# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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

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

5<sup>th</sup> FEBRUARY, 2016

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# THE PATENT OFFICE KOLKATA, 05/02/2016

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	E-mail: <u>cgpdtm@nic.in</u>		E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a> The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.
2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai − 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in  The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091  Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in
3	The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 2808 1921 – 25 Fax: (91)(11) 2808 1920 & 2808 1940 E.mail: delhi-patent@nic.in The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.		* Rest of India

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

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

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## पेटेंट कार्यालय

## कोलकाता, दिनांक 05/02/2016

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	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत,		एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी
	फोन: (91) (22) 24123311		चेन्नई - 600 032.
	फ़ैक्स: (91) (22) 24123322		फोन: (91)(44) 2250 2081-84
	ई. मेल: cgpdtm@nic.in		फ़ैक्स: (91)(44) 2250-2066
			ई. मेल: chennai-patent@nic.in
			💠 आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा
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	बौद्धिक संपदा भवन,		कोलकाता, (प्रधान कार्यालय)
	एंटोप हिल डाकघर के समीप,		बौद्धिक संपदा भवन,
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
	फोन: (91) (22) 24137701		कोलकाता-700 091, भारत.
	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
	<ul> <li>• गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा</li> </ul>		ई. मेल: kolkata-patent@nic.in
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	तथा दीव, दादर और नगर हवेली.		<ul> <li>भारत का अवशेष क्षेत्र</li> </ul>
3	पेटेंट कार्यालय, भारत सरकार		
	बौद्धिक संपदा भवन,		
	प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.		
	फोन: (91)(11) 2808 1921-25		
	फ़ैक्स: (91)(11) 2808 1920, 2808 1940		
	ई. मेल: delhi-patent@nic.in		
	हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,		
	पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य		
	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

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#### www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

## **SPECIAL NOTICE**

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

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

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.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 18<sup>th</sup> months, grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

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

## **SPECIAL NOTICE**

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

## **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.201621001652 A

(19) INDIA

(22) Date of filing of Application :18/01/2016 (43) Publication Date : 05/02/2016

## (54) Title of the invention : SMART SIDE STAND AND PADDLE LIFTING WITH SECURITY FROM POWER CONNECTION FOR MOTORCYLE

(51) International classification	:B62K 11/14, B62K	
	11/00	Address of Applicant :BHIMMAI NIVAS, S. NO35/3, SHIVTEJ COLONY, CHINCHWADE NAGAR, CHINCHWAD,
(31) Priority Document No	:NA	PUNE-411033, MAHARASHTRA, INDIA. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MR. SURAJ CHILWANT
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present subject matter discloses a system for smart side stand and paddle lifting with security from power connection. The system comprises a movable side stand and paddle and an actuators attached to the said side stand and paddle. The actuators operates to rotate the side stand and paddle between an up position and a down position. The actuators are actuated by a manually operated switches mounted on a handlebar of a motorcycle. The present subject discloses a system for smart side stand and paddle lifting with security from power connection, the system comprises a ignition circuit or connection break down keeps engine off until the side stand is at the up position. It is a very advance technique for the motorcycle and a automation for the motorcycle for lifting and operating the side stand and paddles using the actuators.

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

(21) Application No.201621001654 A

(19) INDIA

(22) Date of filing of Application :18/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A NOVEL SYNERGISTIC GUM BASED CHEWING GUM FORMULATION AND METHOD OF PREPARATION

(51) International classification	:A23G4/02, A23G4/06, A23G4/00	(71)Name of Applicant: 1)SHRI J.M.JOSHI Address of Applicant: JMJ HOUSE, ORCHARD AVENUE,
(31) Priority Document No	:NA	HIRANANDANI, POWAI, MUMBAI-400076,
(32) Priority Date	:NA	MAHARASHTRA, INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SHRI J.M.JOSHI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 41		·

#### (57) Abstract:

The present invention provides a novel synergistic nutraceutical gum based chewing cum formulation for usage as nicotine resistance therapy and method of preparation thereof, said formulation comprises of sterilized dried parts, powder/extracts together with the conventional additives to form the oral intake forms, which include tablets, capsules, syrup and powders ready for suspension and mouth spray. The formulation contains of Food Rubber, PIB; Talk Powder, Easter Gum, PVA, Micro Pala, Soya Oil, Triacetive, GMS,BHA, Maltitol Syrup, Sorbitol, glycerin, Mannitol, aspartame, Xylitol, Flavour, Kattaha, Tamrind Seed, Nicotine Polacrilax products.

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

(22) Date of filing of Application :19/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A NOVEL METHOD FOR EARLY DIAGNOSIS OF ALZHEIMER DISEASE USING ELECTROENCEPHALOGRAM SIGNALS.

		(71)Name of Applicant:
(51) International classification	:A61B5/00,	1)VINAYAK KACHARDAS BAIRAGI,
(31) International classification	A61B5/0476	Address of Applicant : 'SHIVALIK', 14/3/8 HINGNE
(31) Priority Document No	:NA	KHURD, MAHADEVNAGAR, NEAR SAMARTHNAGAR
(32) Priority Date	:NA	BUS STOP, PUNE-411051, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	2)ARATI JEEVAN VYAVAHARE
Filing Date	:NA	3)NILESH NEELKANTH KULKARNI
(87) International Publication No	: NA	4)SACHIN MAROTRAO ELGANDELWAR
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NILESH NEELKANTH KULKARNI
(62) Divisional to Application Number	:NA	2)ARATI JEEVAN VYAVAHARE
Filing Date	:NA	3)VINAYAK KACHARDAS BAIRAGI
		4)SACHIN MAROTRAO ELGANDELWAR

#### (57) Abstract:

A method for identifying the memory deficiency i.e. Alzheimer disease is presented. In this work, an electroencephalogram signal is taken from the scalp of human brain & it is analyzed by means of different signal processing tools. In present work, EEG signals from various electrodes are obtained, filtered by preamplifier circuit & are then are fed to Analog to digital converter for digitization. The signals are then given as an input to microcomputer for analysis. The microcomputer performs the analysis of signals & expected result is displayed through display unit. The same system is also interfaced with Computer & printing unit to print the obtained results. In this work, different features of EEG signals comprising of both Normal & Alzheimer affected patient are calculated. It is observed that EEG signal of Alzheimer patients is less complex as compared to that of the Normal patients. In present work, different complexity measures such as Spectral Entropy, Spectral Centroid, Spectral Energy & Zero Crossing Rate are used as different features to verify whether these features plays a significant role in differentiating between AD affected & Normal subjects. The classification in the above method is done by use of K Nearest neighbor method to classify the data between the two groups.

No. of Pages: 11 No. of Claims: 9

(22) Date of filing of Application :23/09/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MICRO-TRENCH BASED BIOCHIP DEVICE FOR SCREENING OF INFECTIOUS DISEASES USING METAL NANO PARTICLES / NANO COATING

		(71) Nome of Ameliant.
		(71)Name of Applicant: 1)Department of Atomic Energy
(51) International classification	:A61B 8/14	, ,
(31) Priority Document No	:NA	2)MGM Institute of Health Sciences
(32) Priority Date	:NA	3)Birla Institute of Technology and Science, Pilani
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SURI, V. K.
Filing Date	:NA	2)R. Balasubramaniam
(87) International Publication No	: NA	3)MISHRA, Shivam
(61) Patent of Addition to Application Number	:NA	4)GHILDIYAL, Shrinkhla
Filing Date	:NA	5)JOSHI, D. S.
(62) Divisional to Application Number	:NA	6)THAKUR, Mansee
Filing Date	:NA	7)PAI, Girish
		8)BHAND, Sunil
		9)PAL, Souvik

#### (57) Abstract:

The present disclosure relates to a medical micro-trench based diagnostic device and method for screening of infectious disease causing pathogens using DNA hybridization of the disease causing pathogen. In an aspect, the device includes a chip having a substrate that is configured with a plurality of micro trenches that are configured to facilitate hybridization of a target nucleic acid of a disease causing pathogen, and an oligonucleotide that bears signature of the target nucleic acid of a disease causing pathogen, wherein the plurality of micro trenches are configured with micro metal coating and the oligonucleotide is coupled to the micro metal coating to prevent diffusion and spreading of the oligonucleotides from the confined space of the plurality of micro trenches and to facilitate entrapment of high concentration of the oligonucleotide in the trench to increase the hybridization with target nucleic acid.

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

(22) Date of filing of Application :07/11/2015

(43) Publication Date: 05/02/2016

(54) Title of the invention: INNOVATIVE SPACE FOR SPORTS ACTIVITIES IN MINIMUM COST FOR CHILDREN, TO IMPROVE THEIR HEALTH AND TO PROVIDE SPACE FOR SENIOR CITIZEN, TO PLAY INDOOR GAMES ADJACENT TO 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>(36) International Application No.</li> </ul>	24/00 :NA :NA :NA	(71)Name of Applicant:  1)Dr. Sanjay Bapurao Awhale Address of Applicant: House no 971, Shriraj Hospital, Hanuman Housing Society, Rupeenagar, Talwade, Pune – 412114, Maharashtra, India; an Indian National Maharashtra India
(86) International Application No Filing Date	:NA :NA	2)Sanket Sanjay Awhale 3)Sneha Nagarkar
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Dr. Sanjay Bapurao Awhale
Filing Date	:NA	2)Sanket Sanjay Awhale
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: According to this invention there is provided small space for sports and health home chain comprising of: f) Smaller dimension room about 100 square feet and above. g) Terrace secured with about 10 feet and above height pipe and net as indoor cum outdoor room. h) Parking space to use for the conventional sports. i) Sports which are played are: badminton, boxing, table tennis, cricket, basket ball etc. j) These games are played in the room in prescribed location. The room of 100 square feet as said is utilized for playing games which bring sweat and are a great exercise for children. As playgrounds are reducing day by day, it has become a need for having nano sports activities which can satisfy the daily requirement of exercise for kids. In this invention there is provided a parapet on the terrace area. There is given an extra height on parapet and a strong net for security of the kids. The overall height of net is 14 feet, in which 5 feet= parapet + strong net. Ideal age group of kids who can play games is 3-5.5 years. In a home space of 10\*10 sqft a nano sports center is setup in which the space above the bed wall and empty space in front of bed is utilized for playing games. A multipurpose foldable table of size 2\*4 feet, height till waist of a kid for throwing balls and play like a table tennis is provided which when not in use can be folded and kept below the bed. There is provided empty space in front of the bed approximately 3\*6 feet, to stand/move. The space above the bed wall is utilized to play target for toy gun and toy archery, basket ball net, squash wall practice by table tennis ball and toy table tennis racket (size 3\*3 feet), a toy boxing kit etc. This invention also gives the facility of playing indoor games to senior citizens in the open spaces available and simultaneously keeping watch on the kids. Preferably these sports room will be available at a close distance.

No. of Pages: 11 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4358/MUM/2015 A

(19) INDIA

(22) Date of filing of Application: 19/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: APPARATUS OF IDENTIFYING SYNTHETIC DIAMONDS.

(51) Intermedicus la la saification	:G01N	(71)Name of Applicant:
(51) International classification	21/31	1)SHAILESH DAYALBHAI GOTI
(31) Priority Document No	:NA	Address of Applicant :56, NARAYAN MUNI NAGAR
(32) Priority Date	:NA	SOCIETY, NANI VED, VED ROAD, SURAT-395 004,
(33) Name of priority country	:NA	GUJARAT, INDIA. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHAILESH DAYALBHAI GOTI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is an apparatus for identifying synthetic diamonds, the apparatus comprising: a platform for accommodating diamonds to be identified; a source of light being configured to emit a beam of monochromatic laser radiation of predetermined wavelength and irradiate the diamonds with the monochromatic laser radiation of predetermined wavelength; a filter being configured to pass only scattered Raman radiation of frequency characteristics of the diamonds out of the ration emitted by the diamonds, the filter being placed at right angle to the scattered beam of radiation; a photocell device to detect and receive the scattered Raman radiation passed by the filter, the photocell device being configured to generate photo luminescence signal for the diamond on the basis of received scattered Raman radiation; and a processing unit being operatively connected to the photocell device and configured to: receive the photo luminescence signal, generate different patterns of growth and/or illumination for diamonds based on the photo luminescence signal, compare generated patterns with predefined patterns of diamonds; and identify whether diamond is synthetic or not based on the results of comparison. Also disclosed is a method for identifying synthetic diamonds using the apparatus as defined above.

No. of Pages: 15 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4365/MUM/2015 A

(19) INDIA

(22) Date of filing of Application: 19/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: HERBAL COCKROACH GEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B65F 1/14 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CHAUDHARI BIPIN PANDHARINATH Address of Applicant: AT- Shirdale Post- Dhamani Tal- Ambegaon Dist- Pune Pin- 410508 Maharashtra India 2)Sneha Nagarkar (72)Name of Inventor: 1)CHAUDHARI BIPIN PANDHARINATH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: According to the present invention, there is provided an herbal cockroach gel which is useful for killing the cockroach and ant and to protect things from them. This gel is a domestic paste. The cockroach gel paste is prepare by using raw goods per percentage of weight of product. Its content are 900 gram to 1000 gram of wheat flour, borax glycerin I p 66 available in 0.02 % to 0.009 %, we can use 4 to 5 % camphor in it. Chocofoam used, for cockroach like lure which is present in the gel 2 grams to 6 grams per amount of product. We can increase or decrease the amount of content in small amount which will not affect the product. Comprising all the content as mentioned, this herbal product is prepared; finally shake this liquid properly containing all the raw goods. After shaking this liquid, it is put in a cool dry place for 2 hours for dissolution of all raw goods. Further, this liquid mixture is stored in package for converting this liquid medicine into semisolid material. It takes 24 to 36 hours for this process. The results provide a palatable diet. Mostly Chocó forms cockroach bait and stick effective to lay thin moisture by both compare. This effect is to maintain the stability of the paste. It is profitable for B.G, IP66 paste dink. Preferably the cockroach herbal gel is useful on cockroach and ants only.

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

(22) Date of filing of Application :08/07/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : GRAPHITE TYPE CARBON MATERIAL USED AS GRAPHENE PRECURSOR AND METHOD FOR PRODUCING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:C01B31/02,C01B31/04 :PCT/JP2014/073838 :09/09/2014 :Japan :PCT/JP2015/055977 :27/02/2015 :WO 2016/002254 :NA :NA	(71)Name of Applicant:  1)GRAPHENE PLATFORM CORPORATION Address of Applicant: 1 15 1 Ebisu Minami Shibuya ku Tokyo 1500022 Japan (72)Name of Inventor: 1)HASEGAWA Shoji 2)KAMIYA Nagisa
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a graphite type carbon material that is used as a graphene precursor easily delaminated into graphene when used as a precursor. The graphite type carbon material used as a graphene precursor has a proportional rate (3R) defined by formula 1 below by means of an X ray diffraction method of at least 31%: Rate  $(3R) = P3/(P3+P4)\tilde{A}-100~\hat{a}$  (formula 1). Here P3 is the peak value in the (101) plane according to an X ray diffraction method of a rhombohedral graphite layer (3R) and P4 is the peak value in the (101) plane according to an X ray diffraction method of a hexagonal graphite layer (2H).

No. of Pages: 73 No. of Claims: 8

(22) Date of filing of Application :28/12/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: "TAMPER PROOF SECURITY SEAL"

(51) International classification	·G07D11/00	(71)Name of Applicant:
• /		
(31) Priority Document No	:NA	1)SUNILBHAI TRIKAMLAL PANCHAL
(32) Priority Date	:NA	Address of Applicant :SHREEJI INDUSTRIES 23,
(33) Name of priority country	:NA	MADHURAM COMPLEX, SUBHASHBRIDGE,
(86) International Application No	:NA	AHMEDABAD 380 027 GUJARAT Gujarat India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUNILBHAI TRIKAMLAL PANCHAL
(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 an improved security seal and in particular, this invention relates to an improved security seal having a nano text coding with penta lock. Furthermore, this invention also relates to a improved security seal which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

No. of Pages: 19 No. of Claims: 14

(22) Date of filing of Application :28/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYNTHESIS OF EMOTIONAL SPEECH BY EXTRACTING AND MODIFYING PITCH AND LPC OF NEUTRAL SPEECH

(51) International classification	:G06F 17/20	(71)Name of Applicant : 1)Shaila Dinkar Apte
(31) Priority Document No	:NA	Address of Applicant :C-302, Magnolia Apartments, Pashan-
(32) Priority Date	:NA	Baner Link Road, Pashan, Pune 21, Maharashtra, India
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Shaila Dinkar Apte
(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 modification factors are evaluated for pitch contour. The mapping equation from pitch contour of neutral speech to pitch contour of emotional speech is evaluated. The modification factors for second, third and fourth LPCs for each pitch synchronous segment are evaluated. After modifying and mapping the pitch contour and LPCs of each pitch synchronous neutral segment by the factor identified, emotional speech is synthesized using LPC synthesizer. The subjective listening test confirms the success of emotional speech synthesis.

No. of Pages: 7 No. of Claims: 9

(22) Date of filing of Application :29/05/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : NANOFILTRATION MEMBRANES WITH SURFACE NEGATIVE CHARGE FOR FRACTIONAL SEPARATION OF MONO AND MULTIVALENT IONIC SPECIES

(51) International alocalification	:B01D	(71)Name of Applicant :
(51) International classification	69/10	1)SECRETARY, DEPARTMENT OF ATOMIC ENERGY
(31) Priority Document No	:NA	Address of Applicant : Anushakthi Bhavan, Chatrapathi Shivaji
(32) Priority Date	:NA	Maharaj Marg, Mumbai 400 001, State of Maharashtra, India
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEY, T. K.
(87) International Publication No	: NA	2)PAL, Avishek
(61) Patent of Addition to Application Number	:NA	3)BINDAL, R. C.
Filing Date	:NA	4)TEWARI, P.K.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A thin film composite nanofiltration (TFC-NF) membrane bearing high density of negative charge derived through in-situ interfacial polymerization comprising at least one bifunctional diaryl diamine monomer/monomers and an acid chloride monomer and a micro porous base membrane, wherein said at least one of the bifunctional amine monomers further contains two sulfonic acid groups (-SO3H); and the said acid chloride is a polyfunctional organic acid chloride. Also provided are methods for preparing the TFC-NF membranes in accordance with the present invention.

No. of Pages: 57 No. of Claims: 45

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MULTI POINT POWER STORAGE SYSTEM FOR PV POWER GENERATOR AND METHOD FOR MAXIMUM POWER EXTRACTION

	·G05D	(71)Name of Applicant:
(51) International classification	7/06	1)GURUCHARAN SINGH THAKUR
(31) Priority Document No	:NA	Address of Applicant :Varsha Electronics, Ward No.7, NH 12
(32) Priority Date	:NA	A, Block Colony, Bhua Bichhiya, Dist. Mandla Madhya Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GURUCHARAN SINGH THAKUR
(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:

Low voltage level MULTI POINT POWER STORAGE (MPPS) and high voltage level inverter power extraction system proposed to reduce the PV output power fluctuations, which in turn will reduce the frequency deviations of the power system introduced by large penetration of PV power.

No. of Pages: 17 No. of Claims: 7

(22) Date of filing of Application :27/11/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: MICROCAPSULE AND PROCESS 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 Number</li> </ul>	1/18 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHANWAR PRAKASH ANNA Address of Applicant: G-12 UNIVERSITY TEACHERS QUARTRES, VIDYANAGARI, KALINA, SANTACRUZ EAST, MUMBAI-400098. Maharashtra India 2)SAWANT MANOHAR RAMCHANDRA (72)Name of Inventor: 1)MAHANWAR PRAKASH ANNA 2)SAWANT MANOHAR RAMCHANDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a microencapsulated product enclosing active compound or compounds and a method of microencapsulation for production thereof. More specifically, the present invention relates to a microencapsulated product of a active compound or compounds having encapsulation layers, and a process for production thereof. The microencapsulated product or microencapsule of present invention provides optimized delivery of active compound or compounds based on uniform layer/s. Another objective of present invention is to provide microencapsulated product or microencapsule in perfume, an antibacterial agent or a product that can be an anti-cellulite treatment, insecticide, color pigments, vitamins, antibacterial agents or phase change materials can be used as active compounds.

No. of Pages: 33 No. of Claims: 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2829/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: STABILIZED INJECTABLE EMULSION OF PROPOFOL AND KETAMINE

:A61K 9/00	(71)Name of Applicant: 1)NEON LABORATORIES LIMITED
:NA	Address of Applicant :Damji Shamji Industrial Complex,
:NA	Mahakali Caves Road, Andheri (East), Mumbai - 400093,
:NA	Maharashtra, India. Maharashtra India
:NA	(72)Name of Inventor:
:NA	1)JOSHI, Neeta
: NA	2)KAHANE, Mangesh
:NA	
:NA	
:NA	
:NA	
	9/00 :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

Disclosed herein is stable injectable emulsion of Propofol and Ketamine in combination; a base to adjust the pH and purified Lecithin.

No. of Pages: 15 No. of Claims: 9

(22) Date of filing of Application :08/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: IMPROVED STONE STRAINER AND COLLECTOR FOR AGRICULTURAL PURPOSES

(51) International classification	:A01C 3/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Harshad Tanaji Magar
(32) Priority Date	:NA	Address of Applicant :Shrigurukrupa sujaynagar-9 near police
(33) Name of priority country	:NA	colony Akluj, Tal: Malshiras, Dist: solapur. Pin: 413101
(86) International Application No	:PCT//	Maharashtra India
Filing Date	:01/01/1900	2)Sagar Tanaji Londhe
(87) International Publication No	: NA	3)Sneha Nagarkar
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Harshad Tanaji Magar
(62) Divisional to Application Number	:NA	2)Sagar Tanaji Londhe
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: During cultivation in the farm even after ploughing too there remain a lot of unwanted stones which create hindrances in agriculture processes. For removing these stones from the field, lot of time and manpower is wasted. To overcome this problem, an improved stone strainer and collector is designed. The improved stone strainer and collector provided comprises of a slant metal sheet which is pivoted deep in to the soil and the mixture of the soil and stones is transferred into the strainer. The stone strainer oscillates continuously and separates the stones from the soil. The soil falls down in the farm. The stone strainer is designed in tapered structure so as to facilitate the collection of the stones automatically in the collector without any external force. The stone collector collects the stones which remain unstrained by the stone strainer. This collector can be detachable. Mechanical linkages are used to support the strainer for bearing the load as well as oscillation. This is the basic assembly, which is used to remove the unwanted stones from the farm and help proper cultivation of crops in the farm.

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

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "SLEEK AND FLEXIBLE LANE DIVIDER FOR VEHICULAR & HUMAN TRAFFIC MANAGEMENT".

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B65B 25/14 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)JAYESH J BHAYANI  Address of Applicant:603, SHREE MANEK CHS, NEAR DAHANUKARWADI BRIDGE, JEEVANVIDYA MISSION MARG, KANDIVALI (WEST), MUMBAI-400 067, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:  1)JAYESH J BHAYANI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)RUTUJ J BHAYANI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An economical, portable, sleek, handy and flexible lane divider for smooth flow of road traffic occupying little space in narrow lanes & busy traffic junctions. It also helps maintaining pedestrian movements by installation of signs on road, narrow footpath, malls,, rallies, exhibitions, concerts, etc.

No. of Pages: 6 No. of Claims: 7

(22) Date of filing of Application :04/12/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: A SYSTEM FOR TRACKING PURCHASED PRODUCT AND SERVICES

(51) International classification	:G06Q50/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MR.RISHIKESH HASABNIS
(32) Priority Date	:NA	Address of Applicant :PLOT-33 SUJATA,MORYA KRIPA
(33) Name of priority country	:NA	SOCIETY,KARVE NAGAR, PUNE-
(86) International Application No	:NA	411052,MAHARASHTRA,INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR.RISHIKESH HASABNIS
(61) Patent of Addition to Application Number	:NA	2)MR.MAKRAND HARDAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a solution envisioned through this embodiment is to provide a system for recording and tracking any purchased product or service. It also provides a widespread smart internet based platform for registering purchased products or services electronically and maintaining a track of all the relevant documents such as their bills, warranty and guarantee particulars. Thus, according to the present inventioriTthe system includes a single integral platform, which is easy to access as well as reliable for consumers and original equipment manufacturer (OEM"s) along with various product dealers and distributors. The system further provides a seamless connectivity between consumers and service providers through a single integral portal accessible through various android and iOS based apps available on devices such as mobiles, tablets, laptops etc. Further, the system includes a universal ID for each user through which they can view purchased records or register new purchases in their registered product/service portfolio.

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

(21) Application No.4585/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :04/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : NOVEL BLEND OF EDIBLE OILS TO REGULATE HYPERTENSION, HYPER CHOLESTEROLEMIA AND HYPER GLYCEMIA

4 6 1 77	(71)37 0 4 31 4
	(71)Name of Applicant:
	1)ADANI WILMAR LIMITED
:NA	Address of Applicant :Fortune House, Nr. Navrangpura
:NA	Railway Crossing Ahmedabad Gujarat India
:NA	(72)Name of Inventor:
:NA	1)CHATTERJEE, Biprabuddha
:NA	_
: NA	
:NA	
:NA	
:NA	
:NA	
	33/00 :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention relates to composition which is a novel blend of antioxidants rich edible vegetable oils to regulate hypertension, lipids and hyperglycemia in human by substituting or replacing conventional dietary fats. More particularly it relates to a novel blend of sesame oil and rice bran oil for regulating hypertension, hyper cholesterolemia and hyper glycemia and a process of preparation thereof.

No. of Pages: 58 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2641/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# $(54) \ Title \ of the \ invention: HYPERBARIC \ SOLUTION \ INJECTION \ OF \ LEVOBUPIVACAINE \ HYDROCHLORIDE \ COMPRISING \ LEVOBUPIVACAINE \ HYDROCHLORIDE$

(51) International classification		(71)Name of Applicant:
()	211/60	-/
(31) Priority Document No	:NA	Address of Applicant :Damji Shamji Industrial Complex,
(32) Priority Date	:NA	Mahakali Caves Road, Andheri (East), Mumbai - 400093,
(33) Name of priority country	:NA	Maharashtra, India. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOSHI, Neeta
(87) International Publication No	: NA	2)NARKHEDE, Rahul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein is Hyperbaric solution for injection of Levobupivacaine Hydrochloride which comprises Levobupivacaine Hydrochloride; base/acid to adjust the pH and baricity adjuster to modify Baricity of the solution injection.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4625/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :08/12/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: AN ADJUSTABLE STEERING RATIO GEARBOX

<ul> <li>(51) International classification</li> <li>(31) 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>	:B60F 5/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)MISHRA DEVANJAN Address of Applicant:121, VICEROY PARK, E-8 EXTENSION GULMOHAR, BHOPAL, 462039 Madhya Pradesh India (72)Name of Inventor: 1)MISHRA DEVANJAN
(87) International Publication No	: NA	2)Dr. WARUDKAR VILAS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided an adjustable steering ratio gearbox provided with at least two gear ratio settings consisting of one relatively higher steering ratio and one relatively lower steering ratio. The gearbox comprises at least a primary shaft comprising at least two gears, at least a secondary shaft, at least an output shaft, at least a catcher element, at least a set of gears comprising at least six gears configured to transmit torque from one pre-defined shaft to another.

No. of Pages: 30 No. of Claims: 32

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: FAULT TOLERANT FULL BRIDGE DC-DC CONVERTER FOR PHOTOVOLTAIC SYSTEM

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date :NA Filing Date :NA (63) Patent of Addition to Application Number Filing Date :NA (64) Patent of Application Number Filing Date :NA (65) Divisional to Application Number Filing Date :NA	(71)Name of Applicant:  1)MR. CHAVAN SHAMKUMAR BHIMRAO Address of Applicant: AT-KANDALGAON, POST- R.K.NAGAR, TAL-KARVEER, DIST-KOLHAPUR, STATE- MAHARASHTRA, PIN-416013 INDIA. Maharashtra India 2)MR. CHAVAN MAHESHKUMAR SHRIKANT (72)Name of Inventor: 1)MR. CHAVAN SHAMKUMAR BHIMRAO 2)MR. CHAVAN MAHESHKUMAR SHRIKANT
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(57) Abstract:

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

(22) Date of filing of Application :18/07/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: STABLE LIQUID INJECTABLE SOLUTION OF MIDAZOLAM AND PENTAZOCINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(26) International Application No.</li> </ul>	:A61K 31/7105 :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)Nome of Inventor:
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT// :01/01/1900 : NA :NA :NA :NA :NA	(72)Name of Inventor: 1)JOSHI, Neeta 2)SEVANKAR, Shailesh

#### (57) Abstract:

The invention discloses compositions of clear injectable solution which comprises Midazolam, pentazocine, tonicity agent, chelating agent, and acids to adjust pH.

No. of Pages: 10 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201621000636 A

(19) INDIA

(22) Date of filing of Application :07/01/2016 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: AN IMPROVED INHALER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61M 15/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)RAVAL BHUPENDRA KANTILAL Address of Applicant: Anand Nagar, Block No.22, Flat No. 262, 2nd Floor, Opp. Nilkanth Cinema, Rajkot-02. Gujarat India (72)Name of Inventor:  1)RAVAL BHUPENDRA KANTILAL
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to the an improved inhaler. The present invention comprises of First assembly (FA); Second assembly (SA); Third assembly (TA) and a mouthpiece cap (MC). Said First Assembly (FA) is attached with said Second Assembly (SA) by fixing said Second Assembly in the passage (P) area of said First Assembly (FA) through said Third Assembly. The present invention delivers exact dosage of medicine without the wastage of medicine and eliminates the risk of hurting the throat region of the infected person during intake of medicine. Fig. 2A

No. of Pages: 32 No. of Claims: 7

(22) Date of filing of Application :08/01/2016 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: DISHWASHER DEVICE WITH DUAL WASHING MODE

(51) International classification		(71)Name of Applicant:
` '	49/04	1)MR. RANVEER PATIL
(31) Priority Document No	:NA	Address of Applicant :HOUSE NO.693, SIDDHANERLI 1ST
(32) Priority Date	:NA	FATA, SIDDHANERLI, TALUKA-KAGAL, DISTRICT
(33) Name of priority country	:NA	KOLHAPUR-416232, MAHARASHTRA, INDIA. Maharashtra
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. RANVEER PATIL
(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 dishwasher device, used in particular for plates and bowls, containing washing zones comprised of a pre-wash zone, wash zone, rinse zone and a concave dishes washing zone. The device consists of a filtration and recycling tank as well as a waste collection tank with a strainer for collecting solid waste particles. The dishwasher device provides users with dual modes to wash dishes with flat surfaces as well as concave surfaces. Further, the concave surfaced dish wash contains an added provision to select a normal wash or an intense wash if the surface is greasy.

No. of Pages: 22 No. of Claims: 7

(22) Date of filing of Application :08/01/2016

(43) Publication Date: 05/02/2016

# (54) Title of the invention : A FREEZE DRIED PARENTERAL COMPOSITION OF TIGECYCLIN AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:C07C231/21	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GUFIC BIOSCIENCES LIMITED
(32) Priority Date	:NA	Address of Applicant :N.H.No.8, Near Grid, Kabilpore 396
(33) Name of priority country	:NA	424, Navsari, Gujarat India. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PATEL, Mitesh Natavarlal
(87) International Publication No	: NA	2)DAVE, Mafatlal Tribhovandas
(61) Patent of Addition to Application Number	:NA	3)CHOKSI, Pranavkumar Jayesh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

"A Freeze Dried Parenteral Composition of Tigecycline and Process for Preparation Thereof〠• Abstract: A stable, freeze dried pharmaceutical composition comprising Tigecycline along with sulfobutyl ether betacyclodextrin sodium as stabilizing agent for parenteral administration. The pharmaceutical composition provides stabilization of Tigecycline thereby improving the shelf life during storage. The invention further discloses a process of preparation of said composition.

No. of Pages: 17 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3996/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :22/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: VACANCY INDICATING CHAIR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G09F 3/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)Niraj Ashok Paspule Address of Applicant: C-3,Model Colony Telephone Exchange premise quarters, Lakaki Road, Shivajinagar,Pune- 411016 Maharashtra India 2)Roopa Ashok Paspule 3)Sneha Nagarkar
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Niraj Ashok Paspule
Filing Date	:NA	2)Roopa Ashok Paspule
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT Vacancy indicating chair comprises a system which: 1. Indicates vacant position of chair. This helps to know if the chair is vacant, in a crowd or in a big ceremony. 2. To indicate its vacant position, LED light is used which requires very low power consumption. 3. Whenever chair is occupied LED light switches off. This is achieved with help of two types of sensors used in chair independently. In method an obstacle detecting sensor is used which detects the obstacle, gives triggers which switches off the vacancy indicating LED light. In second method light detecting sensors are used, in which when the chair is occupied, the sitting person covers light detecting sensor and hence LED light indicating vacant position switches off by sensor operation. A small switch arrangement is used to turn off the front LED light. Thus, this feature enhances customer delight, as well as it helps to know the chair/seat is vacant. This is the main objective of the invention. This feature of LED lights switching on/off is used in counter which is fitted at the entrance at suitable position. This helps to know exact occupied number of seats. Also use of different colors of LED light in the front as well as back of the seat helps to segregate class like VIP/first class etc.

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

(21) Application No.4823/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :23/12/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: A LIQUID COLOSTRUM COMPOSITION AND METHOD OF MAKING SAME

(51) International classification	:A61K 9/127	(71)Name of Applicant: 1)DR.VIVEK WAYSE
(31) Priority Document No	:NA	Address of Applicant :RASIK BUNGALOW,AMBIKA
(32) Priority Date	:NA	NAGAR,RING
(33) Name of priority country	:NA	ROAD,BARAMATI,413102,PUNE,MAHARASHTRA,INDIA.
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR.VIVEK WAYSE
(61) Patent of Addition to Application Number	:NA	2)MRS.SWATI WAYSE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

The present invention relates to a processing method to manufacture colostrum liquid from the bovine colostrum. Further, it relates to utilization of colostrum powder in making a liquid colostrum composition. Further, it relates to the liquid colostrum composition, which includes colostrum milk powder, instant skim milk powder, sugar, pectin, lactic acid, citric acid, sodium citrate, potassium sorbate, and water. This composition is prepared in multiple flavors such as peach and strawberry flavor.

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

(22) Date of filing of Application :23/12/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: ONE STEP RAPID SNAKE ENVENOMATION DETECTION AND DIFFERENTIATION KIT

(51) International classification	:A61K 36/9066	(71)Name of Applicant: 1)MS.MEDHA SONAVANE
(31) Priority Document No	:NA	Address of Applicant :FLAT NO. B/406,REKHI SAI
(32) Priority Date	:NA	DAFFODILS,SECTOR-19, KHARGHAR,NAVI MUMBAI-
(33) Name of priority country	:NA	410210,MAHARASHTRA,INDIA Maharashtra India
(86) International Application No	:NA	2)MR.AMIT RAJAS
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MS.MEDHA SONAVANE
(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 rapid detection kit for determining the presence of venom toxin in the blood sample in one minute using an improvised lateral flow immunoassay. Further, it helps to differentiate the venom toxin as neurotoxin and hemotoxin. The components of the lateral flow immunoassay in the present invention are arranged in a defined manner to obtain the detection result in less time, like one minute.

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

(22) Date of filing of Application :22/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A SYSTEM TO GENERATE ELECTRICITY FROM WIND TO SUPPLY AC VOLTAGE TO SLEEPER COACHES OF RAILWAY TRAIN TO OPERATE FANS AND LIGHTS

(51) International classification	·H0213/38	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Rishabh Singh
(32) Priority Date	:NA	Address of Applicant :In front of Vijay Pathak's house
(33) Name of priority country	:NA	patwa gali,kankali para, Purani basti, Raipur, Chhattisgarh
(86) International Application No	:NA	492001, India Chattisgarh India
Filing Date	:NA	2)Vaibhav Kinhekar
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Rishabh Singh
Filing Date	:NA	2)Vaibhav Kinhekar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a system to generate electricity from wind to supply dc voltage to sleeper coaches of Railway train to operate fans and lights. The system consists of a fan rotating around a rotor and fixed outside the sleeper coach of a train to be driven by wind to produce dc voltage. The rotor is connected to a shaft spinning in a copper wounded core when a magnet is being fixed on the shaft for spinning along with it generating dc voltage. An inverter is disposed inside the sleeper coach to convert dc voltage to ac voltage a transformer is disposed inside the inverter to step up the voltage when a bridge rectifier disposed in between the battery and inverter rectifies ac voltage to dc. A battery rectifier is disposed in the system to accumulate the power from the inverter and to discharge the same as output to operate the lights and fans of the sleeper coach.

No. of Pages: 13 No. of Claims: 3

(21) Application No.4692/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR PRODUCING ENERGY IN THE FORM OF BIOGAS, AND/ OR ELECTRICITY AND FERTILIZER FROM SINGLE BIOMASS SOURCE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C02F 11/04 :NA :NA :NA	(71)Name of Applicant:  1)Kirloskar Integrated Technologies Private Limited Address of Applicant: 3/A, Karve road, Kothrud, Pune- 411038, Maharashtra, India. Maharashtra India (72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)Mate Nitant Vishnu 2)Ganu Shirish Madhav
(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:

Discloses is a system and method for producing energy in the form of biogas, and/or electricity and fertilizer from a single biomass source. The system provides a complete end-to-end solution for biomass handling, sizing, mixing, blending, anaerobically fermenting, extracting, and converting to value added products and the like. The system offers biogas production, electricity generation and/or enriched biogas production, utilization of the generated heat to stabilize the digestion process, organic fertilizer and utilizing the fertilizer produced to increase the land fertility and also for culturing aquatic life, thereby reducing salinity of the soil. Figure 1

No. of Pages: 17 No. of Claims: 7

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR EXTRACTING DIGESTATE FROM ENERGY GENERATING PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F01K 3/12 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)Kirloskar Integrated Technologies Private Limited Address of Applicant: 3/A, Karve road, Kothrud, Pune- 411038, Maharashtra, India. Maharashtra India</li> <li>(72)Name of Inventor:</li> <li>1)Mate Nitant Vishnu</li> </ul>
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	2)Ganu Shirish Madhav 3)Khaladkar Omkar Ashok 4)Mohan Jagannath Bhide

#### (57) Abstract:

A system (100) and a method for extracting digestate from an energy generating plant are disclosed. The system (100) comprises a bioreactor (10), at least one jet distributor (20), at least one pump (30), at least one motor (40) and at least one motorized valve (50). The system (100) is designed to effectively perform the extraction of solids fibrous, material and / or agro residues / product after its digestion from the bioreactor (10) when the total solids in the material to be extracted are ranging from 8 to 25 per cent and beyond with optimum power / energy consumption. The bioreactor (10) has no moving parts inside. The system (100) is easily accessible and maintained without compromising the anaerobic operating conditions inside the bioreactor (10). Figure 1

No. of Pages: 16 No. of Claims: 6

(21) Application No.4694/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :15/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FEEDING AND DISTRIBUTION SYSTEM FOR ENERGY GENERATING PLANT

FOAD	
	(71)Name of Applicant:
	1)Kirloskar Integrated Technologies Private Limited
:NA	Address of Applicant :3/A, Karve road, Kothrud, Pune-
:NA	411038, Maharashtra, India. Maharashtra India
:NA	(72)Name of Inventor:
:NA	1)Mate Nitant Vishnu
:NA	2)Ganu Shirish Madhav
: NA	3)Mohan Jagannath Bhide
:NA	
:NA	
:NA	
:NA	
_	13/12 :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

Disclosed is a feeding and distribution system (100) for energy generating plant to ensure uniform distribution a biomass substrate inside a bioreactor (110) of the energy generating plant for optimum biogas generation from fibrous, high solid, non-viscous material as the biomass substrate. The system (100) comprises of an inlet pipe (10), a pump (20), a piping (30), a feed distributor (40), a plurality number of transfer pipes (50). The system (100) transfers and equally distributes the biomass substrate up to solid content of 8 to 25 percent and beyond, as long as the biomass substrate is pump-able inside the bioreactor (110). The system (100) prevents piling up of the biomass substrate inside the bioreactor (110), thereby ensuring optimum biogas generation. The system (100) is easily maintained and repaired. Figure 1

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

(22) Date of filing of Application :29/09/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ENCODING PERCEPTUALLY QUANTIZED VIDEO CONTENT IN MULTI LAYER VDR CODING

(51) International classification :H04N19/30,H04N19/136 (71)Name of Applicant : (31) Priority Document No :61/805,388 (32) Priority Date :26/03/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/031716 Filing Date :25/03/2014

(87) International Publication No :WO 2014/160705

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

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

1)DOLBY LABORATORIES LICENSING

CORPORATION

Address of Applicant: 100 Potrero Avenue San Francisco

California 94103 4813 U.S.A.

(72) Name of Inventor: 1)SU Guan Ming 2) CHEN Qian

3)KOEPFER Hubert

4)QU Sheng

### (57) Abstract:

Input VDR images are received. A candidate set of function parameter values for a mapping function is selected from multiple candidate sets. A set of image blocks of non zero standard deviations in VDR code words in at least one input VDR image is constructed. Mapped code values are generated by applying the mapping function with the candidate set of function parameter values to VDR code words in the set of image blocks in the at least one input VDR image. Based on the mapped code values a subset of image blocks of standard deviations below a threshold value in mapped code words is determined as a subset of the set of image blocks. Based at least in part on the subset of image blocks it is determined whether the candidate set of function parameter values is optimal for the mapping function to map the at least one input VDR image.

No. of Pages: 65 No. of Claims: 29

(22) Date of filing of Application :15/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LUBRICATING MACHINE FOR PRECISION GREASING OF 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>	:F16H 57/04 :NA :NA :NA	(71)Name of Applicant:  1)PRIYANK VIKRAM AGRAWAL Address of Applicant: H-96 GIDC,PHASE-3 HOUSING ZONE, NEAR ROTARY GARDEN SURENDRANAGAR WADHWAN CITY 363035 GUJARAT INDIA Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRIYANK VIKRAM AGRAWAL
(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 lubricating machine (100) comprises of: housing (5) which is held by supporting ring (4) of sump mount holder (3) fixed on stand (2) and the housing (5) is filled with desired grease; stand (2) is based on base (1) having sump mount holder (3) with supporting ring (4) for holding housing (5); covering nut (9) is fixed on top of the housing (5); locking nut (7) is provided on bottom of housing (5) for loosing and tightening the housing (5); rotating knob (8) is also provided on bottom of housing (5) holding which the entire lead shaft (6) is pulled out and on twisting the rotating knob (8), grease will come out such that lead shaft (6) advances upon turns in clockwise direction and returns in anticlockwise direction lubricating the ball bearing with precision greasing; grub on supporting ring (4) is provided loosing onto which the housing (5) is inverted and lead shaft (6) is pulled out of housing (5) holding the rotating knob (8) and after desired greasing in housing (5) the lead shaft (6) is inserted and push till grease is seen at the sump housing (5) end.

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

(22) Date of filing of Application :04/06/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MACHINE FOR SWEEPING, AND CLEANING ROAD SURFACES

(51) International classification	:E01H 1/04	(71)Name of Applicant: 1)AJINKYA DEEPAK GHUMAN
(31) Priority Document No	:NA	Address of Applicant :105, 'GHUMAN HOUSE', GUPTE
(32) Priority Date	:NA	MARG, JATHAR PETH, AKOLA 444005, MS, INDIA.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AJINKYA DEEPAK GHUMAN
(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	
(77)		

#### (57) Abstract:

Disclosed is a machine (100) for sweeping and cleaning road surfaces. The machine includes a collector (10) mounted on a front side of the chassis. The collector includes a shaft, and at least two extended arms (12a", 12b) attached to ends ofthe shaft (14), a roller mounted on the shaft (14) for pushingin the garbage from the road and a bin configured on the rear end of the roller for collecting and storing the garbage pushed by the roller. Furthermore, the collector (10) includes a hydraulic cylinder (16) connected to the shaft (14) and a first motor (18) for operating the hydraulic cylinder. The machine (100) further includes a pusher (20) for-pushing obstacles from the road. The machine (100) furthermore includes a cutter (30) for Cutting the grass or herbs on road side. The machine (100) also includes a washer (40) for rotating the brush for cleaning the debris of the road.

No. of Pages: 15 No. of Claims: 4

(21) Application No.2639/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : HYPERBARIC INJECTION SOLUTION OF ROPIVACAINE HYDROCHLORIDE AND PROCESS FOR PREPARATION THEREOF

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	9/06 :NA	1)NEON LABORATORIES LIMITED Address of Applicant :Damji Shamji Industrial Complex,
(32) Priority Date	:NA	Mahakali Caves Road, Andheri (East), Mumbai - 400093,
(33) Name of priority country	:NA	Maharashtra, India. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOSHI, Neeta
(87) International Publication No	: NA	2)NARKHEDE, Rahul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Abstract: Disclosed herein is hyperbaric solution for injection of Ropivacaine Hydrochloride which comprises Ropivacaine Hydrochloride; a base/acid to adjust the pH and a baricity adjuster to modify Baricity of the injection solution.

No. of Pages: 14 No. of Claims: 13

(21) Application No.3092/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :14/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MATTERS COVER AND SKIRT SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	21/06 :NA :NA	(71)Name of Applicant:  1)WELSPUN INDIA LIMITED  Address of Applicant: WELSPUN HOUSE, 7TH FLOOR,  KAMALA CITY, SENAPATI BAPAT MARG, LOWER
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li><li>Filing Date</li></ul>	:NA :NA :NA	PAREL, MUMBAI-400013, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)MS. DIPALI GOENKA
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A mattress cover and skirt system includes a skirt configured to be secured to the mattress. The skirt includes a flexible skirt panel defining an upper edge, a lower edge, and an elastic element disposed along at least a portion of the lower edge. The mattress cover system includes a mattress cover panel configured to be removably attached to the skirt. The mattress cover panel includes an upper layer, a lower layer, and a cushioning member disposed between the upper and lower layers. A connector system includes at least one first connector member disposed along the upper edge of the skirt and at least one second connector member disposed proximate the outermost edge of the mattress cover panel. The second connector member is configured to engage the first connector member so as to removably attach the mattress cover panel to the skirt.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :10/09/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TERRY ARTICLE WITH SYNTHETIC FILAMENT YARNS AND METHODS OF MAKING SAME

(51) International classification		(71)Name of Applicant :
(+ -)	13/328	1)WELPSUN INDIA LIMITED
(31) Priority Document No	:NA	Address of Applicant :WELSPUN HOUSE, 7TH FLOOR,
(32) Priority Date	:NA	KAMALA CITY, SENAPATI BAPAT MARG, LOWER
(33) Name of priority country	:NA	PAREL, MUMBAI-400013 MAHARASHTRA, INDIA.
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MRS DIPALI GOENKA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A terry article includes a ground component including a plurality of ground warp yarns and a plurality of weft yarns, and a pile component disposed on at least one of a lower side and an upper side of the ground component. The pile component includes a first plurality of pile loops that extend away from the ground component along a vertical direction. The first plurality of pile loops are formed from a first set of pile yarns comprised of natural fibers and further define a first pile height. The pile component also includes a second plurality of pile loops that extend away from the ground component in the vertical direction. The second plurality of pile loops are formed from a set of continuous filament thermoplastic yarns and define a second pile height that is less than the first pile height.

