION	04/07/2014
TITLE	SOLE OF FOOTWEAR



DESIGN NUMBER	264231	
CLASS	24-01	
1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI BHAVAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001 INDIAN		
DATE OF REGISTRATION	25/07/2014	
TITLE	FRACTURE FIXATION NAIL FOR ANIMALS	
PRIORITY NA		



DESIGN NUMBER	271628	
CLASS	22-06	
INDIAN COMPANIES ACT),	, SATIVALI ROAD, VASAI (EAST)-401208, RA (INDIA)	
DATE OF REGISTRATION	23/04/2015	
TITLE	MOSQUITO REPELLENT DEVICE	
PRIORITY NA		
DESIGN NUMBER	270033	
CLASS	12-16	
1)TATA MOTORS LIMITED, A BOMBAY HOUSE, 24 HOMI M 400001, MAHARASHTRA, INDIA	N INDIAN COMPANY OF ODY STREET, HUTATMA CHOWK, MUMBA	
DATE OF REGISTRATION	02/03/2015	
TITLE	STEERING COLUMN COVER OF A VEHI	CLE
PRIORITY NA		
DESIGN NUMBER	269603	
CLASS	05-05	
REGISTERED UNDER THE PRO HAVING ITS REGISTERED OFF	PRINTS PVT. LTD. A COMPANY VISION OF COMPANIES ACT, 1956 ICE AT PANDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION	13/02/2015	
TITLE	TEXTILE FABRIC	
PRIORITY NA		

DESIGN NUMBER	270643
CLASS	07-01

#### 1)MARCO POLO S.R.L.

AN ITALIEN CORPORATION OF THE ADDRESS: VIA C., MARX, 8, 06011 CITTA DI XASTELLO (PG), ITALY

DATE OF REGISTRATION	26/03/2015
TITLE	CAKE STAND



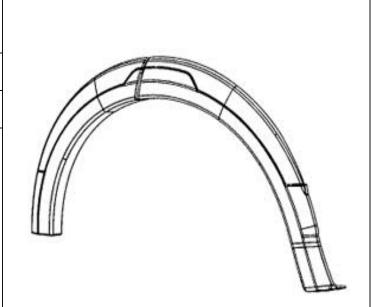
#### PRIORITY NA

07 100	DESIGN NUMBER	269952
CLASS 12-16	CLASS	12-16

## 1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF

BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	27/02/2015
TITLE	REAR WHEEL ARCH CLADDING OF A VEHICLE



#### PRIORITY NA

DESIGN NUMBER	270491
CLASS	24-02

#### 1)KARL STORZ GMBH & CO. KG,

A GERMAN COMPANY OF MITTELSTRASSE 8, D-78532 TUTTLINGEN, GERMANY

DATE OF REGISTRATION	23/03/2015
TITLE	UTERINE MANIPULATOR

#### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
002544015-0001	24/09/2014	OHIM

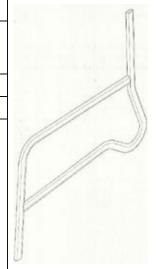


DESIGN NUMBER	271359
CLASS	12-12

#### 1)KARMA MEDICAL PRODUCTS CO., LTD.,

OF NO. 2363, SEC. 2, DASYUE RD., MINSYONG TOWNSHIP, CHIAYI COUNTY, TAIWAN-621, A TAIWAN COMPANY

DATE OF REGISTRATION	13/04/2015
TITLE	WHEELCHAIR SIDE FRAME



#### PRIORITY NA

DESIGN NUMBER 273053	
<b>CLASS</b> 12-08	

#### 1)TOYOTA JIDOSHA KABUSHIKI KAISHA, A JAPANESE CO., OF

1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571, JAPAN

DATE OF REGISTRATION	24/06/2015
TITLE	CAR
DDIODIEN	

PRIORITY	
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PRIORITY NUMBER	DATE	COUNTRY
201510148	14/01/2015	AUSTRALIA



DESIGN NUMBER	272036
CLASS	12-16

1)BHIKHABHAI MANEKBHAI PATEL, AN INDIAN NATIONAL SOLE PROPRIETOR OF VISHWARAJ RUBBER INDUSTRIES AN INDIAN PROPRIETORSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:-

23-C, MELDI INDUSTRIAL ESTATE, NEAR WEST COST PHARMACEUTICAL WORKS LTD., GOTA, AHMEDABAD-382481, GUJARAT-INDIA

DATE OF REGISTRATION	11/05/2015
TITLE	SUSPENSOR FOR VEHICLES



DESIGN NUMBER	271802
CLASS	07-07

1)MR. GHISULAL RATHOD, MR. PRADEEP RATHOD, MR. PANKAJ RATHOD, MR. PANNALAL SHARMA, MR. JAYANTILAL JAIN, MRS. SANGEETA RATHOD AND MRS. BABITA RATHOD, ALL INDIAN NATIONALS TRADING UNDER THE NAME AND STYLE OF M/S. CELLO PLASTOTECH, A PARTNERSHIP FIRM REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932, HAVING OFFICE ADDRESS

AT 5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	29/04/2015
TITLE	BUCKET



#### PRIORITY NA

DESIGN NUMBER	268695
CLASS	07-02

### 1)GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE, ADDRESS AT

1ST FLOOR, ENERGY BUILDING, PANDIT DEENDAYAL PETROLEUM UNIVERSITY, RAISAN VILLAGE, GANDHINAGAR 382007, GUJARAT, INDIA

DATE OF REGISTRATION	08/01/2015
TITLE	PRESSURE COOKER



#### PRIORITY NA

DESIGN NUMBER	269894
CLASS	12-16

### 1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913 WHOSE ADDRESS IS

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/02/2015
TITLE	YOKE FOR CRANE