No. of Pages: 28 No. of Claims: 29

(22) Date of filing of Application :21/12/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DESIGN OF ELECTRONIC SENSOR FOR IN-SITU MONITORING OF SOIL

	:G01N	(71)Name of Applicant:
(51) International classification	27/02	1)MRS.SHEETAL V. MAPARE
(31) Priority Document No	:NA	Address of Applicant :102/A, PADMAVATI DHARA,
(32) Priority Date	:NA	MANKAR CHOWK, OPP. YASHODA GARDEN, WAKAD,
(33) Name of priority country	:NA	PUNE 411057 MAHARASHTRA,INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR.G.G.SARATE
(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 design and working principle is an electromagnetic sensor for sensing fertilizers in soil is disclosed, a pentagonal spiral inductor in series with interdigital capacitance produces electromagnetic field that interacts with the soil under test. The total impedance is used as the characterization parameter for the sensor. The impedance characteristic in the range of frequencies is the combination of inductive and capacitive states. The effect of samples on sensor"s impedance is measured. This sensor when coated with a thin film of cobalt detects phosphate concentration in soil.

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

(21) Application No.201641002027 A

(19) INDIA

(22) Date of filing of Application :20/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FEMALE HYGIENE DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61F :NA	(71)Name of Applicant: 1)P. SITHESWARAN alias VENKATESAN
(32) Priority Date	:NA	Address of Applicant :No.21, 22, Swamiyappa Nagar Annex,
(33) Name of priority country	:NA	Seelanaiyakanpatti, Salem 636201, Tamil Nadu, India Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)P. SITHESWARAN alias VENKATESAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

ABSTRACT Female Hygiene Device The invention discloses a Female Hygiene device that can be removably attached to the interior part of a women's garment. The device enables a woman to be able to urinate in a standing position without the possibility of seepage of urine on to the legs of the woman.

Senthil Kumar B Agent for the applicant IN/PA-1549

No. of Pages: 18 No. of Claims: 5

(21) Application No.201641001481 A

(19) INDIA

(22) Date of filing of Application :14/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A METHOD FOR SURVEILLANCE OF AN AREA OF INTEREST AND A SURVEILLANCE DEVICE THEREOF

(51) International classification	:H04N	(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)TOMSON GANAPATHIPLACKAL GEORGE
(87) International Publication No	: NA	2)SUDHEESH 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 disclosure relates to a method for surveillance an area of interest. A surveillance device pre-sets an area of interest for each of plurality of image capturing devices. The surveillance device synchronizes the plurality of image capturing devices to simultaneously observe the area of interest. Upon synchronizing, the surveillance device continuously receives view port details from each of the plurality of image capturing devices. If the received view port details matches with pre-set view port details of the area of interest, then one or more images are captured at the intersection of field of view of plurality of image capturing devices. The captured images are provided to the surveillance device to generate a 3-D model. The 3-D model is observed for detecting presence or absence of a new element in the area of interest. Fig.1a

No. of Pages: 29 No. of Claims: 15

(21) Application No.201641001810 A

(19) INDIA

(22) Date of filing of Application :18/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR CLASSIFYING AND RESOLVING SOFTWARE PRODUTION INCIDENT TICKETS

(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)PREMCHAND RYALI
(87) International Publication No	: NA	2)SHIVAMURTHY HARAVE GURUSWAMAPPA
(61) Patent of Addition to Application Number	:NA	3)RAMKUMAR BALASUBRAMANIAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This disclosure relates to system and method for classifying and resolving software production incident tickets. In one embodiment, a method is provided for classifying software production incident tickets. The method comprises receiving an incident ticket, extracting a plurality of keywords from the incident ticket, and deriving a query vector corresponding to the incident ticket based on the plurality of keywords. The method further comprises classifying the incident ticket into at least one of a positive mechanization incident ticket and a negative mechanization incident ticket based on a comparison of the query vector and a plurality of vectors derived from a plurality of past incident tickets. The plurality of vectors are derived based on a plurality of keywords and their corresponding occurrences in the plurality of past incident tickets. Figure 5

No. of Pages: 36 No. of Claims: 19

(21) Application No.496/CHE/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : A METHOD AND DEVICE FOR SENSING AND JUDGING THE CONDITION OF HUMAN KNEE FOR VARIOUS PARAMETERS & HEALTH MONITORING

(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SREENIDHI INSTITUTE OF SCIENCE AND
(32) Priority Date	:NA	TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :YAMNAMPET, GHATKESAR,
(86) International Application No	:NA	TELANGANA 501301 Telangana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. VARANASI ARUNA
(61) Patent of Addition to Application Number	:NA	2)IRUKUVAJJULA SHIVKUMAR SHARMA
Filing Date	:NA	3)SAI NIHAR TADICHETTY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

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

(22) Date of filing of Application :14/01/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM FOR ENHANCED SECURITY OF OCCUPANTS IN A VEHICLE AND METHODS EMPLOYED THEREOF

(51) International classification	:B60R	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SRIKANTH LINGIDI
(32) Priority Date	:NA	Address of Applicant :11-7-156, Plot No 45B, HUDA Colony,
(33) Name of priority country	:NA	Saroornagar, Hyderabad, Telangana, India. Telangana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRIKANTH LINGIDI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:307/CHE/2015	
Filed on	:01/01/1900	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards system and method for enhanced security of occupants in a vehicle. The system includes a security assembly including an emergency aid triggering unit configured for enabling an occupant of the vehicle to trigger an emergency signal and communicate an emergency aid request to an emergency service assistance providers, a real time location tracking unit, an inbuilt voice and video based communication establishing unit, whereby voice and video based communication establishing unit configured for enabling the occupant of the vehicle to initiate a voice call; and a video call with an emergency service assistance providers; a security device activity analysing unit, whereby the coloured lighting of the switch or button is configured for enabling the occupant in the vehicle to know about the working condition of the security device; A server unit in communication with the security assembly configured to track the location of the vehicle and analyze images of the occupant and the driver for identifying an emotion expression on the face of the occupant and the drive to dynamically determine an emergency aid request without consent of the occupant and the driver and determine an authenticity of the emergency aid request.

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

(22) Date of filing of Application :02/02/2016 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A SYSYEM FOR POWER GENERATION WITHOUT FUEL AND METHOD THERE OFF

(51) International classification	:H02K53/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JANARDHAN ACHARY K NAMBI
(32) Priority Date	:NA	Address of Applicant :C/o S.P., SUKHOBRISTI, NEW
(33) Name of priority country	:NA	TOWN, ANKADA KESARI, FLAT NO. 402, TOWER NO: J-17,
(86) International Application No	:NA	KOLKATA-135
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JANARDHAN ACHARY K NAMBI
(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 system for power generation and in particular, this invention relates to a system for power generation using nonconventional source. More particularly, this present invention relates to a system for power generation in which the string of induction motor will generate electric power that will convert into mechanical and this mechanical power will convert in to power energy with the help of our technology electromagnetism. Furthermore, this invention also relates to a system for power generation which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

No. of Pages: 23 No. of Claims: 8

# **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.10214/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

(54) Title of the invention: METHOD FOR CRACKING A HYDROCARBON FEEDSTOCK IN A STEAM CRACKER UNIT

(51) International :C10G65/10,C10G67/04,C10G69/06 classification

(31) Priority Document No :13174784.2 (32) Priority Date :02/07/2013

(33) Name of priority country: EPO

(86) International :PCT/EP2014/063852

Application No :30/06/2014

Filing Date

(87) International Publication :WO 2015/000844

(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) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant: P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor: 1)WARD Andrew Mark

2)OPRINS Arno Johannes Maria

3)HOUSMANS Thomas Hubertus Maria 4)NARAYANASWAMY Ravichander 5)RAJAGOPALAN Vijavanand

6)POWALE Lakshmikant Survakant

#### (57) Abstract:

The present invention relates to process for cracking a hydrocarbon feedstock in a steam cracker unit comprising the following steps of: feeding a hydrocarbon feedstock to a first hydrocracking unit feeding the hydrocarbon feedstock thus cracked to a separation unit for obtaining a stream high in paraffins and naphtenes a stream high in heavy aromatics and a stream high in mono aromatics feeding the stream high in paraffins and naphtenes to a second hydrocracking unit wherein the process conditions in the first hydrocracking unit differ from the process conditions in the second hydrocracking unit separating the stream thus hydrocracked in the second hydrocracking unit in a high content aromatics stream and gaseous stream comprising C2 C4 paraffins hydrogen and methane feeding the gaseous stream to a steam cracker unit.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PURIFYING DIOCTYL PHTHALATE

:C07C67/56,C07C69/80 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) SAUDI BASIC INDUSTRIES CORPORATION :61/832576 (32) Priority Date :07/06/2013 Address of Applicant :P.O. Box 5101 Riyadh 11422 Saudi (33) Name of priority country :U.S.A. Arabia (86) International Application No :PCT/IB2014/061953 (72) Name of Inventor: Filing Date :04/06/2014 1)BASHIR Mubarik Ali (87) International Publication No :WO 2014/195887 2) RAFI Mohammad (61) Patent of Addition to Application 3)OSEI TWUM Emmanuel :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Disclosed is a method of reducing the ultraviolet light absorbing properties of a composition comprising dioctyl phthalate the method comprising (a) obtaining a composition comprising dioctyl phthalate and phthalide wherein said composition has an absorbance of greater than 0.1 at a wavelength of about from 230 to 360 nm (b) contacting the composition with activated carbon silica gel or diatomaceous earth for a sufficient amount of time to allow the phthalide to contact the activated carbon silica gel or diatomaceous earth and (c) removing the composition from the activated carbon silica gel or diatomaceous earth wherein the composition obtained from step (c) has an absorbance equal to or less than about 0.1 at a wavelength of about from 230 to 360 nm and has a reduced amount of phthalide when compared with the composition from step (a).

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SECURITY DOCUMENTS AND METHODS OF MANUFACTURE THEREOF

:B42D25/328,B42D25/351 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1308959.4 (32) Priority Date :17/05/2013

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

(86) International Application No :PCT/GB2014/051486

Filing Date :15/05/2014

(87) International Publication No :WO 2014/184559

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

1)DE LA RUE INTERNATIONAL LIMITED

Address of Applicant :De La Rue House Jays Close Viables

Basingstoke Hampshire RG22 4BS U.K.

(72) Name of Inventor:

1)HOLMES Brian

### (57) Abstract:

Filing Date

A method of manufacturing a security document is disclosed comprising:(a) providing a polymeric substrate having first and second surfaces; then performing the following steps (b) (c) and (d) in any order: (b) applying a curable material to a first region of the substrate on its first surface;(c) forming the curable material such that its surface distal from the substrate follows the contours of an optically variable effect generating relief structure and curing the curable material such that the relief structure is retained by the cured material; (d) applying one or more coating layers to the first and/or second surface(s) of the substrate to define a viewing region the coating layer(s) being absent at least on the first surface across all or part of the first region; then:(e) applying a masking substance to the first surface of the substrate excluding at least a second region which includes at least part of the first region the overlapping portions of the first and second regions defining a third region; (f) depositing a reflection enhancing material onto the first surface of the substrate such that in the third region the reflection enhancing material is deposited onto the cured material and follows the contours of the relief structure; wherein the masking substance impedes the retention of the reflection enhancing material such that the reflection enhancing material is retained only in areas to which the masking substance was not applied.

No. of Pages: 42 No. of Claims: 30

(21) Application No.10220/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: LIQUID NATURAL GAS COOLING ON THE FLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:22/04/2014 :WO 2014/176249	(71)Name of Applicant:  1)CHART INDUSTRIES INC.  Address of Applicant: 2200 Airport Industrial Drive Suite 500 Ball Ground GA 30107 U.S.A.  (72)Name of Inventor:  1)DRUBE Tom
(87) International Publication No		TIDROBE TOIL
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Described herein are systems and methods for cryogenic fluid delivery to achieve the lowest reasonable saturation pressure while dispensing a cryogenic fluid such as liquefied natural gas to a holding tank on a use device. The systems and methods utilize a liquid nitrogen component and a liquefaction engine very cold liquefied natural gas and a liquefaction engine or a combination of both very cold liquefied natural gas and a liquid nitrogen component to deliver LNG to a holding tank on a use device.

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: GEL FORMULATIONS FOR EXTENDED RELEASE OF VOLATILE COMPOUNDS

(51) International :A01N27/00,A01N3/00,A01P21/00 classification (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application 1)LU Fujun :PCT/CN2013/074816 :26/04/2013 Filing Date

(87) International Publication :WO 2014/172899

(61) Patent of Addition to

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

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

Address of Applicant: 727 Norristown Road Spring House PA

19477 U.S.A.

(72) Name of Inventor:

2)SUN Tong 3)ZHANG Jiguang 4)NIU Qingshan Jason

5)LI Wei

6)YANG Xiuhan Grace 7)MENNING Bruce Alan 8)BECKER Christian Guv 9) JACOBSON Richard Martin

### (57) Abstract:

Disclosed are packing material / matrix and methods of making thereof for slow or extended release of at least one active volatile compound(s). Provided are gel matrix polymerized from particular pre polymer and optionally initiators are added during polymerization. The active volatile compounds are encapsulated in molecular encapsulating agents into a form of molecular complex an the molecular complex is further incorporated into the gel matrix. Also provided are methods for preparing the gel matrix and using thereof.

No. of Pages: 34 No. of Claims: 40

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MANUAL TOOTHBRUSH CONCEPT BEING COMBINED FROM THREE PARTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A46B5/00 :13169703.9 :29/05/2013 :EPO :PCT/US2014/037221 :08/05/2014 :WO 2014/193620 :NA :NA :NA	(71)Name of Applicant:  1)THE GILLETTE COMPANY Address of Applicant: World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts 02127 U.S.A. (72)Name of Inventor: 1)BRESSELSCHMIDT Andreas 2)BIRK Andreas 3)SCHULZ Holger 4)STEGMANN Wolfgang 5)GANNINGER Jochen 6)JOEST Michael 7)HERZOG Karl 8)REUSCHENBACH Andreas
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## (57) Abstract:

A toothbrush comprises a head a neck portion and a handle wherein the neck portion and the handle portion are connected to each other via a coupling element. Said connection is constructed as an inseparable connection meaning that after being combined once neck portion and handle cannot be separated again without destroying the toothbrush. Further a method for producing such a toothbrush may comprise the following steps: providing a head a neck portion and handle; providing a coupling element and combining the neck portion to the handle by the coupling element so that an irreversible connection is formed.

No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: UNDERWEAR STYLE ABSORBENT ARTICLE

(51) International :A61F13/15,A61F13/49,A61F13/496 classification (31) Priority Document No :2013101237

(32) Priority Date :13/05/2013 (33) Name of priority :Japan

country

(86) International :PCT/JP2014/061503 Application No

:24/04/2014 Filing Date

(57) Abstract:

(87) International :WO 2014/185242 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

1)KAO CORPORATION Address of Applicant: 14 10 Nihonbashi Kayabacho 1 chome

Chuo ku Tokyo 1038210 Japan

(72) Name of Inventor: 1)KOBAYASHI Kenii 2)TAMURA Naoki

(71)Name of Applicant:

This diaper (1A) is obtained by joining both edge sections (2a 2b) of an outer layer body (2) having an absorbent body (3) attached thereto and forming a pair of side sealing sections (4) as a result. The outer layer body (2) has a low function region (WT) exhibiting a reduced stretching/contracting function in the attachment section (7) with the absorbent body (3). The outside lateral sections of the low function region (WT) and the side sealing sections (4) have respectively a lateral section adhesion region (IT) and a side sealing section adhesion region (OT) formed therein which have an elastic member (24) attached between an outer layer sheet (22) and an inner layer sheet (23) via an adhesive (8). The amount of the adhesive (8) used in the lateral section adhesion region (IT) and the side sealing section adhesion region (OT) repeatedly alternates in the Y direction between larger and smaller amounts in a manner such that the amount of the adhesive (8) in sections (IP OP) in which the elastic member (24) is disposed is greater than the amount of the adhesive (8) in the intervals (IN ON) between adjacent elastic members (24).

No. of Pages: 54 No. of Claims: 24

(21) Application No.10224/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: BACTERIOPHAGE THERAPY

(51) International :A61K9/20,A61K47/48,A61K35/76

classification

(31) Priority Document No :13305568.1 (32) Priority Date :30/04/2013 (33) Name of priority country: EPO

(86) International Application :PCT/EP2014/058840

:30/04/2014 Filing Date

(87) International Publication :WO 2014/177622

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)FERRING B.V.

Address of Applicant :Polaris Avenue 144 NL 2132 JX

Hoofddorp Netherlands 2)INSTITUT PASTEUR

(72)Name of Inventor: 1)DANGLAS Pascal

2) DEBARBIEUX Laurent

### (57) Abstract:

The subject invention provides a pharmaceutical composition comprising: (i) at least one bacteriophage strain(s) capable of producing a lytic infection in an adherent invasive strain; and (ii) a pharmaceutically acceptable carrier; for the treatment of inflammatory bowel disease. The subject invention further provides a method of treating inflammatory bowel disease comprising administering to a subject in need thereof at least one bacteriophage strain capable of producing a lytic infection in an adherent invasive strain thereby treating the subject. The subject invention also provides new bacteriophage strains.

No. of Pages: 57 No. of Claims: 35

(22) Date of filing of Application :03/11/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : A HIGH CURRENT VACUUM INTERRUPTER WITH SECTIONAL ELECTRODE AND MULTI HEAT PIPES

(51) International :H01H1/62,H01H33/66,H01H33/664

(31) Priority Document No :13/918031 (32) Priority Date :14/06/2013

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

country

(86) International PCT/US2014/038336 Application No

Filing Date :16/05/2014

(87) International Publication No :WO 2014/200662

(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 Ohio

44122 U.S.A.

(72)Name of Inventor:

1)LEUSENKAMP Martin

2)YU Li

## (57) Abstract:

An electrode assembly (70) for a circuit breaker (10) is provided. The electrode assembly (70) includes a conductive assembly (90) and a heat transfer assembly (200). The conductive assembly (90) includes a stem portion (92) and a contact portion (94). The heat transfer assembly (200) includes a number of elongated bodies (202) a first heat transfer surface (204) and a second heat transfer surface (206). The first heat transfer surface (204) is disposed on the conductive assembly (90). Each heat transfer assembly body (202) includes a second heat transfer surface (206). Each heat transfer assembly body (202) is coupled to the conductive assembly (90) with the first heat transfer surface (204) coupled to a number of second heat transfer surfaces (206).

No. of Pages: 29 No. of Claims: 13

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AEROSOL GENERATING SYSTEM FOR GENERATING NICOTINE SALT 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> </ul>	:A24F47/00 :13185245.1 :19/09/2013 :EPO :PCT/EP2014/070034 :19/09/2014 :WO 2015/040180 :NA :NA	(71)Name of Applicant:  1)PHILIP MORRIS PRODUCTS S.A. Address of Applicant: Quai Jeanrenaud 3 CH 2000 Neuchâtel Switzerland (72)Name of Inventor: 1)ZUBER Gérard 2)FARINE Marie 3)SILVESTRINI Patrick Charles
Number		3)SILVESTRINI Patrick Charles
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An aerosol generating system comprises: a nicotine source (6); a volatile delivery enhancing compound source (10) downstream of the nicotine source wherein the volatile delivery enhancing compound comprises an acid; heating means (18) for heating the nicotine source; and a physically separate heat transfer barrier (8) between the nicotine source and the volatile delivery enhancing compound source. The heating means is preferably configured to heat the nicotine source to a temperature of between about  $80 \, \text{Å}^{\circ}\text{C}$  and about  $150 \, \text{Å}^{\circ}\text{C}$ . The heat transfer barrier is preferably configured so that in use the temperature of the volatile delivery enhancing compound source is less than about  $50 \, \text{Å}^{\circ}\text{C}$  when the nicotine source is heated to a temperature of between  $80 \, \text{Å}^{\circ}\text{C}$  and  $150 \, \text{Å}^{\circ}\text{C}$  by the heating means. The heat transfer barrier may comprise a solid material having a thermal conductivity of less than about  $1 \, \text{W}$  per metre Kelvin (W/(mâ&¢K)) at  $23 \, \text{Å}^{\circ}\text{C}$  and a relative humidity of  $50 \, \text{\%}$ . Alternatively the heat transfer barrier may comprise a cavity having a length of at least about  $8 \, \text{mm}$ .

No. of Pages: 24 No. of Claims: 15

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ELASTOMERIC SLEEVE ENABLED TELESCOPIC JOINT FOR A MARINE DRILLING RISER

(51) International :E21B17/07,E21B17/01,E21B19/00

:WO 2014/189742

classification :E21B17/07,E23 (31) Priority Document No :61/827446 (32) Priority Date :24/05/2013

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

(86) International Application :PCT/US2014/038052

No :15/05/2014

Filing Date

(87) International Publication

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to Application
Number
Filing Date
:NA

(71)Name of Applicant:

1)OIL STATES INDUSTRIES INC.

Address of Applicant: 7501 S. Cooper Street Arlilngton Texas

76001 U.S.A.

(72)Name of Inventor:

1)GUTIERREZ LEMINI Danton

2)LUKE Eric

#### (57) Abstract:

A telescopic joint for a marine drilling riser has an outer barrel and an inner barrel defining a central lumen for passage of a drill pipe string. The inner barrel is received within the outer barrel and there is a clearance fit between the barrels for sliding of the inner barrel with respect to the outer barrel while maintaining a coaxial relationship between the barrels. A tubular rolling elastomeric membrane is disposed within the outer barrel and has one end secured to an outer circumference of the inner barrel and another end secured to an inner circumference of the outer barrel for sealing drilling fluid within the central lumen. As the inner barrel slides with respect to the outer barrel the elastomeric membrane rolls with respect to the inner barrel and the outer barrel so that wear of the seal due to abrasion is eliminated.

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SEISMIC DAMPING WALL STRUCTURE

(51) International classification	:E04H9/02	(71)Name of Applicant:
(31) Priority Document No	:2013198379	1)IDEAL BRAIN CO.LTD.
(32) Priority Date	:25/09/2013	Address of Applicant :2 105Kanda Awaji cho Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1010063 Japan
(86) International Application No	:PCT/JP2014/004907	(72)Name of Inventor:
Filing Date	:25/09/2014	1)SATO Takanori
(87) International Publication No	:WO 2015/045384	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a seismic damping wall structure that can dampen vibrations while absorbing displacement of the seismic damping wall body in the in plane direction even when acted upon by vibrations in a building due to an earthquake wind or the like. This invention pertains to a seismic damping wall structure installed in a wall of a building. The seismic damping wall structure comprises a wall frame provided in a wall section a seismic damping wall body provided in the wall frame and a seismic damper that is provided between the wall frame and the seismic damping wall body. The seismic damping wall body is provided with a plurality of face plates (31) that are in the wall frame and that are connected in the width direction of a frame member by anchoring both sides of the face plates and either of the top end and the bottom end of the face plates to the frame member and a gap is formed by separating the wall frame and an inside section of the seismic damping wall body in order to absorb the displacement in the in plane direction that is generated when vibrations acting on a building are dampened by the seismic damper.

No. of Pages: 50 No. of Claims: 7

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VARIABLE GEOMETRY TURBINE

:F01D17/14,F01D17/16 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) CUMMINS LTD :1306522.2 (32) Priority Date :10/04/2013 Address of Applicant :St. Andrews Road Huddersfield HD1 (33) Name of priority country :U.K. 6RA U.K. (86) International Application No :PCT/GB2014/051121 (72) Name of Inventor: Filing Date :10/04/2014 1)PARKER John Frederick (87) International Publication No :WO 2014/167336 2)MOORE Simon David (61) Patent of Addition to Application 3)SOPHIAN Ali :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A variable geometry turbine has annular inlet passageway defined between a first surface of a radial wall of a movable wall mounted within a cavity and a facing wall of the turbine housing. The radial wall defines a second surface that opposes the first surface. The moveable wall member comprises an annular flange that extends axially into the cavity and supports a radial flange defining opposing third and fourth surfaces. The radial flange seals against an annular sleeve in the cavity to define a first area within the cavity which includes the radial second and third surfaces and a second area within the cavity which includes the radial fourth surface. The first and second areas are in fluid communication with regions of the annular inlet passageway which are respectively upstream and downstream of a radial vane passage.

No. of Pages: 70 No. of Claims: 44

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CONFIGURATION OF VOLTAGE CONVERTERS IN A POWER SUPPLY 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>	:H02M3/157,H02M1/36 :NA :NA :NA :NA :PCT/EP2013/063667 :28/06/2013 :WO 2014/206490 :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)HOLMBERG Torbjörn
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#### (57) Abstract:

A power supply system controller (360) for configuring voltage converters in a power supply system (300) is disclosed. The power supply system comprises a first voltage converter (130 1; 130 2) arranged to convert an input voltage at an input of the first voltage converter to an output voltage at an output of the first voltage converter wherein the output of the first voltage converter is connected to an input of a second voltage converter (150 1; 150 2; 150 3). Each of the first and second voltage converters comprises: a controller (210) configurable by received first control signals (260) to control the voltage conversion to be performed by the voltage converter; and a power module (270) arranged to derive from the input (230) of the voltage converter an operation voltage (V) to power the controller (210) such that the controller (210) can be configured by the received first control signals (260). The power supply system controller (360) is arranged to: generate first control signals (260) to configure the first voltage converter (130 1; 130 2); following configuration of the first voltage converter generate second control signals to cause the input of the second voltage converter (150 1; 150 2; 150 3) to be supplied with the output voltage of the first voltage converter (130 1; 130 2) such that the second voltage converter can be configured; and generate first control signals to configure the second voltage converter (150 1; 150 2; 150 3).

No. of Pages: 31 No. of Claims: 13

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PERSONALIZED CUSTOMIZABLE SMART BROWSER

(51) International classification	:G06F3/048,G06F3/00	(71)Name of Applicant:
(31) Priority Document No	:61/820470	1)ZATALOVSKI Yoni Noam
(32) Priority Date	:07/05/2013	Address of Applicant :Shenhav Konforti Shavit & Co. P.O.B.
(33) Name of priority country	:U.S.A.	29671 Ahad Haam St. 9 (Shalom Tower) Tel Aviv 61296 Israel
(86) International Application No	:PCT/IL2014/000023	(72)Name of Inventor:
Filing Date	:07/05/2014	1)ZATALOVSKI Yoni Noam
(87) International Publication No	:WO 2014/181318	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer device implemented browsing system with a browser application operable on the computer device and configured to simultaneously retrieve operate and display data and functional components related to a plurality of items intended for display on a single display window of the browser application over display means of the computer device; processing means configured to retrieve and process the data and functional components related to the plurality of items; and memory means configured to allocate memory space for the plurality of items where the plurality of items are displayed operated and made accessible for a user on the single display window and the browser application is configured to allocate an area for display for every item on the display window and direct all the data and functional components related to an item to the area on the display window and where the items are selected from software programs and applications internet and intranet websites web links webpages and documents.

No. of Pages: 55 No. of Claims: 26

(21) Application No.10245/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FLUID DISTRIBUTION DEVICE AND METHOD FOR MULTIBED REACTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/840543 :28/06/2013 :U.S.A.	(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)XU Zhanping 2)CHEN Pengfei
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### (57) Abstract:

A fluid distribution device is presented for the collection and distribution of fluid between reactor beds. According to various aspects the device includes a collection tray a mixing chamber in fluid communication with the collection tray a rough distribution tray in fluid communication with the mixing chamber and a fine distribution tray in fluid communication with the rough distribution tray. The rough distribution tray includes a vapor chimney.

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

(21) Application No.10246/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS AND APPARATUS FOR PRODUCING DIESEL

(51) International classification	:C10G45/04,C10L1/08	(71)Name of Applicant:
(31) Priority Document No	:13/929949	1)UOP LLC
(32) Priority Date	:28/06/2013	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/US2014/042832	(72)Name of Inventor:
Filing Date	:18/06/2014	1)KOKAYEFF Peter
(87) International Publication No	:WO 2014/209694	2)SADLER Clayton C.
(61) Patent of Addition to Application	:NA	3)THAKKAR Vasant P.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process and apparatus is disclosed for pretreating a hydrocarbon stream in a hydrotreating reactor and separating the diesel materials from the pretreated effluent before the heavier liquid materials are fed to a hydrocracking unit. Thus diesel materials are preserved but recovered along with the hydrocracked effluent. A recovered diesel stream can be sent to a hydrotreating unit to improve its cetane rating.

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AUTOMATED ITEM RETURN MACHINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/889622 :08/05/2013 :U.S.A.	<ul> <li>(71)Name of Applicant:</li> <li>1)AMAZON TECHNOLOGIES INC.</li> <li>Address of Applicant: P.O. Box 8102 Reno Nevada 89507</li> <li>U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)PORTER Richard F.</li> </ul>
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#### (57) Abstract:

Automated return machines may receive items to be returned to an electronic marketplace by a customer or repurchased by the electronic marketplace within one or more designated chambers. The machines may gather one or more attributes of the item and utilize such attributes to confirm an identity of the item or to evaluate its condition and to generate an offer for the repurchase of the item based on an anticipated demand for the item as well as a strategy or plan to distribute the item either directly from the automated return machine or from a facility designated by an electronic marketplace. If the offer is declined the item may be returned to the customer. If the offer is accepted a credit for the item may be remitted to the customer and the item may be added to the inventory at the electronic marketplace and made available for resale to other customers.

No. of Pages: 46 No. of Claims: 15

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

:NA

## (54) Title of the invention: DEVICE FOR ADJUSTING THE INTER FLANGE SPACE OF A BOBBIN

:B65H75/14,B65H75/24 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)CONDUCTIX WAMPFLER FRANCE :1353267 (32) Priority Date Address of Applicant :Immeuble West Plaza 9 rue du :11/04/2013 (33) Name of priority country DébarcadÃ"re 92700 Colombes France :France (72)Name of Inventor: (86) International Application No :PCT/EP2014/057405 1)BERGER Jean Michel Filing Date :11/04/2014 (87) International Publication No :WO 2014/167105 2)PARSEIHIAN Bruno (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

The invention concerns a bobbin (1) for winding and unwinding a link such as a cable or similar comprising:  $\hat{a} \notin \phi$  a central mandrel (10) comprising two opposing faces (11 12) perpendicular to a rotational axis (13) of the bobbin (1)  $\hat{a} \notin \phi$  two sets of arms (21) each mounted on a respective opposing face of the central mandrel (10) each arm being in contact with an intermediate support positioned between the two ends of same  $\hat{a} \notin \phi$  characterised in that the bobbin comprises a plurality of adjustment elements (30) each associated with a respective arm the actuation of an adjustment element resulting in a force being applied to the associated arm of same through the intermediate support the application of said force tending to vary the inclination of said arm around the intermediate support in such a way as to adjust the position of said arm in a plane essentially parallel to the rotational axis of the bobbin.

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

(21) Application No.10249/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR UNIPOLAR SEPARATION OF EMULSIONS AND OTHER **MIXTURES**

(51) International classification: B03C5/02,B03C11/00,B01D17/06 (71) Name of Applicant:

:WO 2014/172504

(31) Priority Document No :61/812700 (32) Priority Date :16/04/2013

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

(86) International Application :PCT/US2014/034432

:16/04/2014

Filing Date

(87) International Publication

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Address of Applicant: 77 Massachusetts Avenue Cambridge

Massachusetts 02139 U.S.A. (72) Name of Inventor:

1)MAHMOUDI Seved Reza

2) VARANASI Kripa K.

#### (57) Abstract:

Embodiments discussed herein relate to systems and methods for separating two or more phases of an emulsion or other mixture. The methods include providing the mixture with a net and unipolar charge (e.g. such that adjacent droplets therein acquire net and unipolar charges) thereby enhancing coalescence of like phase droplets therein and producing or enhancing the production of two or more consolidated phases; and collecting the two or more consolidated phases.

No. of Pages: 86 No. of Claims: 50

(21) Application No.10236/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: TREATMENT OF CANCER USING COENZYME Q10 COMBINATION THERAPIES

(51) International classification :A61K31/122,A61P35/02,G01N33/53 (31) Priority Document No :61/809840 (32) Priority Date :08/04/2013 (33) Name of priority country :U.S.A.

(86) International :PCT/US2014/033402

Application No Filing Date :08/04/2014

(87) International Publication No :WO 2014/168993

(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)BERG LLC

Address of Applicant :1845 Elm Hill Pike Nashville TN 37210

U.S.A.

(72)Name of Inventor:
1)NARAIN Niven Rajin

2)SARANGARAJAN Rangaprasad

## (57) Abstract:

Presented herein are methods for the treatment of oncological disorders by the  $co\hat{A}\neg$  administration of CoQ10 formulations and chemo therapeutic agents and/or surgery. The CoQ10 formulations may be at least one of intravenous topical or by inhalation. The chemo therapeutic agents may be at least one of antimetabolites or anthracyc lines. Co administration of the CoQ10 formulations may be prior to concurrent or substantially concurrent with intermittent with or subsequent to the administration of the chemotherapy.

No. of Pages: 164 No. of Claims: 66

(22) Date of filing of Application :03/11/2015

(43) Publication Date: 05/02/2016

## (54) Title of the invention: HERBICIDALLY ACTIVE (ALKYNYL PHENYL) SUBSTITUTED CYCLIC DIONE COMPOUNDS AND DERIVATIVES THEREOF

(51) International :C07C49/753,C07C323/22,C07D309/32

classification

(31) Priority Document :1309679.7

(32) Priority Date :30/05/2013

(33) Name of priority :U.K.

country

(86) International

:PCT/EP2014/061206 Application No :29/05/2014

Filing Date

(87) International

:WO 2014/191534 Publication No

:NA

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

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

(71)Name of Applicant: 1)SYNGENTA LIMITED

Address of Applicant : European Regional Centre Priestley Road Surrey Research Park Guildford Surrey GU2 7YH U.K.

(72)Name of Inventor:

1)BLACK Janice

2)SCUTT James Nicholas 3)WHALLEY Louisa 4) WILLETS Nigel James

## (57) Abstract:

The present invention relates to a compound of formula (I): wherein: X is methyl or chlorine; R is fluorine or bromine; Ris ethynyl C Calkoxy C Chaloalkoxy or C Calkoxy C Calkoxy; and Q is a pyran 3 5 dione 4 yl a thiopyran 3 5 dione 4 yl a piperidine 3 5 dione 4 yl a cyclopentane 1 3 dione 2 yl a cyclohexane 1 3 5 trione 2 yl a cyclohexane 1 3 dione 2 yl or a cycloheptane 1 3 dione 2 yl or a derivative thereof (e.g. a fused such as fused bicyclic derivative and/or a spirocyclic derivative) or an enol ketone tautomer derivative thereof wherein Q is further defined herein; and wherein the compound of formula (I) is optionally present as an agrochemically acceptable salt thereof. Preferably X is methyl; and/or R is fluorine; and/or R is O R wherein R is methyl ethyl trifluoromethyl difluoromethyl trifluoroethyl or CHCHOCH. These compounds are suitable for use as herbicides. The invention therefore also relates to a method of controlling weeds especially grassy monocotyledonous weeds in crops of useful plants comprising applying a compound of formula (I) or a herbicidal composition comprising such a compound to the weeds and/or to the plants and/or to the locus thereof.

No. of Pages: 235 No. of Claims: 21

(21) Application No.10238/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: ANTIBACTERIAL GLASS

(51) International classification :C03C3/17,C02F1/50,C03C4/00 (71)Name of Applicant : (31) Priority Document No :2013138575

(32) Priority Date :02/07/2013

(33) Name of priority country :Japan (86) International Application No :PCT/JP2014/063940

Filing Date :27/05/2014 (87) International Publication No: WO 2015/001870

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

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

1)KOA GLASS CO. LTD.

Address of Applicant: 25 27 Hirai 1 chome Edogawa ku

Tokyo 1320035 Japan (72) Name of Inventor: 1)KOBAYASHI Yoshinao

2) NEMOTO Kunihiko

#### (57) Abstract:

Provided is an antibacterial glass which can be accommodated in a narrow accommodating space in an antibacterial water unit for supplying antibacterial water to a washing tube of a washing machine is capable of effectively suppressing the occurrence of black mold and the like in the washing tub and can effectively inhibit bacteria on laundry while suppressing discoloration thereof. An antibacterial glass for releasing silver ions and exhibiting antibacterial effects in direct contact with water the AgO content thereof being within the range of more than 5 wt% to 10 wt% or less the PO and CaO content being within a predetermined range the ZnO content being less than 10 wt% and the KO AlO and MgO content being within a predetermined range with respect to a total quantity of 100 wt% and the shape of the antibacterial glass being a doublet shape having a maximum diameter in a predetermined range.

No. of Pages: 87 No. of Claims: 7

(22) Date of filing of Application :03/11/2015

(43) Publication Date: 05/02/2016

## (54) Title of the invention: DISK BRAKE WITH STABILIZED BRAKE PADS AND RELATED METHODS FOR ASSEMBLING AND REPLACING A PAD

(51) International :F16D65/097,F16D55/2265,F16D121/02

classification (31) Priority Document

(32) Priority Date :29/04/2013 (33) Name of priority :France

country

(86) International

:PCT/EP2014/058067 Application No

:1353906

:22/04/2014 Filing Date

(87) International

:WO 2014/177415 Publication No

(61) Patent of Addition to Application Number

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

(71)Name of Applicant:

1) CHASSIS BRAKES INTERNATIONAL B.V.

Address of Applicant: Rapenburgerstraat 179/E NL 1011 VM

Amsterdam Netherlands (72) Name of Inventor: 1)MERRIEN Sandra

2)GAYE André

## (57) Abstract:

The invention relates to a disk brake that has a fork (11) with two opposing arms (14) each having a C shaped axial seat (16) designed to receive a brake pad (12) with two opposing lateral lugs (26) each lug (26) receiving a pad spring (40) having at least one lower sliding branch (42) in which a laminar element (22) is interposed between the lug (26) and the C shaped seat said element (22) having a first lower sliding flange (24) receiving the sliding branch (42) of the pad spring and a second upper vertical supporting flange (25) in the seat (16) characterized in that the laminar element (22) is elastically deformable between an initial free state in which the sliding flange (24) and the lower face (34) of the seat (16) form a first acute angle (a) and at least one state of loading by the pad spring (40) in which the sliding flange (24) forms a second acute or zero angle (ß) that is less than the first acute angle (a) and in which the sliding branch (42) of the pad spring (40) is pre stressed.

No. of Pages: 22 No. of Claims: 12

(21) Application No.1001/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/04/2011 (43) Publication Date : 05/02/2016

## (54) Title of the invention: "STEAM TURBINE PLANT"

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B23B :2010- 88671	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOSHIBA  Address of Applicant: 1-1, SHIBAURA 1-CHOME,
(32) Priority Date (33) Name of priority country	:Japan	MINATO-KU, TOKYO, JAPAN Japan (72)Name of Inventor:
(86) International Application No	:NA	1)KOICHI GOTO
Filing Date	:NA	2)NOBUO OKITA
(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 steam turbine plant of one embodiment includes at least one heater configured to change water into steam to produce high pressure steam and low pressure steam having a lower pressure than the high pressure steam, a high pressure turbine including a turbine or turbines connected to each other in series, and having a first inlet to supply the high pressure steam, a second inlet to supply the low pressure steam and located at a downstream of the first inlet, and an exhaust port located at a downstream of the second inlet, the high pressure turbine being configured to be driven by the steam supplied from the first and second inlets, a reheater configured to heat the steam exhausted from the exhaust port, and a reheat turbine configured to be driven by the steam from the reheater.

No. of Pages: 28 No. of Claims: 7

(21) Application No.10250/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR CONDITIONING SYNTHETIC CRUDE OIL

(51) International :C10G1/10,C10G19/00,C10G19/02 classification

(31) Priority Document No :61/809348

(32) Priority Date :06/04/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/033215

:07/04/2014

Filing Date :WO 2014/165859

(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)AGILYX CORPORATION

Address of Applicant :9600 SW Nimbus Avenue Suite 260

Beaverton Oregon 97008 U.S.A.

(72)Name of Inventor:

1)BENNETT James Michael 2) DEWHITT Kevin Clark

## (57) Abstract:

Systems and methods for conditioning synthetic crude oils are provided herein. The systems and methods described herein subject the synthetic crude to one or more process solutions to provide conditioned synthetic crude exhibiting for example a reduced TAN.

No. of Pages: 39 No. of Claims: 40

(21) Application No.10251/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : DEVICES AND METHODS FOR USING A FLEXIBLE CONNECTOR ELEMENT IN THE CONSTRUCTION OF A FLOOR OR A SIDEWALK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:E04F15/10 :61/820702 :08/05/2013 :U.S.A. :PCT/IL2014/050360 :10/04/2014 :WO 2014/181322 :NA :NA	(71)Name of Applicant:  1)ZOHAR Ron  Address of Applicant:16 Hankin Street 76354 Rehovot Israel (72)Name of Inventor:  1)ZOHAR Ron
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention discloses methods and devices for sand free floor construction. A rubber or otherwise flexible element is placed between anchoring blocks and final floor tiles so as to allow for easy manipulation and leveling of the floor blocks above the flexible element. Male and female joining elements may be employed to guarantee solid integration of floor tiles prior to grouting and floor completion. In some embodiments sidewalks may be constructed over a plurality of blocks with finger like projections adapted to hold sidewalk blocks in place without recourse to sand or mortar.

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

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: QUINAZOLINES AND AZAQUINAZOLINES AS DUAL INHIBITORS OF RAS/RAF/MEK/ERK AND PI3K/AKT/PTEN/MTOR PATHWAYS

(51) International :C07D413/14,A61K31/5377,C07D401/04

:61/811408

:U.S.A.

classification (31) Priority Document

(32) Priority Date :12/04/2013

(33) Name of priority country

(86) International

:PCT/US2014/033727 Application No

:11/04/2014 Filing Date

(87) International

:WO 2014/169167 Publication No

(61) Patent of Addition to Application Number

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

(71)Name of Applicant:

1)ASANA BIOSCIENCES LLC

Address of Applicant: 400 Crossing Boulevard Third Floor

Bridgewater NJ 08807 2863 U.S.A.

(72) Name of Inventor:

1)THOMPSON Scott K.

2)SMITH Roger A.

3) REDDY Sanjeeva

4)JOHN Tyler M.

5)NYAVANANDI Vijay Kumar

6)SUBRAMANYA Hosahalli

7)POTLURI Vijav

8)PANIGRAHI Sunil Kumar

9)NADIPALLI Prabhakara Rao

10)SENGUPTA Saumitra

#### (57) Abstract:

The present application provides novel quinazolines and azaquinazolines and pharmaceutically acceptable salts thereof. Also provided are methods for preparing these compounds. These compounds are useful in for co regulating RAS/RAF/MEK/ERK and PI3K/AKT/PTEN/mTOR pathways by administering a therapeutically effective amount of one or more of the compounds of formula (I) wherein X Y T and R and R to R are defined herein to a patient. By doing so these compounds are effective in treating conditions associated with the dysregulation of the RAS/RAF/MEK/ERK and PI3K/AKT/PTEN/mTOR pathways. A variety of conditions can be treated using these compounds and include diseases which are characterized by abnormal cellular proliferation. In one embodiment/ the disease is cancer.

No. of Pages: 136 No. of Claims: 64

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SUSPENSION COIL SPRING AND STRUT TYPE SUSPENSION DEVICE

:F16F9/32,B60G15/06,F16F1/06 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2013100630 (32) Priority Date :10/05/2013

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2014/062502

Filing Date :09/05/2014 (87) International Publication No: WO 2014/181872

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)MITSUBISHI STEEL MFG. CO. LTD.

Address of Applicant: 2 22 Harumi 3 chome Chuo ku Tokyo

1048550 Japan

(72) Name of Inventor: 1)SANO Masanori 2)SAYAMA Hironobu 3)HIROKANE Toru

#### (57) Abstract:

A suspension coil spring mounted between an upper end and a lower end of a vehicle strut type suspension device comprises a coil spring body having an upper end turn secured at the upper end and a lower end turn secured at the lower end when the suspension coil spring is mounted. In the mounted state the upper end and the upper end turn are substantially in contact with each other at two or more upper contact points on the upper end turn. In the mounted state the lower end and the lower end turn are substantially in contact with each other at one lower contact point on the lower end turn. The two upper contact points are disposed so as to be separated from each other in the upper end turn in the front and back direction of a vehicle. The one lower contact point is disposed at a position in the vehicle outside direction relative to a plane passing through the two upper contact points in the lower end and being parallel to the end turn center axis.

No. of Pages: 52 No. of Claims: 8

(21) Application No.10262/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: OPHTHALMIC LENS WITH A MICROFLUIDIC SYSTEM

:A61B5/145,G02C7/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)JOHNSON & JOHNSON VISION CARE INC. :13/896708 (32) Priority Date :17/05/2013 Address of Applicant: 7500 Centurion Parkway Jacksonville (33) Name of priority country :U.S.A. Florida 32256 U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2014/037861 Filing Date :13/05/2014 1)PUGH Randall B. (87) International Publication No :WO 2014/186368 2)FLITSCH Frederick A. (61) Patent of Addition to Application 3)PUTT Karson S. :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention described a system for an energized ophthalmic device with a media insert that includes microfluidic elements upon or within the media insert. In some embodiments the microfluidic elements may be useful for the purpose of analyzing an analyte such as glucose in a fluid sample. In addition some embodiments can function with a medicament administering device to treat an abnormal condition identified during the analyte analysis in the fluid sample.

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ENERGIZABLE OPHTHALMIC LENS WITH AN EVENT BASED COLORATION SYSTEM

:G02C7/04,G02C7/02,A61B3/10 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/899510 (32) Priority Date :21/05/2013

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

(86) International Application No:PCT/US2014/038734

Filing Date :20/05/2014 (87) International Publication No: WO 2014/189894

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JOHNSON & JOHNSON VISION CARE INC.

Address of Applicant: 7500 Centurion Parkway Jacksonville

Florida 32256 U.S.A. (72)Name of Inventor:

1)PUGH Randall B. 2) PUTT Karson S. 3)HIGHAM Camille

4)SNOOK Sharika

(57) Abstract:

The present invention provides a device for an energizable Ophthalmic Lens with an event coloration mechanism. The event coloration mechanism may color or change color based on some predefined event. For example a predefined constituent or predefined condition of the tear fluid may be indicative of the predefined event and the event coloration mechanisms may interact with the tear fluid accordingly. The event coloration mechanism may provide the energizable functionality of the Ophthalmic Lens in some embodiments. In others the event coloration mechanism may be passive but may interact and interface with the electrical components of the Ophthalmic Lens such as for example those included within the Media Insert. Event coloration mechanisms may be combined with additional functionalities that may be included in an energizable Ophthalmic Lens.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD OF PROGRAMMING AN ENERGIZED OPHTHALMIC LENS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:13/896643	1)JOHNSON & JOHNSON VISION CARE INC.
(32) Priority Date	:17/05/2013	Address of Applicant :7500 Centurion Parkway Jacksonville
(33) Name of priority country	:U.S.A.	Florida 32256 U.S.A.
(86) International Application No	:PCT/US2014/037858	(72)Name of Inventor:
Filing Date	:13/05/2014	1)PUGH Randall B.
(87) International Publication No	:WO 2014/186365	2)FLITSCH Frederick A.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and a system for the selection and programming of an energized ophthalmic lens are disclosed. More specifically the energized ophthalmic lens which can include a variable state arcuate shaped liquid meniscus lens capable of changing vision correction properties upon the receipt of an activation signal. According to some aspects of the disclosure the system and method comprise vision simulation software configured to use patient s eye related data and product design options to select the ophthalmic lens and an operational protocol for the change of optical properties.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AN OPHTHALMIC LENS WITH A PASSIVE EVENT BASED COLORATION SYSTEM

## (57) Abstract:

The present invention provides for an Ophthalmic Lens device with passive event coloration mechanisms which may not require a power source. An Ophthalmic Lens may comprise multiple event coloration mechanisms wherein the event coloration mechanisms may or may not comprise similar embodiments. The event coloration mechanism may color or change color based on some predefined event. A predefined constituent or predefined condition of the tear fluid may be indicative of the predefined event and the event coloration mechanisms may interact with the tear fluid accordingly. In some embodiments the passive event coloration mechanisms may be combined with Rigid Inserts or Media Inserts wherein the inserts may provide additional functionalities.

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR A PROCESSOR CONTROLLED OPHTHALMIC LENS

:G02C7/04,G06F3/01,A61B5/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/896653 (32) Priority Date :17/05/2013

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

(86) International Application No: PCT/US2014/038061

Filing Date :15/05/2014 (87) International Publication No: WO 2014/186501

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JOHNSON & JOHNSON VISION CARE INC.

Address of Applicant: 7500 Centurion Parkway Jacksonville

Florida 32256 U.S.A.

(72)Name of Inventor: 1)PUGH Randall B.

2)TONER Adam

3)FLITSCH Frederick A.

#### (57) Abstract:

A method and system for the calibration and operation of a processor controlled ophthalmic lens is described. More specifically the system comprising an interactive wireless device used to personalize the control and activation of one or more functions and/or components of the processor controlled ophthalmic lens. In some embodiments the personalization may include calibrating the functions and/or components using feedback from the user using the interactive wireless device in response to measured conditions by one or more sensors included in the processor controlled ophthalmic lens.

No. of Pages: 31 No. of Claims: 20

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COMPOSITIONS AND METHODS FOR PERSONALIZED NEOPLASIA VACCINES

(51) International classification	:A61K39/00,A61P35/00	(71)Name of Applicant:
(31) Priority Document No	:61/809406	1)THE BROAD INSTITUTE INC.
(32) Priority Date	:07/04/2013	Address of Applicant :415 Main Street Cambridge MA 02142
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2014/033185	2)DANA FARBER CANCER INSTITUTE INC.
Filing Date	:07/04/2014	3)THE GENERAL HOSPITAL CORPORATION
(87) International Publication No	:WO 2014/168874	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)HACOHEN Nir
Number	:NA	2)WU Catherine J.
Filing Date	.IVA	3)FRITSCH Edward F.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides a method of making a personalized neoplasia vaccine for a subject diagnosed as having a neoplasia which includes identifying a plurality of mutations in the neoplasia analyzing the plurality of mutations to identify a subset of at least five neo antigenic mutations predicted to encode neo antigenic peptides the neo antigenic mutations selected from the group consisting of missense mutations neoORF mutations and any combination thereof and producing based on the identified subset a personalized neoplasia vaccine.

No. of Pages: 256 No. of Claims: 39

(21) Application No.10258/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: CONTROLLED RELEASE PHARMACEUTICAL FORMULATIONS

(51) International :A61K31/19,A61K47/48,A61P11/00 classification

(31) Priority Document No :61/817462 (32) Priority Date :30/04/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/035849

Application No :29/04/2014

Filing Date

(87) International Publication :WO 2014/179295 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)UNITED THERAPEUTICS CORPORATION Address of Applicant: 1040 Spring Street Silver Spring

Maryland 20910 U.S.A. (72)Name of Inventor: 1)LAING Peter

Disclosed herein are drug release polymer compounds and compositions comprising prostacyclin compounds of Formula (I) and methods of preparing the same. A preferred polymer has a repeating unit of the following structure:

No. of Pages: 51 No. of Claims: 22

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : AQUEOUS HYDROPHILIZING SURFACE TREATMENT AGENT HYDROPHILIC COATING FILM AND HYDROPHILIZING SURFACE TREATMENT METHOD

(51) International classification :C23C22/05,B05D7/24 (71)Name of Applicant : (31) Priority Document No :2013093868 1)NIHON PARKERIZING CO. LTD. (32) Priority Date Address of Applicant: 15 1 Nihonbashi 1 chome Chuo ku :26/04/2013 (33) Name of priority country Tokyo 1030027 Japan :Japan :PCT/JP2014/061491 (72) Name of Inventor: (86) International Application No Filing Date :23/04/2014 1)NAKAMURA Yusuke (87) International Publication No :WO 2014/175357 2)ENDO Tomohiro (61) Patent of Addition to Application 3)YAMAGUCHI Hidehiro :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

To provide an aqueous hydrophilizing surface treatment agent for forming a hydrophilic coating film that exhibits excellent hydrophilicity hydrophilicity sustainability and corrosion resistance; a hydrophilic coating film; and a hydrophilizing surface treatment method. [Solution] The above mentioned problem is solved by an aqueous surface treatment agent which contains (A) an organic inorganic silicon compound and (B) inorganic particles and wherein the organic inorganic silicon compound (A) is configured of a compound that is obtained by mixing (C) a colloidal silica and (D) an organoalkoxysilane. In this connection the ratio of the solid content mass (M) of the inorganic particles (B) to the solid content mass (M) of the organic inorganic silicon compound (A) namely M/M is preferably within the range from 0.2 to 2.0 (inclusive); the average particle diameter of the organic inorganic silicon compound (A) is preferably within the range from 3 nm to 500 nm (inclusive); and the average particle diameter of the inorganic particles (B) is preferably within the range from 10 nm to 600 nm (inclusive).

No. of Pages: 62 No. of Claims: 14

(21) Application No.10260/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD OF MANUFACTURING AN OPHTHALMIC LENS WITH A PASSIVE EVENT BASED COLORATION SYSTEM

(51) International classification :G02C7/04,G02C7/02,A61B3/10 (71) Name of Applicant: (31) Priority Document No :13/899528 1)JOHNSON & JOHNSON VISION CARE INC. (32) Priority Date Address of Applicant: 7500 Centurion Parkway Jacksonville :21/05/2013 (33) Name of priority country FL 32256 U.S.A. :U.S.A. (72) Name of Inventor: (86) International Application No:PCT/US2014/038725 Filing Date :20/05/2014 1)PUGH Randall B. 2)PUTT Karson S. (87) International Publication No: WO 2014/189889 (61) Patent of Addition to 3)HIGHAM Camille :NA **Application Number** 4)SNOOK Sharika :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The present invention discloses methods and apparatus for methods and apparatus for manufacturing an Ophthalmic Lens with passive event coloration mechanisms which may not require a power source. In some embodiments the passive event coloration mechanisms may be combined with Rigid Inserts or Media Inserts wherein the inserts may provide additional functionalities.

No. of Pages: 34 No. of Claims: 20

(21) Application No.10261/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD AND DEVICE FOR MONITORING OPHTHALMIC LENS MANUFACTURING **CONDITIONS**

(51) International :G02C7/04,A61F2/16,G06K19/077 classification

:15/05/2014

:WO 2014/186518

(31) Priority Document No :13/896681 (32) Priority Date :17/05/2013

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

(86) International Application :PCT/US2014/038093

No Filing Date

(87) International Publication

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)JOHNSON & JOHNSON VISION CARE INC.

Address of Applicant :7500 Centurion Parkway Jacksonville

Florida 32256 U.S.A. (72) Name of Inventor: 1)PUGH Randall B.

## (57) Abstract:

A method and communication system for ophthalmic device manufacturing line is disclosed. More specifically the communication device may be incorporated in early stages of manufacturing of the ophthalmic device to monitor process controls without delay. In some embodiments a unique pedigree profile can be stored for an ophthalmic device during manufacturing and correlated with one or more of: design profiles controlled process parameters performance and distribution channels.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: WASHING MACHINE DRIVING MECHANISM

(51) International classification	:D06F37/30	(71)Name of Applicant:
(31) Priority Document No	:201310124978.4	1)CHANGZHOU MASTER MACHINERY CO. LTD
(32) Priority Date	:11/04/2013	Address of Applicant :JI Wenjuan Dongdu West Road
(33) Name of priority country	:China	Luoyang Town Changzhou Jiangsu 213104 China
(86) International Application No	:PCT/CN2013/001378	(72)Name of Inventor:
Filing Date	:13/11/2013	1)LIU Xiaohui
(87) International Publication No	:WO 2014/166025	2)HU Yiming
(61) Patent of Addition to Application	:NA	3)CHEN Chang
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A washing machine driving mechanism comprises: a shaftless rotator (23) used for generating rotational kinetic energy; a gear reducing mechanism (200) mounted on the rotator (23) used for obtaining the rotational kinetic energy from an eccentric position of the rotator (23) and reducing or not reducing the speed of the rotational kinetic energy; and a first driving component (11) connected to the gear reducing mechanism (200) and used for providing the speed reduced or non speed reduced rotational kinetic energy to a corresponding execution component of a washing machine. The rotator is a rotor of a motor and an output rotation shaft on the rotor is canceled. The washing machine driving mechanism has a technical effect of being compact in structure and small in space occupancy.

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

(21) Application No.10276/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: NON AQUEOUS ELECTROLYTE SECONDARY BATTERY

(51) International classification

:H01M10/052,H01M4/505,H01M4/525

(31) Priority Document

:2013086347

(32) Priority Date :17/04/2013

(33) Name of priority

:Japan

country (86) International

:PCT/JP2014/059319

Application No Filing Date

:28/03/2014 (87) International

Publication No

:WO 2014/171310

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

:NA :NA

(62) Divisional to Application Number Filing Date

:NA

:NA

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

Japan

(72) Name of Inventor:

1)ABE Takeshi

2)KAWAI Toshiyuki

3)KOUYAMA Akira

## (57) Abstract:

The present invention provides a lithium ion secondary battery that exhibits superior output characteristics and in which output characteristic degradation can be suppressed for a long period of time even after repeated charging and discharging. The lithium ion secondary battery (100) is provided with a positive electrode (30) a negative electrode (40) and a non aqueous electrolyte. The maximum achievable potential of the positive electrode (30) in terms of metallic lithium is equal to or greater than 4.5V. In addition the non aqueous electrolyte includes (A) a non fluorinated cyclic carbonate (B) a fluorinated cyclic carbonate and (C) a fluorinated chain carbonate and is characterized in that the ratio of the non fluorinated cyclic carbonate (A) with respect to the total of (A) (B) and (C) is greater than 10 vol%.

No. of Pages: 57 No. of Claims: 8

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DUAL BELLOWS SEPARATOR FOR HIGH PRESSURE APPLICATIONS

(51) International classification	:F15B1/24	(71)Name of Applicant:
(31) Priority Document No	:61/823796	1)TECHNETICS GROUP LLC
(32) Priority Date	:15/05/2013	Address of Applicant :5605 Carnegie Boulevard Suite 500
(33) Name of priority country	:U.S.A.	Charlotte NC 28209 U.S.A.
(86) International Application No	:PCT/US2014/038064	(72)Name of Inventor:
Filing Date	:15/05/2014	1)HELLWEGE Nathan
(87) International Publication No	:WO 2014/186503	2)GLAFENHEIN Aaron
(61) Patent of Addition to Application	:NA	3)WHITE James
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A high pressure separator/accumulator that uses dual bellows is provided. The dual bellows are not mechanically linked but rather operationally coupled through a fluid medium. The high pressure separators includes a housing defining a first internal space. The housing is in fluid communication with a first fluid system and a second fluid system. A first bellows is coupled to the interior of the separator and defines a space with a variable volume. The space is in fluid communication with the first fluid system. A second bellows is coupled to the interior of the separator generally opposed to the first bellows and defines a space with a variable volume. The space is in fluid communication with the second fluid system. The two fluid systems however are isolated from each other by the separator. The housing is charged with a fluid medium that transmits force between the first and second bellows.

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

(21) Application No.10278/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: POLYPLEXES

(51) International classification	:A61K8/91	(71)Name of Applicant:
(31) Priority Document No	:61/811078	1)VANDERBILT UNIVERSITY
(32) Priority Date	:11/04/2013	Address of Applicant :305 Kirkland Hall Nashville Tennessee
(33) Name of priority country	:U.S.A.	37240 U.S.A.
(86) International Application No	:PCT/US2014/033873	(72)Name of Inventor:
Filing Date	:11/04/2014	1)DUVALL Craig
(87) International Publication No	:WO 2014/169256	2)EVANS Brian Connor
(61) Patent of Addition to Application	:NA	3)BROPHY Colleen
Number	:NA	4)HOCKING Kyle
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to compounds comprising (i) an active agent wherein the active agent includes a charge at a predetermined pH (ii) a polymer wherein the polymer includes an opposite charge than the active agent at the predetermined pH; and (iii) a polyplex comprising the peptide and the polymer electrostatically bond together at the predetermined pH. In some embodiments the active agent is a peptide such as a peptide comprising MAPKAP kinase II inhibitory peptide and in some embodiments the peptide includes a cell penetrating peptide. In further embodiments the disclosure provides methods for treating a disease or condition by administering a composition according to the present disclosure to a subject in need thereof.

No. of Pages: 89 No. of Claims: 29

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: TARGETED MODIFICATION OF RAT GENOME

(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 Filing Date (33) Name of priority country (20) Saw Mill River Road (34) Priority Document No (21) CALS INC. Address of Applicant: 777 Old Saw Mill River Road (72) Name of Inventor: (73) Name of Inventor: (74) Name of Inventor: (75) Name of Inventor: (75) Name of Inventor: (75) Name of Inventor: (76) Name of Inventor: (77) Name of Inventor: (78) Name o	3) Name of priority country 3) Name of priority country 4) International Application No 5) International Application No 6) International Publication No 7) International Publication No 1) Patent of Addition to Application umber Filing Date 1) Patent of Addition to Application 1) Patent of Addition to Application 2) Divisional to Application Number 3) AUERBACH Wojtek 4) LAI Ka Man Venus 5) VALENZUELA David M. 6) YANCOPOULOS George D.	ad
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### (57) Abstract:

Compositions and methods are provided for modifying a rat genomic locus of interest using a large targeting vector (LTVEC) comprising various endogenous or exogenous nucleic acid sequences as described herein. Compositions and methods for generating a genetically modified rat comprising one or more targeted genetic modifications in their germline are also provided. Compositions and methods are provided which comprise a genetically modified rat or rat cell comprising a targeted genetic modification in the rat interleukin 2 receptor gamma locus the rat ApoE locus the rat Rag2 locus the rat Rag1 locus and/or the rat Rag2/Rag1 locus. The various methods and compositions provided herein allows for these modified loci to be transmitted through the germline.

No. of Pages: 252 No. of Claims: 79

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS AND INSTALLATION FOR THE CONVERSION OF CRUDE OIL TO PETROCHEMICALS HAVING AN IMPROVED BTX YIELD

(51) International :C10G35/00,C10G45/00,C10G47/00

classification (31) Priority Document No :13174763.6

(32) Priority Date :02/07/2013 (33) Name of priority country: EPO

(86) International :PCT/EP2014/063858

Application No :30/06/2014

Filing Date

(87) International Publication :WO 2015/000850

(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) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant : P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor:

1)WARD Andrew Mark

2)NARAYANASWAMY Ravichander

3)RAJAGOPALAN Vijayanand 4) OPRINS Arno Johannes Maria

5)SCHAERLAECKENS Egidius Jacoba Maria

6) VELASCO PELAEZ Raul

#### (57) Abstract:

The present invention relates to an integrated process to convert crude oil into petrochemical products comprising crude oil distillation reforming dearomatization fluid catalytic cracking and aromatic ring opening which process comprises: subjecting crude oil to crude oil distillation to produce naphtha and one or more of kerosene and gasoil; subjecting naphtha to reforming to produce reformer gasoline; subjecting kerosene and/or gasoil to dearomatization to produce a first stream enriched for alkanes and naphthenes and a second stream enriched for aromatics; subjecting the stream enriched for alkanes and naphthenes to pyrolysis to produce a pyrolysis gasoline or to fluid catalytic cracking to produce a FCC gasoline; subjecting the stream enriched for aromatics to aromatic ring opening to produce a ARO gasoline; and subjecting one or more of reformer gasoline FCC gasoline and ARO gasoline to gasoline treatment to produce BTX. Furthermore the present invention relates to a process installation to convert crude oil into petrochemical products using the process of the present invention. The process and the process installation of the present invention have an increased production of petrochemicals at the expense of the production of fuels and an improved BTX yield.

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

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS AND INSTALLATION FOR THE CONVERSION OF CRUDE OIL TO PETROCHEMICALS HAVING AN IMPROVED PROPYLENE YIELD

(51) International :C10G69/06,C10G45/00,C10G69/04

classification (31) Priority Document No :13174751.1

(32) Priority Date :02/07/2013

(33) Name of priority country: EPO

(86) International :PCT/EP2014/063855

Application No :30/06/2014 Filing Date

(87) International Publication :WO 2015/000847

(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) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant : P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor:

1)WARD Andrew Mark

2)NARAYANASWAMY Ravichander

3)RAJAGOPALAN Vijayanand 4) OPRINS Arno Johannes Maria

5)SCHAERLAECKENS Egidius Jacoba Maria

6) VELASCO PELAEZ Raul

## (57) Abstract:

The present invention relates to an integrated process to convert crude oil into petrochemical products comprising crude oil distillation aromatic ring opening and olefins synthesis which process comprises subjecting a hydrocarbon feed to aromatic ring opening to produce LPG and subjecting the LPG produced in the integrated process to olefins synthesis. Furthermore the present invention relates to a process installation to convert crude oil into petrochemical products comprising a crude distillation unit comprising an inlet for crude oil and at least one outlet for kerosene and/or gasoil; an aromatic ring opening unit comprising an inlet for a hydrocarbon feed to aromatic ring opening and an outlet for LPG; and a unit for the olefins synthesis comprising an inlet for LPG produced by the integrated petrochemical process installation and an outlet for olefins. The hydrocarbon feed subjected to aromatic ring opening comprises kerosene and/or gasoil produced by crude oil distillation in the process; and refinery unit derived middle distillate produced in the process. The process and the process installation of the present invention have an increased production of petrochemicals at the expense of the production of fuels and an improved propylene yield.

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: APPARATUS AND METHODS FOR OCULAR INJECTION

		(71)Name of Applicant :
(51) International classification	:A61M5/20	1)CLEARSIDE BIOMEDICAL INC.
(31) Priority Document No	:61/819048	Address of Applicant :1220 Old Alpharetta Road Suite 300
(32) Priority Date	:03/05/2013	Alpharetta Georgia 30005 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2014/036590	1)ANDINO Rafael Victor
Filing Date	:02/05/2014	2)ZARNITSYN Vladimir
(87) International Publication No	:WO 2014/179698	3)BROOKS Christopher John
(61) Patent of Addition to Application	:NA	4)YOO Jesse
Number		5)KAHUTE Trent John
Filing Date	:NA	6)ARSENAULT Justin William
(62) Divisional to Application Number	:NA	7)TREETIN David Jackson
Filing Date	:NA	8)BAUER Andrew Kent
-		9)LEWIS Stephanie Elaine

## (57) Abstract:

An apparatus includes a housing coupled to a medicament container which is coupled to a needle. An injection assembly is disposed within the housing and includes an energy storage member and an actuation rod. A distal end portion of the actuation rod is disposed within the medicament container. The energy storage member can produce a force on a proximal end portion of the actuation rod sufficient to move the distal end portion of the actuation rod within the medicament container. This can convey at least a portion of a substance from the medicament container via the needle when a distal tip of the needle is disposed within a first region of a target location. The force is insufficient to move the distal end portion of the actuation rod within the medicament container when the distal tip of the needle is disposed within a second region of the target location.

No. of Pages: 261 No. of Claims: 66

(21) Application No.10271/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: PERSISTENT DISPLAY OF NEAREST BEAT CHARACTERISTICS DURING REAL TIME OR PLAY BACK ELECTROPHYSIOLOGY DATA VISUALIZATION

(51) International

:A61B5/00,A61B5/044,A61B5/024

classification

:61/820142

(31) Priority Document No (32) Priority Date

:06/05/2013

(33) Name of priority country

:U.S.A.

(86) International Application

:PCT/US2014/036939

No

Filing Date

:06/05/2014

(87) International Publication

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

:NA

Filing Date

Filing Date

:WO 2014/182680

:NA

(62) Divisional to Application :NA Number

:NA

(71)Name of Applicant:

1)BOSTON SCIENTIFIC SCIMED INC.

Address of Applicant :One Scimed Place Maple Grove

Minnesota 55311 U.S.A. (72) Name of Inventor:

1)THAKUR Pramodsingh H.

2)ARCOT KRISHNAMURTHY Shantha

3)SHUROS Allan C. 4)SAHA Sunipa 5)SHOME Shibaji

6)MASKARA Barun

#### (57) Abstract:

A system and method for mapping an anatomical structure includes sensing activation signals of intrinsic physiological activity with a plurality of electrodes disposed in or near the anatomical structure. A most recent intrinsic event at a selected time is determined based on the sensed activation signals and a persistent display of relevant characteristics is generated based on the sensed activation signals of the most recent intrinsic event. The persistent display is updated upon detection of a subsequent intrinsic event.

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SMOKING ARTICLE WITH SINGLE RADIALLY SEPARATED HEAT CONDUCTING ELEMENT

:A24F47/00,A24B15/16 (71)Name of Applicant : (51) International classification (31) Priority Document No :13180309.0

(32) Priority Date :13/08/2013

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2014/067237 Filing Date :12/08/2014

(87) International Publication No :WO 2015/022321

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

1)PHILIP MORRIS PRODUCTS S.A.

Address of Applicant :Quai Jeanrenaud 3 CH 2000

Neuchâtel Switzerland (72) Name of Inventor: 1)MIRONOV Oleg

#### (57) Abstract:

A smoking article (2 42) comprises: a combustible heat source (4) having opposed front (6) and rear (8) faces; an aerosol forming substrate (10) downstream of the rear face (8) of the combustible heat source (4); and a single heat conducting element (36) overlying a rear portion of the combustible heat source (4) and at least a front portion of the aerosol forming substrate (10). The single heat conducting element (36) comprises one or more layers of heat conductive material and the one or more layers of heat conductive material are radially separated from the combustible heat source (4) and the aerosol forming substrate (10). The combustible heat source (4) is either a blind combustible heat source or the combustible heat source (4) is a non blind combustible heat source and the smoking article (42) further comprises a non combustible substantially air impermeable barrier (46) between the non blind combustible heat source and one or more airflow channels (44) extending from the front face (6) to the rear face (8) of the non blind combustible heat source. The single heat conducting element comprises an outer layer of heat conductive material that is visible on the exterior of the smoking article.

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS IN A BASE STATION FOR CONTROLLING COMMUNICATION RESOURCES TO A PLURALITY OF ANTENNA SITES OF THE BASE STATION

(51) International classification	:H04W28/20,H04W88/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/062628	1)LU Chenguang
Filing Date	:18/06/2013	2)BERG Miguel
(87) International Publication No	:WO 2014/202124	3)ERIKSSON Per Erik
(61) Patent of Addition to Application	:NA	4)JOHANSSON Rune
Number	:NA	5)THOREBÄCK Johan
Filing Date	.NA	6)TROJER Elmar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method performed by a base station (200) in a wireless communication system for controlling communication resources to a plurality of antenna sites (231 232 233 234) of the base station the base station providing communication resources as a number of antenna carriers providing IQ data flows (IQ1 IQ2 IQ3) to the plurality of antenna sites. The method comprises: estimating (302) traffic load on individual of the plurality of antenna sites (231 232 233 234) and distributing (312) the number of antenna carriers to the plurality of antenna sites based on the estimated traffic load on individual of the plurality of antenna sites.

No. of Pages: 43 No. of Claims: 17

(21) Application No.10287/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A CABLED PIPE RACK

(51) International classification	:E21B19/15,E04B1/18,E04B1/30	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GARCIA Rolando S.
(32) Priority Date	:NA	Address of Applicant :No. 1 C Hernandez St. Marulas
(33) Name of priority country	:NA	Valenzuela City Manila Phillipines
(86) International Application	:PCT/PH2013/000011	(72)Name of Inventor:
No	:05/04/2013	1)GARCIA Rolando S.
Filing Date	.03/04/2013	
(87) International Publication N	o:WO 2014/163514	
(61) Patent of Addition to	:NA	
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A cabled pipe rack is an assembly of structural elements put together to form a robust structural framework to function similar to conventional pipe rack. The invention employs tension cables to support lateral movements of transverse frames along the longitudinal direction. Tension cables are primarily anchored to the main anchoring structures strategically located at both ends of cabled pipe rack assembly. This structural assembly is a zero braced pipe rack completely eliminates pipe clashing issues to any bracing elements. This innovation have taken the structural benefits from a composite column made up of steel and concrete with a fully rigid connection at the base and a fully welded joint connections of transverse beams and columns. The invention is a unique structural system seen as a suitable substitute to the conventional pipe rack.

No. of Pages: 38 No. of Claims: 4

(21) Application No.10288/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ENCAPSULATES

(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	:C11D3/37,C11D3/386,C11D3/40 :61/825141 :20/05/2013 :U.S.A. :PCT/US2014/038758 :20/05/2014 :WO 2014/189906 :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)FERNANDEZ PRIETO Susana 2)SMETS Johan 3)TYLKOWSKI Bartosz 4)GIAMBERINI Marta
11	:NA :NA :NA	

## (57) Abstract:

The present application relates to encapsulated benefit agents having a diameter coefficient of variation from 6 50% and a mean diameter of 3 300 micrometers. The encapsulated benefit agent comprises a core and a shell which encapsulates the core. The shell comprises an acrylate derivative and has thickness of 0.3 15 micrometers and a shell thickness coefficient of variation of 2 30%.

No. of Pages: 56 No. of Claims: 12

(21) Application No.10289/DELNP/2015 A

(19) INDIA

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

:1308409.0

:10/05/2013

:12/05/2014

:PCT/GB2014/051454

:WO 2014/181137

:U.K.

:NA

:NA

:NA

(43) Publication Date: 05/02/2016

## (54) Title of the invention: NOVEL HISTONE DEACETYLASE INHIBITORS

(51) International

:C07D403/12,C07D401/14,C07D213/74

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** 

Filing Date (62) Divisional to

**Application Number** Filing Date

(57) Abstract:

(71)Name of Applicant:

1)KARUS THERAPEUTICS LTD

Address of Applicant: 93 Innovation Drive Milton Park

Abingdon Oxfordshire OX14 4RZ U.K.

(72)Name of Inventor:

1)SHUTTLEWORTH Stephen Joseph

2)TOMASSI Cyrille Davy

3)CECIL Alexander Richard Liam 4)MACCORMICK Somhairle

5)NODES William John

6)SILVA Franck Alexandre

The present invention is a compound of the formula or a pharmaceutically acceptable salt thereof. The compounds are useful as HDAC inhibitors.

No. of Pages: 92 No. of Claims: 25

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : LOW DENSITY ETHYLENE BASED POLYMER COMPOSITIONS WITH GOOD MELT STRENGTH AND HIGH DENSITY

<ul><li>(51) International classification</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>	:C08L23/06 :61/818234 :01/05/2013 :U.S.A. :PCT/US2014/036183	(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:
Filing Date (87) International Publication No	:30/04/2014 :WO 2014/179469	1)ZUERCHER Karl 2)DEN DOELDER Cornelis F. J.
<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)MANGNUS Marc A.

#### (57) Abstract:

The invention provides a composition comprising a first ethylene based polymer formed by a high pressure free radical polymerization process comprising at least one autoclave reactor and a second ethylene based polymer formed by a high pressure free radical polymerization process comprising at least one autoclave reactor such composition comprising the following properties: A) a melt index (I2) from 2.5 to 10 g/10 min; B) a density from 0.920 to 0.935 g/cc; and wherein the second polymer is present in an amount from 5 to 95 weight percent based on the sum of the weight of the first polymer and the second polymer; and wherein the density of the of the second polymer is greater than the density of the first polymer and wherein the first polymer has a melt index I2 greater than 2.5 g/10 min.

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

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: ASSEMBLY FOR PRODUCING A THREADED CONNECTION FOR DRILLING AND OPERATING HYDROCARBON WELLS AND RESULTING THREADED CONNECTION

(51) International classification :E21B17/042 (31) Priority Document No :1354626 (32) Priority Date :23/05/2013 (33) Name of priority country :France (86) International Application No :PCT/EP2014/060472 Filing Date :21/05/2014 (87) International Publication No :WO 2014/187873 (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)VALLOUREC OIL AND GAS FRANCE

Address of Applicant :54 rue Anatole France F 59620 Aulnoye

Aymeries France

2)NIPPON STEEL & SUMITOMO METAL

CORPORATION

(72) Name of Inventor:

1)MARTIN Pierre Bernard

2)COLIN Sébastien

3)MENCAGLIA Xavier

4) RUFFIN Karine

#### (57) Abstract:

The invention concerns an assembly for producing a threaded connection, comprising a first and a second tubular component with an axis of revolution (10) and each respectively provided at one of their ends (1, 2) with at least a first (31, 41), a second (32, 42), and a third (33, 43) continuous threaded zone provided in succession on the same helix on the outer or inner periÂ-pheral surface of the component depending on whether the threaded end is male or female in type, and being capable of cooperating together upon makeup, at least one of the first or second or third threaded zones having a variable width thread profile, and being self-locking, said ends (1, 2) respectively finishing in a free terminal surface (7, 8), each of the ends (1, 2) being free of a specific abutment surface, at least one sealing surface (51, 52) being provided between each of the adjacent threaded zones in order to co¬operate in a sealed interference fit with a sealing surface (61, 62) provided on the corresponding end when the connection is in the made up state. The invention also concerns a threaded connection resulting from making up an assembly in accordance with any one of the preceding claims.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: STEP UP OR STEP DOWN CONVERTER COMPRISING A BYPASS CAPACITOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H02M3/156 :10 2013 104 529.4 :03/05/2013 :Germany :PCT/EP2014/059103 :05/05/2014 :WO 2014/177717 :NA :NA :NA	(71)Name of Applicant:  1)SMA SOLAR TECHNOLOGY AG Address of Applicant:Sonnenallee 1 34266 Niestetal Germany (72)Name of Inventor: 1)SANDER Stephan 2)GRUBER Artjom
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#### (57) Abstract:

The invention relates to a converter in particular a step up (1) or a step down converter said converter comprising a converter inductor (2) a converter diode (3) a converter switch (4) and a bypass circuit (12) connected in parallel to the converter switch (4) in which bypass circuit a bypass capacitor (15) and a diode (14) are connected in series. Said converter also comprises a discharge circuit (17) for the bypass capacitor (15). The forward direction of the diode (14) in the bypass circuit (12) is the same as a conventional direction of current flow through the converter switch (4). The discharge circuit (17) comprises an inductor (20) that is magnetically coupled to the converter inductor (2).

No. of Pages: 30 No. of Claims: 15

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : LASER DRILLING METHOD AND APPARATUS WITH RADIATION OUTPUT CHANGES IN A RADIAL DIRECTION DURING DRILLING OF A WORKPIECE

(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	:09/05/2013 :Japan :PCT/IB2014/000742 :06/05/2014 :WO 2014/181173	(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)YOSHIDA Mitsutaka 2)SUGIYAMA Natsuki 3)SATO Akio 4)KIDERA Kenji 5)SETODOI Masaru 6)YAMAGUCHI Taku
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	o, 2123,212

## (57) Abstract:

Filing Date

A laser drilling method is a laser drilling method for performing drilling on a workpiece by use of a laser beam. The laser drilling method includes after machining a through hole by radiating the laser beam to the workpiece (S100) scanning with the laser beam centered around the through hole toward a radial direction while changing a radiation output of the laser beam (S200).

No. of Pages: 29 No. of Claims: 14

:NA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MULTIPLE POWER MULTIPLE DOSAGE ACCELERATOR RAPID EXAMINATION SYSTEM HAVING THE ACCELERATOR AND CORRESPONDING RAPID EXAMINATION METHOD

(71)Name of Applicant: :G01V5/00,G01N23/10 (51) International classification 1)TSINGHUA UNIVERSITY (31) Priority Document No :201310564187.3 Address of Applicant: Tsinghua University Haidian District (32) Priority Date :14/11/2013 Beijing 100084 China (33) Name of priority country :China 2) NUCTECH COMPANY LIMITED (86) International Application No :PCT/CN2014/000063 (72)Name of Inventor: Filing Date :17/01/2014 1)KANG Kejun (87) International Publication No :WO 2014/117636 2)LI Jianmin (61) Patent of Addition to Application :NA 3)LI Ying Number 4)LI Yuanjing :NA Filing Date 5)YIN Wei (62) Divisional to Application Number :NA 6)ZHENG Juan Filing Date :NA 7)ZENG Lei

## (57) Abstract:

Provided is a multiple-power multiple-dosage accelerator, comprising, an electron gun that provides a first electron gun voltage and a second electron voltage; an accelerating tube that generates, according to the first electron gun voltage, a first X -ray having a first dosage and a first power, and generates, according to the second electron gun voltage, a second voltage and a second power, the first dosage being a dosage that a human body can receive and a dosage that far smaller than the second dosage; the first x-ray is used for examining a first area where personnel are, and the second x-ray is used for examining a second area where goods are.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MULTIPLE USE AEROSOL GENERATING SYSTEM

(51) International classification	:A24F47/00	(71)Name of Applicant:
(31) Priority Document No	:13174941.8	1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:03/07/2013	Address of Applicant :Quai Jeanrenaud 3 CH 2000
(33) Name of priority country	:EPO	Neuchâtel Switzerland
(86) International Application No	:PCT/EP2014/064090	(72)Name of Inventor:
Filing Date	:02/07/2014	1)SILVESTRINI Patrick
(87) International Publication No	:WO 2015/000974	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An aerosol generating system comprises a housing having a first portion (22) and a second portion (24). The housing comprises: an air inlet (26 26a 26b); a nicotine source (8); a volatile delivery enhancing compound source(12); and an airoutlet (28). The first portion of the housing and the second portion of the housing are movable relative to one another between an open position and a closed position. In the open position the air inlet and the air outlet are unobstructed and the nicotine source and the volatile delivery enhancing compound source are both in fluid communication with an airflow pathway through the housing between the air inlet and the air outlet. In the closed position either the air inlet is obstructed or the nicotine source and the volatile delivery enhancing compound source are both not in fluid communication with an airflow pathway through the housing between the air inlet and the air outlet or both.

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

(21) Application No.10307/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM FOR IDENTIFYING ROTOR PROPAGATION VECTORS

(51) International classification	:A61B5/00,A61B5/042	(71)Name of Applicant:
(31) Priority Document No	:61/820599	1)BOSTON SCIENTIFIC SCIMED INC.
(32) Priority Date	:07/05/2013	Address of Applicant :One Scimed Place Maplegrove
(33) Name of priority country	:U.S.A.	Minnesota 55311 U.S.A.
(86) International Application No	:PCT/US2014/037189	(72)Name of Inventor:
Filing Date	:07/05/2014	1)SHUROS Allan C.
(87) International Publication No	:WO 2014/182842	2)THAKUR Dr. Pramodsingh H.
(61) Patent of Addition to Application	:NA	3)SHOME Dr. Shibaji
Number	:NA	4)MASKARA Barun
Filing Date	.IVA	5)ARCOT KRISHNAMURTHY Shantha
(62) Divisional to Application Number	:NA	6)SAHA Sunipa
Filing Date	:NA	7)LAUGHNER Dr. Jacob

#### (57) Abstract:

A method and system for mapping an anatomical structure includes sensing activation signals of intrinsic physiological activity with a plurality of mapping electrodes disposed in or near the anatomical structure. The activation signals are used to determine a dominant frequency for each electrode from which a wavefront vector for each electrode is determined based on a difference between the dominant frequency at a first electrode location and the dominant frequency at neighboring electrodes. An anatomical map is generated based on the determined wavefront vectors.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BISPECIFIC CONSTRUCTS AND THEIR USE IN THE TREATMENT OF VARIOUS DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:12/05/2014 :WO 2014/180577 :NA	(71)Name of Applicant:  1)NUMAB AG  Address of Applicant: Einsiedlerstrasse 34 CH 8820 Waedenswil Switzerland (72)Name of Inventor:  1)URECH David 2)GUNDE Tea 3)MEYER Sebastian
11	:NA :NA	3)MEYER Sebastian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to bispecific constructs that specifically bind to immune effector cells and simultaneously to IL23R carrying target cells as well as nucleic acids vectors host cells pharmaceutical compositions and methods of production and use thereof including such bispecific constructs for use in treating inflammatory and/or autoimmune diseases and/or cancer.

No. of Pages: 69 No. of Claims: 18

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A LIQUID MIXING COLLECTOR AND A METHOD FOR ITS USE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B01D3/20,B01D3/24 :13177042.2 :18/07/2013 :EPO	(71)Name of Applicant:  1)SULZER CHEMTECH AG  Address of Applicant:Sulzerallee 48 CH 8404 Winterthur Switzerland
(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	:PCT/EP2014/051742 :29/01/2014 :WO 2015/007397 :NA :NA :NA	(72)Name of Inventor: 1)WEHRLI Marc 2)BACHMANN Christian G. 3)BRACK Hans Peter 4)KEHRER Florian

#### (57) Abstract:

A liquid mixing collector 1 is disclosed which comprises a first and a second sump zone 10 20 a first and optionally a second liquid collection region 40 50 a first and a second interspersed set 60 70 of spaced apart liquid collection channels 80 positioned in a first liquid collection region 40; said first set 60 being associated with said first sump zone 10; said second set 70 being associated with said second sump zone 20; wherein adjacent liquid collection channels 80 of the first and second sets 60 70 are vertically displaced from each other in one of at least two to four parallel horizontal planes 100. The present invention also relates to a column comprising said collector 1 the use of said collector 1 in a mass transfer or heat exchange column and a method of collecting and mixing descending liquid in a column.

No. of Pages: 44 No. of Claims: 18

(21) Application No.10296/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NICOTINE LOZENGE FORMULATION

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:1398/DEL/2013	1)GLAXOSMITHKLINE LLC
(32) Priority Date	:10/05/2013	Address of Applicant :2711 Centerville Road Suite 400
(33) Name of priority country	:India	Wilmington DE 19808 U.S.A.
(86) International Application No	:PCT/US2014/037421	(72)Name of Inventor:
Filing Date	:09/05/2014	1)DIPALI Satish Ramchandra
(87) International Publication No	:WO 2014/182983	2)NARANG Sumeet Bindra
(61) Patent of Addition to Application Number	:NA	3)PATHAN Shadab Ahmad
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Aspects of the present invention are directed to a nicotine lozenge for oral administration comprising: a nicotine active; at least one high viscosity water soluble synthetic or semi synthetic non ionic polymer; and at least one low viscosity water soluble synthetic or semi synthetic non ionic polymer. Lozenges of the present invention are more stable and less expensive than traditional lozenges.

No. of Pages: 41 No. of Claims: 46

(21) Application No.10297/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS OF PRODUCTION OF DEHYDROLINALYL ACETATE (II)

(51) International classification	:C07C67/08,C07C69/145	(71)Name of Applicant:
(31) Priority Document No	:13166963.2	1)DSM IP ASSETS B. V.
(32) Priority Date	:08/05/2013	Address of Applicant :Patent Department Het Overloon 1 NL
(33) Name of priority country	:EPO	6411 The Heerlen Netherlands
(86) International Application No	:PCT/EP2014/059376	(72)Name of Inventor:
Filing Date	:07/05/2014	1)BONRATH Werner
(87) International Publication No	:WO 2014/180921	2)AQUINO Fabrice
(61) Patent of Addition to Application	:NA	3)TSCHUMI Johannes
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is related to a novel and improved process for the production of dehydrolinally acetate (DLA) which IUPAC name is acetic acid 1 ethynyl 1 5 dimethyl hex 4 enyl ester starting from dehydrolinalool (DLL) which IUPAC name is 3 7 dimethyloct 6 en 1 yn 3 ol by acetylation.

No. of Pages: 8 No. of Claims: 6

(21) Application No.10298/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS OF PRODUCTION OF DEHYDROLINALYL ACETATE (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> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C67/08 :13166960.8 :08/05/2013 :EPO :PCT/EP2014/059363 :07/05/2014 :WO 2014/180915 :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B. V.  Address of Applicant: Patent Department Het Overloon 1 NL 6411 Heerlen Netherlands (72)Name of Inventor:  1)BONRATH Werner 2)TSCHUMI Johannes 3)AQUINO Fabrice
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## (57) Abstract:

The present invention is related to a novel and improved process for the production of dehydrolinally acetate (DLA) which IUPAC name is acetic acid 1 ethynyl 1 5 dimethyl hex 4 enyl ester starting from dehydrolinalool (DLL) which IUPAC name is 3 7 dimethyloct 6 en 1 yn 3 ol by catalytic acetylation.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FAST CHANNEL SWITCHING IN A MULTIMEDIA BROADCAST SYSTEM

(51) International classification	:H04W4/00	(71)Name of Applicant:
(31) Priority Document No	:60/756,080	1)QUALCOMM INCORPORATED
(32) Priority Date	:04/01/2006	Address of Applicant :5775 Morehouse Drive, San Diego,
(33) Name of priority country	:U.S.A.	California 92121-1714, United States of America U.S.A.
(86) International Application No	:PCT/US2007/060118	(72)Name of Inventor:
Filing Date	:04/01/2007	1)KENT G. WALKER
(87) International Publication No	: NA	2)BRUCE COLLINS
(61) Patent of Addition to Application Number	:NA	3)SHUSHEEL GAUTAM
Filing Date	:NA	
(62) Divisional to Application Number	:5521/DELNP/2008	
Filed on	:25/06/2008	

#### (57) Abstract:

A wireless broadcast system is disclosed. The wireless broadcast system includes a transmitter for broadcasting to a wireless communications device. The transmitter receives a plurality of streams on a logical channel, wherein one of the streams contains signaling. The transmitter arranges the streams such that the stream containing the signaling is broadcast after the other streams on the logical channel. The wireless communications device receives the streams broadcast on a logical channel broadcast in a frame, and acquires the logical channel during the broadcast of the frame in response to a prompt received during the broadcast of the same frame.

No. of Pages: 25 No. of Claims: 41

(22) Date of filing of Application :27/11/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MULTILAYER COATING FORM OF ORALLY ADMINISTERED PHARMACEUTICAL COMPOSITION CONTAINING OMEG-A 3 FATTY ACID OR ALKYL ESTER THEREOF AND STATIN BASED DRUG

(51) International classification	:A61K31/505	(71)Name of Applicant :
(31) Priority Document No	:1020120054351	1)KUHNIL PHARM. CO., LTD.
(32) Priority Date	:22/05/2012	Address of Applicant :33 Georimak- gil, Jiksan- eup, Seobuk -
(33) Name of priority country	:Republic of Korea	gu, Cheonan- si Chungcheongnam- do 331-811 Republic of
(86) International Application No	:PCT/KR2013/004430	Korea
Filing Date	:21/05/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/176455	1)CHO ,Jae- Pyoung
(61) Patent of Addition to Application	:NA	2)LEE ,Pung -Sok
Number		3)LEE, Seul- A
Filing Date	:NA	4)JEONG ,Min- Ho
(62) Divisional to Application Number	:NA	5)LEE ,Mase
Filing Date	:NA	
(57) Alastra et .		1

#### (57) Abstract:

The present invention provides a multilayer coating form (multilayer coated form) of pharmaceutical composition comprising an omega 3 fatty acid or an alkyl ester thereof and a statin based drug. More specifically the present invention provides an orally administered pharmaceutical composition comprising: (a) a gelatin capsule core containing an omega 3 fatty acid or an alkyl ester thereof; (b) a first coating layer formed by coating onto the gelatin capsule core hydroxypropyl methylcellulose and a copolymer comprising a 1:2:1 weight ratio of butyl methacrylate and (2 dimethylaminoethyl) methacrylate and methyl methacrylate; and (c) a second coating layer formed by coating onto the first coating layer a coating solution containing a statin based drug.