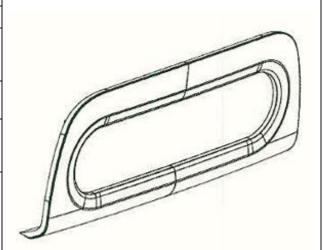


DESIGN NUMBER		264788	
CLASS		06-08	*
1)MAINETTI (UK) LIMITED, A OF ANNFIELD ESTATE, OXNAM I SCOTLAND, TD8 6NN, UNITED KI	ROAD, JEDBURGH, RO		
DATE OF REGISTRATION	1.	4/08/2014	
TITLE	GARM	ENT HANGER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
4034279	14/02/2014	U.K.	
DESIGN NUMBER		263527	
CLASS		07-01	
1)HOT STUFFS PVT LTD (AN II COMPANIES ACT 1956) WHOSE 238, 3-C RAHUL MITTAL ESTA MUMBAI 400059	OFFICE IS AT		
DATE OF REGISTRATION	1	9/06/2014	
TITLE		MUG	
PRIORITY NA			
DESIGN NUMBER		271763	
CLASS		15-07	Estate AN
1)GODREJ & BOYCE MFG. CO INCORPORATED UNDER THE C OF GODREJ APPLIANCE, PLAI MUMBAI-400079, INDIA	OMPÁNIES ACT, 1913	3,	
DATE OF REGISTRATION	28/04/2015		/ )//
TITLE	REFI	RIGERATOR	N/ V
PRIORITY NA			

DESIGN NUMBER	270015
CLASS	12-16
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF	

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	02/03/2015
TITLE	HVAC (HEATING VENTILATION AIR CONDITIONING) CONTROL COVER OF A VEHICLE



#### PRIORITY NA

DESIGN NUMBER	270194
CLASS	15-05

## 1)PRADEEPKUMAR NANDLAL DHOOT, INDIAN NATIONAL OF GANGAPURWALA,

2275 ADAT BAZAR, AHMEDNAGAR-414001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	09/03/2015
TITLE	WASHING MACHINE



#### PRIORITY NA

DESIGN NUMBER	269061
CLASS	24-04
1)MCNEIL-PPC, INC., A CORPORATION OF THE STATE OF NEW JERSEY, OF	

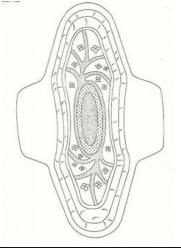
199 GRANDVIEW ROAD, SKILLMAN, NJ 08558, U.S.A. **DATE OF REGISTRATION**23/01/2015

(
1

#### **PRIORITY**

TITLE

PRIORITY NUMBER	DATE	COUNTRY
29/497, 535	25/07/2014	U.S.A.



SANITARY NAPKIN

DESIGN NUMBER	271191
CLASS	12-11

#### 1)DECATHLON,

4, BOULEVARD DE MONS, 59650 VILLENEUVE D'ASCQ, FRANCE, A COMPANY OF FRANCE

	DATE OF REGISTRATION	07/04/2015
TITLE TRICYCLE FOR KIDS	TITLE	TRICYCLE FOR KIDS

#### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
002552984-0004	08/10/2014	OHIM

CLASS	06-08	3
DESIGN NUMBER	26478	5
002552984-0004	08/10/2014	OHIM
PRIORITY NUMBER	DATE	COUNTRY

#### 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF

ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM

DATE OF REGISTRATION	14/08/	2014
TITLE	GARMENT	HANGER
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
4034276	14/02/2014	U.K.

DESIGN NUMBER	272334
CLASS	13-03

#### 1)BHAGYA LAXMI INDUSTRIES, INDIAN PROPRIETORSHIP FIRM HAVING PRINCIPAL PLACE OF BUSINESS AT

PLOT NO. 71, BALAJI INDUSTRIAL AREA, MANDA DUNGAR, BHAVNAGAR ROAD, RAJKOT, GUJARAT, INDIA AND HAVING PROPRIETOR SMT. GAURIBEN JIVRAJBHAI PATEL, RESIDING AT OM, SHIVRANJANI PARK, B/H. RANCHHODDAS ASHRAM, KUVADVA ROAD, RAJKOT, INDIAN NATIONALS

DATE OF REGISTRATION	25/05/2015
TITLE	MODULAR BOX FOR ELECTRIC PURPOSE
PRIORITY NA	





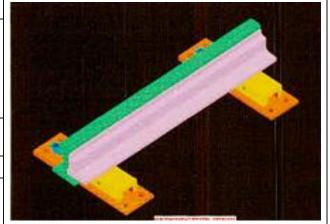


DESIGN NUMBER	257811
CLASS	12-03

1)GANPATI-RV-TALLERES ALEGRIA TRACK PRIVATE LIMITED, A COMPANY INCORPORATED UNDER THE PROVISION OF COMPANY'S ACT, 1956 HAVING ITS REGISTERED OFFICE AT

2, HARE STREET, "NICCO HOUSE", 3RD FLOOR, KOLKATA, WEST BENGAL-700001, INDIA

DATE OF REGISTRATION	28/10/2013	
TITLE	RAILWAY TRACK	



#### PRIORITY NA

DESIGN NUMBER	274006
CLASS	06-04
1)GODREJ & BOYCE MFG. CO. LTD., AN INDIAN COMPANY	

INCORPORATED UNDER THE COMPANIES ACT, 1913,

OF GODREJ INTERIO, PLANT 4, PIROJSHANAGER, VIKHROLI (WEST), MUMBAI-400079, INDIA

DATE OF REGISTRATION	29/07/2015
TITLE	WARDROBE