No. of Pages: 29 No. of Claims: 14

(21) Application No.10310/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR EXCHANGING VERTICALLY SEGMENTED ROTOR SEGMENTS ON A ROTARY TABLET PRESS

(31) Priority Document No :10.7 (32) Priority Date :16/0 (33) Name of priority country :Ger (86) International Application No :PC' Filing Date :16/0	/05/2013 Add rmany (72)Na /05/2014 (72)Na /05/2014 1)MI O 2014/184354 2)KI A	DRSCH ÂG dress of Applicant :Breitenbachstraße 1 13509 Berlin
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<sup>(57)</sup> Abstract:

The invention relates to a system and a method for exchanging vertically segmented rotor segments (16) on a rotary tablet press (34) said system comprising a rotor (10) consisting of at least two vertically segmented rotor segments (16) a transfer unit (36) and an assembly carriage (38).

No. of Pages: 33 No. of Claims: 14

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SHIFT CONTROL 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 Filing Date</li> <li>(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>	:07/05/2013 :WO 2014/181387 :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)KIM Jonggap 2)ITO Yoshio
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a shift control device for a vehicle equipped with an automatic transmission in which a gear position is set according to data at least including a drive required amount and indicating a travel state. If the drive required amount during travel is equal to or less than a predetermined value set in advance a neutral state is set in which an engagement mechanism that engages in order to set a predetermined gear position in the automatic transmission is disengaged so that power is not transmitted. If the drive required amount exceeds the predetermined value during travel in the neutral state the neutral state is canceled and a target gear position is set according to the drive required amount. At such time a theoretical gear position at which the input rotation speed approaches the input rotation speed of the automatic transmission in the neutral state is calculated on the basis of the shift ratio at gear positions that can be set in the automatic transmission and the vehicle speed at the time of calculating the theoretical gear position. In addition a control for a second shift is started to transition to the target gear position during a first shift taking place between the theoretical gear position and a current gear position that should be set according to data indicating the travel state upon canceling the neutral state.

No. of Pages: 40 No. of Claims: 4

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AMMONIA STORAGE STRUCTURE AND ASSOCIATED 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>	:1353366 :12/04/2013 :France :PCT/EP2014/057445 :11/04/2014 :WO 2014/167125 :NA :NA	(71)Name of Applicant:  1)AAQIUS & AAQIUS SA Address of Applicant :rue du Nant 8 c/o Firel & Mandaco SA CH 1207 GenÃ"ve Switzerland (72)Name of Inventor: 1)DEMENTHON Jean Baptiste
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an ammonia storage structure (7) in particular for the selective catalytic reduction of nitrogen oxides in the exhaust gases of combustion vehicles including at least one storage material in which the ammonia can be stored characterized in that said structure includes at least two different storage portions each storage portion containing a storage material each storage portion being associated with a corresponding heating element such that the two storage portions can be heated differently with a view to releasing the ammonia thereof differently. The invention also relates to an ammonia storage and removal system of a vehicle that includes a storage chamber including such a storage structure. The invention further relates to a selective catalytic reduction system for internal combustion engine exhaust gases including such an ammonia storage system and to a module for feeding ammonia into the exhaust gases.

No. of Pages: 40 No. of Claims: 16

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF MANUFACTURING A COMPOSITE MATERIAL

(51) International classification	:B29C70/52,B29C70/54	(71)Name of Applicant:
(31) Priority Document No	:61/855080	1)NEUVOKAS CORPORATION
(32) Priority Date	:07/05/2013	Address of Applicant :25280 Renaissance Road Calumet MI
(33) Name of priority country	:U.S.A.	49913 U.S.A.
(86) International Application No	:PCT/US2014/037165	(72)Name of Inventor:
Filing Date	:07/05/2014	1)KIILUNEN Erik John
(87) International Publication No	:WO 2014/182825	2)KERANEN Kenneth Brian
(61) Patent of Addition to Application	:NA	3)KERO Matthew Paul
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of manufacturing a structural member includes preheating a plurality of fibers (130) to a first temperature moving the preheated fibers along an assembly line (100) applying a binder to at least one of the preheated fibers providing a die (180) shaped to receive the preheated fibers wherein the die (180) moves together with the preheated fibers along at least a portion of the assembly line (100) maintaining a temperature of the plurality of fibers at a temperature substantially similar to the first temperature and compressing the plurality of fibers within the die while maintaining a temperature.

No. of Pages: 33 No. of Claims: 47

(21) Application No.10323/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: WATER SAVING TOILET

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:61/813355 :18/04/2013 :U.S.A.	(71)Name of Applicant: 1)SIAMP CEDAP Address of Applicant: 4 Quai Antoine 1er MC 98000 Monaco Monaco (72)Name of Inventor:
Filing Date (87) International Publication No	:18/04/2014 :WO 2014/170486	1)PLAS Olivier 2)JALLON Romain
<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)6HZZOIV Romani

#### (57) Abstract:

In a toilet (1) comprising a toilet bowl (2) the water saving system comprises: a first emitter (21) for emitting a first beam having a first wavelength (?1) comprised between 300 and 495 nm a second emitter (22) for emitting a second beam having a second wavelength (?2) comprised between 590 and 900 nm at least one detector (30 31) for receiving said first and second beams the first emitter second emitter and detector(s) being installed on the toilet such that the first beam and second beam pass through the water contained in the toilet bowl before being received by the detector(s); a controller (8) for receiving and processing data from said detector(s) said data representing the waste level in the toilet bowl; a flush volume actuator (10) actuated by said controller for flushing a variable volume of water as a function of said data so as to minimize said volume of water.

No. of Pages: 43 No. of Claims: 47

(21) Application No.10324/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: COMPOSITIONS AND METHODS FOR BIODEGRADING PLASTIC

(51) International classification :C12N9/02,C07C9/22,C07C4/22 (71)Name of Applicant :

(31) Priority Document No :61/810890 (32) Priority Date :11/04/2013

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

(86) International Application No:PCT/IL2014/050332 Filing Date :06/04/2014

(87) International Publication No: WO 2014/167562

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

:NA Number :NA Filing Date

1)B.G NEGEV TECHNOLOGIES LTD.

Address of Applicant: P.O.Box 653 84105 Beer Sheva Israel

(72)Name of Inventor:

1)SIVAN Alex 2)AHARONI Amir 3)PRESS Or

(57) Abstract:

The present invention provides a composition including polyethylene and laccase wherein the laccase has an optimal specific activity at a temperature of  $60\text{Å}^{\circ}\text{C}$  to  $100\text{Å}^{\circ}\text{C}$  and/or in the presence of xylan. Furthermore the invention covers a method for biodegrading/decomposing plastic by contacting laccase with an optimal specific activity at a temperature of  $60\hat{A}^{\circ}C$  to  $100\hat{A}^{\circ}C$  with plastic or contacting a microorganism expressing a laccase with an optimal specific activity at a temperature of 60°C to 100°C with plastic.

No. of Pages: 67 No. of Claims: 22

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COMMUNICATIONS SERVER APPARATUS AND METHODS OF OPERATION THEREOF

(51) International classification :H04M3/42,H04L29/06,G06F15/16

(31) Priority Document No :61/819664 (32) Priority Date :06/05/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/SG2014/000197

No :06/05/2014

Filing Date

(87) International Publication :WO 2014/182243

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)GLOBALROAM PTE LTD

Address of Applicant :10 Ubi Crescent Blk E Ubi Techpark

#05 87 Singapore 408564 Singapore

(72)Name of Inventor:

1)TAN Clarence

2)LOO Peng Leong 3)QADIR Abdul

(57) Abstract:

A communications server apparatus comprises a processor and a memory. The communications server apparatus is configured under control of the processor to execute instructions stored in the memory to receive over a communications channel link information relating to a caller input the caller input being activation of a link in a page by a caller the link being associated with an offer and activation of the link being a request for a voice communication session between the caller and a call recipient about the offer. The communications server apparatus identifies the call recipient using the link information and initiates the voice communication session between a caller device associated with the caller and a recipient device associated with the call recipient. Supplementary information relating to the activation of the link is transmitted to the recipient device.

No. of Pages: 30 No. of Claims: 15

(21) Application No.10326/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: COMBINATION CORN AND SUGAR CANE PROCESSING PLANT AND SYSTEMS AND PROCESSES FOR PRODUCING ALCOHOL THEREAT

(51) International classification :C12P7/06,C12M1/33,C12M1/00 (71)Name of Applicant:

(31) Priority Document No :61/820537 (32) Priority Date :07/05/2013

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

(86) International Application :PCT/US2014/037138

:07/05/2014 Filing Date

(87) International Publication No:WO 2014/182807

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)FLUID OUIP PROCESS TECHNOLOGIES LLC

Address of Applicant: 1940 S. Yellow Springs St. Springfield

OH 45506 U.S.A. (72) Name of Inventor:

1)KWIK John

#### (57) Abstract:

A combination corn and sugar cane processing plant and systems and processes for producing alcohol thereat is disclosed. An existing sugar cane processing plant which can produce sugar and/or alcohol from sugar cane may be retrofitted so as to allow for simultaneous processing of other feedstocks such as corn for alcohol production without significant changes to the existing sugar cane process equipment and line or significant capital investment. Alternatively the combination corn and sugar cane processing plants may be constructed from the ground up if so desired. Such processing plants can separately but simultaneously process front end sugar cane and corn streams which converge to share the same fermentation and/or distillation and back end equipment for alcohol and other optional byproduct production. In one example corn fiber can be removed prior to fermentation so as to allow sugar cane and additional raw materials containing insolubles to be co currently processed.

No. of Pages: 55 No. of Claims: 23

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR ASSESSING HEALTH CONDITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/50,G06F19/00 :NA :NA :NA :NA :PCT/CN2013/075385 :09/05/2013 :WO 2014/179959 :NA :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)LI Rui 2)HUANG Shi 3)HE Tao 4)LIU Jiquan 5)XU Jian
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#### (57) Abstract:

Provided is a method of assessing whether a subject mammal has a target condition comprising a step of formulating a function of abundances of a first group of biomarkers and abundances of a second group of biomarkers that is useful for assessing whether the subject mammal has the target condition. Also provided are a computer aided system for assessing whether a subject mammal has a target condition and a computer readable medium for assessing whether a subject mammal has a target condition.

No. of Pages: 48 No. of Claims: 32

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD OF PRODUCING AROMATICS AND LIGHT OLEFINS FROM A HYDROCARBON **FEEDSTOCK**

(51) International :C10G55/04,C10G67/04,C10G69/14

:NA

classification (31) Priority Document No :13174775.0 (32) Priority Date :02/07/2013

(33) Name of priority country: EPO

(86) International :PCT/EP2014/063854

Application No :30/06/2014 Filing Date

(87) International Publication :WO 2015/000846

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

Filing Date

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

(71)Name of Applicant:

1) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant: P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor: 1)WARD Andrew Mark

2)HOUSMANS Thomas Hubertus Maria

3) OPRINS Arno Johannes Maria

#### (57) Abstract:

The present invention relates to method of producing aromatics and light olefins from a hydrocarbon feedstock comprising the steps of: (a) subjecting the hydrocarbon feedstock to a solvent extraction process in a solvent extraction unit; (b) separating from the solvent extracted hydrocarbon feedstock obtained in step (a) a raffinate fraction comprising paraffins and a fraction comprising aromatics and naphtenes; (c) converting said fraction comprising aromatics and naphtenes in a hydrocracking unit and separating into a high content aromatics fraction and a stream high in light paraffins;; (d) converting said raffinate fraction in a steam cracking unit into light olefins.

No. of Pages: 31 No. of Claims: 18

(21) Application No.10329/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ACCELERATED FLUID MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F03D1/04 :NA :NA :NA :NA :PCT/GB2013/050901 :08/04/2013 :WO 2014/167269 :NA :NA	(71)Name of Applicant: 1)VERA Eudes Address of Applicant:11B Ancona Road London NW10 5YB U.K. (72)Name of Inventor: 1)VERA Eudes
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The Accelerated Fluid Machine is an apparatus capable of generating inexpensively renewable and clean mechanical and/or electrical energy for powering partly or totally a vehicle or a location (home building factory etc.). Therefore it is an economical and effective way to reduce nowadays global warming and high energy costs. Its main components are a fluid acceleration chamber and exhaust and one or more fans placed inside it. It is an aerodynamic device whose operation is based upon the same physical principle of airplane flight. The generated energy comes from a fluid flow that can be created by one or more fans or captured from the environment into the chamber where it is accelerated. The machine produces no pollution and requires no fuel at all as it is driven entirely by the fluid (typically air or water). It can be stationary or mobile if carried by a vehicle.

No. of Pages: 49 No. of Claims: 11

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ONBOARD DEVICE FOR MOUNTING/DISMOUNTING TYRES OF HEAVY GOODS VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/FR2014/050480 :04/03/2014 :WO 2014/181048 :NA :NA	(71)Name of Applicant:  1)GUERNET COMPRESSEURS  Address of Applicant:51 route de Montargis F 89300 Joigny France (72)Name of Inventor:  1)GUERNET Hervé
Filing Date	:NA	

#### (57) Abstract:

The present invention concerns a device (1) for mounting/dismounting tyres installed on board a light utility vehicle said device (1) comprising at least a first chassis (3) an arm (6) articulated to said chassis (3) a mandrel (7) rigidly connected to the free end of said arm (6) and arranged to secure a rim and rotate same about a first substantially horizontal axis of rotation and a tool holder provided with at least one tool said tool holder being telescopic and being capable of moving relative to said arm (6) said device (1) being characterised in that it comprises a heat engine rigidly connected to the first chassis (3) and a hydraulic pump directly coupled to said heat engine and designed to at least indirectly move the arm (6) and the tool holder in order to position the mandrel (7) and the tool in the respective work positions of same and rotate the mandrel (7).

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

(21) Application No.10336/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: ALDEHYDE COMPRISING COMPOUNDS SUITABLE FOR MAKING CURABLE POLYISOCYANATE COMPOSITIONS

(51) International

:C08G18/48,C08G18/76,C08G18/78

classification (31) Priority Document No

:13169074.5

(32) Priority Date

:24/05/2013

(33) Name of priority country: EPO

(86) International Application No

:PCT/EP2014/059527

Filing Date

:09/05/2014

(87) International Publication :WO 2014/187683

(61) Patent of Addition to

**Application Number** 

Filing Date

:NA

Filing Date

:NA

(62) Divisional to **Application Number** 

:NA

:NA

(71) Name of Applicant:

1)HUNTSMAN INTERNATIONAL LLC

Address of Applicant :500 Huntsman Way Salt Lake City

Utah 84108 U.S.A.

(72) Name of Inventor:

1)VERBEKE Hugo

2) VERBEKE Hans Godelieve Guido

3)ESBELIN Christian

## (57) Abstract:

A curable polyisocyanate composition comprising at least one or more polyisocyanate compounds at least one or more trimerization catalyst compounds at least one or more aldehyde compounds wherein the aldehyde compound is selected from compounds with the structure R CHO wherein CHO is an aldehyde group and R is a hydrocarbyl group selected from an alkyl alkenyl or aryl having 1 50 carbon atoms preferably 1 20 carbon atoms and at least one or more compounds selected from compounds which comprise a carboxamide group having the structure CO NH and/or from compounds which comprise a group having the structure CO NH CO.

No. of Pages: 56 No. of Claims: 19

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: A POLYETHYLENE COMPOSITION AND ARTICLES MADE 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>	:C08F210/16 :61/818540 :02/05/2013 :U.S.A. :PCT/US2014/034881 :22/04/2014 :WO 2014/179103 :NA :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland MD 48674 U.S.A. (72)Name of Inventor: 1)KAPUR Mridula 2)DAVIS Mark
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#### (57) Abstract:

A polyethylene composition comprising at least 95 percent by weight of the units derived from ethylene; less than 5 percent by weight of units derived from one or more a olefin comonomers; wherein said polyethylene composition has a density in the range of 0.930 to 0.945 g/cm a molecular weight distribution characterized by the ratio of the z average molecular weight to the weight average molecular weight (Mz/Mw) less than 5 a melt index I (measured at  $190 \hat{A}^{\circ} \text{C} 2.16 \text{ kg}$ ) in the range of 0.08 to 0.5 g/10 minutes and a high flow melt index I (measured at  $190 \hat{A}^{\circ} \text{C} 21.6 \text{ kg}$ ) in the range from 10 to 20 g/10 minutes; and wherein the polyethylene composition is produced utilizing a chromium oxide catalyst is provided

No. of Pages: 25 No. of Claims: 9

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANALYTICAL METHOD FOR DETECTING FUEL MARKERS

(51) International :G01N33/28,G01N30/60,C10L1/00 classification

(31) Priority Document No :61/818506 (32) Priority Date :02/05/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/036492

:02/05/2014 Filing Date

(87) International Publication :WO 2014/179646

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A. 2)NA

(72)Name of Inventor: 1)GRAS Ronda L. 2)LUONG Jim C.

3)SMITH Warren E.

(57) Abstract:

A gas chromatographic method for detecting a marker compound in a fuel by (a) introducing a sample of fuel into a first capillary column coated with a stationary phase based on polydimethylsiloxane and allowing the sample to flow through the first column to produce a first effluent; (b) allowing the first effluent to pass through a detector and identifying a retention time range in it which includes a retention time of the marker compound; (c) introducing only a portion of the first effluent stream which is within the retention time range into a second capillary column coated with either (i) an ionic sorbent or (ii) a polyethylene glycol and allowing said portion to flow through the second capillary column to produce a second effluent stream; and (d) allowing the second effluent to pass through a detector; wherein the marker compound has formula Ar(R)(OR) and is present in the fuel at a level from 0.01 ppm to 100 ppm.

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

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND COMPOSITION FOR TREATING INFLAMMATORY BOWEL DISEASE WITHOUT COLECTOMY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61F2/04,A61F2/00,A61K35/12 :61/809606 :08/04/2013 :U.S.A.	(71)Name of Applicant: 1)ASANA MEDICAL INC. Address of Applicant: 6135 Nw 167 Street Suite E 15 Miami Lakes FL 33015 U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2014/033365 :08/04/2014 :WO 2014/168964	2)UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION (72)Name of Inventor: 1)RAMER Marc 2)BADYLAK Stephen F.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KEANE Timothy
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and compositions for treating diseased or damaged tissue such as Inflammatory Bowel Disease e.g. Ulcerative Colitis include tissue regeneration using stem cells or tissue grafts which stimulate stem cell migration to the damaged tissue. The tissue grafts can be extracellular matrix (ECM) material such as tissue specific extracellular matrix (TS ECM). The methods can also include mucosal resection of the damaged or diseased tissue prior to placement of the graft.

No. of Pages: 27 No. of Claims: 32

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BIOMARKER IDENTIFYING METHOD AND SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G01N33/569 :NA :NA :NA :NA :PCT/CN2013/075406 :09/05/2013 :WO 2014/179965 :NA :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)LI Rui 2)HUANG Shi 3)HE Tao 4)LIU Jiquan 5)XU Jian
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## (57) Abstract:

A method of identifying a biomarker indicative of a subject mammal s condition is provided by designing a retrogression progression model in combination with oral microbial community analysis wherein the condition is selected from presence of the first disease severity of the first disease sensitivity to the first disease and combinations thereof. A computer aided system of identifying a biomarker indicative of a subject mammal s condition is further provided.

No. of Pages: 67 No. of Claims: 21

(21) Application No.10332/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: FILM COMPRISING COPOLYMER OR COMPOSITION

(51) International :C09D143/00,B32B27/28,C09D5/02

classification

(31) Priority Document No :2013083915 (32) Priority Date :12/04/2013 (33) Name of priority country: Japan

(86) International Application: PCT/JP2014/060119

:07/04/2014 Filing Date

(87) International Publication :WO 2014/168123

(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)MITSUI CHEMICALS INC.

Address of Applicant: 5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72) Name of Inventor: 1)OKAZAKI Koju 2)HANAWA Takayuki

3)KUMA Shigetoshi

#### (57) Abstract:

The present invention addresses the problem of providing the following: a film that exhibits an excellent balance of hydrophilicity and resistance to wear exhibits minimal hydrophilicity degradation upon exposure to water and is also highly weather resistant; and a polymer and polymer composition that yield said film. Said film is made from either: a specific copolymer (i) each molecule of which contains a sulfonic acid containing group an epoxy group and a specific alkoxysilyl group; or a composition containing said copolymer (i).

No. of Pages: 169 No. of Claims: 12

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR MANUFACTURING LACTIC ACID GLYCOLIC ACID COPOLYMER AND METHOD FOR MANUFACTURING SALT THEREOF

(51) International :C08G63/90,A61K47/34,C08G63/06

classification (31) Priority Document No :2013082988

(32) Priority Date :11/04/2013

(33) Name of priority :Japan

country

(86) International :PCT/JP2014/060158 Application No

:NA

:08/04/2014 Filing Date

(87) International Publication: WO 2014/168134

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

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

Filing Date

(57) Abstract:

(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)NAGAHARA Kivoteru 2)FUKUIRI Yasushi

3)KAWABATA Tomoyuki

The present invention addresses the problem of manufacturing industrially with a simple method without using special equipment that requires a high shear force a purified lactic acid glycolic acid copolymer preferably a powdered purified lactic acid glycolic acid copolymer in which content of dimers such as residual lactide and glycolide is reduced and of manufacturing industrially and simply a highly purified lactic acid glycolic acid copolymer which has a reduced amount of dimers such as residual lactide and glycolide and lactic acid glycolic acid copolymers with a small molecular weight or a salt thereof and which has a small weight average molecular weight/number average molecular weight ratio (Mw/Mn). The present invention manufactures a purified lactic acid glycolic acid copolymer (A2) or a salt thereof with a method that includes the steps of: (11) dissolving a lactic acid glycolic acid copolymer (A1) that has a lactic acid unit and a glycolic acid unit or a salt thereof in one type or more of an organic solvent (B1) which has a solubility of 1 weight% or more at 25°C to produce a solution of the lactic acid glycolic acid copolymer (A1) or a salt thereof; (12) adding at least one solvent (S1) selected from water and aliphatic alcohol (B2) into the solution of the lactic acid glycolic acid copolymer (A1) or a salt thereof to produce a liquid mixture that includes the lactic acid glycolic acid copolymer (A1) or a salt thereof; (2) adding the liquid mixture produced in the step (12) to a solvent (S2) that includes at least one selected from water and aliphatic alcohol (B2) to precipitate out the purified lactic acid glycolic acid copolymer (A2) or a salt thereof; and (3) collecting the precipitated purified lactic acid glycolic acid copolymer (A2) or a salt thereof.

No. of Pages: 90 No. of Claims: 17

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHOD AND DEVICE FOR OPERATING A PHOTOVOLTAIC POWER PLANT CONNECTED TO A LIMITED ELECTRICITY GRID ALONGSIDE COMBUSTION GENERATORS

(51) International classification	:H02J3/38	(71)Name of Applicant:
(31) Priority Document No	:10 2013 103 894.8	1)SMA SOLAR TECHNOLOGY AG
(32) Priority Date	:17/04/2013	Address of Applicant :Sonnenallee 1 34266 Niestetal Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2014/057595	1)NOTHOLT VERGARA José Antonio
Filing Date	:15/04/2014	2)STANKAT Paul Robert
(87) International Publication No	:WO 2014/170311	3)WACHENFELD Volker
(61) Patent of Addition to Application	:NA	4)ALLERT Claus
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

#### (57) Abstract:

The invention relates to a method for operating a photovoltaic power plant which is connected to a limited electricity grid alongside a grid forming source at least one combustion generator which is activated or deactivated on demand by a generator control and at least one load in order to reduce a fuel consumption of all combustion generators by supplying power from the photovoltaic power plant wherein a reserve power () currently available in the electricity grid is determined wherein only activated fuel generators are considered and if the determined reserve power (Res) falls short of a minimum reserve power (Res min) the supply of power from the photovoltaic power plant (Poutpv) is reduced until the at least one or an additional combustion generator is activated by the generator control.

No. of Pages: 31 No. of Claims: 11

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING CARBAMIDE

		(71)Name of Applicant:
		1)OTKRYTOE AKTSIONERNOE OBSCHESTVO
(51) International classification	:C07C273/04	RESEARCH & DESIGN INSTITUTE OF UREA AND
(31) Priority Document No	:2013122512	ORGANIC SYNTHESIS PRODUCTS (OAO NIIK)
(32) Priority Date	:15/05/2013	Address of Applicant :ul. Griboedova 31 Dzerzhinsk Nizhny
(33) Name of priority country	:Russia	Novgorodskaya obl. 606008 Russia
(86) International Application No	:PCT/RU2014/000329	(72)Name of Inventor:
Filing Date	:07/05/2014	1)SERGEEV Yury Andreevich
(87) International Publication No	:WO 2014/185819	2)ANDERZHANOV Rinat Venerovich
(61) Patent of Addition to Application	.NI A	3)VOROBYEV Aleksandr Andreevich
Number	:NA	4)SOLDATOV Alexei Vladimirovich
Filing Date	:NA	5)LOBANOV Nikolai Valeryevich
(62) Divisional to Application Number	:NA	6)PROKOPYEV Aleksandr Alekseevich
Filing Date	:NA	7)KUZNETSOV Nikolai Mikhailovich
-		8)KOSTIN Oleg Nikolaevich
		9)ESIN Igor Veniaminovich

#### (57) Abstract:

Carbamide is produced from ammonia and carbon dioxide under an increased temperature and pressure and with a molar ratio of NH:CO=(3.4 3.7):1 in a carbamide synthesis reactor. Gases and a liquid carbamide synthesis melt are discharged separately from the carbamide synthesis reactor. Excess ammonia is separated off from the carbamide synthesis melt by separation under a pressure of 9 12 MPa and a subsequent two stage distillation of the melt wherein the first distillation stage is carried out under a pressure of 9 12 MPa in a stream of ?? (35 40% of the total quantity thereof introducible into the process) and the second distillation stage is carried out under a low pressure. The gases from the distillation are condensed forming recirculatable ammonium carbonate solutions (AC) wherein the gases of the first distillation stage are condensed in two subsequent zones at the pressure of the first distillation stage. In the first zone condensation is carried out with a portion of the ammonium carbonate solution which is produced on condensation of the gases from the second distillation stage being introduced and the condensing vapours are cooled with the condensate which boils under a positive pressure so as to produce a vapour. 75 85% of the gases separated off at the separation stage are introduced into the first zone of condensation of the gases from the first distillation stage and the remaining quantity of gases separated off at the separation stage are conducted together with the gases out of the synthesis reactor and into the second zone of condensation of the gases from the first distillation stage. In the second zone of condensation of the gases from the first distillation stage the condensing vapours are cooled by return water. The ammonium carbonate solution emerging from the second zone of condensation is directed into the reactor. Gases which are not condensed in the second zone are scrubbed under the same pressure by another portion of the ammonium carbonate solution produced on condensation of the gases from the second distillation stage and the resulting ammonium carbonate solution is introduced into the second zone of condensation. The technical result is the production in the first zone of condensation of the gases from the first distillation stage of a vapour with parameters ensuring the use of said vapour in subsequent stages of the carbamide production process.

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

(22) Date of filing of Application :09/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANTI ANGIOGENESIS COMPOUND INTERMEDIATE AND USE THEREOF

(51) International :C07D401/12,C07D471/04,C07D487/04 classification

(31) Priority Document

:201310122138.4

(32) Priority Date (33) Name of priority

:09/04/2013 :China

country

(86) International

Application No Filing Date :PCT/CN2014/074977 :09/04/2014

(87) International Publication No

:WO 2014/166386

:NA

:NA

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

:NA Filing Date (62) Divisional to

Application Number

Filing Date

(71)Name of Applicant:

1)GUANGZHOU KANG RUI BIOLOGICAL PHARMACEUTICAL TECHNOLOGY CO. LTD.

Address of Applicant :Room 516 Building F 3 Lanyue Road Guangzhou International Business Incubator Science Park

Guangzhou Guangdong 510663 China

2)NA

(72)Name of Inventor:

1)HOU Rui

2)LUO Hongrong

#### (57) Abstract:

Disclosed are an anti abnormal proliferation of angiogenesis compound represented by formula I use and intermediate thereof. The compound has good effect against abnormal proliferation of angiogenesis and the activity of the compound is produced by inhibiting VEGFR2. The compound can be used for treating diseases such as wet macular degeneration inflammation malignant tumor and the like caused by abnormity of angiogenesis and protein kinases such as VEGFR2 FGFR2 and the like.

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

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS AND INSTALLATION FOR THE CONVERSION OF CRUDE OIL TO PETROCHEMICALS HAVING AN IMPROVED ETHYLENE YIELD

(51) International

:C10G67/04,C10G45/00,C10G45/58 classification

(31) Priority Document No :13174762.8 (32) Priority Date :02/07/2013

(33) Name of priority country: EPO

(86) International :PCT/EP2014/063857

Application No :30/06/2014 Filing Date

(87) International Publication :WO 2015/000849

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

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

:NA

:NA

:NA

(71)Name of Applicant:

1) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant : P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor: 1)WARD Andrew Mark

2)NARAYANASWAMY Ravichander 3) OPRINS Arno Johannes Maria

4)RAJAGOPALAN Vijayanand

5)SCHAERLAECKENS Egidius Jacoba Maria

6) VELASCO PELAEZ Raul

## (57) Abstract:

The present invention relates to an integrated process to convert crude oil into petrochemical products comprising crude oil distillation dearomatization ring opening and olefins synthesis which process comprises subjecting a hydrocarbon feed to dearomatization to produce a first stream enriched in aromatic hydrocarbons and naphthenic hydrocarbons and a second stream enriched in alkanes; subjecting a stream enriched in aromatic hydrocarbons and naphthenic hydrocarbons to ring opening to produce alkanes; and subjecting refinery unit derived alkanes produced in the process to olefins synthesis. Furthermore the present invention relates to a process installation to convert crude oil into petrochemical products comprising a crude distillation unit comprising an inlet for crude oil and at least one outlet for one or more of naphtha kerosene and gasoil; a dearomatization unit comprising an inlet for a hydrocarbon feed to dearomatization an outlet for a stream enriched in aromatic hydrocarbons and naphthenic hydrocarbons and a second stream enriched in alkanes; a ring opening unit comprising an inlet for aromatics and naphthenes produced by dearomatization and an outlet for alkanes; a unit for olefins synthesis comprising an inlet for alkanes and an outlet for olefins. The hydrocarbon feed subjected to dearomatization comprises one or more of naphtha kerosene and gasoil produced by crude oil distillation in the process; and refinery unit derived light distillate and/or refinery unit derived middle distillate produced in the process. The process and the process installation of the present invention have an increased production of petrochemicals at the expense of the production of fuels and an improved ethylene yield.

No. of Pages: 37 No. of Claims: 14

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: PROCESS AND INSTALLATION FOR THE CONVERSION OF CRUDE OIL TO PETROCHEMICALS HAVING AN IMPROVED CARBON EFFICIENCY

(51) International :C10G45/00,C10G9/36,C10G69/06

classification (31) Priority Document No :13174759.4

(32) Priority Date :02/07/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/063856

No :30/06/2014 Filing Date

(87) International Publication :WO 2015/000848

(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) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant: P.O. Box 5101 Riyadh 11422 Saudi

2)SABIC GLOBAL TECHNOLOGIES B.V.

(72)Name of Inventor: 1)WARD Andrew Mark

2)NARAYANASWAMY Ravichander 3) OPRINS Arno Johannes Maria

4)RAJAGOPALAN Vijayanand

5)SCHAERLAECKENS Egidius Jacoba Maria

6) VELASCO PELAEZ Raul

## (57) Abstract:

The present invention relates to an integrated process to convert crude oil into petrochemical products comprising crude oil distillation hydrocracking and olefins synthesis which process comprises subjecting a hydrocracker feed to hydrocracking to produce LPG and BTX and subjecting the LPG produced in the process to olefins synthesis. Furthermore the present invention relates to a process installation to convert crude oil into petrochemical products comprising: a crude distillation unit comprising an inlet for crude oil and at least one outlet for one or more of naphtha kerosene and gasoil; a hydrocracker comprising an inlet for a hydrocracker feed an outlet for LPG and an outlet for BTX; and a unit for olefins synthesis comprising an inlet for LPG produced by the integrated petrochemical process installation and an outlet for olefins. The hydrocracker feed used in the process and the process installation of the present invention comprises one or more of naphtha kerosene and gasoil produced by crude oil distillation in the process; and refinery unit derived light distillate and/or refinery unit derived middle distillate produced in the process. The process and process installation of the present invention have an increased production of petrochemicals at the expense of the production of fuels and an improved carbon efficiency in terms of the conversion of crude oils into petrochemicals.

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

(21) Application No.10340/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HOLDER FOR A GUIDE SHOE OF A CLIMBING SYSTEM FOR CONCRETE FORMWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:21/03/2014 :WO 2014/166720 :NA	(71)Name of Applicant:  1)MEVA SCHALUNGSSYSTEME GMBH Address of Applicant: Industriestraße 5 72221 Haiterbach Germany (72)Name of Inventor: 1)DINGLER Gerhard
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a holder (1) for a guide shoe (14) of a climbing system for concrete formwork having a hold down (2) which can be fastened to a floor and a slide part (3) which is movably guided in the hold down (2) such as in the form of a support arm. According to the invention the holder (1) is designed having a self locking drive such as a screw drive (10) for moving the slide part (3) which secures the slide part (3) against unintentional movement.

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

(21) Application No.10341/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : VEHICLE DRIVING FORCE CONTROL UNIT CONTROL SYSTEM AND METHOD AND VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:26/03/2014 :WO 2014/180193 :NA	(71)Name of Applicant:  1)BOSCH AUTOMOTIVE PRODUCTS (SUZHOU) CO. LTD.  Address of Applicant: 126 Su Hong Xi Road Suzhou Industrial Park Suzhou Jiangsu 215021 China (72)Name of Inventor:  1)ZHAN Kang
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A vehicle driving force control unit a control system and method and a vehicle. The control unit (13) has an input end connected to a driving force request unit (10) and a driver detection unit (11) and an output end connected to a driving unit (12). The control unit (13) controls a driving force according to signals from the driving force request unit (10) and the driver detection unit (11). When a driver sits on the seat the driving force is controlled according to a requirement of the signal of the driving force request unit (10); and when the driver does not sit on the seat a vehicle is made to run within a limitative speed range which not only can provide a certain driving force to the vehicle to help the driver push the vehicle but also can effectively prevent an accident potential.

No. of Pages: 15 No. of Claims: 12

(21) Application No.10342/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

(54) Title of the invention: HDPE

(51) International classification	:C08L23/06,C08L23/08	(71)Name of Applicant :
(31) Priority Document No	:13167191.9	1)BOREALIS AG
(32) Priority Date	:09/05/2013	Address of Applicant :IZD Tower Wagramerstrasse 17 19 A
(33) Name of priority country	:EPO	1220 Vienna Austria
(86) International Application No	:PCT/EP2014/059579	2)ABU DHABI POLYMERS COMPANY LIMITED
Filing Date	:09/05/2014	(BOROUGE) L.L.C.
(87) International Publication No	:WO 2014/180989	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)BURYAK Andrey
Number	:NA	2)REIN Christian
Filing Date	.NA	3)MONNISSEN Luc
(62) Divisional to Application Number	:NA	4)JOHNSEN Geir Kristian
Filing Date	:NA	5)CHENG Joy

## (57) Abstract:

A multimodal polyethylene polymer having an MFR of 0.05 to 10.0 g/10min a density of 940 kg/m or more a tensile modulus of 900 MPa or more wherein Formula (I).

No. of Pages: 36 No. of Claims: 16

(21) Application No.10343/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: A COMPREHENSIVE TIRE PRESSURE MAINTENANCE 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>	:09/05/2014 :WO 2014/182979 :NA :NA	(71)Name of Applicant:  1)MATLOW Mell Address of Applicant: 238 Ayerigg Ave. Apt. K Passaic NJ 07055 U.S.A. (72)Name of Inventor: 1)MATLOW Mell
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

A comprehensive tire pressure maintenance system for use with motor vehicles that includes a TPMS with an externally mounted battery a tubular battery configured for deployment on a valve stem configured to accommodate said deployment of said tubular battery a self inflating pressure optimizing tire arrangement and a self inflating run flat tire arrangement and a wireless tire pressure gauge.

No. of Pages: 37 No. of Claims: 14

(21) Application No.10344/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FORMULATIONS OF OXABICYCLOHEPTANES AND OXABICYCLOHEPTENES

(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	:A61K31/34,A61K31/4525,A01N43/90 :61/810053 :09/04/2013 :U.S.A. :PCT/US2014/033317 :08/04/2014 :WO 2014/168941 :NA	(71)Name of Applicant:  1)LIXTE BIOTECHNOLOGY INC.  Address of Applicant: 248 Route 25A No. 2 East Setauket NY 11733 U.S.A. (72)Name of Inventor:  1)KOVACH John S.  2)WELLS Mickey L.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates to a pharmaceutical composition comprising a protein phosphatase 2A (PP2A) inhibitor and monosodium glutamate.

No. of Pages: 100 No. of Claims: 133

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR FEEDING ELECTRIC POWER INTO AN ELECTRIC POWER SUPPLY SYSTEM

(51) International classification :H02J3/38,F03D7/04,H02J3/48 (71)Name of Applicant :

(31) Priority Document No :10 2013 208 410.2

(32) Priority Date :07/05/2013 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2014/058731

Filing Date :29/04/2014

(87) International Publication No :WO 2014/180717

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

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

1)WOBBEN PROPERTIES GMBH

Address of Applicant: Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor: 1)BEEKMANN Alfred

2)BUSKER Kai

#### (57) Abstract:

The invention relates to a method for feeding electric power from at least one wind energy installation (100) or a wind farm (112) into an electric power supply system (120) at a mains voltage (U) and a mains frequency (F) wherein the method is prepared for feeding in electric active power (P) and electric reactive power (Q) and the active power (P) that is fed in can be set by means of an active power controller (R R) on the basis of a system state (U f) and/or the reactive power (Q) that is fed in can be set by means of a reactive power controller on the basis of at least one system state (U f) and the active power controller (R R) and the reactive power controller prescribe a setpoint value that is to be fed in that is set in each case by means of a setting function (F) on the basis of at least one system state (U f) wherein the setting function (F) is prescribed by using sampling points (ST ST) that are defined by pairs of values ([Pi fi]) comprising in each case a value for the active power (P) or reactive power (Q) and a value for the system state (U f).

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

(21) Application No.10370/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: GLOSS DEGREE ADJUSTMENT OF PLASTICS SUBSTRATES HAVING A METALLIC FINISH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:B05D5/00,C23C14/00,C09D5/28 :10 2013 007 926.8 :10/05/2013 :Germany :PCT/EP2014/001092 :24/04/2014	(71)Name of Applicant:  1)OERLIKON TRADING AG, TRÜBBACH Address of Applicant: Hauptstrasse 53 CH 9477 Trù¼bbach Switzerland (72)Name of Inventor: 1)SCHAEFFER Rù¼diger 2)ROSEZIN Marc
(87) International Publication	:WO 2014/180537	3)WEHRLE Johannes
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a method for producing a component having a predetermined gloss degree said method comprising the following steps: providing a component having a metallic surface producing a dull gloss mixture by mixing gloss varnish and dull varnish in a defined mixing ratio applying the dull gloss mixture to the metallic surface of the component and crosslinking the dull gloss mixture.

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

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MOBILE TRANSPORTING MEANS

(51) International classification	:B62B3/18,B62B3/14	(71)Name of Applicant:
(31) Priority Document No	:DE 20 2013 004 429.2	1)EBERLEIN. Martin Address of Applicant :Ziegeleiweg 5 89358 Kammeltal
(32) Priority Date	:11/05/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/DE2014/000237	1)EBERLEIN. Martin
Filing Date	:08/05/2014	
(87) International Publication No	:WO 2014/183737	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A manually movable transporting means (1) that is nestable with identical transporting means has a chassis (2) equipped with longitudinal members (3) said chassis carrying a loading and/or nesting device (11) which is mounted on the chassis (2) so as to be movable about respective horizontal axes (13) and rests on at least one support (15). A supporting element (22) is provided at the front end of the loading and/or nesting device (11) and at least one inclined deflector surface (24) is arranged in the rear region (9) of the transporting means (1) said deflector surface (24) dropping obliquely towards the rear and being designed to receive the supporting element (22) of a further identical transporting means (1) driven onto said surface which means can be pushed into a transporting means (1) located in front. At least one clearance (20) is formed next to each support (15) wherein as viewed in the horizontal view of the transporting means (1) and in the longitudinal direction thereof each deflector surface (24) is pictured as being located in a clearance (20). When two transporting means (1) are nested each deflector surface (24) of one transporting means (1) uses or takes up the clearance assigned to the deflector surface (24) of the other transporting means (1).

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

(21) Application No.10372/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: WATER ANCHORS

(51) International classification :B63B21/46,B63B2 (31) Priority Document No :1306525.5 (32) Priority Date :10/04/2013 :U.K.

(86) International Application No :PCT/GB2014/051117 Filing Date :10/04/2014

(87) International Publication No :WO 2014/167334

(61) Patent of Addition to Application
Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA
:NA
:NA

:B63B21/46,B63B21/34 (71)**Name of Applicant :** :1306525.5 **1)DIVEMEX LIMITED** 

Address of Applicant : Abertawe House Ystrad Road

Fforestfach Swansea SA5 4JB U.K.

(72)Name of Inventor: 1)DAVID, Beattie

### (57) Abstract:

Anchor apparatus (1) including an anchor (2) and a slideable anchor bridle (3) the anchor having a lower part or body portion with oppositely disposed anchoring formations (6a 6b) extending therefrom and an upper part including bridle attachment means in the form of at least two parallel bridle rails extending above and between the oppositely disposed anchoring formations (7 8) limbs (4 5) of the anchor bridle being slideably attached in use to respective bridle rails (7 8) the arrangement being such that when deployed the anchor can be pulled in one direction whereby to permit one of the oppositely disposed anchoring formations to penetrate the sea bed and whereafter if and when the anchor is pulled in the opposite direction after the bridle limbs have slid along the bridle rails the other of the oppositely disposed anchoring formations also penetrates the seabed whereafter the anchor can continue to be pulled in successively alternate directions via the bridle to penetrate progressively further into the sea bed until firmly fixed therein.

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

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HOST RECOVERY USING A SECURE STORE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11/04/2014 :WO 2014/172205 :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC. Address of Applicant: P.O. Box 8102 Reno Nevada 89507 U.S.A. (72)Name of Inventor: 1)POTLAPALLY Nachiketh Rao 2)CHAWLA Rachit 3)VOLKMAN Jeremy Ryan 4)MARR Michael David
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Approaches are described for enabling a host computing device to store credentials and other security information useful for recovering the state of the host computing device in a secure store such as a trusted platform module (TPM) on the host computing device. When recovering the host computing device in the event of a failure (e.g. power outage network failure etc.) the host computing device can obtain the necessary credentials from the secure store and use those credentials to boot various services restore the state of the host and perform various other functions. In addition the secure store (e.g. TPM) may provide boot firmware measurement and remote attestation of the host computing devices to other devices on a network such as when the recovering host needs to communicate with the other devices on the network.

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

(21) Application No.10354/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PLASMA PERFORATION

(51) International classification	:A24C5/00,B23K10/00	(71)Name of Applicant :
(31) Priority Document No	:A 50268/2013	1)TANNPAPIER GMBH
(32) Priority Date	:19/04/2013	Address of Applicant :Johann Roithner Straße 131 A 4050
(33) Name of priority country	:Austria	Traun Austria
(86) International Application No	:PCT/AT2014/050096	(72)Name of Inventor:
Filing Date	:17/04/2014	1)LINDNER Michael
(87) International Publication No	:WO 2014/169313	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method and device for the plasma perforation of tipping paper (4) wherein a low temperature plasma (3) is generated on the surface of the tipping paper (4) by briefly ionizing a gas mixture using an energy source that is as close in form to a point as possible wherein the ionizable gas mixture is locally restricted to a very small surface region of the tipping paper (4).

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

(22) Date of filing of Application :07/11/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: CORNER PIECE FOR FORMING A CORNER OF A CONTAINER CONTAINER PROVIDED WITH SUCH CORNER PIECE AND GRIPPER ARM AND GRIPPER WHICH CAN COOPERATE WITH SUCH CORNER PIECES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:BE201300255 :09/04/2013 :Belgium :PCT/IB2014/060517 :08/04/2014 :WO 2014/167489 :NA :NA	(71)Name of Applicant: 1)VANCAMPEN, Tim Address of Applicant:Schuttershof 25, B-2590 Berlaar (BE). Belgium (72)Name of Inventor: 1)VANCAMPEN, Tim
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Corner piece (1) for forming a corner (2) of a container (3) with a hold (32 50) which can be grabbed by external gripping means (45 51) stacking means (14) in the shape of a solid protrusion (14) and coupling means (15) which can be activated and deactivated and which comprise a movable coupling element (16) which can be moved between an activated position and a deactivated position as well as an activator mechanism (18) for activating and deactivating the coupling means (15) which activator mechanism (18) can be coupled to external driving means (46).

No. of Pages: 42 No. of Claims: 19

(22) Date of filing of Application :07/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR VARIABLE THRESHOLD SENSOR

(51) International classification	:G08B1/08	(71)Name of Applicant:
(31) Priority Document No	:11/145,880	1)KATES, Lawrence
(32) Priority Date	:06/06/2005	Address of Applicant:1111 Bayside Drive, Corona Del Mar,
(33) Name of priority country	:U.S.A.	CA 92625, U.S.A. U.S.A.
(86) International Application No	:PCT/US2006/017473	(72)Name of Inventor:
Filing Date	:05/05/2006	1)KATES, Lawrence
(87) International Publication No	:WO2006/132745	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:9229/DELNP/2007	
Filed on	:29/11/2007	

## (57) Abstract:

A sensor system that provides an adjustable threshold level for the sensed quantity is described. The adjustable threshold allows the sensor to adjust to ambient conditions, aging of components, and other operational variations while still providing a relatively sensitive detection capability for hazardous conditions. The adjustable threshold sensor can operate for extended periods without maintenance or recalibration. In one embodiment, the sensor is self-calibrating and runs through a calibration sequence at startup or at periodic intervals. In one embodiment, the adjustable threshold sensor is used in an intelligent sensor system that includes one or more intelligent sensor units and a base unit that can communicate with the sensor units. When one or more of the sensor units detects an anomalous condition (e.g., smoke, fire, water, etc.) the sensor unit communicates with the base unit and provides data regarding the anomalous condition. The base unit can contact a supervisor or other responsible person by a plurality of techniques, such as, telephone, pager, cellular telephone, Internet (and/or local area network), etc. In one embodiment, one or more wireless repeaters are used between the sensor units and the base unit to extend the range of the system and to allow the base unit to communicate with a larger number of sensors.

No. of Pages: 47 No. of Claims: 30

(22) Date of filing of Application :07/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING A REINFORCEMENT ROD

(31) Priority Document No :A 50338/2013
(32) Priority Date :17/05/2013
(33) Name of priority country :Austria

(33) Name of priority country :Austria (86) International Application

No :15/05/2014 :PCT/AT2014/050119 :15/05/2014

(87) International Publication :WO 2014/183146

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

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

(51) International classification: B29C70/50,B29C70/52,C08J3/24 (71)Name of Applicant:

1)ASAMER BASALTIC FIBERS GMBH

Address of Applicant: Unterthalhamstrasse 2, A-4694

Ohlsdorf (AT). Austria (72)Name of Inventor:

1)SCHINKINGER Thomas

### (57) Abstract:

The invention relates to a method for producing a reinforcement rod (2) from a fibrous composite material consisting of continuous mineral fibres (5 23 35) and at least one resin (7 25) at least one portion of the mineral fibres (5 23) being mixed with a resin curing agent mixture the mineral fibres (5 23) that have been mixed with said resin curing agent mixture and if appropriate resin free mineral fibres (35) subsequently being brought together to form a rod and the resin (7 25) being cured. A mixture consisting of at least one resin (7 25) and at least two different curing agents is used as said resin curing agent mixture the two curing agents forming reactive species under different conditions for curing the resin (7 25) such that these reactive species are available at different times for the curing process.

No. of Pages: 38 No. of Claims: 9

(21) Application No.10384/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "A VACCINE COMPOSITION"

(51) International classification	:A61K9/127	(71)Name of Applicant:
(31) Priority Document No	:61/015,718	1)ZOETIS LLC
(32) Priority Date	:21/12/2007	Address of Applicant :100 Campus Drive, Florhan Park, New
(33) Name of priority country	:U.S.A.	Jersey 07932, USA U.S.A.
(86) International Application No	:PCT/IB2008/003369	(72)Name of Inventor:
Filing Date	:04/12/2008	1)MARK DAVID GOODYEAR
(87) International Publication No	: NA	2)MICHAEL JOHN HUETHER
(61) Patent of Addition to Application	:NA	3)RICHARD LEE KREBS
Number	:NA	4)NANCEE L. OIEN
Filing Date	.IVA	
(62) Divisional to Application Number	:3895/DELNP/2010	
Filed on	:02/06/2010	

#### (57) Abstract:

A vaccine comprising: c. an emulsion, d. a heat treated bacterin comprising a suspension of killed bacteria, wherein the killed bacteria are: i) Leptospira Bratislava and ii) 1 to 6 bacteria species selected from the group consisting of Leptospira canicola, Leptospiru ictemhaenlorrl~agiae, Leptospira grippotyphosa, Leptospira hardjo, Leptospira Potttona and Eiysipelothris rhrrsiopathieae, and d. 1 to 13 porcine disease causing viruses selected from the group consisting of Porcine Adenovirus, Porcine Circovirus, Porcine herpes viruses, Pseudorabies virus, Classical swine fever virus, Porcine epidemic diarrhea virus, Porcine hemaglutinating encephalomyletitis virus, Porcine parvovirus, Porcine Respiratory Corona virus, Porcine Reproductive and Respiratory Virus, Swine Influenza, Transmissible gastroenteritis virus, and Vesicular stomatitis virus, wherein the heat treated bacterin has a lipase activity of 50% or less than the lipase activity of the bacterin before the heat treatment and wherein the heat treated bacterin has an acceptable antigenic activity, and wherein the heat treatment comprises heating for 5 to 10 hours at a temperature of 60 to 70 OC.

No. of Pages: 19 No. of Claims: 3

(21) Application No.10385/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : IMPLANT AND METHOD OF PRODUCING AN IMPLANT BY DECELLULARISING AN TISSUE BY PERFUSION UNDER NEGATIVE PRESSURE

(51) International classification	·A61L27/36 C12M3/00	(71)Name of Applicant :
(31) Priority Document No	:1310773.5	1)VIDEREGEN LIMITED
(32) Priority Date	:17/06/2013	Address of Applicant :Innovation Centre 1 Liverpool Science
(33) Name of priority country	:U.K.	Park 131 Mount Pleasant Liverpool L3 5TF U.K.
(86) International Application No	:PCT/GB2014/051845	(72)Name of Inventor:
Filing Date	:16/06/2014	1)ANSARI Tahera Iqbal
(87) International Publication No	:WO 2014/202958	2)SIBBONS Paul David
(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 provides a method for producing an implant from interstitial connective or supporting tissue the method comprising at least one step of perfusing the tissue with at least one decellularisation medium under negative pressure applied for substantially the whole time period of the perfusion.

No. of Pages: 50 No. of Claims: 34

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM FOR DETERMINING FEED CONSUMPTION OF AT LEAST ONE ANIMAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A01K5/02,A01K29/00 :PA 2013 70195 :10/04/2013 :Denmark :PCT/DK2014/050087 :10/04/2014 :WO 2014/166498 :NA :NA	(71)Name of Applicant:  1)VIKING GENETICS FMBA  Address of Applicant: Ebeltoftvej 16 Drastrup DK 8960  Randers SÃ* Denmark  (72)Name of Inventor:  1)BORCHERSEN SÃ, ren  2)NA  3)NA
(61) Patent of Addition to Application	:NA	,
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention regards an animal monitoring system for determining feed consumption of one or more animals feeding at a feeding area comprising an imaging unit for range imaging the feeding area identification means configured to uniquely identify each feeding animal and processing means configured for assessing the amount of feed consumed by each identified animal by determining the reduction of feed in subsequent images of the feeding area in front of each identified animal.

No. of Pages: 22 No. of Claims: 34

(21) Application No.10387/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: MAGNETIC DRIVE SYSTEM AND METHOD

(51) International :F16H49/00,H02K7/06,H02K49/10 classification

(31) Priority Document No :61/822714 (32) Priority Date :13/05/2013

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

(86) International Application :PCT/US2014/037873

:13/05/2014 Filing Date

(87) International Publication

:WO 2014/186375

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1) GARDNER James Joseph

Address of Applicant: 700 East Fifth Avenue Lancaster OH

43130 U.S.A.

(72) Name of Inventor:

1)GARDNER James Joseph

## (57) Abstract:

A magnetic coupling device for communicating continuous rotational or linear motion through a magnetic coupling of magnetic forces communicated from magnets operatively positioned on an oscillation assembly and a rotation assembly in positions sufficiently proximate to form the magnetic coupling. Employed to communicate an output force in a rotational direction from an input linear force communicated from a powered oscillation assembly the magnetic force of the magnet communicating the force compresses the volume of ellipsoidal like magnetic fields of the coupling alternately in unlike polar domains to induce a smooth blended polar continuity and communicate a continuous 360 degree rotational force to a rotation assembly operatively engaged with the magnetic coupling. The input force may be reversed to induce a continuous linear motion of a reciprocating assembly.

No. of Pages: 38 No. of Claims: 18

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DISTRIBUTED LOAD BALANCER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:16/04/2014 :WO 2014/172500 :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC. Address of Applicant: P.O. Box 8102 Reno Nevada 89507 U.S.A. (72)Name of Inventor: 1)SORENSON James Christopher III 2)LAURENCE Douglas Stewart 3)SRINIVASAN Venkatraghavan 4)VAIDYA Akshay Suhas 5)ZHANG Fan
(62) Divisional to Application Number Filing Date	:NA :NA	C)ZZZZZ (G Z dz.

## (57) Abstract:

A distributed load balancer in which a router receives packets from at least one client and routes packet flows to multiple load balancer (LB) nodes according to a per flow hashed multipath routing technique. For a given packet flow the LB nodes randomly select a server node as a target for the packet flow from among multiple server nodes and send a connection request to the server node. A load balancer module on the server node makes the decision on whether to accept or reject the connection based on one or more metrics indicating a respective server s current load. If the module accepts the connection request a connection is established between the server and the client. Otherwise the load balancer nodes may select another server node and try again. The connections established between clients and servers pass through the load balancer nodes but are not terminated at the load balancer nodes.

No. of Pages: 122 No. of Claims: 15

(21) Application No.10313/DELNP/2015 A

1)BP CORPORATION NORTH AMERICA INC.

Address of Applicant :501 Westlake Park Boulevard Houston

(19) INDIA

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

(43) Publication Date: 05/02/2016

(71)Name of Applicant:

(72)Name of Inventor:

2)LANE Nathan

3)TOMS Julianna

1)FREDRICH Joanne

TX 77079 U.S.A.

## (54) Title of the invention: IMAGE BASED DIRECT NUMERICAL SIMULATION OF PETROPHYSICAL PROPERTIES UNDER SIMULATED STRESS AND STRAIN CONDITIONS

(51) International

:G01N23/04,G06T7/00,G01N33/24

classification

:61/862885

(31) Priority Document No

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

:06/08/2013

(86) International Application

:PCT/US2014/049981

No

:06/08/2014

Filing Date

(87) International Publication

:WO 2015/021182

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

Filing Date

(62) Divisional to Application

Number

:NA

:NA

:NA

Filing Date

# (57) Abstract:

A testing system for performing image based direct numerical simulation to characterize petrophysical properties of a rock sample under the simulated deformation condition for example as representative of subsurface conditions. A digital image volume corresponding to x ray tomographic images of a rock sample is segmented into its significant elastic phases such as pore space clay fraction grain contacts and mineral type and overlaid with an unstructured finite element mesh. A simulated deformation is applied to the segmented image volume and the resulting deformed unstructured mesh is numerically analyzed for example by way of direct numerical simulation to determine the desired petrophysical properties.

No. of Pages: 57 No. of Claims: 28

(21) Application No.10314/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: CATHODE ELECTROCHEMICAL CELL AND ITS USE

(51) International :C25B11/03,C02F1/461,C02F1/463 classification

(31) Priority Document No :13167470.7 (32) Priority Date :13/05/2013

(33) Name of priority country: EPO

(86) International Application

:PCT/EP2014/059548

:09/05/2014 Filing Date

(87) International Publication

:WO 2014/184106

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)HÃ-GANÃ,,S AB (PUBL)

Address of Applicant: Bruksgatan 35 S 263 83 Höganäs

Sweden

(72) Name of Inventor: 1)TANDUKAR Madan

2)UNGER Kyle 3)ENDLER Paul

# (57) Abstract:

The present invention relates to an electrochemical cell containing a sacrificial electrode suitable for electrocoagulation as well as an electrocoagulation process for removing various pollutants from water or wastewater by the use of the electrochemical cell. The present invention also concerns the sacrificial electrode per se. Several electrochemical cells according to the invention can be coupled to an electrochemical cell assembly. Certain aspects and embodiments of the invention are especially suitable for reduction of fluoride or fluoride in combination with heavy metals such as hexavalent chromium or arsenic.

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

(21) Application No.10315/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ORIENTABLE ROCKET MOTOR SYSTEM

:NA

:NA

:F02K9/80,F02K9/84,F02K9/56 (71)Name of Applicant : (51) International classification 1)ASTRIUM SAS (31) Priority Document No :13/53684 (32) Priority Date :23/04/2013 Address of Applicant: 12 rue Pasteur, F-92150 Suresnes (FR). (33) Name of priority country :France France (86) International Application No :PCT/FR2014/000089 (72) Name of Inventor: Filing Date :22/04/2014 1) RUFFINO Fabrice (87) International Publication No: WO 2014/174163 2)FAURE Benjamin (61) Patent of Addition to :NA **Application Number** :NA

(57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

According to the invention this system allows the tilting of the rocket motor (4) such that in the tilted position the centre (C) of the nozzle (8) is located at least approximately on the neutral orientation axis (nrio m) of said rocket motor.

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

(21) Application No.10316/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ENERGY RECOVERY SYSTEM AND METHOD

(51) International classification: F24F13/30,F24F12/00,F25B39/02 (71) Name of Applicant: 1)LANDRY Gerald (31) Priority Document No :61/854588 (32) Priority Date :29/04/2013 Address of Applicant :205 Compton Avenue Ottawa Ontario K2B 5A8 Canada (33) Name of priority country :U.S.A. (86) International Application (72) Name of Inventor: :PCT/CA2014/000385 No 1)LANDRY Gerald :29/04/2014 Filing Date (87) International Publication :WO 2014/176676 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A heat exchanger system has two heat exchangers a first heat exchanger and a second heat exchanger mounted within a single enclosure a first air inlet for receiving air from a first air system a first air outlet one or more second air inlets for receiving air from a second air system one or more second air outlets a first air path defined as a sealed air path from the first air inlet through the first heat exchanger to the first air outlet and a second air path a third air path and a fourth air path wherein the first air path transfers heat/energy through the first heat exchanger in a counter flow relation with the third air path and the second air path transfer heat/energy through the second heat exchanger in a counterflow relation with the fourth air path.

No. of Pages: 50 No. of Claims: 19

(21) Application No.10317/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: ABRASIVE 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></ul>	:B24D13/16 :MI2013A000734 :07/05/2013 :Italy	(71)Name of Applicant: 1)REN S.R.L. Address of Applicant: Via Carducci 8 I 20123 Milano Italy (72)Name of Inventor:
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/IB2013/055639 :09/07/2013 :WO 2014/181157 :NA :NA :NA	

### (57) Abstract:

The present invention relates to an abrasive tool of the disposable type applicable to equipment both professional industrial and for hobbies to sand materials of various types having rough surfaces. In particular the invention relates to a device using rotating abrasive discs. More in particular the present invention relates to an abrasive tool (1) for sanding machines comprising a plurality of flexible abrasive discs (2 102) open at a radial cut (3) and arranged in an overlapping and staggered configuration such as to define an abrasive lamellar like work surface (4) with overlapping flaps (5) wherein each flap (5) is formed of a protruding portion of an abrasive disc (2 102).

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

(21) Application No.10374/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: IMPROVEMENTS RELATING TO WIND TURBINES

:NA

:NA

(51) International classification :F03D11/00,F03D1/06,F03D7/02 (71)Name of Applicant: 1) VESTAS WIND SYSTEMS A/S (31) Priority Document No :PA 2013 70277 (32) Priority Date :23/05/2013 Address of Applicant : Hedeager 42 8200 Aarhus N Denmark (33) Name of priority country (72) Name of Inventor: :Denmark 1)OLESEN Ib Svend (86) International Application :PCT/DK2014/050140 :21/05/2014 Filing Date (87) International Publication No:WO 2014/187463 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

## (57) Abstract:

Filing Date

Number

The present invention relates to a method and to a wind turbine for determining the tip angle of a blade of a wind turbine rotor during rotation of the rotor. The method comprising: (a) transmitting a light signal from a first blade of the wind turbine rotor towards a second blade of the rotor; (b) receiving the light signal at the second blade of the rotor; and (c) calculating the tip angle of the first or second blade based upon characteristics of the received light signal.

No. of Pages: 36 No. of Claims: 41

(62) Divisional to Application

(21) Application No.10375/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: IMPLANT FOR EXTRA CORTICAL FRACTURE STABILISATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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/CH2013/000084 :15/05/2013 :WO 2014/183223 :NA :NA	(71)Name of Applicant:  1)NOETZLI Hubert Pius  Address of Applicant: Freiestrasse 6 CH 3097 Liebefeld  Switzerland (72)Name of Inventor:  1)NOETZLI Hubert Pius
Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to an implant (1) for osteosynthesis which is pressed against the bone by means of one or more encircling wires cables or bands and in the contact zones (11) specifically provided for the purpose on the underside of the implant bonds to the bone under the contact pressure such that a displacement of the bone relative to the implant is prevented.

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

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : ADIABATIC SECONDARY OPTICS FOR SOLAR CONCENTRATORS USED IN CONCENTRATED PHOTOVOLTAIC SYSTEMS

#### (57) Abstract:

A solar concentrator for concentrating solar radiation toward a solar cell a concentrated photovoltaic module including a solar concentrator and a solar cell and a secondary optical element for use in a solar concentrator are provided. The solar concentrator includes a primary optical element for collecting and focusing the solar radiation and a secondary optical element. The secondary optical element is arranged to receive the solar radiation collected and focused by the primary optical element and includes an input end and output end and an adiabatic light guide tapering from the input end toward the output end and configured for concentrating and adiabatically guiding the solar radiation between the input and output ends. Some embodiments of the present invention can be useful in solar photovoltaic applications where it is desirable to provide high acceptance angles while maintaining high concentration and optical efficiency levels.

No. of Pages: 53 No. of Claims: 45

:NA

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: HEAT EXCHANGER AND FIN MATERIAL FOR SAID HEAT EXCHANGER

(51) International classification: F28F19/06,B21B3/00,B22D11/00 (71) Name of Applicant: :2013116547 (31) Priority Document No 1) UACJ CORPORATION (32) Priority Date :02/06/2013 Address of Applicant: 172 Otemachi Chiyoda ku Tokyo (33) Name of priority country 1000004 Japan :Japan (72) Name of Inventor: (86) International Application :PCT/JP2014/002909 No 1)MURASE Takashi :02/06/2014 Filing Date 2)KITAWAKI Kotaro (87) International Publication 3)KUROSAKI Tomohito :WO 2014/196183 4)NINOMIYA Junji (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

Provided are a heat exchanger which suppresses hollow defect corrosion in a fin and is capable of maintaining the cooling capacity for a long period even in a highly corrosive environment; and a fin material for the heat exchanger. The heat exchanger includes an aluminium tube through which a working fluid flows and aluminium fins which are metallically bonded to the tube. The heat exchanger and the fin material for the heat exchanger are characterised in that the fins have: a region (B) at the periphery of a crystal grain boundary said region (B) containing less than  $5.0\text{\AA}-10/\text{mm}$  of an Al Fe Mn Si based intermetallic compound that has an equivalent circular diameter of  $0.1\ 2.5\ \text{Å}\mu\text{m}$ ; and a region (A) at the periphery of the region (B) said region (A) containing  $5.0\text{\AA}-10$   $1.0\text{\AA}-10/\text{mm}$  of the Al Fe Mn Si based intermetallic compound that has an equivalent circular diameter of  $0.1\ 2.5\ \text{Å}\mu\text{m}$ .

No. of Pages: 154 No. of Claims: 12

(21) Application No.10378/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention: GLUTARIMIDE DERIVATIVES USE THEREOF PHARMACEUTICAL COMPOSITION BASED THEREON AND METHODS FOR PRODUCING GLUTARIMIDE DERIVATIVES

(51) International :C07D401/06,C07D401/14,C07D405/06

classification

(31) Priority Document :2013116826

(32) Priority Date :12/04/2013 (33) Name of priority

:Russia country

(86) International :PCT/RU2014/000264 Application No

:10/04/2014 Filing Date

(87) International

:WO 2014/168522 **Publication No** 

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

**Application Number** Filing Date

:NA

:NA

(71)Name of Applicant:

1)OBSCHESTVO S OGRANICHENNOI

OTVETSTVENNOSTIYU "PHARMENTERPRISES"

Address of Applicant :prospekt Vernadskogo 86/5 Moscow

119571 Russia

(72) Name of Inventor:

1)NEBOLSIN Vladimir Evgenievich 2)KROMOVA Tatyana Alexandrovna

### (57) Abstract:

The present invention relates to novel biologically active glutarimide derivatives of general formula (I) or pharmaceutically acceptable salts thereof the use thereof as agents for treating upper respiratory tract diseases pharmaceutical compositions containing glutarimide derivatives of general formula (I) and methods for producing glutarimide derivatives of general formula (I) by heating a dicarboxylic acid monoamide of general formula (II) with a dehydrating agent.

No. of Pages: 134 No. of Claims: 36

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

(43) Publication Date: 05/02/2016

(54) Title of the invention: A WIRELESS DEVICE NETWORK NODES AND METHODS THEREIN FOR HANDLING A DEVICE TO DEVICE (D2D) COMMUNICATION DURING HANDOVER IN A WIRELESS TELECOMMUNICATIONS **NETWORK** 

(51) International :H04W36/00,H04W72/04,H04W76/04 classification

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

(33) Name of priority :NA country

(86) International

:PCT/SE2013/050553 Application No

:16/05/2013 Filing Date

(87) International

**Publication No** 

:WO 2014/185840

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

(71) Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden

(72) Name of Inventor:

1)LU Qianxi 2)MIAO Qingyu

### (57) Abstract:

Filing Date

A method performed by a first wireless device for handling a device to device D2D communication with a second wireless device during handover of the first wireless device from a source network node to a target network node in a wireless telecommunications network is provided. The first wireless device interrupts the D2D communication. Then the first wireless device determines a first uplink timing difference as the difference between the uplink timing to the source network node and the uplink timing to the target network node. Further the first wireless device reconfigures the D2D communication based on the first uplink timing difference. Then the first wireless device restarts the D2D communication as reconfigured. A first wireless device (121) is also provided. Further a target network node (110 111 112) a source network node (110 111) and methods therein for handling a D2D communication are provided.

No. of Pages: 47 No. of Claims: 26

(21) Application No.10207/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: A POLYSACCHARIDE AEROGEL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08J3/28,C08J3/075,C08J5/00 :61/818970 :03/05/2013 :U.S.A.	1)NATIONAL UNIVERSITY OF SINGAPORE Address of Applicant :21 Lower Kent Ridge Road Singapore 119077 Singapore
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:02/05/2014	(72)Name of Inventor: 1)DUONG Hai Minh 2)TAN Beng Chye Vincent 3)NGUYEN Truong Son 4)NG Shao Kai

# (57) Abstract:

A polysaccharide based aerogel comprising a network of polysaccharide fibers with pores therebetween wherein the sizes of the pores are in the micrometer range.

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

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR MEDIA DISTRIBUTION AND MANAGEMENT

(51) International :H04N21/222,H04N21/2225,H04N21/262 classification

(31) Priority Document :61/809336

:06/04/2013 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International

:PCT/IB2014/001277 Application No :04/04/2014

Filing Date

(87) International :WO 2014/162210

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)MIRANDA TECHNOLOGIES PARTNERSHIP

Address of Applicant: 3499 Douglas B. Floreani Montreal

Ouébec H4S 2C6 Canada (72) Name of Inventor:

1)FLETCHER Ian

## (57) Abstract:

The present disclosure is directed to cloud based media distribution and management systems providing pushing of content to regional playout servers geographically dispersed for local rebroadcasting of network based content. Automation may be controlled through a hierarchical system allowing easy and efficient playlist editing and media control. In another aspect the present disclosure is directed to a playout server for retrieving or receiving content from a network or cloud based storage and playing content according to an automated playlist received from a media distribution and management system.

No. of Pages: 96 No. of Claims: 70

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANTI GLUCAGON RECEPTOR ANTIBODIES AND METHODS OF USE THEREOF

(51) International

:C07K16/28,C07K16/46,C12N5/12 classification

(31) Priority Document No :61/820604 (32) Priority Date :07/05/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/IB2014/061166

:02/05/2014 Filing Date

(87) International Publication :WO 2014/181229

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) RINAT NEUROSCIENCE CORP.

Address of Applicant :230 East Grand Avenue South San

Francisco California 94080 U.S.A.

(72) Name of Inventor:

1) CHAPARRO RIGGERS Javier Fernando

2)FORGIE Alison Jane

3)LAVALLIE Edward Roland

4)LIN Chia Yang 5)MOSYAK Lidia 6)ROSSI Andrea

7) VAN BLARCOM Thomas John

### (57) Abstract:

The present invention provides antagonizing antibodies that bind to glucagon receptor and methods of using same. The anti glucagon receptor antibodies can be used therapeutically to lower glucose levels in blood and can be in the prevention and/or treatment of glucose related disorders including diabetes hyperglycemia hyperinsulinemia impaired fasting glucose impaired glucose tolerance dyslipidemia or metabolic syndrome.

No. of Pages: 166 No. of Claims: 34

(21) Application No.10397/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VIBRATION RESISTANT INDUSTRIAL GEAR OILS

(51) International classification:C10M141/10,C(31) Priority Document No:61/828717(32) Priority Date:30/05/2013

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

(86) International Application No
Filing Date

:PCT/US2014/039496
:27/05/2014

(87) International Publication No :WO 2014/193782 (61) Patent of Addition to Application Number :NA :NA

Filing Date

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

:C10M141/10,C10N40/04 (71)Name of Applicant :

1)THE LUBRIZOL CORPORATION

Address of Applicant :29400 Lakeland Blvd. Wicliffe Ohio

44092 2298 U.S.A.

(72)Name of Inventor:

1)AKUCEWICH Edward S.

2) VINCI James N.

### (57) Abstract:

The invention relates to industrial gear oil compositions that have been specially designed to be vibration resistant. That is the industrial gear oil compositions of the invention provide good performance and/or protection even when the equipment in which the composition is used is subjected to external vibration including but not limited to vibration during transportation of the equipment. The industrial gear oil compositions include a combination of additives that provide surprisingly good protection against damage caused by vibration.

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

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SEAMLESS SWITCHING METHOD AND SYSTEM FOR MICRO GRID 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>	:H02J9/06,H02J3/00 :201310722452.6 :24/12/2013 :China :PCT/CN2014/092365 :27/11/2014 :WO 2015/096586 :NA :NA	(71)Name of Applicant:  1)CHINA XD ELECTRIC CO. LTD  Address of Applicant: No.7 Tangxing Road Xian Shaanxi 710075 China (72)Name of Inventor:  1)LIU Zhiqiang 2)ZHANG Dongsheng 3)SU Weifeng 4)WEI Sanmin 5)GOU Ruifeng
Number		4)WEI Sanmin
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A seamless switching method and system for a micro grid system. The method comprises: a first voltage collection module collecting values of various phase voltages at a grid side connected thereto; a PCS determining the power loss ratio of the current voltage value of each phase voltage relative to a standard value and counting the sum of the number of times of the power loss ratios of various phase voltages being lower than a predetermined value; and if the PCS judges that the value of the sum is larger than a threshold value executing V/F switching and at the same time triggering a PCC switch between the grid connected thereto and a micro grid to be disconnected. By means of the manner of switching from on grid to off grid the current impact is very small and the smooth switching from on grid to off grid can be achieved.

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

(21) Application No.10380/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : RECHARGEABLE NANOELECTROFUEL ELECTRODES AND DEVICES FOR HIGH ENERGY DENSITY FLOW BATTERIES

(51) International classification	:H01M8/08	(71)Name of Applicant :
(31) Priority Document No	:61/822208	1)TIMOFEEVA Elena V.
(32) Priority Date	:10/05/2013	Address of Applicant :2312 West Warren Boulevard Chicago
(33) Name of priority country	:U.S.A.	Illinois 60612 U.S.A.
(86) International Application No	:PCT/US2014/037485	2)KATSOUDAS John P.
Filing Date	:09/05/2014	3)SINGH Dileep
(87) International Publication No	:WO 2014/183028	4)SEGRE Carlo U.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA :NA	1)TIMOFEEVA Elena V.
Filing Date	:INA	2)KATSOUDAS John P.
(62) Divisional to Application Number	:NA	3)SINGH Dileep
Filing Date	:NA	4)SEGRE Carlo U.

#### (57) Abstract:

Nanoelectrofuel compositions include a plurality of electroactive surface treated or surface modified nanoparticles dispersed in an electrolyte or self suspended and exhibit fluid characteristics are provided. A Redox flow cell may employ the nanoelectrofuels compositions wherein the redox flow cell includes a first inlet and a first outlet in fluid communication with a first half cell body a second inlet and a second outlet in fluid communication with a second half cell body a third cell body and an ion conductive membrane separating the first half cell body from the second half cell body and defining the second half cell body.

No. of Pages: 67 No. of Claims: 62

(21) Application No.10381/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

(54) Title of the invention: DUPLEXER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:08/05/2014 :WO 2014/181111 :NA :NA :NA	(71)Name of Applicant:  1)BAE SYSTEMS PLC Address of Applicant: 6 Carlton Gardens London SW1Y 5AD U.K. (72)Name of Inventor: 1)BURNITT David James 2)GILES SimonCharles 3)STELIOU Andrew Mark
Filing Date	:NA	

#### (57) Abstract:

According to a first aspect of the present invention there is provided a duplexer for a radio frequency antenna comprising: a radio frequency signal transmitter port arranged for connection to a radio frequency signal transmitter; a radio frequency signal receiver port arranged for connection to a radio frequency signal receiver; a switch arranged selectively to adopt either one of: a first state which connects the transmitter port to a common input/output port of the switch arranged for connection to a radio frequency antenna; and a second state which connects the receiver port to the common input/output port; a switch control unit arranged to monitor radio frequency power at the common input/output port and to receive a transmission gate signal; wherein the switch control unit is arranged to control the switch to adopt the first state upon receipt of the transmission gate signal and subsequently to control the switch to adopt the second state when the monitored radio frequency power falls below a threshold level.

No. of Pages: 19 No. of Claims: 14

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: NEW CARBODIIMIDES HAVING TERMINAL UREA AND/OR URETHANE GROUPS METHODS FOR PRODUCING SAID CARBODIIMIDES AND USE OF SAID CARBODIIMIDES

(51) International classification :C07C271/28,C07C275/40,C08G18/02

(31) Priority Document No :13167511.8

(32) Priority Date :13/05/2013
(33) Name of priority

(33) Name of priority country :EPO

(86) International :PCT/EP2014/059578

Application No
Filing Date

FOR 1201

109/05/2014

(87) International Publication No :WO 2014/184116

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

(71)Name of Applicant:

1) RHEIN CHEMIE RHEINAU GMBH

Address of Applicant :DÃ1/4sseldorfer Str. 23 27 68219

Mannheim Germany
(72)Name of Inventor:
1)LAUFER Wilhelm
2)BECHEM Benjamin
3)ECKERT Armin

# (57) Abstract:

Filing Date

The invention relates to new carbodiimides having terminal urea and/or urethane groups of formula (I) wherein R can be the same or different and is selected from the group of the NHCONHR NHCONR R and NHCOOR residues. The invention relates further to methods for producing said carbodiimides and to the use of said carbodiimides as a stabilizer in ester based polyols in polyethylene terephthalate (PET) in polybutylene terephthalate (PBT) in polytrimethylene terephthalate (PTT) in copolyesters in thermoplastic polyester elastomers (TPE Es) in ethylene vinyl acetate (EVA) in polylactic acid (PLA) and/or in PLA derivatives in polybutylene adipate terephthalates (PBATs) in polybutylene succinates (PBSs) polyhydroxyalkanoates (PHAs) in blends in triglycerides in thermoplastic polyurethanes in polyurethane elastomers in PU adhesives in PU casting resins for PU coatings or in PU foams.

No. of Pages: 20 No. of Claims: 22

(21) Application No.10210/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : IMPLANTABLE REINFORCEMENT PROSTHESIS IN PARTICULAR FOR REINFORCING THE ABDOMINAL WALL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A61F2/00 :1353277 :11/04/2013 :France :PCT/EP2014/057452 :11/04/2014 :WO 2014/167131 :NA :NA	(71)Name of Applicant:  1)COSSA Jean Pierre Address of Applicant: 21 rue Bizet F 75116 Paris France (72)Name of Inventor: 1)COSSA Jean Pierre
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The implantable reinforcement prosthesis in particular for reinforcing the abdominal wall comprises a reinforcement part (10) forming a netting intended to be incorporated into the inner surface of the wall (1) in order to reinforce said wall and a plurality of flat strips (20; 120) made from textile material extending from the edges of the reinforcement part and intended to be placed in transfixing penetration in the wall to each side of the area to be reinforced. According to a particular provision the strips (20; 120) comprise anchoring wires (30; 130) intcorporated by interleaving into said strips and extending along the length of said strips. The strips can be formed from two different segments of strips depending on the region of the wall in which they are to be positioned.

No. of Pages: 35 No. of Claims: 20

(21) Application No.10211/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: WATER TREATMENT ASSEMBLY INCLUDING HYPERFILTRATION MODULE AND PRESSURIZABLE RESERVOIR

(51) International : B01D61/02, B01D61/04, B01D61/12

classification (31) Priority Document No :61/816184

(32) Priority Date :26/04/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/034260

Application No :16/04/2014 Filing Date

(87) International Publication :WO 2014/176082

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

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

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

(72) Name of Inventor: 1)JONS Steven D.

#### (57) Abstract:

A water treatment assembly comprising a spiral wound hyperfiltration membrane module connected to: i) a feed line adapted for connection to a source of pressurized feed water ii) a permeate line adapted for connection to a dispenser of treated water and iii) a concentrate line adapted for connection with drain; wherein the assembly further includes a pressurizable reservoir with valves for selectively diverting flow of pressurized feed water along the feed line through the reservoir and returning to the feed line prior to passing through the hyperfiltration membrane module.

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

(21) Application No.10212/DELNP/2015 A

Maggiore (VI) Italy

(72)Name of Inventor:

1)DE LUCCHI Ottorino

1)F.I.S. FABBRICA ITALIANA SINTETICI S.P.A.

Address of Applicant: Viale Milano 26 I 36075 Montecchio

(19) INDIA

(22) Date of filing of Application:03/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF KEY INTERMEDIATES OF OMARIGLIPTIN

:C07C225/16,C07D487/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :VI2014A000064 (32) Priority Date :20/03/2014 (33) Name of priority country :Italy

(86) International Application No :PCT/EP2015/050858

Filing Date :19/01/2015 (87) International Publication No :WO 2015/139859

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

2)ROSSO Enrico 3)ZARAMELLA Simone

(57) Abstract:

Filing Date

Object of the present invention is an improved process for the preparation of key intermediates for the synthesis of the active pharmaceutical ingredient named Omarigliptin.

No. of Pages: 40 No. of Claims: 17

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ANTI INFLAMMATORY SYNERGISTIC COMBINATIONS COMPRISING OMEGA 3 FATTY ACID AND TOMATO LYCOPENE

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority
(33) Name of priority
(34) International classification
(34) Priority Document Solution
(35) Priority Date
(36) Priority Date
(37) Name of Applicant :
(37) Name of Applicant :
(37) Name of Inventor :
(38) Name of priority
(39) Priority Date
(31) Priority Date
(31) Priority Date
(32) Priority Date
(33) Name of priority
(34) Priority Date
(34) Priority Date
(35) Priority Date
(36) Priority Date
(37) Name of Applicant :
(37) Name of Applicant :
(38) Priority Date
(39) Priority Date
(39) Priority Date
(31) Priority Date
(31) Priority Date
(32) Priority Date
(33) Name of priority
(34) Priority Date

country :U.S.A.

(86) International Application No :PCT/IL2014/050329 :03/04/2014

(87) International Publication No :WO 2014/162313

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

Filing Date

1)LYCORED LTD.

Address of Applicant :P.O.Box 320 84102 Beer Sheva Israel

(72)Name of Inventor:

2)HADAD Nurit 3)SEDLOV Tanya 4)ZELKHA Morris 5)SAPOJNIK Masha

# (57) Abstract:

This invention is directed to compositions having synergistic combinations of omega 3 fatty acid such as OMEGA 3 with a tomato extract lycopene and optionally with carnosic acid and/or lutein. More specifically the present invention provides compositions having synergistic combinations of the aforementioned compounds which may be used inter alia to inhibit/suppress inflammation via the suppression of the expression of anti inflammatory mediators or via the suppression of the secretion of anti inflammatory mediators from macrophages at a site of inflammation.

No. of Pages: 41 No. of Claims: 17

(21) Application No.10400/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: PROTECTIVE STRIPE FOR BANK 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 Number</li> </ul>	:18/12/2013 :WO 2014/183174 :NA	(71)Name of Applicant:  1)SKIMPROT LIMITED LIABILITY COMPANY Address of Applicant:16 Abagar Street j.k. Gorublyane BG 1138 Sofia Bulgaria (72)Name of Inventor: 1)TSAPREV Nikolay Marinov 2)CHOBANOV Dimitar Ivanov
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Invention relates to a protective stripe (1) for bank cards (2) can be applied mostly in the field of banking to prevent bank robberies of clients of banks and other financial institutions. The protective stripe (1) comprises several interconnected layers made of different materials and placed one above the other. The first lowermost layer (3) is an adhesive layer and is glue by which the protective stripe is fixed to the debit or credit card (2). The next layer (4) is made of paper plastic or foil. It is intended mostly to bear the other layers. The third layer (5) is the carrier of ex officio information necessary for the operation of ATMs but this information contains no financial data about the holder of the card (2). This layer (5) can also be a carrier of misleading personal information about the holder of the card (2). Most often this is a magnetic stripe. Then follows a protective layer (6) made by foil or varnish or other material appropriate to that end. The protective stripe (1) is stuck on the part where the standard magnetic stripe (7) of the card (2) is and covers the personal financial information recorded on it.

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

(21) Application No.10390/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A VALVE FOR A DIAPHRAGM PUMP

(51) International classification	:F04B43/073,F15B13/042	(71)Name of Applicant :
(31) Priority Document No	:2013901693	1)JOE SANTA & ASSOCIATES PTY LIMITED
(32) Priority Date	:14/05/2013	Address of Applicant :6 Burleigh Street Toronto West NSW
(33) Name of priority country	:Australia	2283 Australia
(86) International Application No	:PCT/AU2014/000151	(72)Name of Inventor:
Filing Date	:20/02/2014	1)SANTA David Luiz
(87) International Publication No	:WO 2014/183149	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A diaphragm pump (10) including a body (11) that provides a pair of opposed pump chambers (12) and (13). Mounted in the body (11I) is a piston assembly (14) providing a pair of pistons (15) joined by a transverse piston rod (16) so that the pistons (15) are caused to reciprocate in unison linearly in the direction (17) along the axis (18). Each piston (15) includes a diaphragm (22) that provides a first sub chamber (23) and a second sub chamber (24). A working fluid (liquid or gas) under pressure is alternately delivered to the sub chambers (23) to cause the piston assembly (14) to reciprocate. A valve (25) is operated to co ordinate delivery of the fluid under pressure or alternately to the first sub chambers (23).

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

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TEA BEVERAGE AND PREPARATION METHOD 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A23F3/16 :201310132185.7 :16/04/2013 :China :PCT/CN2014/074236 :28/03/2014 :WO 2014/169755 :NA :NA	(71)Name of Applicant:  1)NONGFU SPRING CO. LTD.  Address of Applicant: No.181 Geyazhuang Xihu District Hangzhou Zhejiang 310024 China (72)Name of Inventor:  1)HAN Zhengchun  2)WANG Yongfu  3)ZHONG Jiping  4)JIN Jun  5)HUANG Yuan  6)XUE Lian
(62) Divisional to Application Number Filing Date	:NA :NA	6)XUE Lian

#### (57) Abstract:

Provided is a tea beverage having a similar quality to that of freshly made tea and a preparation method therefor characterised by taking the water soluble components and volatile components in tea leaves as the targets through choosing the same or different kinds of tea leaves using different extraction processes to separately extract and obtain a water soluble component extract (referred to as a first extract) in the tea leaves and a volatile component extract (referred to as a second extract) in the tea leaves then combining the two extracts in a suitable amount and mixing evenly to form a tea infusion for tea beverage production and blending sterilizing and filling same according to conventional tea beverage production processes so as to produce a tea beverage product having a quality similar to or even exceeding that of freshly made tea.

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

(21) Application No.10392/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BLOCK COPOLYMER AND 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> </ul>	:C08G63/08,C08G63/82 :13002687.5 :23/05/2013 :EPO :PCT/IB2014/061566 :20/05/2014 :WO 2014/188344	(71)Name of Applicant:  1)SAUDI BASIC INDUSTRIES CORPORATION Address of Applicant: P.o. Box 5101 Riyadh 11422 Saudi Arabia (72)Name of Inventor: 1)DUCHATEAU Robbert 2)BOUYAHYI Miloud
<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	3)JASINSKA WALC Lidia

#### (57) Abstract:

The invention relates to a block copolymer comprising a first block of general structure formula (II) and a second block of general structure formula (III) wherein Rx is an organic group having a chain length of from 1 9 atoms; R is an organic group having a chain length of from 10 38 atoms; n is at least 2; n is at least 2. The invention further relates to a method for preparing such block copolymer using as a catalyst a phenoxy imine based catalyst having general structure of formula I.

No. of Pages: 31 No. of Claims: 15

(21) Application No.10393/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: LUBRICATING COMPOSITION

(51) International :C10M159/12,C10M169/04,C10M133/12 classification

(31) Priority Document :61/826151

(32) Priority Date :22/05/2013 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/038895 Application No :21/05/2014

Filing Date

(87) International :WO 2014/190002 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)THE LUBRIZOL CORPORATION

Address of Applicant :29400 Lakeland Blvd. Wickliffe Ohio

44092 2298 U.S.A.

(72) Name of Inventor:

1)IVANCIC Danielle N. 2) DELBRIDGE Ewan E.

3)ZHANG Yanshi

4)CAPITOSTI Scott

5)FRIEND Christopher L.

### (57) Abstract:

The invention provides a lubricating composition containing an oil of lubricating viscosity and a N acylated aromatic amine compound. The invention further relates to methods of lubricating an internal combustion engine by supplying the described lubricating composition to the internal combustion engine. The invention further relates to the use of the N acylated aromatic amine compound as a TBN booster.

No. of Pages: 26 No. of Claims: 17

(21) Application No.10394/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: ROTOR FOR A CENTRIFUGAL FLOW MACHINE AND A CENTRIFUGAL FLOW MACHINE

(51) International :F04D29/24,F04D29/22,F04D29/12

classification .F04D29/24,F04D29/12

(31) Priority Document No :13174714.9 (32) Priority Date :02/07/2013 (33) Name of priority country :EPO

(86) International Application :PCT/EP2014/062489

No :PC1/EP2014/

Filing Date :16/06/2014

(87) International Publication :WO 2015/000677

(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)SULZER MANAGEMENT AG

Address of Applicant : Neuwiesenstrasse 15 CH 8401

Winterthur Switzerland (72)Name of Inventor:
1)MANNINEN Heikki

# (57) Abstract:

The present invention relates to a novel rotor structure for a centrifugal flow machine. The rotor (10) of the invention has newly designed working vanes (14) that are attached to the hub (12) of the rotor without any support disc or shroud. Additionally the novel vane (14) has means for efficiently flushing the sealing Chamber behind the rotor (10).

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR MANUFACTURING FROZEN COOKED NOODLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A23L1/16 :2013130354 :21/06/2013 :Japan :PCT/JP2014/066388 :20/06/2014 :WO 2014/203991 :NA :NA :NA	(71)Name of Applicant:  1)NISSHIN FOODS INC.  Address of Applicant: 25 Kandanishikicho 1 chome Chiyoda ku Tokyo 1018441 Japan (72)Name of Inventor:  1)KOIZUMI Norio  2)WATANABE Takenori  3)MIYA Youichirou
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#### (57) Abstract:

Provided are frozen cooked noodles which can be stored for a long period in a frozen state and which when defrosted exhibit good appearance and texture. A method for manufacturing frozen cooked noodles including: extruding a dough which is obtained by blending 100 parts by mass of wheat flour that contains at least 70 mass% of common wheat flour with 0.5 to 5 parts by mass of a vegetable protein at a pressure of 60 to 160kgf/cm into raw noodles; cooking the raw noodles; and freezing the cooked noodles.

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

(21) Application No.10218/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : NON AQUEOUS HAIR OIL COMPOSITION COMPRISING ISOPARAFFIN BASE OIL SILICONE ELASTOMER AND ITS SOLUBILIZER

<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>	:A61K8/31,A61Q5/12,A61K8/891 :61/828691 :30/05/2013 :U.S.A.	(71)Name of Applicant:  1)THE PROCTER & GAMBLE COMPANY  Address of Applicant: One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A.
(86) International Application No Filing Date	:PCT/US2014/040119 :30/05/2014	(72)Name of Inventor: 1)HASEGAWA Jun 2)OKU Taisuke
(87) International Publication No	:WO 2014/194152	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed is a non aqueous hair care composition comprising: a base oil being a volatile isoparaffin; a silicone elastomer; a solubilizer for the silicone elastomer which is a non volatile silicone having a viscosity from about 25 to about 100 000 mm $\hat{a}$   $\hat{c}$   $\hat{c}$  . The composition of the present invention has improved stability such as reduced phase separation at lower temperature and also has a balanced dry performance.

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

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: A METHOD OF AND AN APPARATUS FOR MANUFACTURING AN OPTICAL LENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B24B13/005 :13305931.1 :01/07/2013 :EPO :PCT/EP2014/063359 :25/06/2014 :WO 2015/000758 :NA :NA	(71)Name of Applicant:  1)ESSILOR INTERNATIONAL (COMPAGNIE GÃ%NÃ%RALE DOPTIQUE)  Address of Applicant:147 rue de Paris F 94220 Charenton le Pont France (72)Name of Inventor:  1)GODOT Vincent
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and apparatus for blocking an unfinished optical lens member on a blocker for manufacture of an optical lens from the unfinished optical lens member the unfinished optical lens member being provided with a finished surface having a first reference frame and the blocker having a second reference frame comprising: placing the unfinished optical lens member on the blocker; measuring the relative positioning of the first reference frame of the finished surface of the placed unfinished optical lens member with respect to the positioning of the second reference frame of the blocker; comparing the measured relative positioning with a predetermined relative positioning in order to determine a relative positioning shift; moving at least one of the blocker and the lens member so as to change the relative positioning of the first reference frame with respect to the second reference frame to compensate for the relative positioning shift; and blocking the unfinished optical lens member on the blocker at the changed relative positioning.

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

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LIGHT EMITTING DIODE (LED) BASED FLUID PURIFICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:C02F1/32 :13504733 :15/04/2013 :Sweden :PCT/SE2014/050465 :15/04/2014 :WO 2014/171886 :NA :NA	(71)Name of Applicant:  1)WATERSPRINT AB  Address of Applicant: Medicon Village S 223 81 Lund  Sweden (72)Name of Inventor:  1)HANSSON Ola  2)PERSSON Kenneth M  3)WINGREN Tord  4)MONTELIUS Lars
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Invention regards a light emitting diode (LED) based system for purifying a fluid flowing through a pipe said system comprising means for mounting the system on the pipe a housing a pliant carrier structure comprising a plurality of LEDs arranged flush with a first surface (7) of the structure (8) and configured to emit radiation in UV range wherein when the system is pipe mounted said structure is detachably arranged within the housing and said structure (8) adopts a substantially tubular shape within the housing with said first surface delimiting a purifying chamber (9) wherein said purifying chamber is in fluid communication with the pipe so that the fluid flowing through the pipe passes prior to being dispensed through the purifying chamber where it is exposed to ultraviolet (UV) radiation of the energized LEDs.

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

(21) Application No.10407/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS AND COMPOSITIONS OF TREATING AUTOIMMUNE DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:11/04/2014 :WO 2014/169255	(71)Name of Applicant:  1)THE BRIGHAM AND WOMENS HOSPITAL INC. Address of Applicant: 75 Francis Street Boston Massachusetts 02115 U.S.A. (72)Name of Inventor: 1)QUINTANA Francisco J. 2)MASCANFRONI Ivan D.
	:WO 2014/169255 :NA :NA :NA :NA	2)MASCANFRONI Ivan D.

#### (57) Abstract:

Embodiments of various aspects described herein are directed to methods and compositions for producing a tolerognic or immunosuppressive dendritic cell. In particular an immunosuppressive dendritic cell can be produced by contacting a dendritic cell with an agent that stimulates the IL 27/ectonucleotidase CD39 axis signaling. In some embodiments the methods and/or compositions described herein can be used for treating an autoimmune disease or disorder e.g. but not limited to multiple sclerosis (MS) and type 1 diabetes.

No. of Pages: 112 No. of Claims: 36

(21) Application No.10401/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: A SYSTEM FOR VISUALIZING BODY AREAS

:WO 2014/178806

(51) International :A61B3/14,A61B1/227,A61B1/303 classification

:NA

(31) Priority Document No :2013/05176 (32) Priority Date :02/05/2013

(33) Name of priority country :Turkey

(86) International Application :PCT/TR2014/000114

:16/04/2014

Filing Date

(87) International Publication No

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

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

Number Filing Date

(71)Name of Applicant: 1)YETIK HÃ1/4seyin

Address of Applicant :Beyaz Lale Sokak Novus Residence No:4/2 D 1 Blok Daire:26 Ataköy 2 5 6 Bakirköy Istanbul

(72) Name of Inventor:

1)YETIK HÃ<sup>1</sup>/<sub>4</sub>seyin

## (57) Abstract:

The invention is a system comprising an adaptor (10) which comprises an inner chamber (111) into which electronic recording devices that can record images such as smart phones pocket computer tablet computer can be placed and a space (112) provided on the location that comes across with the camera of the electronic recording device characterized in that said single adaptor (10) comprises a mounting part (113) located on the front side of the adaptor (10) and focusing optic units connected to said mounting part (113) during application and have a lens assembly chosen in accordance with the body part to be visualized for being used in more than one application such as biomicroscopy indirect ophthalmoscopy otoscopy dermatoscopy and colposcopy. Figure 2

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

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEPTH INFORMATION ENCODING AND DECODING METHOD SYSTEM AND DEVICE

(51) International classification	:H04N19/00,H04N13/00	(71)Name of Applicant:
(31) Priority Document No	:201310123393.0	1)ZTE CORPORATION
(32) Priority Date	:10/04/2013	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/CN2014/074050	(72)Name of Inventor:
Filing Date	:25/03/2014	1)LI Hongwei
(87) International Publication No	:WO 2014/166334	2)LI Ming
(61) Patent of Addition to Application	:NA	3)WU Ping
Number	:NA	4)SHANG Guoqiang
Filing Date	.IVA	5)XIE Yutang
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed are a depth information encoding and decoding method system and device. The method comprises: combining data in an original depth look up table (DLT) of a selected viewpoint and establishing a uniform DLT and separately encoding an element quantity value in the uniform DLT and each element in the uniform DLT and then sending them to a decoder; and encoding depth information of each viewpoint by using the uniform DLT as a whole or a part and sending the encoded depth information of each viewpoint to the decoder.

No. of Pages: 48 No. of Claims: 30

(21) Application No.10403/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: COLLECTING AND REMOVING CONDENSATE FROM A GAS EXTRACTION SYSTEM

:E21B49/08,E21B43/34 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)HALLIBURTON ENERGY SERVICES INC. :61/879741 (32) Priority Date :19/09/2013 Address of Applicant :3000 N. Sam Houston Parkway E. (33) Name of priority country Houston Texas 77032 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/056214 (72) Name of Inventor: Filing Date :18/09/2014 1)SCHEXNAIDER Neil Patrick (87) International Publication No :WO 2015/042220 (61) Patent of Addition to Application :NA

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

## (57) Abstract:

A gas extraction system for gas analysis is provided. The gas extraction system includes the use of a peristaltic pump for moving condensates to a liquid trap assembly. An improved fluid flow is thus provided which includes delivering condensate from a condensate separator to a peristaltic pump and delivering the condensate from the peristaltic pump to a liquid trap assembly.

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

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ROTATING CONTROL DEVICE WITH ROTARY LATCH

(51) International classification	:E21B34/12,E21B17/046	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:NA	Address of Applicant :10200 Bellaire Boulevard Houston TX
(33) Name of priority country	:NA	77072 U.S.A.
(86) International Application No	:PCT/US2013/057326	(72)Name of Inventor:
Filing Date	:29/08/2013	1)CLARK Owen R.
(87) International Publication No	:WO 2015/030775	2)ARNT Anton K.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rotating control device can include an annular seal and a latch including a rotary cam and an engagement member which releasably secures the seal and/or a bearing relative to the housing such that rotation of the cam relative to the housing displaces the member. A method of latching an annular seal relative to an outer housing of a rotating control device can include rotating a rotary cam thereby linearly displacing an engagement member that releasably secures the seal relative to the housing while permitting rotation of the seal relative to the housing. Another rotating control device can include an outer housing an annular seal and a latch including a rotary cam and multiple separate engagement members disposed in the housing and in which rotation of the cam relative to the housing displaces the members in the housing.

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

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TURBOCHARGER WITH A RADIAL/AXIAL TURBINE WHEEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 2013 210 990.3 :13/06/2013 :Germany :PCT/EP2014/058753 :29/04/2014 :WO 2014/198453 :NA :NA	(71)Name of Applicant:  1)CONTINENTAL AUTOMOTIVE GMBH Address of Applicant: Vahrenwalder Straße 9 30165  Hannover Germany (72)Name of Inventor:  1)FÃ,,TH Holger 2)HILLER Marc 3)SANDOR Ivo
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a turbocharger which has a shaft (30) with a rotational axis (30a) a radial/axial turbine wheel (12) which is arranged in a turbine housing (10) and which is connected to the shaft (30) in a non rotatable manner and a bearing housing (20) which adjoins the turbine housing and which contains a lateral wall facing the turbine housing. A sub region of the lateral wall of the bearing housing (20) forms a sub region of the rear wall of the turbine housing (10). Said sub region of the bearing housing (20) has two sub sections one (TA1) of which runs diagonally to the rotational axis (30a) in an inflow direction of an exhaust gas flow conducted into the turbine housing and the second (TA2) of which runs in a radial direction relative to the rotational axis of the shaft and parallel to the rear wall of the turbine wheel. The two sub sections (TA1 TA2) are connected to each other via an exhaust gas flow separation edge (35) of the bearing housing.

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

(21) Application No.10225/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHODS AND COMPOSITIONS FOR POLYMER MATRIX SYNTHESIZED BY POLYCONDENSATION

(51) International classification (31) Priority Document No	:C08L63/00,C08L5/16,C08K5/01 :NA	(71)Name of Applicant: 1)AGROFRESH INC.
(32) Priority Date	:NA	Address of Applicant :727 Norristown Road Spring House PA
(33) Name of priority country	:NA	19477 U.S.A.
(86) International Application	:PCT/CN2013/074819	(72)Name of Inventor:
No	:26/04/2013	1)LU Fujun
Filing Date	126, 6 1, 2015	2)CAI Guoqiang
(87) International Publication	:WO 2014/172900	3)SUN Tong
No		4)XU Jianping
(61) Patent of Addition to Application Number	:NA	5)MENNING Bruce Alan 6)JACOBSON Richard Martin
Filing Date	:NA	7)BECKER Christian Guy
(62) Divisional to Application Number Filing Date	:NA :NA	7)BECKER CHISUAN Guy

## (57) Abstract:

The present invention relates to packaging material/matrix and methods of making such packaging material/matrix for slow or extended release of at least one active volatile compound(s). Provided are methods and compositions for a polymer matrix incorporating at least one active volatile compound (for example 1 methylcyclopropene or 1 MCP) and the polymer matrix is synthesized by polycondensation. This polymer matrix can slowly release the active volatile compound after contacting with a solvent (for example moisture). Also provided is the use of such polymer matrix to prolong the shelf life of fruits and vegetables.

No. of Pages: 31 No. of Claims: 43

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING A TOOTHBRUSH AND TOOTHBRUSH PRODUCED THEREBY

(51) International classification :A46B9/04,A46D3/00,B29C45/16 (71)Name of Applicant : (31) Priority Document No :13169701.3 1)THE GILLETTE COMPANY (32) Priority Date :29/05/2013 Address of Applicant: World Shaving Headquarters IP/Legal (33) Name of priority country Patent Department 3E One Gillette Park Boston Massachusetts :EPO (86) International Application 02127 U.S.A. :PCT/US2014/037222 (72) Name of Inventor: No :08/05/2014 Filing Date 1)BRESSELSCHMIDT Andreas (87) International Publication 2)BIRK Andreas :WO 2014/193621 3)SCHULZ Holger (61) Patent of Addition to 4)STEGMANN Wolfgang :NA **Application Number** 5)GANNINGER Jochen :NA

6)JOEST Michael

7)HERZOG Karl

8) REUSCHENBACH Andreas

#### (57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

A method for producing a toothbrush may comprise the following steps: providing a head a neck portion and handle; providing a coupling element and combining the neck portion to the handle by the coupling element so that an irreversible connection is formed. The individual parts of the toothbrush to be formed can be produced in parallel or successively wherein some of the parts can be produced by injection molding. Thereby a toothbrush is formed which comprises a head a neck portion and a handle which can be produced as building blocks separately and may be connected to each other via a coupling element. Said connection is constructed to be inseparable.

No. of Pages: 29 No. of Claims: 15

(21) Application No.10413/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention : VEHICLE WHICH CAN BE OPERATED BY MOTOR AND WITH MUSCLE POWER AND HAS AN IMPROVED TORQUE SENSOR

(51) International classification :G01L1/16,G01L3/10 (71)Name of Applicant : (31) Priority Document No :10 2013 209 262.8 1)ROBERT BOSCH GMBH (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :17/05/2013 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/054926 (72)Name of Inventor : Filing Date :13/03/2014 1)LIEBLER Marko (87) International Publication No :WO 2014/183901 2)HINTERKAUSEN Markus (61) Patent of Addition to Application 3)KIMMICH Peter :NA Number 4)BENDEL Karl :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a vehicle in particular an electric bicycle which can be operated by motor and/or with muscle power comprising an electric motor (3) a crank drive (2) with a first crank (7) a second crank (8) and a crankshaft (12) a torque sensor (13) for sensing a torque applied to the crank drive (2) by a driver and a control unit (16) which is set up to control the electric motor (3) on the basis of at least the values recorded by the torque sensor (13) in order to drive the vehicle wherein the torque sensor (13) is arranged on the crank drive (2) and wherein the torque sensor (13) comprises at least one surface acoustic wave sensor (14).

No. of Pages: 21 No. of Claims: 14

(21) Application No.10414/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: METHOD FOR MODELLING A PART IN PARTICULAR A TURBINE BLADE

(51) International classification	:G06F17/50,F01D5/14	(71)Name of Applicant:
(31) Priority Document No	:1353439	1)SNECMA
(32) Priority Date	:16/04/2013	Address of Applicant :2 boulevard du Général Martial
(33) Name of priority country	:France	Valin F 75015 Paris France
(86) International Application No	:PCT/FR2014/050934	(72)Name of Inventor:
Filing Date	:16/04/2014	1)CELLIER Damien Joseph
(87) International Publication No	:WO 2014/170612	2)PERROT Vincent Paul Gabriel
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for modelling a part (1) the method being characterised in that it comprises implementing using data processing means (11) of a piece of equipment (10) steps of: (a) parameterising a curve of class C1 representing the value of a physical quantity characterising said part (1) as a function of a position along at least one portion of the part (1) the curve being defined by: a. two end points (PCU PCU) defining the extent of said portion of the part (1); b. at least one intermediate point PCU ?[[1 1]]) located between the two end points (PCU PCU); c. at least two Bezier curves connected to said intermediate point; the parameterisation being carried out using one or more parameters defining said intermediate point; (b) determining optimised values for said parameters of said curve; and (c) returning the determined values to an interface (13) of said piece of equipment (10).

No. of Pages: 34 No. of Claims: 17

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MULTISTAGE PROCESS FOR PRODUCING POLYETHYLENE COMPOSITIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C08F2/00 :13004879.6	(71)Name of Applicant:  1)BOREALIS AG  Address of Applicant: IZD Tower Wagramenstrasse 17 19 A
(32) Priority Date	:10/10/2013	1220 Wien Austria
<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>	:EPO :PCT/EP2014/002587 :24/09/2014 :WO 2015/051878 :NA :NA :NA	(72)Name of Inventor: 1)HJERTBERG Thomas 2)TUPE Ravindra 3)WAHNER Udo 4)PIEL Tanja 5)LIU Yi 6)ALBUNIA Alexandra Romina 7)PRADES Floran 8)THORMAN Joseph 9)JEREMIC Dusan

# (57) Abstract:

A process for polymerizing ethylene in the presence of a polymerization catalyst by copolymerizing ethylene with a comonomer selected from the group of C4 C10 alpha olefins in three polymerization stages. The polymers produced in the three stages have different melt flow rates. The polymer composition produced by the process has good mechanical properties and can be used for making pipes. The process has a good productivity and provides a stable and economic operation.

No. of Pages: 30 No. of Claims: 15

(21) Application No.10228/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ADAPTER CAPS FOR SAMPLE COLLECTION CONTAINERS AND ASSOCIATED MOLDS WITH CORE PINS AND RELATED METHODS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/815395 :24/04/2013	1)BIOMERIEUX INC. Address of Applicant: 100 Rodolphe Street Durham NC 27712
(33) Name of priority country (86) International Application No Filing Date	:U.S.A. :PCT/US2014/034766 :21/04/2014	U.S.A. (72)Name of Inventor: 1)PHILIPAK Stanley Michael 2)CRANDALL Samuel B.
(87) International Publication No	:WO 2014/176152	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Adapter caps for sample collection containers have a monolithic elongate body with an upper neck portion that merges into a larger lower body portion with an open internal cavity. The upper neck portion has an open needle bore that is concentrically aligned with the open internal cavity. The monolithic elongate body has an axially extending centerline. The needle bore has a downwardly extending wall with an inner surface that comprises a plurality of circumferentially spaced apart longitudinally extending flat surfaces.

No. of Pages: 33 No. of Claims: 24

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SPIRAL CONVEYOR WITH CONTROLLED TAKE UP

(51) International classification	:B65G21/18,B65G15/30	(71)Name of Applicant:
(31) Priority Document No	:61/816185	1)LAITRAM L.L.C.
(32) Priority Date	:26/04/2013	Address of Applicant :Legal Department 200 Laitram Lane
(33) Name of priority country	:U.S.A.	Harahan LA 70123 U.S.A.
(86) International Application No	:PCT/US2014/034914	(72)Name of Inventor:
Filing Date	:22/04/2014	1)BOGLE David W.
(87) International Publication No	:WO 2014/176214	2)MAYS Jonathan W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A spiral conveyor and a method for taking up slack in a modular conveyor belt traveling a helical path. The spiral conveyor includes a rotating cylindrical drive drum with parallel drive members extending from the bottom to the top of the drum on its periphery. Each drive member includes an outwardly protruding ridge extending from the bottom to the top of the drum for engaging the inside edges of the belt. A motor driven take up shaft and shaft mounted sprocket set takes up slack in the belt after its release from the drum. To control tension at the discharge of the belt from the drive drum the take up motor is normally operated in a closed loop control mode but switches to an open loop constant speed control mode when the take up motor stalls.

No. of Pages: 17 No. of Claims: 25

(21) Application No.10230/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A LOW SODIUM SALT COMPOSITION

(51) International classification :A23L1/22,A23L1/237 (71)Name of Applicant : (31) Priority Document No 1)S&P INGREDIENT DEVELOPMENT LLC :13/863775 (32) Priority Date Address of Applicant :5400 Opportunity Court Suite 120 :16/04/2013 (33) Name of priority country :U.S.A. Minnetonka Minnesota 55343 U.S.A. (86) International Application No :PCT/US2014/034405 (72) Name of Inventor: Filing Date :16/04/2014 1)BHANDARI Pratik N. (87) International Publication No :WO 2014/172483 2) CHIGURUPATI Sambasiva Rao (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 a low sodium salt composition and the methods used to make it. In particular the invention relates to the combined processing of sodium and potassium chloride to produce a low sodium salt composition. The low sodium salt composition includes sodium chloride and a modified chloride salt composition. The modified chloride salt composition includes a homogenous amalgamation of chloride salts food grade acidulant and carrier.

No. of Pages: 38 No. of Claims: 26

(21) Application No.10231/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/04/2014 :WO 2014/181847 :NA :NA	(71)Name of Applicant:  1)NEC CORPORATION  Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor:  1)AWAD Yassin Aden
Filing Date	:NA	

#### (57) Abstract:

A communication system is provided in which a communication node can allocate resources for another communication node within a number of consecutive subframes using a single control message. The other communication node receives codewords transmitted over using the allocated resources aggregates ACK/NACK feedback for the received codewords and transmits the aggregated ACK/NACK feedback to the communication node for use in controlling subsequent transmission of new codewords or retransmission of previous codewords.

No. of Pages: 38 No. of Claims: 23

(21) Application No.10420/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: JOINT STRUCTURE AND JOINING METHOD THEREFOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F16L13/14,B21D39/04 :2013105499 :17/05/2013 :Japan	(71)Name of Applicant: 1)NSK LTD. Address of Applicant: 6 3 Ohsaki 1 chome Shinagawa ku Tokyo 1418560 Japan
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/JP2013/007481 :19/12/2013 :WO 2014/184832 :NA :NA :NA	(72)Name of Inventor : 1)KAWAHARA Hiroshi 2)SUGITA Sumio

#### (57) Abstract:

The purpose of the present invention is to provide: a joint structure with which members configuring the joint structure can be suitably joined; and a joining method therefor. Accordingly a joint structure (1) is provided with: a shaft member (10); and a cylindrical member (20) which has an inner peripheral surface thereof fitted to an outer peripheral surface of the shaft member (10). The cylindrical member (20) is provided with: a first press joined portion (21) which is press joined along axial direction grooves (11) provided to the shaft member (10) in an axial direction; and a second press joined portion (22) which engages with the axial direction grooves (11) and which is press joined along a peripheral direction groove (12) provided to a peripheral surface of the shaft member (10) by radially reducing the diameter of an intermediate portion in the axial direction.

No. of Pages: 39 No. of Claims: 10

(21) Application No.10408/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: ELEVATOR SYSTEM

(51) International classification	:B66B1/20,B66B3/00	(71)Name of Applicant:
(31) Priority Document No	:2013087037	1)HITACHI LTD.
(32) Priority Date	:18/04/2013	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008280 Japan
(86) International Application No	:PCT/JP2014/059079	(72)Name of Inventor:
Filing Date	:28/03/2014	1)HATORI Takahiro
(87) International Publication No	:WO 2014/171296	2)MAEHARA Tomoaki
(61) Patent of Addition to Application	:NA	3)HOSHINO Takamichi
Number		4)TORIYABE Satoru
Filing Date	:NA	5)AIDA Keiichi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This elevator system comprises a group management control system that manages the operation of a plurality of elevator cars and is provided with: a destination floor user number totaling processing unit that totals the number of passengers boarding from each floor from the number of times that a destination floor call is registered and totals the number of passengers disembarking at each floor from the passenger number for each destination floor call; and a processing unit for predicting the number of people within an elevator car that calculates the number of passengers in an elevator car as a prediction value from the determined number of passengers boarding from each floor the number of passengers disembarking at each floor and the number of people who are currently in the elevator car. The name of an elevator car and/or the floor(s) at which said elevator car will stop are announced for an elevator car that it is determined to be an elevator car that will not reach full capacity on the basis of the prediction value. As a result elevator transport capacity is improved during periods of congestion even when the boarding area is in a saturated state due to the number of people who are present in said boarding area.

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

(21) Application No.10409/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ENCAPSULATES

:NA

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li></ul>	:C11D3/37,C11D3/386,C11D3/40 :13168427.6 :20/05/2013 :EPO :PCT/US2014/038857 :20/05/2014 :WO 2014/189980 :NA :NA	(71)Name of Applicant:  1)PGIOSA  Address of Applicant: 47 Route de Saint Georges 1213 Petit Lancy 1 CH 00000 Geneva Switzerland (72)Name of Inventor:  1)GASULL MORALES Albert 2)SMETS Johan 3)FERNANDEZ PRIETO Susana 4)RODRIGO GOMEZ Raul 5)QUANSAH Jennifer Efua Kwansima
` '	:NA	5)QUANSAH Jennifer Efua Kwansima
Number	:NA	

# (57) Abstract:

Filing Date

The present application relates processes that can be used to produce encapsulated benefit agents comprising a core and a shell that encapsulates said core encapsulated benefit agents produced by such process and products comprising such encapsulated benefit agents as well as methods of making and using such products. Such process can be used to produce particles that offer the desired protection and release benefits when used in a varity of products.

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

(21) Application No.10410/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD AND CATALYST SYSTEM FOR PREPARING POLYMERS AND BLOCK **COPOLYMERS**

(51) International :C08G63/42,C08G63/64,C08G63/82

classification

(31) Priority Document No :1308978.4 (32) Priority Date :17/05/2013

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

(86) International :PCT/GB2014/051511 Application No

:16/05/2014 Filing Date

(87) International Publication :WO 2014/184578

(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)IMPERIAL INNOVATIONS LIMITED

Address of Applicant: 52 Princes Gate London SW7 2PG U.K.

(72)Name of Inventor:

1)WILLIAMS Charlotte Katherine

2) ROMAIN Charles 3)KEMBER Michael

### (57) Abstract:

The present invention provides methods for producing block copolymers either by the sequential addition of monomers or using a "one pot" method. The invention also relates to novel methods for producing polyesters by ring opening lactides and/or lactones and by copolymerising anhydrides and epoxides.

No. of Pages: 99 No. of Claims: 16

(21) Application No.10411/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: CASTING APPARATUS AND METHOD OF CONTROLLING SAID APPARATUS

(51) International :C21B3/08,B65G17/12,B65G17/36 classification

:WO 2014/184260

(31) Priority Document No :LU 92 197 (32) Priority Date :14/05/2013 (33) Name of priority country: Luxembourg

(86) International Application :PCT/EP2014/059881

:14/05/2014 Filing Date

(87) International Publication

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)PAUL WURTH S.A.

Address of Applicant :32 rue dAlsace L 1122 Luxembourg

Luxembourg

(72) Name of Inventor: 1)TOCKERT Paul

2)DE GRUITER Christian

(57) Abstract:

A method or apparatus for dry slag granulation of hot liquid slag using a casting apparatus comprising an endless conveyor having a plurality of casting moulds which endless conveyor is arranged to move said casting moulds in a first section from a slag pouring zone through a cooling zone to a discharge zone and in a second section back to the slag pouring zone comprising the continuous steps of pouring an amount of hot liquid slag into a casting mould in a position N in the slag pouring zone moving the hot liquid slag containing casting mould in a position N+n within the cooling zone adding solid metallic particles to the hot liquid slag containing casting mould in position N+n by dropping a determined amount of said metallic particles into the mould from a dispensing device arranged above said mould and comprising at least one hopper for storing said solid metallic particles discharging the cooled solidified slag from the mould in the discharge zone wherein the actual amount of hot liquid slag poured in the casting mould is measured in a position between N and N+n wherein the speed of movement is adapted based on the measured amount of hot liquid slag wherein the amount of metallic particles is determined based on a fixed slag/metallic particle ratio wherein the amount of metallic particles added by the dispensing device is controlled by opening of the at least one actuated sliding gate arranged at the hopper's outlet during a time determined based on the speed and wherein the opening stroke of the at least one actuated sliding gate is determined based on the determined amount of metallic particles the determined opening time and characteristics of the at least one sliding gate.

No. of Pages: 35 No. of Claims: 26

(21) Application No.10415/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : 11 HYDROXYL DERIVATIVES OF BILE ACIDS AND AMINO ACID CONJUGATES THEREOF AS FARNESOID X RECEPTOR MODULATORS

(51) International classification (31) Priority Document No	1:C07J9/00,C07J41/00,A61K31/575 :61/823169	(71)Name of Applicant: 1)TES PHARMA SRL.
(32) Priority Date	:14/05/2013	Address of Applicant :via Settevalli 556, 1-06129 Perugia
(32) Phority Date (33) Name of priority country		(IT). U.S.A.
(86) International Application No Filing Date	:PCT/EP2014/059896 :14/05/2014	(11). U.S.A. (72)Name of Inventor: 1)PELLICCIARI Roberto
(87) International Publication No	:WO 2014/184271	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention provides a compound of formula (I) or a pharmaceutically acceptable salt solvate or amino acid conjugate thereof wherein R is a hydroxy group and R R R R and R are as described herein. The present invention relates generally to selective FXR agonists and to methods of making and using them.

No. of Pages: 61 No. of Claims: 81

(21) Application No.10416/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NEUTRALLY CHARGED SYNTHETIC PLATELETS TO MITIGATE COMPLEMENT RESPONSE

(51) International classification (31) Priority Document No	:A61K47/30 :61/812642	(71)Name of Applicant: 1)CASE WESTERN RESERVE UNIVERSITY
(32) Priority Date	:16/04/2013	Address of Applicant :Sears Building Sixth Floor 10900
(33) Name of priority country	:U.S.A.	Euclid Avenue Cleveland OH 44106 U.S.A.
(86) International Application No	:PCT/US2014/034176	(72)Name of Inventor:
Filing Date	:15/04/2014	1)LAVIK Erin
(87) International Publication No	:WO 2014/172355	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention provides for compositions comprising nanoparticles comprising a core water soluble polymer and an RGD peptide and a poloxamer.

No. of Pages: 77 No. of Claims: 47

(21) Application No.10417/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : IN SILICO METHOD TO IDENTIFY THE IMPORTANT BIOMARKERS AND COMBINATORIAL ONCOPROTEINS IN TARGET BASED CANCER 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>	:G01N33/574,G06F1/00 :1231/DEL/2013 :21/07/2013 :India :PCT/IN2014/000478 :21/07/2014 :WO 2015/011721 :NA :NA	(71)Name of Applicant:  1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH  Address of Applicant: Anusandhan Bhawan Rafi Marg New Delhi 110 001 Delhi India (72)Name of Inventor:  1)SARKAR RamRup 2)CHOWDHURY Saikat
Filing Date	:NA	

## (57) Abstract:

The invention is directed to in silico method to identify novel combinatorial oncoproteins that inhibit hedgehog pathway activity in various cancer cell lines required for the treatment of cancer. The invention in particular relates to in silico method to identify combinatorial oncoproteins as potential drug targets in the treatment of Glioma Colon and Pancreatic Cancer.

No. of Pages: 74 No. of Claims: 34

(21) Application No.10419/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: TOOTH CLEANING DEVICE

(51) International :A46B3/00,A61C15/02,A61C15/00

classification

(31) Priority Document No :TO2013U000060 (32) Priority Date :11/04/2013

(33) Name of priority country: Italy

(86) International Application :PCT/IT2014/000079

:26/03/2014 Filing Date

(87) International Publication :WO 2014/167592

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

(71)Name of Applicant:

1)SPADA FORNITURE DI SPADA GIUSEPPE

Address of Applicant: Via Canonico Maffei 58 I 10077 San

Maurizio Canavese (TO) Italy (72)Name of Inventor:

1)ADRIANO Davide

2)ADRIANO Gabriele

#### (57) Abstract:

A tooth cleaning device (1) is described comprising at least one supporting body (3) and at least one tooth cleaning appendix (5) such tooth cleaning appendix (5) being made of a first material and such supporting body (3) being made of a second material such first material being more flexible than such second material such first material being at least one thermosetting plastic material.

No. of Pages: 22 No. of Claims: 18

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HETEROARYL IMIDAZOLONE DERIVATIVES AS JAK 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 Filing Date</li> </ul>	:C07C :10382174.0 :15/06/2010 :EPO :PCT/EP2011/002917 :14/06/2011 :WO/2011/157397 :NA :NA	(71)Name of Applicant:  1)ALMIRALLÂ S.A.  Address of Applicant:Ronda del General Mitre 151 E- 08022 Barcelona Spain (72)Name of Inventor:  1)PAUL ROBERT EASTWOOD  2)JACOB GONZALEZ RODRIGUEZ 3)ELENA GOMEZ CASTILLO 4)JORDI BACH TANA
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# (57) Abstract:

New heteroaryl imidazolone derivatives having the chemical structure of formula (I) disclosed; as well as process for their preparation, pharmaceutical compositions comprising them and their use in therapy as inhibitors of Janus Kinases (JAK).

No. of Pages: 298 No. of Claims: 27

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : NETWORK ELEMENT CELLULAR COMMUNICATION SYSTEM AND METHOD 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>		(71)Name of Applicant:  1)IP. ACCESS LIMITED  Address of Applicant: Building 2020Â Cambourne Business Park Cambourne Cambridge CB23 6DW U.K. (72)Name of Inventor:  1)MICHAEL ERIC MORRIN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A network element for supporting communication within at least one cell of a cellular communication network comprises a signal processing module arranged to identify when a first cell supported by the network element is in a capacity state, and in response thereto, indicate the first cell as being in a restricted access state within system information broadcast within the first cell and valid for wireless communication units in a connected mode state. The signal processing module is further arranged, upon receipt of a connection request message from a wireless communication unit within the first cell, to determine whether the first cell is in a capacity state, and, in response to determining that the first cell is in a capacity state, to cause the wireless communication unit from which the connection request message was received to enter a connected mode state.

No. of Pages: 29 No. of Claims: 13

(21) Application No.11104/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "SIMULATING A TERRAIN VIEW FROM AN AIRBORNE POINT OF VIEW†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:27/05/2011 :WO/2011/148199 :NA :NA :NA	(71)Name of Applicant:  1)BAE SYSTEMS PLC Address of Applicant: 6 Carlton Gardens London SW1Y  5ADÂ U.K. (72)Name of Inventor: 1)ANDREW JOHN STANNARD 2)MARK GREEN 3)JOHN SNAPE
Filing Date	:NA :NA	

#### (57) Abstract:

A method of simulating a terrain view from the point of view of an airborne object and a terrain view simulation system which obtain a geo-referenced terrain to the airborne object, correlate in a computer the position and orientation information with the geo-referenced view of the terrain as seen from the airborne object, and display this simulated view.

No. of Pages: 19 No. of Claims: 23

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CO SOLVENT TO PRODUCE REACTIVE INTERMEDIATES FROM BIOMASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12P7/10 :61/816713 :27/04/2013 :U.S.A. :PCT/US2014/035506 :25/04/2014 :WO 2014/176531 :NA :NA	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  Address of Applicant:1111 Franklin Street 5th Floor Oakland CA 94607 5200 U.S.A. (72)Name of Inventor:  1)CAI Charles M.  2)WYMAN Charles E.  3)ZHANG Taiying 4)KUMAR Rajeev
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#### (57) Abstract:

The disclosure provides a system for production of reactive intermediates from lignocellulosic biomass. The reactive intermediates can be used as platform chemicals for biological conversions or can be further catalytically upgraded to be used as "drop in" reagents for fuels. The disclosure provides methods and compositions useful for processing biomass to biofuels and intermediates.

No. of Pages: 86 No. of Claims: 56

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NON INVASIVE MEASUREMENT OF BLOOD OXYGEN SATURATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61B5/145 :61/362917 :09/07/2010 :U.S.A. :PCT/AU2011/000868 :08/07/2011 :WO 2012/003550	(71)Name of Applicant:  1)ST. VINCENTS HOSPITAL (MELBOURNE) LIMITED Address of Applicant:41 Victoria Parade Fitzroy Victoria 3065 Australia (72)Name of Inventor: 1)DIXON Barry 2)STODDART Paul Randall
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	2)STODDAKT Faul Kalluan

### (57) Abstract:

A method for non invasive determination of oxygen saturation of blood within a deep vascular structure of a human or animal patient comprising locating on skin of the patient in a vicinity of the deep vascular structure of interest emitter and receiver elements of a light oximeter device wherein optimal location of said elements is achieved through matching of a plethysmography trace obtained from the oximeter device to known plethysmography characteristics of the deep vascular structure of interest wherein the emitter element emits light at wavelengths of from about 1045nm to about 1055nm and from about 1085nm to about 1095nm and wherein oxygen saturation is determined from a ratio of light absorbed at these two wavelengths by haemoglobin in blood within the vascular structure of interest.

No. of Pages: 38 No. of Claims: 29

(21) Application No.11126/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM FOR ENLARGING AND EXERCISING PENIS

(31) Priority Document No	:A61H19/00,A61F5/41,A61N5/06 :201020245046.7	(71)Name of Applicant: 1)LI Hui
(32) Priority Date	:18/06/2010	Address of Applicant :Room 1609 Unit 5 Building 4
(33) Name of priority country	:China	Chunjiang Garden Yangtze River Middle Road Yangzhou Jiangsu
(86) International Application No Filing Date	:PCT/CN2011/075498 :06/09/2011	225001 China (72)Name of Inventor: 1)LI Hui
(87) International Publication No	:WO 2011/157195	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An apparatus for massaging, exercising and enlarging a male"s penis comprises a sliding part (3, 8), a pedestal (5, 7, 11), etc. The sliding part (3, 8) can slide on the pedestal (5, 7, 11) and form a hole similar to the section of a penis together with the pedestal (5, 7, 11), and the penis can be tightly hooped by reducing the hole size. A male exercises and massages the penis by using the apparatus, and the cavernous body of the penis is expanded through expansion caused by pushing and extruding the blood so as to achieve the purpose of lengthening and thickening the penis. The apparatus can be used for solving the problem of short male genital organs, enhancing the pleasure of the sex life, improving the erection and prolonging the time of the sex life.

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

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CONTROL ARRANGEMENT AND METHOD IN FUEL CELL SYSTEM

(51) International classification :H01M8/04,F (31) Priority Document No :20105697 (32) Priority Date :16/06/2010 (33) Name of priority country :Finland

(86) International Application No
Filing Date

1. Initial
PCT/FI2011/050316
1. 12/04/2011

(87) International Publication No :WO 2011/157887

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

:H01M8/04,H01M8/06 (71)**Name of Applicant :** 

1)WÃ,,RTSILÃ,, FINLAND OY

Address of Applicant: Tarhaajantie 2 FI 65380 Vaasa Finland

(72)Name of Inventor: 1)NOPONEN Matti 2)Ã...STRÃ-M Kim

#### (57) Abstract:

The focus of the invention is a control arrangement in a fuel cell system for producing electricity with fuel cells each fuel cell in the fuel cell system comprising an anode side (100) a cathode side (102) and an electrolyte (104) between the anode side and the cathode side and the fuel cell system comprising means (109) for recirculating fuel through the anode sides of the fuel cells and at least one system controller (200) in a control processor (210) for controlling the operation of the fuel cell system. The control arrangement comprises means (202) for performing an essentially asynchronous chemical reaction rates calculation process of at least one of fuel composition and fuel flow rate to accomplish information in an essentially iterative process on at least recirculation ratio of the fuel recirculation through anodes (100) and means (204) for generating in an essentially synchronous process with the system controller (200) process fuel utilization (FU) information and Carbon formation information by utilizing the latest available recirculation ratio information provided by said asynchronous process. The control arrangement also comprises means (206) for performing an active cyclic system control and system monitoring process by utilizing said FU information and Carbon formation information and said means (202) for processing the asynchronous process essentially simultaneously with the synchronous process so that said active cyclic system control and system monitoring process is processed below maximum allowed execution interval.

No. of Pages: 22 No. of Claims: 12

(21) Application No.10267/DELNP/2015 A

(19) INDIA

country

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLID PHARMACEUTICAL COMPOSITION

(51) International :A61K31/4709,A61K9/14,A61K47/12

classification .A01K31/4709,A01K9/14
(31) Priority Document No :2013092169

(32) Priority Date :25/04/2013
(33) Name of priority :Japan

(86) International :PCT/JP2014/002309

Application No Filing Date :24/04/2014

(87) International Publication No :WO 2014/174847

(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)KYORIN PHARMACEUTICAL CO. LTD.

Address of Applicant :6 Kanda Surugadai 4 chome Chiyoda

ku Tokyo 1018311 Japan (72)Name of Inventor: 1)UCHIDA Hiroshi 2)HANADA Masataka

3)MIYAZAKI Yoshikazu

(57) Abstract:

To provide a novel solid pharmaceutical composition which contains a medically active component and which can suppress delays in the release of said component due to gelling. [Solution] This solid pharmaceutical composition contains a compound represented by general formula (1) or a salt thereof a cellulosic excipient and a salting out agent.

No. of Pages: 68 No. of Claims: 18

(21) Application No.10268/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLID PHARMACEUTICAL COMPOSITION

(51) International classification :A61K31/4709,A61K9/30,A61K9/32

(31) Priority Document No :2013092171 (32) Priority Date :25/04/2013 (33) Name of priority

country :Japan

(86) International :PCT/JP2014/002308

Application No Filing Date :24/04/2014

(87) International :WO 2014/174846

(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)KYORIN PHARMACEUTICAL CO. LTD.

Address of Applicant :6 Kanda Surugadai 4 chome Chiyoda

ku Tokyo 1018311 Japan (72)Name of Inventor: 1)UCHIDA Hiroshi 2)HANADA Masataka

## (57) Abstract:

To provide a solid pharmaceutical composition which contains a compound represented by general formula (1) or a salt thereof and suppresses decomposition of said compound or salt thereof and a production method of said solid pharmaceutical composition. [Solution] This solid pharmaceutical composition contains a compound represented by general formula (1) or a salt thereof a cellulosic excipient and an acidic substance of pH4.0 or less.

No. of Pages: 59 No. of Claims: 9

(21) Application No.10269/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: REPRESENTATION AND IDENTIFICATION OF ACTIVITY PATTERNS DURING ELECTRO PHYSIOLOGY MAPPING USING VECTOR FIELDS

(51) International

:A61B5/00,G06K9/00,A61B5/0452

classification (31) Priority Document No

:61/823386

(32) Priority Date

:14/05/2013

(33) Name of priority country: U.S.A. (86) International Application

:NA

No

:PCT/US2014/000114

Filing Date

:14/05/2014

(87) International Publication :WO 2014/185977

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)BOSTON SCIENTIFIC SCIMED INC.

Address of Applicant :One Scimed Place Maple Grove MN

55311 U.S.A.

(72)Name of Inventor:

1)THAKUR Pramodsingh H.

2)SHOME Shibaji

3)ARCOT KRISHNAMURTHY Shantha

4)SHUROS Allan C. 5)MASKARA Barun 6)SAHA Sunipa

### (57) Abstract:

A method and system for mapping an anatomical structure includes sensing activation signals of intrinsic physiological activity with a plurality of mapping electrodes disposed in or near the anatomical structure each of the plurality of mapping electrodes having an electrode location. A vector field map which represents a direction of propagation of the activation signals at each electrode location is generated to identify a signature pattern and a location in the vector field map according to at least one vector field template. A target location of the identified signature pattern is identified according to a corresponding electrode location.

No. of Pages: 28 No. of Claims: 20

(22) Date of filing of Application :24/12/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: HEAT REGULATING GLASS BENDING APPARATUS AND METHOD

:C03B23/023,C03B23/03 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/335679 (32) Priority Date :22/12/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/057854 Filing Date :28/09/2012

(87) International Publication No :WO 2013/095744

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

1)SUNPOWER CORPORATION

Address of Applicant: 77 Rio Robles San Jose CA 95134

U.S.A.

(72) Name of Inventor:

1)SOUNNI Amine Berrada 2)LINDERMAN Ryan J.

#### (57) Abstract:

A sag bending system is disclosed. The sag bending system comprises a sag bending glass support mold and a perimeter thermal manager. The sag bending glass support mold has a quadrilateral shape a collective upper surface and a periphery. The support mold comprises a plurality of rib members extending in a first direction each of the plurality of rib members having a curved upper surface shaped to form the collective upper surface having a position and shape to support a quadrilateral shaped sag bent glass sheet into a desired contour each of the rib members further having a lower surface and a plurality of support members extending in a second direction between at least two of the plurality of rib members the second direction traverse to the first direction. The periphery of the support mold is formed by the edges of the rib members. The perimeter thermal manager is sized and positioned to surround to extend at least partially over and to extend at least partially under the periphery of the support mold. The thermal manager comprises an upper portion sized and positioned to extend over the periphery portion of the collective upper surface the upper portion extending over the upper surface of at least one rib member and a lower portion sized and positioned to extend under the periphery portion of the support mold the lower portion extending under the lower surface of the at least one rib member.

No. of Pages: 40 No. of Claims: 20

(21) Application No.11156/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: THERMAL TRACKING FOR SOLAR 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>	:H01L31/052,F24J2/38 :13/250825 :30/09/2011 :U.S.A. :PCT/US2012/057770 :28/09/2012 :WO 2013/049471 :NA :NA	(71)Name of Applicant:  1)SUNPOWER CORPORATION Address of Applicant: 77 Rio Robles San Jose CA 95134 U.S.A. (72)Name of Inventor: 1)LINDERMAN Ryan J.
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A thermal tracking system for a concentrating photovoltaic system is disclosed. The thermal tracking system comprises a photovoltaic receiver. The photovoltaic receiver comprises a photovoltaic laminate and a heat spreader. The thermal tracking system further comprises first and second thermal sensors coupled to the photovoltaic laminate and sensing two temperatures of the laminate. The thermal tracking system also comprises third and fourth thermal sensors positioned adjacent the heat spreader and sensing two temperatures near the heat spreader.

No. of Pages: 54 No. of Claims: 24

(21) Application No.10243/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:03/11/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: ARYLQUINAZOLINES

(51) International

:C07D405/14,C07D401/10,C07D403/10

:10 2013 008 118.1

:PCT/EP2014/001236

:11/05/2013

:08/05/2014

:Germany

classification

(31) Priority Document

(32) Priority Date (33) Name of priority

country

(86) International Application No

Filing Date (87) International

:WO 2014/183850 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)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250 64293

Darmstadt Germany

(72)Name of Inventor: 1)FUCHSS Thomas

2)EMDE Ulrich

3)BUCHSTALLER Hans Peter

4)MEDERSKI Werner

# (57) Abstract:

The invention relates to novel compounds of formula (I) that can be used to inhibit serine/threonine protein kinases and to sensitize cancer cells with respect to anti cancer agents and/or ionizing radiation.

No. of Pages: 228 No. of Claims: 20

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : PROCESSES AND APPARATUSES FOR PRODUCING AROMATIC COMPOUNDS FROM A NAPHTHA FEED STREAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:C10G35/00 :13/922030 :19/06/2013 :U.S.A. :PCT/US2014/042038 :12/06/2014 :WO 2014/204766 :NA :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant: 25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A. (72)Name of Inventor: 1)WEGERER David A. 2)PANDYA Keyur Y.
(61) Patent of Addition to Application	:NA	2)PANDYA Keyur Y.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Processes and apparatuses for producing aromatic compounds from a naphtha feed stream are provided herein. In an embodiment a process for producing aromatic compounds includes heating the naphtha feed stream to produce a heated naphtha feed stream. The heated naphtha feed stream is reformed within a plurality of reforming stages that are arranged in series to produce a downstream product stream. The plurality of reforming stages is operated at ascending reaction temperatures. The naphtha feed stream is heated by transferring heat from the downstream product stream to the naphtha feed stream to produce the heated naphtha feed stream and a cooled downstream product stream.

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

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR STORAGE AND/OR INTRODUCTION OF IMPLANT FOR HOLLOW ANATOMICAL STRUCTURE

(51) International classification:A61B(31) Priority Document No:61/357,095(32) Priority Date:22/06/2010(33) Name of priority country:U.S.A.(86) International Application No:PCT/US2011

Filing Date :21/06/2011 (87) International Publication No :WO 2011/041143

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

(62) Divisional to Application Number :10329/DELNP/2012 Filed on :27/11/2012 (71)Name of Applicant: 1)COVIDIEN LP

Address of Applicant :15 HAMPSHIRE STREET,

MANSFIELD, MASSACHUSETTS 02048, UNITED STATES

:PCT/US2011/041143 OF AMERICA U.S.A.

(72)Name of Inventor: 1)RAY, MIRANDA, M. 2)NGUYEN, HOA, D.

3)RODRIGUEZ, JOHN, W.

#### (57) Abstract:

One embodiment of the apparatus comprises a housing with a sheath portion projecting distally therefrom. The sheath portion has a sheath with a lumen, and a bearing surface in the sheath lumen or aligned with the sheath lumen, and located at or near a distal end of the sheath. The implant is at least partially positioned in the apparatus, and comprises an implant body and a tether connected to the implant body. The tether extends from the implant body distally within the sheath portion and around the bearing surface, where the tether changes direction, and extends back proximally from the bearing surface along and within the sheath portion. The apparatus is configured to move the first tether portion proximally and thereby draw the implant body distally along and within the sheath lumen.

No. of Pages: 61 No. of Claims: 12

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR STORAGE AND/OR INTRODUCTION OF IMPLANT FOR HOLLOW ANATOMICAL STRUCTURE

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
:PCT/US2011

Filing Date :21/06/2011

(87) International Publication No :WO 2011/041143

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

(62) Divisional to Application Number :10329/DELNP/2012 Filed on :27/11/2012 (71)Name of Applicant: 1)COVIDIEN LP

Address of Applicant :15 HAMPSHIRE STREET,

MANSFIELD, MASSACHUSETTS 02048, UNITED STATES

:PCT/US2011/041143 OF AMERICA U.S.A.

(72)Name of Inventor: 1)RAY, MIRANDA, M.

2)NGUYEN, HOA, D.

3)RODRIGUEZ, JOHN, W.

#### (57) Abstract:

One embodiment of the apparatus comprises a housing with a sheath portion projecting distally therefrom. The sheath portion has a sheath with a lumen, and a bearing surface in the sheath lumen or aligned with the sheath lumen, and located at or near a distal end of the sheath. The implant is at least partially positioned in the apparatus, and comprises an implant body and a tether connected to the implant body. The tether extends from the implant body distally within the sheath portion and around the bearing surface, where the tether changes direction, and extends back proximally from the bearing surface along and within the sheath portion. The apparatus is configured to move the first tether portion proximally and thereby draw the implant body distally along and within the sheath lumen.

No. of Pages: 61 No. of Claims: 7

(21) Application No.11133/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ORAL CARE IMPLEMENT

(51) International classification	:A47L13/22	(71)Name of Applicant:
(31) Priority Document No	:11/019685	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:23/12/2004	Address of Applicant :300 PARK AVENUE, NEW YORK,
(33) Name of priority country	:U.S.A.	NY 10022, USA U.S.A.
(86) International Application No	:PCT/US2005/046369	(72)Name of Inventor:
Filing Date	:21/12/2005	1)HOHLBEIN DOUGLAS JOSEPH
(87) International Publication No	:WO 2006/071676	2)MINTEL THOMAS EDWARD
(61) Patent of Addition to Application	:NA	3)BAERTSCHI ARMIN
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:4861/DELNP/2007	
Filed on	:21/12/2005	

#### (57) Abstract:

An oral care implement with a handle includes a head (506) with a tissue cleanser (508). The tissue cleanser may be a pad composed of an elastomeric material. The pad is disposed on the head on a surface opposite the tooth cleaning elements. The tissue cleanser may include a plurality of nubs (502) extending for cleaning between the papillae of the tongue. The tissue cleanser may include a plurality of conically shaped nubs. A tissue cleanser can be used to reduce oral malodor problems and remove oral epithelial cells.

No. of Pages: 33 No. of Claims: 24

(21) Application No.10284/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: COMPOSITE MOLDING MATERIAL EXTRUSION MOLDED ARTICLE AND PRODUCTION METHOD FOR COMPOSITE MOLDING MATERIAL

(51) International :C08L101/00,B29B7/90,B29C45/00 classification

(31) Priority Document No :2013081164 (32) Priority Date :09/04/2013

(33) Name of priority country: Japan

(86) International Application :PCT/JP2014/057233

No :18/03/2014 Filing Date

(87) International Publication: WO 2014/167950

(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)FUJITA Masanori

Address of Applicant: 4 21 19 Higashiogu Arakawa ku Tokyo

1160012 Japan

(72) Name of Inventor: 1)FUJITA Masanori

# (57) Abstract:

Provided is a composite molding material that enables the overall strength of the extrusion molded article to be maintained whilst the strength of the minute parts of the extrusion molded article is increased. The composite molding material the use of which enables the overall strength of the extrusion molded article to be maintained whilst the strength of the minute parts of the extrusion molded article is increased is characterized by the inclusion of: a thermoplastic resin; glass short fibers having an average fiber diameter of 1 7µm and a pre kneading fiber length of 300 1000µm; and a fibrillated reinforcing material having an average fiber diameter of 7 20µm.

No. of Pages: 54 No. of Claims: 9

(21) Application No.10285/DELNP/2015 A

1)CINEMA CONTROL LABORATORIES INC.

Address of Applicant :800A Windmill Road Dartmouth Nova

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLLING AN EQUIPMENT RELATED TO IMAGE **CAPTURE**

(51) International

:G03B17/00,G03B15/03,G03B3/10 classification

(31) Priority Document No :61/808987 (32) Priority Date :05/04/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2014/050346

No :04/04/2014 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

:WO 2014/161092

1)FISHER Antony

2)MACDONALD Michael

3)TAYLOR Julian 4)LEVY Jeffrey

(71)Name of Applicant:

Scotia B3B 1L1 Canada

(72)Name of Inventor:

## (57) Abstract:

A method and system for controlling a setting of an equipment related to image capture comprises capturing position data and orientation data of a sensing device; determining position information of a region of interest (i.e. a node) to be treated by the equipment relative to the position and orientation data of the sensing device; and outputting a control signal directed to the equipment in order to control in real time the setting of the equipment based on said position information of the region of interest.

No. of Pages: 86 No. of Claims: 39

(21) Application No.10286/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

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

(51) International classification :H01L31/048 (31) Priority Document No :13175708.0 (32) Priority Date :09/07/2013 (33) Name of priority country :EPO (86) International Application No Filing Date :26/06/2014 (87) International Publication No :WO 2015/0039 (61) Patent of Addition to Application Number Filing Date :NA :NA Filing Date :NA :NA	(71)Name of Applicant:  1)AGFA GEVAERT  Address of Applicant:IP Department 3622 Septestraat 27 B 2640 Mortsel Belgium (72)Name of Inventor:  1)VAN AERT Hubertus 2)VERCRUYSSE Geert 3)MCKIE Simon
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#### (57) Abstract:

A backsheet (1) for a photovoltaic module (5) comprising a support (10) and a primer (11) provided on a side of the support facing a sealing layer (2) the primer comprising an acrylic resin and a crosslinking agent characterized in that the acrylic resin is a copolymer comprising at least 5 wt % of an acrylate monomer unit containing a UV absorbing group and at least 2 wt % of an acrylate monomer unit containing a crosslinkable group both relative to the total weight of monomer units.

No. of Pages: 50 No. of Claims: 15

(22) Date of filing of Application :24/12/2012 (43) Publication Date: 05/02/2016

# (54) Title of the invention: PROVIDING A MARKETPLACE FOR SOFTWARE SERVICES

(51) International classification: G06F15/16,G06F9/44,G06Q50/00 (71) Name of Applicant:

(31) Priority Document No :61/384803 (32) Priority Date :21/09/2010

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

(86) International Application :PCT/US2011/052195

No :19/09/2011

Filing Date

(87) International Publication

:WO 2012/040120

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

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

(57) Abstract:

1)EBAY INC.

Address of Applicant :2145 Hamliton Avenue San Jose

California 95125 U.S.A. (72) Name of Inventor: 1)KASSAEI Farhang

2)KANDASWAMY Senthil Kumar

A marketplace machine may provide a marketplace for the software service developed by a developer. The marketplace machine may register a software service configure a server to provide the software service and advertise the software service to potential consumers (e.g. other developers). The marketplace machine may receive a request (e.g. a call) to invoke the software service route the request to a server configured to provide the software service and record (e.g. meter) the usage of the software service. When the software service is invoked by a consumer the marketplace machine may charge the consumer a fee for usage of the software service. Furthermore the marketplace machine may generate and provide a report that indicates usage of the software service.

No. of Pages: 54 No. of Claims: 39

(21) Application No.11191/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEVICE FOR DEPLOYING A FLEXIBLE IMPLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61F9/00 :1011313.2 :05/07/2010 :U.K. :PCT/GB2011/051262 :05/07/2011 :WO 2012/004592 :NA :NA :NA	(71)Name of Applicant:  1)UCL BUSINESS PLC Address of Applicant: The Network Building 97 Tottenham Court Road London W1T 4TP U.K. (72)Name of Inventor: 1)COFFEY Peter 2)DA CRUZ Lyndon 3)CHEETHAM Karen
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## (57) Abstract:

The invention relates to devices and methods for deploying an implant. Preferably the device (10) deploys a flexible implant in an eye. In one embodiment the device comprises a distal end and a proximal end wherein the distal end is constructed and arranged to cause said implant to be flexed into a curved configuration when in a carried position and the device is configured to urge said flexed implant from said carried position to a deployed position. Embodiments with removable tips (13) and wheel actuators (14) are also disclosed.

No. of Pages: 57 No. of Claims: 46

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: LAMINATE FUSION DRAW APPARATUS AND METHOD OF USE THEREOF

(51) International classification: C03B5/26, C03B17/02, C03B17/06 (71) Name of Applicant:

(31) Priority Document No :61/822464 (32) Priority Date :13/05/2013

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

(86) International Application :PCT/US2014/037236

No Filing Date

:08/05/2014

(87) International Publication

:WO 2014/186196

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

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

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72) Name of Inventor:

1)DE ANGELIS Gilbert

2)LEGALLIC Bruno

### (57) Abstract:

A laminate fusion draw apparatus including: a core isopipe having a first core melter; a clad isopipe having a clad melter; a first core down comer between the core melter and the core isopipe; and a second clad down comer between the clad melter and the clad isopipe the second clad down comer having an independently adjustable linear and horizontal position with respect to a fixed horizontal position of the first down comer and the core melter and the clad melter are linearly moveable for relative movement in the same or opposite horizontal direction as described herein. Also disclosed is a method of using the apparatus where the first core down comer remains substantially centered or concentric on the first inlet tube and the second clad down comer remains substantially centered or concentric on the second inlet tube.

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

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ALKALI METAL ION SOURCE WITH MODERATE RATE OF ION RELAEASE AND METHODS OF FORMING

<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>	:C01F11/00,C22B1/00,C05G1/00 :61/819699 :06/05/2013 :U.S.A.	(71)Name of Applicant:  1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY Address of Applicant: 77 Massachusetts Avenue Cambridge MA 02139 U.S.A.
(86) International Application No Filing Date (87) International Publication	:PCT/US2014/036963 :06/05/2014 :WO 2014/182693	<ul><li>(72)Name of Inventor:</li><li>1)SKORINA Taisiya</li><li>2)ALLANORE Antoine</li></ul>
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An alkali metal ion source with a moderate rate of release of the ion (e.g. potassium) is formed by a method that includes: 1) combining an particulate ore that contains at least one of an alkali metal ion bearing framework silicate (e.g. syenite ore) with at least one of an oxide and hydroxide of at least one of an alkali metal and alkaline earth metal such as calcium hydroxide; 2) milling the mixture of these two components optionally with water optionally milling the dry components separately and blended thereafter optionally with water; 3) forming a mixture by adding water to the solid mixture after milling if water was not added before milling; 4) exposing the mixture to an elevated temperature and pressure to form a gel that includes silica and the alkali metal of the framework silicate.

No. of Pages: 30 No. of Claims: 57

(21) Application No.11181/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SUPPORT FOR SOLAR ENERGY COLLECTORS

(51) International :H01L31/042,F24J2/52,F16M11/00

classification

(31) Priority Document No :13/333964 (32) Priority Date :21/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/057772

:28/09/2012 Filing Date

(87) International Publication

:WO 2013/095740

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

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

Filing Date

(71)Name of Applicant:

1)SUNPOWER CORPORATION

Address of Applicant: 77 Rio Robles San Jose CA 95134

(72) Name of Inventor:

1)BARTON Nicholas

# (57) Abstract:

A solar energy collection system can include support devices made with bearings formed from sheet material. These bearings can be optionally formed so as to provide tool less connections to their associated bearing housings. The bearings can be formed with an open configuration allowing a shaft to be inserted into an open bite of the bearing. Optionally the bearing can be made from an ultrahigh molecular weight polyethylene plastic material. Additionally two open type bearing assemblies can be mounted axially offset and opposed to one another.

No. of Pages: 41 No. of Claims: 21

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FURNACE HAVING EVEN DISTRIBUTION OF GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C21B13/02 :NA :NA :NA :NA :PCT/KR2010/004083 :23/06/2010 :WO 2011/162427 :NA :NA :NA	(71)Name of Applicant:  1)POSCO  Address of Applicant: 1 Koedong dong Nam gu Pohang Kyungsangbook do 790 300 Republic of Korea  2)POSCO ENGINEERING & CONSTRUCTION CO. LTD. (72)Name of Inventor:  1)KANG Sin Myoung  2)LEE Sang Ho
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#### (57) Abstract:

Provided is a reduction furnace reducing ore containing an iron oxide component, and including a charge feeding port 110 having a charge material introduced therethrough and a reducing gas intake port 170 having reducing gas injected therethrough, wherein the charge feeding port 110 is formed in an upper portion thereof and the reducing gas intake port 170 is installed in a bottom portion thereof. According to the present invention, since the reducing gas may be injected into the center of a lower portion of the reduction furnace, the reducing gas may be allowed to be uniformly distributed in the reduction furnace, and thus, a reduction rate of the charge material may be increased and reduction rates between particles of the charge material may be uniformized.

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

(21) Application No.10318/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COMMUNICATION SYSTEM

(51) International classification	:H04W56/00,H04B7/26	(71)Name of Applicant :
(31) Priority Document No	:1308196.3	1)NEC CORPORATION
(32) Priority Date	:07/05/2013	Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo
(33) Name of priority country	:U.K.	1088001 Japan
(86) International Application No	:PCT/JP2014/062417	(72)Name of Inventor:
Filing Date	:30/04/2014	1)AWAD Yassin Aden
(87) International Publication No	:WO 2014/181850	2)SEO Kay
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Communication apparatus is disclosed which is suitable for communicating with a mobile communication device in a communication system which uses a plurality of radio frames wherein each radio frame is subdivided in the time domain into a plurality of subframes each subframe is subdivided in the time domain into a plurality of slots and each slot is subdivided in the time domain into a plurality of symbols. The communication apparatus operates a communication cell generates discovery signals for use in a cell search procedure each discovery signal comprising a pair of synchronisation signals and a further signal and transmits each synchronisation signal and the further signal in a respective symbol of a radio frame. The symbol in which the further signal is transmitted separated in the time domain by no more than half a radio frame from at least one of said pair of synchronisation signals.

No. of Pages: 54 No. of Claims: 41

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMMUNICATION SYSTEM, METHOD AND APPARATUS

:H04M3/42, (71)Name of Applicant: (51) International classification 1)NEC CORPORATION H04W24/02 (31) Priority Document No Address of Applicant: 7-1, Shiba 5-chome, Minato-ku, Tokyo :2011-217384 (32) Priority Date 1088001, Japan Japan :30/09/2011 (72)Name of Inventor: (33) Name of priority country :Japan 1)ZEMBUTSU Hajime (86) International Application No :PCT/JP2012/075219 Filing Date :28/09/2012 2)TAMURA Toshiyuki (87) International Publication No :WO2013/047822 3)IWAI Takanori (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :349/DELNP/2014 Filed on :28/09/2012

#### (57) Abstract:

A core network includes a plurality of nodes that serve as nodes managing mobility of a terminal and that are different with regards to service functions that nodes provide to the terminal. Based on subscriber information and terminal information, a node to be connected to the terminal is selected on the core network side, depending on a service characteristic utilized by the terminal or on a type of the terminal and the terminal is connected to the selected node.

No. of Pages: 78 No. of Claims: 8

(21) Application No.10320/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: CARRIER TREATMENT TO IMPROVE CATALYTIC PERFORMANCE OF AN ETHYLENE OXIDE **CATALYST**

(51) International :B01J37/06,B01J23/50,C07D301/10

classification

(31) Priority Document No :61/824108 (32) Priority Date :16/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/038020 No

:15/05/2014 Filing Date

(87) International Publication: WO 2014/186478

(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)SCIENTIFIC DESIGN COMPANY INC.

Address of Applicant :49 Industrial Avenue Little Ferry New

Jersey 07643 U.S.A. (72) Name of Inventor: 1)RIZKALLA Nabil

2)ROKICKI Andrzej

#### (57) Abstract:

A method for lowering the sodium content of different carriers which may have different physical properties as well as varying degrees of sodium is provided. The method which lowers the sodium content from the surface subsurface as well as the binding layer of the carrier includes contacting a carrier with water. A rinse solution is recovered from the contacting. The rinse solution includes leached sodium from the carrier. The sodium content in the rinse solution is then determined. The contacting recovering and determining are repeated until a steady state in the sodium content is achieved.

No. of Pages: 46 No. of Claims: 39

(21) Application No.10321/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SILVER BASED ETHYLENE OXIDE CATALYST HAVING REDUCED SODIUM CONTENT

(51) International :B01J23/50,B01J37/06,C07D301/10 classification

(31) Priority Document No :61/824110 (32) Priority Date :16/05/2013

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

(86) International Application :PCT/US2014/038022

:15/05/2014 Filing Date

(87) International Publication :WO 2014/186480

(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) SCIENTIFIC DESIGN COMPANY INC.

Address of Applicant :49 Industrial Avenue Little Ferry New

Jersey 07643 U.S.A. (72)Name of Inventor: 1)RIZKALLA Nabil

2)ROKICKI Andrzej

(57) Abstract:

A silver based ethylene oxide catalyst that can be used in the vapor phase conversion of ethylene to ethylene oxide in the presence of oxygen is provided that includes a carrier; a catalytic effective amount of silver; and a promoting amount of at least one promoter wherein the catalyst has a surface sodium content of 100 ppm or less.

No. of Pages: 38 No. of Claims: 33

(21) Application No.11241/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: AVOIDING INTERFERENCE IN COGNITIVE RADIO COMMUNICATIONS

(51) International :H04B15/00,H01Q3/26,H04W84/18 classification

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

(33) Name of priority country: NA

(86) International Application :PCT/FI2010/050535

:23/06/2010

Filing Date

(87) International Publication :WO 2011/161300

(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)NOKIA CORPORATION

Address of Applicant: Keilalahdentie 4 FI 02150 Espoo

Finland

(72) Name of Inventor:

1)HOTTINEN Ari

# (57) Abstract:

A method apparatus and computer program for cognitive radio communications are provided. A reference signal is received from a transmitter of a primary system (202) and the received reference signal is received with an arbitrarily selected beamforming setting (204). Then a signal quality metric is calculated from the received and beamformed reference signal (206). If the signal quality metric indicates that a reception power of the received signal is low (208) transmission of a data signal to a wireless communication device of a secondary system is scheduled (210). In the scheduled transmission in the secondary system the same beamforming setting as was used in the reception of the reference signal is employed.

No. of Pages: 26 No. of Claims: 22

(21) Application No.10365/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS FOR IMPROVING LIPID PROFILES USING ATRASENTAN

(51) International classification	:A61K45/06,A61K31/4025,A61P3/06	(71)Name of Applicant: 1)ABBVIE INC.
(31) Priority Document No	:61/817645	Address of Applicant: 1 North Waukegan Rd AP06A V0377
(32) Priority Date	:30/04/2013	Chicago IL 60064 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)COLL CRESPO Blas
(86) International Application No Filing Date	:PCT/US2014/036152 :30/04/2014	2)ANDRESS Dennis 3)BRENNAN Peter J. 4)STOLZENBACH James C.
(87) International Publication No	:WO 2014/179453	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li><li>(62) Divisional to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

### (57) Abstract:

The present disclosure is directed to methods for reducing cardiovascular risk in a human subject by administering atrasentan or a pharmaceutically acceptable salt thereof in an amount sufficient to effect a reduction of about 5% or more in one or both of (a) total serum cholesterol relative to the subject s baseline total serum cholesterol and (b) serum LDL cholesterol relative to the subject s baseline serum LDL cholesterol.

No. of Pages: 76 No. of Claims: 39

(21) Application No.10366/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: ACTIVE SUBSTANCE FOR TREATING SARCOPENIA

(51) International :A61K38/39,A61K38/01,A61P21/00 classification

(31) Priority Document No :10 2013 104 897.8 (32) Priority Date :13/05/2013 (33) Name of priority country: Germany

(86) International :PCT/EP2014/058673

Application No :29/04/2014 Filing Date

(87) International Publication :WO 2014/183989

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

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

:NA :NA

:NA

(71)Name of Applicant:

1)GELITA AG

Address of Applicant: Uferstrasse 7 69412 Eberbach Germany

(72)Name of Inventor: 1)HAUSMANNS Stephan

2)KNEFÃ%LI Hans Christoph

3)OESSER Steffen 4)FRECH Hans Ulrich

## (57) Abstract:

The present invention relates to collagen hydrolysate as active substance for treating sarcopenia as active substance against the degenerative loss of muscle mass and for improving muscle power as active substance for reducing the age related loss of muscle mass and as active substance for stimulating the conversion of body fat mass to muscle mass. The invention further relates to a method for treating sarcopenia comprising the repeated oral administration of collagen hydrolysate to a patient.

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

(21) Application No.10367/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

### (54) Title of the invention: COPOLYMER AND HYDROPHILIC MATERIAL COMPRISING SAME

(51) International classification :C08G59/00,B32B27/28,C08K5/54

(31) Priority Document No :2013083914 (32) Priority Date :12/04/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/060118

No :PC1/JP2014 Filing Date :07/04/2014

(87) International Publication :WO 2014/168122

No (61) Patent of Addition to

Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)MITSUI CHEMICALS INC.

Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72)**Name of Inventor:**1)**OKAZAKI Koju** 

(57) Abstract:

The present invention addresses the problem of providing the following: a cured product (such as a film) that exhibits an excellent balance of hydrophilicity and resistance to wear exhibits minimal hydrophilicity degradation upon exposure to water and is also highly weather resistant; and a polymer and polymer composition that yield said cured product. Said polymer is a specific copolymer (i) each molecule of which contains a sulfonic acid containing group an epoxy group and a specific alkoxysilyl group.

No. of Pages: 171 No. of Claims: 10

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

(43) Publication Date: 05/02/2016

### (54) Title of the invention: INJECTABLE NANO NETWORK GELS FOR DIABETES 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>	:A61K38/28 :61/817752 :30/04/2013 :U.S.A. :PCT/US2014/035927 :29/04/2014 :WO 2014/179344 :NA :NA :NA	(71)Name of Applicant:  1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY Address of Applicant: 77 Massachusetts Avenue Cambridge Massachusetts 02139 U.S.A.  2)NA (72)Name of Inventor: 1)ANDERSON Daniel G. 2)GU Zhen 3)AIMETTI Alex Arthur 4)LANGER Robert S.
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#### (57) Abstract:

A system for "smart" delivery of a therapeutic prophylactic or diagnostic agent such as glucose mediated delivery of insulin through an injectable nano network consisting of oppositely charged dextran nanoparticles encapsulating insulin and glucose specific enzymes forming a gel like 3D scaffold. As demonstrated by the examples the system effectively dissociates to release insulin in a hyperglycemic condition where the catalytic conversion of glucose into gluconic acid and the subsequent degradation of polymeric matrix are facilitated. This formulation design provides a delivery strategy for both self regulated and long term diabetes management.

No. of Pages: 66 No. of Claims: 20

(21) Application No.10369/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: STAT6 INHIBITORS

(51) International classification	:A61K31/66	(71)Name of Applicant:
(31) Priority Document No	:61/821181	1)BOARD OF REGENTS THE UNIVERSITY OF TEXAS
(32) Priority Date	:08/05/2013	SYSTEM
(33) Name of priority country	:U.S.A.	Address of Applicant :201 West 7th St. Austin TX 78701
(86) International Application No	:PCT/US2014/037342	U.S.A.
Filing Date	:08/05/2014	2)BAYLOR COLLEGE OF MEDICINE
(87) International Publication No	:WO 2014/182928	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)MCMURRAY John S.
Number		2)MANDAL Pijus Kumar
Filing Date	:NA	3)MORLACCHI Pietro
(62) Divisional to Application Number	:NA	4)KNIGHT Morgan
Filing Date	:NA	5)CORRY David B.

#### (57) Abstract:

The present disclosure provides compounds that are useful for inhibiting the STAT6 pathway. Also provided are related pharmaceutical compositions and methods of using the compounds. In some embodiments the compounds may be used to treat a disease such as e.g. an allergic lung disease allergic rhinitis chronic pulmonary obstructive disease or a cancer.

No. of Pages: 114 No. of Claims: 105

(21) Application No.2137/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A PROCESS FOR THE PREPARATION OF COMPOSITE MULTIGRAIN GRANULES FROM CEREALS, PULSES AND MILLETS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A23L1/20 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA. Delhi India (72)Name of Inventor: 1)SILA BHATTACHARYA 2)NAGAPRABHA PUTTARAJAPPA
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#### (57) Abstract:

The present invention provides a process and formulation for preparing instant multigrain granules that have been developed by employing multiple grains of cereals, pulses and millets. The instant food granules similar in shape to semolina can be boiled with water for 1 to 3 minutes to prepare ready-to-eat foods in the form of porridge, gel, soup or paste or as snacks, food supplements, and meal replacer as such or in combination with conventional sugar or non-sugar adjuncts. The invention thus provides shelf stable ready-to-cook instant foods which exhibit slow to moderate carbohydrate digestibility irrespective of the method of cooking and form of ingestion and hence are suitable for consumption by healthy persons as well as by people with obesity and overweight problems and for health watchers.

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

(21) Application No.10412/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention : MECHANISM FOR GUIDING AND/OR RELEASING AN ENDOPROSTHESIS AT A BLOOD VESSEL LESION REGION USED IN A MEDICAL DEVICE OF THE TYPE OF A CATHETHER

(51) International :A61M25/04,A61F2/966,A61F2/95

classification .A01W25/04,A011 2/700,A011 2/7

(31) Priority Document No :BR 10 2013 011 7781

(32) Priority Date :13/05/2013(33) Name of priority country :Brazil

(86) International Application :PCT/BR2014/000147

No :09/05/2014

Filing Date .09/03/2012

(87) International Publication :WO 2014/183178

(61) Patent of Addition to
Application Number :NA

Application Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date (71)Name of Applicant:

1)INSIDE MEDICAL INDÊSTRIA E COMÉRCIO DE PRODUTOS MÉDICOS HOSPITALARES LTDA ME

Address of Applicant :Rua Joinville 304 Sala 701 Centro CEP: 88301 410 Itajaà SC Brazil

(72)Name of Inventor:

1)GOMES NOGUEIRA Ana Paula 2)BARBOSA MANDELLI Marcelo

3)REIS FlÃ; vio

4)MELLO MARTINS Waldemar Fernando

#### (57) Abstract:

A mechanism for guiding and/or releasing an endoprosthesis at a blood vessel lesion region used in a medical device of the type of a catheter represents an inventive solution in the field of medicine being particularly useful for the treatment of vascular diseases in particular for specific pathologies such as aneurysms and aortic dissections the invention being used in a medical device of the type of a catheter (1) it being possible to remove the entire endoprosthesis (17) which was ergonomically improved in the way in which it is guided and handled when mounted together with this catheter (1) including structural and operational improvements to the mechanism for fastening and releasing the distal portion of the endoprosthesis and also to the mechanism for fastening and releasing the proximal portion of the endoprosthesis achieving a distinct final quality of the application of the endoprosthesis.

No. of Pages: 42 No. of Claims: 6

(21) Application No.11116/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 05/02/2016

## (54) Title of the invention: CUSTOM BRACES, CASTS AND DEVICES HAVING FENESTRATIONS, LIMITED FLEXIBILITY AND MODULAR CONSTRUCTION AND METHODS FOR DESIGNING AND FABRICATING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:E06B :12/820,968 :22/06/2010	(71)Name of Applicant: 1)3D SYSTEMS, INC., Address of Applicant:333 THREE D SYSTEMS CIRCLE,
(33) Name of priority country	:U.S.A.	ROCK HILL, SOUTH CAROLINA 29730,USA. U.S.A.
(86) International Application No		(72)Name of Inventor:
Filing Date	:22/06/2011	1)SCOTT SUMMIT
(87) International Publication No	:WO/2011/163410	2)KENNETH B. TRAUNER
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A custom brace and method for fabricating the custom brace includes marking a body with reference points and/or other indicators. Multiple color or infrared photographs of the body from different angles are then obtained. The photographs are used to determine the topography data of the body and identify the locations of the markings. The topography data and markings are then used to design the custom brace.

No. of Pages: 88 No. of Claims: 23

(21) Application No.11117/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MELT SPUN ELASTIC FIBERS HAVING FLAT MODULUS

(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	D06N1/00 61/354,823 15/06/2010 U.S.A. PCT/US2011/040319 14/06/2011 WO/2011/159681 NA NA	(71)Name of Applicant:  1)LUBRIZOL ADVANCED MATERIALSÂ INC. Address of Applicant:9911 Brecksville Road ClevelandÂ Ohio 44141-3247 U.S.A. (72)Name of Inventor: 1)RAVI R. VEDULA 2)JAMES E. BRYSON JR. 3)MOUH-WAHNG LEE 4)DANIEL M. FISCHER 5)CHRISTOPHER A. SPRAGUE
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### (57) Abstract:

A melt- spun fiber having an ultimate elongation of at least 400% and having a relatively flat modulus in the load and unload cycle between 100% and 200% elongation. A process for producing said fiber.

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

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHODS AND COMPOUNDS FOR THE PREPARATION OF MONOFLUOROMETHYLATED BIOLOGICALLY ACTIVE ORGANIC COMPOUNDS

<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>	:C07J31/00 :105138 :01/06/2010 :Portugal :PCT/GB2011/000835 :01/06/2011 :WO 2011/151625 :NA :NA	(71)Name of Applicant:  1)HOVIONE INTER LIMITED  Address of Applicant: Bahnohfstrasse 21 CH 6000 Lucerne 7  Switzerland  2)TURNER Craig Robert  (72)Name of Inventor:  1)LEITAO Emilia Perpétua Tavares  2)HEGGIE William
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#### (57) Abstract:

The present invention describes processes for the preparation of monofluoromethylated organic biologically active compounds such as Fluticasone Propionate and Fluticasone Furoate in the presence of fluorodecarboxylating reagents such as XeF2 and BrF3.

No. of Pages: 15 No. of Claims: 12

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 05/02/2016

## (54) Title of the invention : METHOD FOR MONOFLUOROMETHYLATION OF ORGANIC SUBSTRATES TO PREPARE BIOLOGICALLY ACTIVE ORGANIC COMPOUNDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07J31/00 :105139 :01/06/2010 :Portugal :PCT/GB2011/000834 :01/06/2011 :WO 2011/151624 :NA :NA	(71)Name of Applicant:  1)HOVIONE INTER LIMITED  Address of Applicant: Bahnhofstrasse 21 CH 6000 Lucerne Switzerland  2)TURNER Craig Robert (72)Name of Inventor:  1)LEITÃfO Emilia Perpétua Tavares
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#### (57) Abstract:

The present invention describes a process for the preparation of monofluoromethylated organic biologically active compounds using monofluoromethylated reagents. Fluticasone Propionate and Fluticasone Furoate can be prepared using, for example, S-monofluoromethyl-S-phenyl-2,3,4,5- tetramethylphenylsulfonium tetrailuoroborate as monofluoromethylating reagent instead of bromofluoromethane.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : FAST DRYING AND LONG STICKING TOPICAL SEMISOLID CONTROLLED RELEASE OF HUMAN INSULIN PREPARATION METHOD THEREOF

(51) International classification	:C07K14/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TULSHI CHAKRABORTY
(32) Priority Date	:NA	Address of Applicant :MM COLLEGE OF PHARMACY,
(33) Name of priority country	:NA	MAHARISHI MARKANDESHWAR UNIVERSITY,
(86) International Application No	:NA	MULLANA, AMBALA (HARYANA)-133207 Haryana India
Filing Date	:NA	2)VIPIN SAINI
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)TULSHI CHAKRABORTY
Filing Date	:NA	2)VIPIN SAINI
(62) Divisional to Application Number	:NA	3)BALJOT KAUR
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to fast drying and long sticking topical semisolid controlled release of human insulin formulation for the treatment of wound healing diabetes, diabetes mellitus and diabetic neuropathy in a patient. In this preparation method it is easy to formulate the active ingredient which comprises preferably of human insulin. Therefore, the fast drying and long sticking topical semisolid controlled release of human insulin formulation in the invention, is able to continuously and stably release human insulin during a long time as well as maintain effective & safe drug concentration, good curative effect and provide both local and systemic action; is non irritant to skin, doesn't cause allergic reaction and prevents the impact on medication resulted by wearing clothes, dancing, playing, travelling, sleeping and light working.

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 05/02/2016

### (54) Title of the invention: METHOD FOR PRODUCING A HEAD RESTRAINT AND HEAD RESTRAINT

(51) International classification:B29C44/14,B29C44/58,B60N2/70 (71)Name of Applicant:

(31) Priority Document No :10 2010 022 046.9

(32) Priority Date :31/05/2010

(33) Name of priority country :Germany

(86) International Application :PCT/EP2011/000296

No :25/01/2011

Filing Date (87) International Publication

(87) International Publication

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date

(62) Divisional to Application

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

:WO 2011/150989

(57) Abstract:

(71)Name of Applicant:
1)JOHNSON CONTROLS GMBH
Address of Applicant: Industriestrasse 20 30 51399 Burscheid Germany
(72)Name of Inventor:
1)MANDUZIO Felix
2)LANG Nathalie
3)NAVARRO Daniel

The invention relates to a method for producing a head restraint in particular a motor vehicle head restraint wherein the head restraint has a cover and a foam material wherein the foam material fills out the cover at least in some areas wherein the method comprises the following steps: producing a prototype mold wherein the prototype mold comprises at least two parts wherein when the parts of the prototype mold are assembled the prototype mold has an inner surface that faces the interior of the prototype mold and an outer surface producing the cover assembling the parts of the prototype mold in such a way that the cover is arranged in the interior of the prototype mold and introducing the foam material into the interior of the cover wherein the foam material is at least partially liquid when said foam material is introduced into the interior of the cover.

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

(21) Application No.11223/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 05/02/2016

## (54) Title of the invention : "CLAMPING SYSTEM OF SPECIAL CONDUCTORS FOR A STATOR OR ROTOR BAR WINDING FOR AN ELECTRIC MACHINE"

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International</li></ul>	:H02K15/06,H02K15/04,H02K15/00 :NA :NA :NA	(71)Name of Applicant: 1)TECNOMATIC S.p.A Address of Applicant: Zona Industriale Santa Scolastica Via Copernico 2 I 64013 CORROPOLI (Teramo Italy) Italy (72)Name of Inventor: 1)GUERCIONI Sante
Application No Filing Date	:16/07/2010	
(87) International Publication No	:WO 2012/007972	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

It is described a clamping system (30) of special conductors (SI, S2, S3) for a stator or rotor bar winding (UI, SI, S2, S3) for an electric machine, such as connection terminals (SI), jumpers (S2), neutrals or star points (S3), etc. The system (30) allows the special conductors (SI, S2, S3) to be clamped during a twisting step and/or a step of picking up such conductors from a twisting device (250). The system comprises a system axis (TT), a plurality of grippers (10) aligned or able to be aligned along a circumference lying on a plane substantially perpendicular to the system axis (T-T) and actuation elements (50, 60, 70, 80, 90) of the grippers (10). Each gripper includes a pair of jaws (32, 33) mounted so as to be mobile in a plane transversal to said system axis (T-T).

No. of Pages: 55 No. of Claims: 18

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A METHOD AND A SYSTEM FOR AUTOMATICALLY SELECTING AN INFLUENCER SUITABLE FOR ENDORSING A BRAND'S PRODU T OR SERVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G06F15/16 :NA :NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)Ravi Neb  Address of Applicant: H-11, Sector 11, Noida, Uttar Pradesh - 201301, India Uttar Pradesh India (72)Name of Inventor:  1)Ravi Neb
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

An advertising system for automatically selecting an influencer suitable for endorsing a brand's product or service is also disclosed. The advertising system is selectively in operative communication with one or more influencers and one or more brands. The advertising system comprises of an influencer data repository configured to store the data relating to a plurality of registered influencers and a brand data repository configured to store the data relating to a plurality of brand's offering product or service for endorsement. The advertising system further comprises of an advertising engine, selectively in operative communication with the influencer data repository, configured to select an influencer to endorse at least one product or service by an influencer-brand metric. The influencer-brand metric comprises a plurality of identifiers to automatically evaluate an influencer's awareness, appeal and relevance to a brand's image and their influence on consumer buying behavior. Figure 6

No. of Pages: 73 No. of Claims: 29

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A METHOD, A SYSTEM AND A MOBILE APP FOR PROVIDING AN INFLUENCER WITH AN OFFER TO ENDORSE A BRAND'S PRODUCT OR SERVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G06F17/30 :NA :NA :NA :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)Ravi Neb  Address of Applicant: H-11, Sector 11, Noida, Uttar Pradesh - 201301, India Uttar Pradesh India (72)Name of Inventor:  1)Ravi Neb
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

An advertising system for providing an influencer with an offer to endorse a brand's product or service is also disclosed. The advertising system is selectively in operative communication with one or more influencers and one or more brands. The advertising system comprises of an influencer data repository configured to store the data relating to a plurality of registered influencers and a brand data repository configured to store the data relating to a plurality of brand's offering product or service for endorsement. The advertising system further comprises of an advertising engine, selectively in operative communication with influencer data repository, configured to select an influencer to endorse at least one product or service offered by a brand and formulate an offer for the selected influencer to endorse at least one product or service. The advertising engine is further configured to notify the selected influencer of the offer and provide the selected influencer to endorse the product or service upon a successful approval from the influencer. Figure 4

No. of Pages: 74 No. of Claims: 38

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: POLYPEPTIDE HAVING ACETYL XYLAN ESTERASE ACTIVITY 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</li> </ul>	:23/06/2011 :WO 2012/000888 :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)SCHOONEVELD BERGMANS Margot Elisabeth Francoise 2)HEIJNE Wilbert Herman Marie 3)LOS Alrik Pieter
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/000888	Francoise 2)HEIJNE Wilbert Herman Marie
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	3)LOS Alrik Pieter

#### (57) Abstract:

The invention relates to a polypeptide comprising the amino acid sequence set out in SEQ ID NO: 2 or an amino acid sequence encoded by the nucleotide sequence of SEQ ID NO: 1 or a variant polypeptide or variant polynucleotide thereof wherein the variant polypeptide has at least 82% sequence identity with the sequence set out in SEQ ID NO: 2 or the variant polynucleotide encodes a polypeptide that has at least 82% sequence identity with the sequence set out in SEQ ID NO: 2. The invention features the full length coding sequence of the novel gene as well as the amino acid sequence of the full length functional polypeptide and functional equivalents of the gene or the amino acid sequence. The invention also relates to methods for using the polypeptide in industrial processes. Also included in the invention are cells transformed with a polynucleotide according to the invention suitable for producing these proteins.

No. of Pages: 84 No. of Claims: 25

(22) Date of filing of Application :26/12/2012 (4

(43) Publication Date: 05/02/2016

## (54) Title of the invention : POLYPEPTIDE HAVING OR ASSISTING IN CARBOHYDRATE MATERIAL DEGRADING ACTIVITY AND USES THEREOF

(51) International classification	:C12N9/42,C07K14/435	(71)Name of Applicant :
(31) Priority Document No	:10167771.4	1)DSM IP ASSETS B.V.
(32) Priority Date	:29/06/2010	Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2011/060577	(72)Name of Inventor:
Filing Date	:23/06/2011	1)SCHOONEVELD BERGMANS Margot Elisabeth
(87) International Publication No	:WO 2012/000892	Francoise
(61) Patent of Addition to Application	:NA	2)HEIJNE Wilbert Herman Marie
Number	:NA	3)LOS Alrik Pieter
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a polypeptide which comprises the amino acid sequence set out in SEQ ID NO: 2 or an amino acid sequence encoded by the nucleotide sequence of SEQ ID NO: 1 or a variant polypeptide or variant polynucleotide thereof wherein the variant polypeptide has at least 76% sequence identity with the sequence set out in SEQ ID NO: 2 or the variant polynucleotide encodes a polypeptide that has at least 76% sequence identity with the sequence set out in SEQ ID NO: 2. The invention features the full length coding sequence of the novel gene as well as the amino acid sequence of the full length functional polypeptide and functional equivalents of the gene or the amino acid sequence. The invention also relates to methods for using the polypeptide in industrial processes. Also included in the invention are cells transformed with a polynucleotide according to the invention suitable for producing these proteins.

No. of Pages: 84 No. of Claims: 27

(21) Application No.11245/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 05/02/2016

### (54) Title of the invention: MULTIVALENT SYNTHETIC NANOCARRIER VACCINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61K39/385 :61/348717 :26/05/2010 :U.S.A. :PCT/US2011/038200 :26/05/2011 :WO 2011/150249 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)SELECTA BIOSCIENCES INC.</li> <li>Address of Applicant: 480 Arsenal Street Building One</li> <li>Watertown MA 02472 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)BRATZLER Robert L.</li> <li>2)JOHNSTON Lloyd</li> <li>3)LIPFORD Grayson B.</li> <li>4)ZEPP Charles</li> </ul>
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### (57) Abstract:

The invention relates at least in part to compositions comprising population of synthetic nanocarries that comprise different sets of antigens as well as related methods.

No. of Pages: 122 No. of Claims: 132

(22) Date of filing of Application :29/07/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: METHOD AND SYSTEM FOR PERFORMING ONLINE ADVERTISEMENT MONITORING

(51) International classification	:G06Q30/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SIDDHANT GUPTA
(32) Priority Date	:NA	Address of Applicant :8, Ashok colony, Pilibhit 262001, Uttar
(33) Name of priority country	:NA	Pradesh, India Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SIDDHANT GUPTA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention generally relates to the field of online advertising. More specifically, the present invention provides a method and system for monitoring and collecting user responses to advertisements being displayed online. The method and system according to the present invention determines a valid impression score (VIS) by analyzing user active time on webpage, which further enables the advertisers to monitor whether the advertisements provided by them are viewed by the users or not. Also, the determined VIS enables removal/insertion/repositioning of one or multiple advertisements/slides in a banner advertisement.

No. of Pages: 30 No. of Claims: 14

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

(43) Publication Date: 05/02/2016

## (54) Title of the invention : SYSTEMS AND METHODS OF IMPLEMENTING A GENERIC PLATFORM WITH AN EDITOR TOOL TO WRITE AUTOMATED TEST SCRIPTS

	·C01D21/29	(71) Nome of Applicant
(51) International classification	H04L12/26	(71)Name of Applicant : 1)Unisys Corporation
(31) Priority Document No	:NA	Address of Applicant :Patent & Technology Law Group
(32) Priority Date	:NA	MS/2NW, 801 Lakeview Drive, Suite 100, Blue Bell, PA 19422,
(33) Name of priority country	:NA	United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Prabhu Subramaniam
(87) International Publication No	: NA	2)Madhu Kiran Kalaiah
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer-implemented method for writing automated test scripts, the method comprising: storing, by a computer, a library database containing scripts associated with different regions; configuring, by the computer, a platform editor tool, wherein configuring comprises: receiving, by the computer, a location path of language compilers; receiving, by the computer, an input of multiple programming languages into a test script; identifying, by the computer, a region of each of the multiple programming languages in the test script by analyzing each programming language and interpreting the region of each programming language by correlating scripts in the library database with each programming language, whereby the region is determined based on the type of programming language; and compiling, by the computer, the test script; creating, by the computer a temporary file for each of the separated programming languages in the test script based on the location path of the language compilers; and updating, by the computer, a results listing indicating the separated programming languages in the test script as passed or failed.

No. of Pages: 31 No. of Claims: 20

(21) Application No.10346/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DEVICE TRIGGERING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04W4/00 :61/819970 :06/05/2013 :U.S.A. :PCT/US2014/036964 :06/05/2014 :WO 2014/182694 :NA	(71)Name of Applicant:  1)CONVIDA WIRELESS LLC Address of Applicant: 200 Bellevue Parkway Suite 300 Wilmington DE 19809 3727 U.S.A. (72)Name of Inventor: 1)STARSINIC Michael F. 2)SEED Dale N.
(86) International Application No		(72)Name of Inventor:
(87) International Publication No		
(61) Patent of Addition to Application Number		
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

Service layer and application triggering may be used in a machine to machine environment. In an embodiment an existing service layer procedure such as registration may allow a device or gateway service layer or application to indicate to a machine to machine server what port is listened to for triggers. In another embodiment triggering may be used to provide bootstrapping instructions including temporary bootstrapping identifiers in trigger requests. In another embodiment triggering may be used to assist with event notification. Service layer or application instructions may be embedded inside of trigger payloads. A trigger payload format is defined.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: NOVEL ORGANIC ACID PATHWAY

(51) International classification :C12P7/48,C12P7/44,C12N15/74 (71) Name of Applicant:

:02/05/2014

:NA

(31) Priority Document No :13166305.6 (32) Priority Date :02/05/2013

(33) Name of priority country :EPO

(86) International Application :PCT/NL2014/050284

No Filing Date

(87) International Publication No:WO 2014/178717

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

Filing Date (62) Divisional to Application :NA Number

Filing Date

1)NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ON-DERZOEK TNO

Address of Applicant: Schoemakerstraat 97, NL-2628 VK

Delft (NL). Netherlands

(72) Name of Inventor: 1)PUNT Peter Jan

2)LI An

3) CASPERS Martinus Petrus Maria

#### (57) Abstract:

The invention relates to the use of a cytosolic citric acid synthase for the heterologous production of citrate outside the mitochondrion of a micro organism or algae wherein the protein is selected from An08g10920 An01g09940 An09g03570 or an ortholog of these genes. Such production is achieved by introducing the nucleic acid encoding such a protein into a suitable host cell. Preferably the protein is An08g10920 An01g09940 An09g03570 or an ortholog thereof more particularly wherein such an ortholog is chosen from the group of proteins listed in Fig. 9 and proteins having a percentage identity of 70% more preferably 75% more preferably 80% more preferably 85% more preferably 90% more preferably 95% more preferably 98% more preferably 99% with An08g10920 An01g09940 or An09g03570.

No. of Pages: 204 No. of Claims: 13

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: SEMANTICS SUPPORT AND MANAGEMENT IN M2M SYSTEMS

(51) International :H04W4/00,H04W84/18,H04L29/08

classification

(31) Priority Document No :61/819877 (32) Priority Date :06/05/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/036980

Application No :06/05/2014 Filing Date

(87) International Publication :WO 2014/182706

(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)CONVIDA WIRELESS LLC

Address of Applicant :200 Bellevue Parkway Suite 300

Wilmington DE 19809 3727 U.S.A.

(72) Name of Inventor:

1)DONG Liiun 2)SEED Dale N. 3)LU Guang X.

#### (57) Abstract:

Semantics nodes provide semantics support in machine to machine (M2M) systems. In an embodiment a semantics node may manage semantics related resources capable of being discovered retrieved or validated by other devices. In another embodiment the semantics node may be discovered by other nodes and semantics related resources may be discovered with subscription mechanisms.

No. of Pages: 79 No. of Claims: 20

(22) Date of filing of Application :27/12/2012

(43) Publication Date: 05/02/2016

(54) Title of the invention: "A PROCESS FOR THE PREPARATION OF 4-[[4-(2-CYANOETHENYL)-2 6-DIMETHYLPHENYL]-AMINO]-2-PYRIMIDINYL]AMINO]BENZONITRILE―

(51) International classification :C07C (31) Priority Document No :NA (32) Priority Date

(33) Name of priority country (86) International Application No :PCT/EP2003/50366 Filing Date :07/08/2003

(87) International Publication No :WO/2004/016581

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

:4805 /DELNP/2007 (62) Divisional to Application Number :21/06/2007

Filed on

(71)Name of Applicant:

1) JANSSEN PHARMACEUTICA N.V.

Address of Applicant: Turnhoutseweg 30Â 2340 BeerseÂ Belgium

(72) Name of Inventor:

1)DIDIER PHILIPPE ROBERT SCHILS 2) JOANNES JOSEPHUS MARIA WILLEMS 3)BART PETRUS ANNA MARIA JOZEF MEDAER 4) ELISABETH THERESE JEANNE PASQUIER 5)PAUL ADRIAAN JAN JANSSEN(deceased) Authorized

executor of the heirs: FRANK XAVIER JOZEF HERWIG

**ARTS** 

6)JAN HEERES

7) RUBEN GERARDUS GEORGE LEENDERS 8) JEROME EMILE GEORGES GUILLEMONT

#### (57) Abstract:

The present invention relates to a process for the preparation of 4-[[4-(2-cyanoethenyl)-2, 6-dimethylphenyl] -amino] 2pyrimidinyl]amino]benzonitrile of formula (I), a N- oxide, a pharmaceutically acceptable acid addition salt, a quaternary amine or a stereochemically isomeric form thereof. (1) which comprises reacting an intermediate of formula (IV), an appropriate acid addition salt or a stereochemically isomeric form thereof (M wherein W2 represents a suitable leaving group, with acrylonitrile in the presence of a suitable palladium catalyst, a suitable base and a suitable solvent, optionally followed, if desired, by converting the free base into an acid addition salt by treatment with antacid, or conversely, the acid addition salt form into the free base by treatment with alkali; end optionally followed, if desired, by preparing stereochemically isomeric forms, or quaternary amines thereof.

No. of Pages: 30 No. of Claims: 6

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : NOVEL INDOLYLQUINOLINE-PHENYLAMIDINE COMPOUNDS AS ANTILEISHMANIAL AGENTS AND THE PROCESS OF PREPARATION THEREOF

		(71)Name of Applicant :
(51) International classification	:C07C	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(31) Priority Document No	:NA	EDUCATION AND RESEARCH (NIPER)
(32) Priority Date	:NA	Address of Applicant :Sector-67, S.A.S Nagar, Mohali,
(33) Name of priority country	:NA	Punjab-160062, India Punjab India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Sankar Kumar Guchhait
(87) International Publication No	: NA	2)Sushma Singh
(61) Patent of Addition to Application Number	:NA	3)Sunil Kumar
Filing Date	:NA	4)Vikas Chaudhary
(62) Divisional to Application Number	:NA	5)Garima Priyadarshani
Filing Date	:NA	6)Preet Kamal Kaur
		7)Neeradi Dinesh

### (57) Abstract:

The present invention relates to novel indolylquinoline-phenylamidines of formula I and the process of preparation thereof. The synthesized indolylquinoline-phenylamidines were tested for their antileishmanial activity in which the compounds showed activity as potent antileishmanial agents. The compounds show more activity and lesser toxicity than Pentamindine, a known antileishmanial drug, which is used as positive standard. Compound C1 (SKG-9-5) and C2 (SKG-9-6) were found to be most potent with IC50 value, 5  $\mu$ M for both, while Pentamidine showed IC50 7.5  $\mu$ M. The compounds were found less toxic to normal cells compared to Pentamidine. Very interestingly, the cytotoxicity to normal cell is about 40 times less in comparison to promastigote-IC50 value.

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

(21) Application No.10398/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYNERGISTIC ADDITIVE COMBINATION FOR INDUSTRIAL GEAR OILS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:27/05/2014 :WO 2014/193784 :NA :NA :NA	(71)Name of Applicant:  1)THE LUBRIZOL CORPORATION  Address of Applicant: 29400 Lakeland Blvd. Wicliffe Ohio 44092 2298 U.S.A.  (72)Name of Inventor:  1)BASU Shubhamita  2)VINCI James N.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to industrial gear oil compositions that have been specially designed to have improved friction and/or antiwear properties. That is the industrial gear oil compositions of the invention provide good performance and/or protection in the areas of friction and/or antiwear due to the use of a synergistic combination of additives. The industrial gear oil compositions of the invention utilize a combination of certain phosphorus containing compounds and derivatives of a hydroxy carboxylic acid to provide a synergistic improvement in friction and/or antiwear properties.

No. of Pages: 36 No. of Claims: 16

(21) Application No.10399/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/11/2015 (43) Publication Date: 05/02/2016

(54) Title of the invention: MASS LABELS

:G01N33/68,C07D403/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1308765.5 (32) Priority Date :15/05/2013

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

(86) International Application No :PCT/EP2014/060021

Filing Date :15/05/2014

(87) International Publication No :WO 2014/184320 (61) Patent of Addition to Application

:NA :NA Filing Date

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

1)ELECTROPHORETICS LIMITED

Address of Applicant :Coveham House Downside Bridge

Road Cobham Surrey KT11 3EP U.K.

(72)Name of Inventor:

1)THOMPSON Andrew Hugin 2)LÃ-ßNER Christopher

3)KUHN Karsten

#### (57) Abstract:

The present invention provides set of two or more mass labels wherein each mass label in the set has the same integer mass as every other label in the set and each mass label in the set has an exact mass which is different to the mass of all other mass labels in the set such that all the mass labels in the set are distinguishable from each other by mass spectrometry.

No. of Pages: 166 No. of Claims: 55

:NA

(21) Application No.11077/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: HEAT TRANSFER TUBE FOR STEAM GENERATOR AND METHOD FOR PRODUCING SAME

(71)Name of Applicant: (51) International :A61K31/337,A61K47/42,A61K9/14 1)NIPPON STEEL & SUMITOMO METAL classification (31) Priority Document No :2010146136 CORPORATION (32) Priority Date :28/06/2010 Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan (33) Name of priority :Japan (72) Name of Inventor: country (86) International 1)TOYODA Masatoshi :PCT/JP2011/003194 Application No 2)KURODA Kouichi :07/06/2011 Filing Date (87) International :WO 2012/001882 **Publication No** (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

#### (57) Abstract:

**Application Number** 

Filing Date

Disclosed is a heat transfer tube for a steam generator wherein the surface roughness of the inner surface of a tube is measured in the longitudinal direction and the dimensional variability in the measured roughness curve at a 50 mm region is 4  $\text{\^{A}}\mu\text{m}$  or less and amount of bending in a portion having a length of 1,000 mm from an end of the tube is 1 mm or less so that an eddy current inspection can be performed at a high S/N ratio when a tube is produced and the inspection efficiency can be improved and furthermore when the tube is incorporated in a heat exchanger the incorporation operation can be easily performed. It is preferable that the heat transfer tube for a steam generator is produced by processes including a cold working process wherein a drawing process is performed using a high pressure lubricant having a pressure of 40 MPa or more a solution heat treatment process and a straightening process using a roll straightener. Furthermore regarding the roll straightener using a roll straightener wherein at least five pairs of drum shaped straightening rolls which are vertically opposed to each other and which have rotation axes intersecting each other is preferable.

No. of Pages: 38 No. of Claims: 6

(21) Application No.286/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/01/2013 (43) Publication Date: 05/02/2016

## (54) Title of the invention: GENETICALLY ENGINEERED STRAIN WSJ.IA FOR PRODUCING ISOVALERYL SPIRAMYCIN

(51) International :C12N1/21,C12N15/63,C12N15/76 classification

(31) Priority Document No :201010237595.4

(32) Priority Date :23/07/2010 (33) Name of priority country :China

(86) International Application :PCT/CN2011/001194

No

:21/07/2011 Filing Date

(87) International Publication :WO 2012/009963

(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)SHEN YANG TONGLIAN GROUP CO. LTD

Address of Applicant: #18 Yucai Lane East Shun Cheng Street

Dadong District Shenyang Liaoning 110042 China

2)INSTITUTE OF MEDICINAL BIOTECHNOLOGY.

CHINESE ACADEMY O F MEDICAL SCIENCES

(72) Name of Inventor: 1)WANG Yiguang

2)JIANG Yang

3)DAI Jianlu 4)HAO Yuyou 5)YANG Shengwu

6)LIN Ling 7)HE Weiqing

8) ZHOU Hongxia 9)WU Linzhuan

#### (57) Abstract:

A genetically engineered strain WSJ-IA for producing isovaleryl spiramycin I. Also provided is a method for preparing the strain, comprising the steps of: (a) constructing a recombinant plasmid comprising a double gene ist-acyB2; (b) transforming the plasmid into an isovaleryl spiramycin I - producing strain to obtain the strain WSJ-IA. The level of isovaleryl spiramycin I produced by fermentation of the strain WSJ-IA is increased 1.7 times and the fermentation potency thereof increased 4.14 times in comparison with the strain exclusively comprising a single gene ist.

No. of Pages: 30 No. of Claims: 4

:NA

(19) INDIA

(22) Date of filing of Application: 10/01/2013 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: METHOD FOR PRODUCING UNIDIRECTIONAL ELECTROMAGNETIC STEEL SHEET

(51) International classification :C21D8/12,C23F1/02,C25F3/14 (71)Name of Applicant : 1)NIPPON STEEL & SUMITOMO METAL (31) Priority Document No :2010145440 (32) Priority Date :25/06/2010 CORPORATION (33) Name of priority country Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku :Japan (86) International Application No :PCT/JP2011/062843 Tokyo 1008071 Japan Filing Date :03/06/2011 (72) Name of Inventor: (87) International Publication No: WO 2011/162086 1)IWATA Keiji (61) Patent of Addition to 2)KIKUCHI Yasuhiro :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

Disclosed is a method for producing a unidirectional electromagnetic steel sheet, wherein a resist film is formed on a cold-rolled steel sheet when the cold-rolled steel sheet is provided with a groove by etching. The resist film is provided with a steel sheet exposing portion, from which a part of the steel sheet is exposed, and the steel sheet exposing portion has a first region that extends in the sheet width direction and a plurality of second regions that extend from the first region. The resist film is formed so that the widths of the first and second regions are 20-100 mpi and the distance from an edge of one second region to an edge of another second region adjacent thereto is 60-570

No. of Pages: 36 No. of Claims: 6

(21) Application No.11206/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 05/02/2016

### (54) Title of the invention: METHOD OF RESTORING CONTAMINATED LAND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A01N :1010189.7 :17/06/2011 :U.K. :PCT/GB2011/051132 :17/06/2011 :WO 2011/158036 :NA :NA	(71)Name of Applicant:  1)LICHEN PROPERTIES LIMITED  Address of Applicant: 23 Cadwell Drive MaidenheadÂ  Berkshire SL6 3YSÂ Great Britain U.K.  (72)Name of Inventor:  1)RICHARDSÂ Quinton Clive
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of restoring contaminated land $\hat{A}$  for example landfill 12 $\hat{A}$  comprises covering the surface of the land with a substantially uninterrupted layer of a composition including pulverised fly ash mixed with lime $\hat{A}$  the preparation creating a pozzolanic pan 14. At least one soil horizon comprising varying mixtures of pulverised fly ash $\hat{A}$  biochar and secondary treated sewage sludge or other organic material is laid over the pozzolanic pan 14. Fig 1

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

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 05/02/2016

### (54) Title of the invention: PACKET SERVICE MONITORING METHOD AND 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> </ul>	:20/05/2011 :WO 2011/160518 :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)AI Li  2)LU Qinbo  3)ZHANG Gang  4)ZHANG Meng  5)ZHANG He
Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a packet service monitoring method the method includes the following steps: monitoring tool interface input processing unit receives and processes various commands inputted by users and transmits the monitoring commands to the Base Transceiver Station (BTS) side baseband data processing unit via a monitor tool control unit; a BTS side baseband data processing unit combines the data of the monitoried channel according to the received monitoring commands and returns them to the monitoring tool control unit then the monitoring tool control unit writes the received monitoring channel data into the original data tracking file for the monitoring unit to perform the packet service real time monitoring. The present invention also discloses a packet service monitoring equipment. The method and equipment of the present invention can solve the problem of the difficulty of the PS service malfunction elimination and location under the E1 Abis interface and ensures the normal preceding of the PS service.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A SYSTEM AND METHOD FOR PRODUCTION OF BIOFUEL FROM CARBON DIOXIDE CONCENTRATING ENDOLITHIC BACTERIUM SERRATIA SP. ISTB 104.

(51) International classification (31) Priority Document No	:C12P7/64 :NA :NA	(71)Name of Applicant:  1)JAWAHARLAL NEHRU UNIVERSITY
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA	Address of Applicant :JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI, Delhi India
(86) International Application No	:NA :NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA	1)INDU SHEKHAR THAKUR
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A method for production of biofuel from carbon dioxide concentrating endolithic bacterium, Serratia sp. ISTB104, by continuous enrichment in presence of glycerol, glucose and molasses, and sodium bicarbonate, as sole carbon source for lipid and biofuel production. In the present invention >90% biodiesel is recovered after transesterification of lipids formed by bacteria. The total unsaturated fatty acids found in Serratia sp. ISTB104 and its methyl esters amount to approximately 55% and the total saturated fatty acids to approximately 45%. Transesterification in presence of methanol and lipid (3:1) and NaOH (1%) produced biofuel showed similarity with the jet fuel.

No. of Pages: 56 No. of Claims: 17

(21) Application No.307/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/01/2013 (43) Publication Date: 05/02/2016

### (54) Title of the invention: TREAD, THE ROLLING NOISE OF WHICH IS REDUCED

(51) International classification	:B60C11/04	(71)Name of Applicant :
(31) Priority Document No	:1055192	1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:29/06/2010	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 cours Sablon F 63000 Clermont
(86) International Application No	:PCT/EP2011/060883	Ferrand France
Filing Date	:29/06/2011	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2012/001031	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)BOURNAT Alexis
Number	:NA	2)FOUCHER Benoit
Filing Date	.IVA	3)MARTIN Didier Michel
(62) Divisional to Application Number	:NA	4)QUANTINET Benjamin
Filing Date	:NA	

#### (57) Abstract:

The invention relates to tire for a heavy vehicle, having a tread (1) including a plurality of circumferential grooves (43, 35) defining intermediate ribs (3) and two edge ribs (4, 5), each rib having a minimum width Ln, each circumferential groove including projections (46, 36) that are fbrmed so as to project over at least a side wall delimiting said groove; a half-closed notch (37, 57) is provided opposite each projection, said notch having an axial length La equal to at most 60% of the minimum width Ln of said rib, and a width Le equal to at most the width Lr of the groove, wherein said notch is oriented so as to form, with the main direction of the projection with which said notch engages, a mean angle B equal to at least 10 degrees; each projection (46, 36) closes 30 to 75% of the surface of the section of the groove in which it is formed; and a functional clearance (Jl, J2) is provided between the projection and the walls defining the halfclosed notch.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : SYSTEMS AND METHODS FOR SELECTION OF OPTIMAL ROUTING PARAMETERS FOR DWDM NETWORK SERVICES IN A CONTROL PLANE NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04L12/28, H04L12/56 :NA :NA :NA :NA	(71)Name of Applicant: 1)CIENA CORPORATION Address of Applicant: 7035 Ridge Road Hanover, MD 21076, USA U.S.A. (72)Name of Inventor: 1)CHHILLAR, Mohit 2)PRAKASH, Anurag
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	3)BISHT, Seemant 4)SRINIVASAN, Hari
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A method, in an intermediate node in a control plane network, includes receiving a setup message from an originating node, wherein the setup message is sent towards a terminating node on a computed path in the control plane network, and the setup message indicates associated Layer 0 attributes; validating the associated attributes/constraints based on locally available resources; and performing one of: forwarding the setup message on the path towards the terminating node when validation is successful; forwarding the setup message on the path towards the terminating node with updated information indicating a rejection cause and additional information when the validation is unsuccessful, but a modification of the Layer 0 attributes/constraints is possible; and forwarding a release message on the path back to the originating node with updated information indicating a rejection cause and additional information when the validation is unsuccessful and no modifications of the Layer 0 attributes/constraints are possible.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: LOCALIZED NETWORK REPAIR SYSTEMS AND METHODS

(51) International algoritication	.C0(E11/00	(71)Nama of Amiliant.
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)Ciena Corporation
(32) Priority Date	:NA	Address of Applicant :7035 Ridge Road Hanover, MD 21076,
(33) Name of priority country	:NA	USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SWINKELS, Gerard Leo
(87) International Publication No	: NA	2)CHHILLAR, Mohit
(61) Patent of Addition to Application Number	:NA	3)PRAKASH, Anurag
Filing Date	:NA	4)RICHENS, Dominic
(62) Divisional to Application Number	:NA	5)KANNAN, Rajagopalan
Filing Date	:NA	

#### (57) Abstract:

A localized repair method in a network using a control plane includes, responsive to a failure on a local repair segment defined on a connection traversing the network, generating a release message in the control plane; attempting a local repair on the local repair segment; if the local repair is unsuccessful, transmitting the release message to redial the connection; and, if the local repair is successful, signaling a new sub-path based on the local repair. A controller and a network are also disclosed.

No. of Pages: 47 No. of Claims: 20

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 05/02/2016

### (54) Title of the invention: NATURAL FACE SCRUBBER COMPOSITION

(51) International classification	:A23L1/00,A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Goswami Manish
(32) Priority Date	:NA	Address of Applicant :179, Street No.10 Punia Colony,
(33) Name of priority country	:NA	Sangrur Punjab India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Goswami Manish
(87) International Publication No	: NA	
<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:

The present invention discloses a natural face scrubber composition rich in naturally available protein ingredients and extracted from rice bran. After de-fatting of rice bran, the oil obtained is known as rice bran oil and residue is de-oiled cake (DOC). The composition is derived from DOC after suitable treatment which involves the steps of washing of the DOC (to remove remnants of rice husk and also sand particles), drying and grinding (to enable sieving) and finally sieving through 40 mesh and 80 mesh sieves, to obtain a final, dried powdered fraction, which is suitable as an active ingredient in natural scrubber compositions. The DOC fraction retained on sieve no. 80 (DOC-80) is the fraction of interest for use in scrubbing composition of the present invention because it has suitable particle size to act as exfoliating agent.

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

(21) Application No.329/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/01/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR DISPENSING A BEVERAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:B67D5/56 :61/356750 :21/06/2010 :U.S.A. :PCT/US2011/041254 :21/06/2011 :WO 2011/163233 :NA :NA	(71)Name of Applicant:  1)SMART BAR USA LLC Address of Applicant: 796 TEK DRIVE, SUITE 100, CRYSTAL LAKE, ILLINOIS 60014, USA. U.S.A. (72)Name of Inventor: 1)METROPULOS William 2)KNECHT Tim
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and system for managing the dispensing of beverages from an automatic beverage dispensing unit. The beverages may be comprised of a single or multiple ingredients including a first plurality of liquids a second plurality of liquids and/or a combination of one or more first and second plurality of liquids. In addition garnishes and sides may be included in the beverage. The beverages are dispensed according to a pouring schema. The pouring schema may be a beverage recipe and may be preprogrammed by a system manager or alternatively be chosen by a consumer during operation of the system. The first plurality of liquids may include liquors and the second plurality of beverages may include mixers which are mixed with the liquors to create the beverage.

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

(21) Application No.10300/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: A CATHETER SYSTEM

(51) International classification :A61M19/00,A61M25/00 (71)Name of Applicant :

(31) Priority Document No :2013901874 (32) Priority Date :27/05/2013 (33) Name of priority country :Australia

(86) International Application No :PCT/AU2014/000248

:NA

Filing Date :12/03/2014 (87) International Publication No :WO 2014/190373

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

1)P & M HEBBARD PTY LTD

Address of Applicant: 134 Templeton Street Wangaratta

Victoria 3677 Australia (72)Name of Inventor: 1)HEBBARD Peter

#### (57) Abstract:

Filing Date

A catheter system including a catheter (10) and a stylet (30). The stylet includes an elongate portion (31) and a shaped portion (32). The elongate portion is receivable within the catheter. The elongate portion and the catheter are co operably configured such that when the elongate portion is so received at least a portion of the elongate portion is spaced from the catheter such that the at least portion and the catheter together define at least one elongate void for conveying fluid along the catheter at least one of to or from one or more sites within a patient. The shaped portion is positioned to be within the patient.

No. of Pages: 42 No. of Claims: 44

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPARATUS AND METHODS FOR CELLULAR ANALYSIS

(51) International (71) Name of Applicant: :G01N33/48,G01N33/50,G01N33/80 1)DEKA Chiranjit classification (31) Priority Document No :61/822593 Address of Applicant: Chirinjit Deka P.O. Box 226 Morrisville North Carolina 27560 U.S.A. (32) Priority Date :13/05/2013 (72)Name of Inventor: (33) Name of priority :U.S.A. country 1)DEKA Chiranjit (86) International :PCT/US2014/037508 Application No :09/05/2014 Filing Date (87) International :WO 2014/186228 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

Disclosed are apparatus and methods for analyzing bodily fluids such as blood samples using an integrated hematology analyzer and flow cytometer system. Under the present approach an integrated system may operate as a closed fluidic system or an open fluidic system and may selectively perform automated hematologic protocols flow cytometer protocols and custom protocols. Such apparatus may for example identify and enumerate multiple cell types in whole blood based on cellular morphology analyze cellular immunoassays using antibodies labeled to cells and also detect low abundant analytes in whole blood as well as serum and other bodily fluids not attached to cells using bead based immunoassay methods. The system may include a fluid handling system to control sample flow an optical transducer that includes a flow cell optical detectors for light scatter and/or fluorescence and also an illumination source.

No. of Pages: 63 No. of Claims: 34

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR REGULATING THE THICKNESS PROFILE OF INLINE ORIENTED FILMS

(51) International :B29C47/92,B29C55/04,B29C55/28 classification

(31) Priority Document No :10 2013 007 669.2 (32) Priority Date :02/05/2013

(33) Name of priority country: Germany

(86) International Application :PCT/EP2014/000618

:10/03/2014 Filing Date

(87) International Publication :WO 2014/177235

(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)WINDMÃ-LLER & HÃ-LSCHER KG

Address of Applicant: Mý nsterstraß e 50 49525 Lengerich

Germany

(72) Name of Inventor: 1)BACKMANN Martin 2)BUSSMANN Markus 3)GOLDENSTEIN Jens

(57) Abstract:

The invention relates to a method for regulating the thickness profile of inline oriented films which are produced by a blowing method are laid flat and repositioned in an oscillating take off unit and subsequently oriented monoaxially in machine direction in an orientation unit wherein according to the invention the thickness profile of the film is regulated in such a manner that as a result of the stretching a film is formed having in the edge region thereof a specific thickening (40) in relation to the average film thickness across the entire film width excluding edge regions.

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

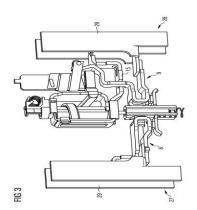
(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SWITCHING DEVICE WITH A HEAT EXTRACTION APPARATUS

(51) International classification :H01H1/62,H01H71/14 (71)Name of Applicant : (31) Priority Document No 1) SIEMENS AKTIENGESELLSCHAFT :10008006.8 (32) Priority Date :30/07/2010 Address of Applicant: Wittelsbacherplatz 2 80333 MÃ<sup>1</sup>/<sub>4</sub>nchen (33) Name of priority country :EPO Germany (86) International Application No :PCT/EP2011/061049 (72)Name of Inventor: 1)KREUTZER Rainer Filing Date :30/06/2011 (87) International Publication No :WO 2012/013440 2)FEIL Wolfgang (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a switching device in particular a circuit breaker with a thermal release (2) on which a moving switching piece (4) is arranged by a contact link support (3) which moving switching piece (4) is borne on a spring body (7) and is arranged opposite stationary switching pieces (8, 9). The invention is distinguished in that a heat extraction apparatus (27, 28, 29) composed of a heat dissipating material is in each case arranged at the side along the stationary switching pieces (8, 9).



No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NETWORK RELAY APPARATUS AND CONTROL METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04N :2012-6941 :17/01/2012 :Japan :NA :NA	(71)Name of Applicant:  1)ALAXALA NETWORKS CORPORATION Address of Applicant: 1-2 Kashimada 1-chome Saiwai-ku Kawasaki Kanagawa 212-0058 Japan Japan (72)Name of Inventor: 1)KONO Tomohiko
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A network relay apparatus includes: a clock generation circuit a processing circuit a load detector and a clock cutoff circuit. The clock generation circuit is configured to generate a clock signal having periodical clock pulses. The processing circuit is configured to operate in synchronism with the clock pulses in order to process data that is to be relayed by the network relay apparatus. The load detector is configured to detect a load of processing by the processing circuit. The clock cutoff circuit is configured to cut off supply of the clock pulses from the clock generation circuit to the processing circuit in order to partially eliminate the clock pulses at a rate corresponding to the load detected by the load detector and to provide the clock signal having the partially eliminated clock pulses to the processing circuit.

No. of Pages: 47 No. of Claims: 12

(22) Date of filing of Application :10/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: HYBRID CUTOFF MEMBER FOR AN ELECTRIC CIRCUIT

:H01H9/54,H01H33/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)TURBOMECA :1355623 (32) Priority Date :17/06/2013 Address of Applicant :64510 Bordes France (33) Name of priority country (72)Name of Inventor: :France (86) International Application No :PCT/FR2014/051323 1)KLONOWSKI Thomas Filing Date :04/06/2014 2)SERGHINE Camel (87) International Publication No :WO 2014/202860 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention consists of a hybrid cutoff member (100; 500) for an electric circuit comprising a static cutoff component (101; 501) and an electromechanical cutoff component characterised in that the static component (101; 501) is fixed on a support (110; 510) bearing electrical contacts (111 112; 511 512) for the static component said support (110; 510) being configured to move on receiving a cutoff command so as to withdraw at least one of said electrical contacts (111 112; 511 512) from the respective pin of same thus forming said electromechanical cutoff component.

No. of Pages: 20 No. of Claims: 14

(21) Application No.10396/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHOD FOR PRODUCING (1 CYCLOPROPYL 6 FLUORO 1 4 DIHYDRO 8 METHOXY 7 [(4AS 7AS) OCTAHYDRO 6H PYRROLO[3 4 B]PYRIDIN 6 YL] 4 OXO 3 QUINOLINE CARBOXYLIC ACID

(31) Priority Document No       :a 2013 05962       1)]         (32) Priority Date       :13/05/2013       2         (33) Name of priority country       :Ukraine       Ukra         (86) International Application No       :PCT/UA2013/000055       (72)	71)Name of Applicant:  1)DERKACH Nataliia Mykolaivna Address of Applicant :ul. Klinichna 23 25 kv. 173 Kiev 03110  (kraine 72)Name of Inventor: 1)DERKACH Nataliia Mykolaivna
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#### (57) Abstract:

The invention relates to methods for producing a chemical compound such as (1 cyclopropyl 6 fluoro 1 4 dihydro 8 methoxy 7 [(4aS 7aS) octahydro 6H pyrrolo[3 4 b]pyridine 6 yl] 4 oxo 3 quinoline carboxylic acid the method comprising an addition of heterocyclic amine which comprises a protective group to ethyl 3 oxo 3 (2 4 5 trifluoro 3 methoxyphenyl)propanoate followed by a reaction with triethyl orthoformate and an addition of a cyclic amine followed by a cyclization thus producing the final product. The claimed production method is technologically simple in comparison with the prior art and does not require special complex technical operations thus simplifying the method for producing said chemical compound and reducing the cost of the final product and the industrial manufacture according to the claimed method has a low hazard level.

No. of Pages: 24 No. of Claims: 5

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR BILL COLLECTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q 20/10 :NA :NA	(71)Name of Applicant:  1)Tata Power Delhi Distribution Ltd Address of Applicant: NDPL House Hudson Lines, Kingsway Camp Delhi -110 009 Delhi India
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor:  1)S L Soni
Filing Date (87) International Publication No	:NA : NA	2)Arti Garg 3)Senthil Kumar
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	4)Megha Bhargav
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed herein is a system a bill payment collection system comprising, at least one collection device configured to receive payment of bill in at least one mode selected from an offline mode or online mode, a payment gateway communicably connected to the at least one collection device, wherein the payment gateway is further configured to authenticate the at least one collection device, and a server communicably connected to the payment gateway. The at least one collection device may be further configured to receive bill payment.

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

(21) Application No.392/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/01/2013 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PROJECTION APPARATUS PROVIDING REDUCED SPECKLE ARTIFACTS

(51) International :H04N9/31,G03B21/56,G03B21/60

classification .H04N9/31,G03B21/30,G03B21/00

:WO 2011/159594

(31) Priority Document No :12/816579 (32) Priority Date :16/06/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/040135

No :13/06/2011

Filing Date

(87) International Publication

(61) Patent of Addition to

Application Number
Filing Date

:NA
:NA

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

(71)Name of Applicant:

1)EASTMAN KODAK COMPANY

Address of Applicant :343 State Street Rochester NY 14650

2201 U.S.A.

(72)Name of Inventor:

1)MARCUS Michael Alan 2)SILVERSTEIN Barry D. 3)KURTZ Andrew Frederick

(57) Abstract:

A projection apparatus for producing color images having reduced speckle artifacts comprising: at least three narrow band light sources having first second and third visible wavelength bands; a digital image source providing color digital image data; at least one spatial light modulator for forming a color image using light responsive to the color digital image data; a projection display surface including a reflective layer that reflects incident illumination in the first second and third wavelength bands; and a fluorescent agent that absorbs a fraction of the incident light in the first visible wavelength bands and emits light in a corresponding first emissive visible wavelength band; and a projection lens that projects the color image onto the projection display surface; wherein return light from the projection display surface contains light in both the first incident visible wavelength band and the first emissive visible wavelength band thereby reducing speckle artifacts.

No. of Pages: 72 No. of Claims: 31

(22) Date of filing of Application :09/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: THERAPEUTIC VIRAL MICROPARTICLES FOR PROMOTING STENT BIOFUNCTIONALITY AND WOUND HEALING IN VERTEBRATE INDIVIDUALS

(51) International :A61K35/76,A61K31/7088,A61K38/18

classification

(31) Priority Document :61/811203

(32) Priority Date :12/04/2013 (33) Name of priority :U.S.A.

country

(86) International

:PCT/CA2014/050369 Application No :11/04/2014

Filing Date

(87) International

:WO 2014/165999 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)MANGOGEN PHARMA INC.

Address of Applicant :500 Cartier West Blvd. Suite 114 Laval

Ouébec H7V 5B7 Canada

(72) Name of Inventor:

1)PRAKASH Satya

2)PAUL Arghya

3)SHUM TIM Dominique

#### (57) Abstract:

The present disclosure provides viral microparticles comprising genetically engineered baculoviruses (at least partially) embedded in a polymeric matrix for the local delivery of therapeutic nucleic acid molecules to the cells of a vertebrate individual (optionally in combination with a medical implant such as vascular stent platform). The viral microparticles are especially useful for promoting the healing of a wound as well as the repair of a blood vessel and prevent pathological scarring. Also provided herein are processes for making the viral microparticles pharmaceutical compositions comprising viral microparticles as well as supports comprising the viral microparticles for the locating the viral microparticles in a wound or in the vicinity of a wound.

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

(21) Application No.11258/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention : GAS DISPENSER FOR DISPENSING ACCURATE DOSES OF THERAPEUTIC GAS FROM A RESERVOIR CONTAINING HIGHLY COMPRESSED THERAPEUTIC GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A61M15/00 :61/350417 :01/06/2010 :U.S.A. :PCT/US2011/038791 :01/06/2011 :WO 2011/153261 :NA :NA	(71)Name of Applicant: 1)CAPNIA INC. Address of Applicant: 2445 Faber Place Suite 250 Palo Alto CA 94303 3348 U.S.A. (72)Name of Inventor: 1)CARTER Troy A.
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Described here are devices for intranasally delivering therapeutic gases to a patient. The devices may include a measurement chamber a combination of pressure regulators and a sequencing mechanism that controls valves associated with the pressure regulators. When implemented in a hand held dispenser the hand held dispenser may reliably deliver consistent doses of gas regardless of the unknown state and pressure of the therapeutic gas in the measurement chamber.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPARATUS FOR HOLDING EVAPORATIVE EMISSION CONTROL SYSTEM

(51) International classification	:F02M25/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HERO MOTOCORP LIMITED
(32) Priority Date	:NA	Address of Applicant :34 COMMUNITY CENTER, BASANT
(33) Name of priority country	:NA	LOK, VASANT VIHAR, NEW DELHI-110057 Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ASHUTOSH PRATAP SINGH
(87) International Publication No	: NA	2)HARISH ARORA
(61) Patent of Addition to Application Number	:NA	3)ABHISHEK MISHRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An apparatus for holding an evaporative emission control system in two wheeled vehicle comprises a plate like member and a plurality of holding provisions. The plate like member at least partially encompasses a top surface of a fuel tank of the two wheeled vehicle, and comprises one or more arm portion, where each arm portion comprises one or more mounting provisions configured to be detachably coupled to the fuel tank or body frame. The plurality of holding provisions is integrally formed on the plate like member for holding a plurality of components of the evaporative emission control system.

No. of Pages: 29 No. of Claims: 21

(21) Application No.2165/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : ADAPTIVE VEHICLE.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)HERO MOTOCORP LIMITED  Address of Applicant: 34 COMMUNITY CENTER, BASANT LOK, VASANT VIHAR, NEW DELHI-110057 Delhi India (72)Name of Inventor:  1)GURVINDER SINGH KALSI 2)JAI PRAKASH
	: NA :NA :NA :NA :NA	7

#### (57) Abstract:

An adaptive vehicle comprises a vehicle body frame and at least one auxiliary device coupled with the body frame. The body frame comprises a head tuhe, a main frame extending from the head tube and a pair. of rear seat sub-frames extending from a rear end of the main frame for. supporting a seat of the adaptive vehicle. Each auxiliary device comprises an auxiliary wheel, an auxiliary frame member, a bracket member and a crutch foot securing means. The bracket member extends outwardly from the auxiliary frame member in a width direction of the adaptive vehicle. The bracket member comprises one or more clamps for accommodating one or more rod portions of a crutch. The crutch foot securing means on a front side of the adaptive vehicle engages a foot portion of the crutch.

No. of Pages: 26 No. of Claims: 12

(21) Application No.405/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/01/2013 (43) Publication Date : 05/02/2016

:9722/DELNP/2007

:14/12/2007

# (54) Title of the invention: ELECTRIC TRANSFORMER EXPLOSION PREVENTION DEVICE

(51) International classification :H01F 27/40 (71)Name of Applicant: (31) Priority Document No 1)PHILIPPE MAGNIER :0506661 (32) Priority Date :29/06/2005 Address of Applicant: 186, AVENUE DU GENERAL DE (33) Name of priority country GAULLE, F-78260 ACHERES, FRANCE France :France (86) International Application No :PCT/FR2006/001419 (72)Name of Inventor : Filing Date 1)PHILIPPE MAGNIER :22/06/2006 (87) International Publication No :WO 2007/003736 (61) Patent of Addition to Application :NA Number :NA Filing Date

### (57) Abstract:

Filed on

Device for preventing the explosion of an electric transformer 1 equipped with a tank 2 filled with combustible coolant fluid, including a pressure relief element 15 to decompress the tank 2, a reservoir 18 arranged downstream of the pressure relief element 15 and at least one stopper valve 20 on the reservoir 18 such that the reservoir 18 is hermetic in order to collect a fluid that passes through the pressure relief element 15.

No. of Pages: 32 No. of Claims: 13

(62) Divisional to Application Number

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR SIGNALING OF PARAMETERS IN A WIRELESS 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> </ul>	:H04N :61/356,726 :21/06/2010 :U.S.A. :PCT/SE2010/051055 :01/10/2010 :WO 2011/16266 :NA	(71)Name of Applicant:  1)Telefonaktiebolaget LM Ericsson (Publ) Address of Applicant: SE-164 83 Stockholm (SE) Sweden (72)Name of Inventor: 1)BALDEMAIRÂ Robert 2)SÃGFORS Mats

#### (57) Abstract:

According to some embodiments a method in a user equipment (920) is provided. According to the method the user equipment receives over a first cell (970) configured on a carrier frequency at least one parameter associated with a second cell (980) configured on a carrier frequency. The at least one parameter comprises a cell identity. The user equipment (920) then derives (1050) at least one physical layer characteristic for the second cell (980) based on the received at least one parameter. Thereby the user equipment (920) is able to receive transmissions over the second cell (980)Â even if it could not initially detect the presence of the cell.

No. of Pages: 53 No. of Claims: 25

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "HYDROPROCESSING CATALYSTS AND THEIR PRODUCTION†•

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07C :61/350,234 :01/06/2010	(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 U.S.A.
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/US2011/038723	(72)Name of Inventor: 1)STUART L. SOLED
Filing Date (87) International Publication No (61) Patent of Addition to Application	:01/06/2011 :WO/2011/153215	2)SABATO MISEO 3)JOSEPH BAUMGARTNER 4)IULIAN G. NISTOR
Number Filing Date	:NA :NA	5)PALLASSANA S. VENKATARAMAN 6)CHRIS E. KLIEWER
(62) Divisional to Application Number Filing Date	:NA :NA	7)ROBERT J. CHIMENTI 8)JAVIER GUZMAN
		9)GORDON KENNEDY 10)DORON LEVIN

# (57) Abstract:

Described herein is a catalyst precursor composition comprising at least one metal from Group 6 of the Periodic Table of the Elements, at least one metal from Groups 8-10 of the Periodic Table of the Elements, and a reaction product formed from (i) a first organic compound containing at least one amine group, and (ii) a second organic compound separate from said first organic compound and containing at least one carboxylic acid group. A process for preparing the catalyst precursor composition is also described, as is sulfiding the bulk mixed metal oxide catalyst precursor composition to form a hydroprocessing catalyst.

No. of Pages: 104 No. of Claims: 15

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "BIOMEDICAL PATCHES WITH ALIGNED FIBERS†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61B :61/355, 712 :17/06/2010 :U.S.A. :PCT/US2011/040691 :16/06/2011 :WO/2011/159889 :NA	(71)Name of Applicant:  1)WASHINGTON UNIVERSITY Address of Applicant: One Brookings Drive St. LouisÂ MO 63130 U.S.A. (72)Name of Inventor: 1)MATTHEW R. MACEWAN 2)JINGWEI XIE 3)ZACK RAY
Filing Date (87) International Publication No	:16/06/2011 :WO/2011/159889	1)MATTHEW R. MACEWAN 2)JINGWEI XIE

#### (57) Abstract:

A structure of aligned (e.g., radially and/or polygonally aligned) fibers, and systems and methods for producing and using the same. One or more structures provided may be created using an apparatus that includes one or more first electrodes that define an area and/or partially circumscribe an area. For example, a single first electrode may enclose the area, or a plurality of first electrode(s) may be positioned on at least a portion of the perimeter of the area. A second electrode is positioned within the area. Electrodes with rounded (e.g., convex) surfaces may be arranged in an array, and a fibrous structure created using such electrodes may include an array of wells at positions corresponding to the positions of the electrodes.

No. of Pages: 61 No. of Claims: 43

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : AUTOMATED REGRESSION TEST CASE SELECTOR AND BLACK BOX TEST COVERAGE TOOL FOR PRODUCT TESTING

(51) International classification	17/50	(71)Name of Applicant : 1)Unisys Corporation
(31) Priority Document No (32) Priority Date	:NA :NA	Address of Applicant :C/o Patent & Technology Law Group MS/2NW, 801 Lakeview Drive, Suite 100, Blue Bell, PA 19422,
(33) Name of priority country	:NA	United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Vivek Kumar
(87) International Publication No	: NA	2)Sahana Shankar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for testing a computer application includes identifying components of a version of the application, said components including one or more components that are one of new and modified, generating a keyword matrix of the identified application components. A search is performed in a test script repository with respect to components listed as at least one of the first and second dimensions of the matrix. The keyword matrix is populated with test case identification numbers in the search result. Based on the populated keyword matrix, one or more of (a) gaps in test case coverage for the version of the application, and (b) one or more test cases covering the version of the application are identified.

No. of Pages: 21 No. of Claims: 18

(21) Application No.422/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/01/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DIMENSIONALLY FLEXIBLE TOUCH FASTENER 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</li> </ul>	:15/07/2011 :WO 2012/009687 :NA :NA	(71)Name of Applicant:  1)ROCHA Gerald  Address of Applicant:50 Gage Road Bedford New Hampshire 03110 U.S.A. (72)Name of Inventor:  1)ROCHA Gerald
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A fastening strip for touch fasteners is provided which includes a corrugated portion as well as fastening elements. The corrugated portion allows the strip to be bent in a plane perpendicular as well as parallel with the longitudinal axis of the strip such that it may be applied to curved surfaces and remain substantially flat. Fastening elements such as hooks loops mushroom shaped bulbous and double hooks may be included on both sides of the strip and on the walls of the channels that form the corrugations as well as between the corrugated fastening strips may be useful for automotive seating and diaper applications. Processes for forming the corrugated fastening strip area also disclosed.

No. of Pages: 62 No. of Claims: 35

(21) Application No.3904/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: WIPER BLADE 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> </ul>	:B23B :102011090126.4 :29/12/2011 :Germany :NA :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)WILMS, CHRISTIAN  2)WINDMOLDERS, ERIC
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present subject matter describes a wiper blade device with a spring rail unit (10a; 10b) and a wiper strip (12a; 12b). According to the present subject matter, the wiper strip (12a; 12b) is formed integrally with at least one component of the spring rail unit (10a; 10b).

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

(21) Application No.3905/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : DIELECTRIC THIN FILM-FORMING COMPOSITION, METHOD OF FORMING DIELECTRIC THIN FILM AND DIELECTRIC THIN FILM FORMED BY THE METHOD

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:11306708.6	` '
(32) Priority Date	:20/12/2011	
(33) Name of priority country	:EPO	CHIYODA-KU, TOKYO, JAPAN Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WATANABE, TOSHIAKI
(87) International Publication No	: NA	2)SAKURAI, HIDEAKI
(61) Patent of Addition to Application Number	:NA	3)SOYAMA, NOBUYUKI
Filing Date	:NA	4)GUEGAN, GUILLAUME
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A liquid composition is provided for forming a thin film in the form of a mixed composite metal oxide in which a composite oxide B containing copper (Cu) and a composite oxide C containing manganese (Mn) are mixed into a composite metal oxide A represented with the general formula: Bal-xSrxTiy03, wherein the molar ratio B/A of the composite oxide B to the composite metal oxide A is within the range of 0.002 < BIA < 0.05, and the molar ratio C/A of the composite oxide C to the composite metal oxide A is within the range of 0.002 < C/A < 0.03.

No. of Pages: 45 No. of Claims: 17

(21) Application No.3906/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : GRAY CAST IRON ALLOY OF HIGH MECHANICAL STRENGTH FOR INTERNAL COMBUSTION ENGINE BLOCKS AND INTERNAL COMBUSTION CYLINDER HEADS

(51) International classification	:C22C	(71)Name of Applicant:
	:BR 10	1)TUPY S.A.
(31) Priority Document No	2012	Address of Applicant :RUA ALBANO SCHMIDT, 3.400
	0194465	BOA VISTA-JOINVILLE- SANTA CATARINA-BRAZIL Brazil
(32) Priority Date	:03/08/2012	(72)Name of Inventor:
(33) Name of priority country	:Brazil	1)GUESSER, WILSON LUIZ
(86) International Application No	:NA	2)MELLERAS, EITAN
Filing Date	:NA	3)MASIERO, ISAIAS
(87) International Publication No	: NA	4)CABEZAS, CARLOS DE SOUZA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

"GRAY CAST IRON ALLOY OF HIGH MECHANICAL STRENGTH FOR INTERNAL COMBUSTION ENGINE BLOCKS AND CYLINDER HEADS", gray cast iron alloy having a composition comprising the following chemical elements and their respective contents: chromium between 0.05 to 0.25%, molybdenum between 0.05 to 0.32%, nitrogen between 0.007 to 0.013%, copper between 0.5 to 0.95% and tin between 0.01 to 0.05%; proposed gray cast iron alloy resulting from combined use of said elements in the previously described ranges, further including the presence of elements such as carbon, phosphorus, silicon, manganese, sulfur and iron. With said iron alloy internal combustion engine blocks and cylinder heads can be manufactured.

No. of Pages: 9 No. of Claims: 3

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PERMANENT MAGNET INCLINOMETER FOR AN INDUSTRIAL MACHINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q :13/330,220 :19/12/2011	·
(33) Name of priority country	:U.S.A.	342 WILMINGTON, DELAWARE 19808 UNITED STATES OF
(86) International Application No	:NA	AMERICA U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TAYLOR, WESLEY P.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Permanent magnet inclinometer for an industrial machine. The industrial machine includes a component movable with respect to the industrial machine that includes a first permanent magnet and a second permanent magnet. A circular magnetic sensor array senses a first magnetic flux associated with the first permanent magnet and a second magnetic flux associated with the second permanent magnet. The circular magnetic sensor array includes a first magnetic sensor that senses the first magnetic flux and a second magnetic sensor that senses the second magnetic flux. The controller receives a first flux signal related to the first magnetic flux and a second flux signal related to the second magnetic flux, analyzes the first flux signal to identify a first peak magnetic flux, and analyzes the second flux signal to identify a second peak magnetic flux. The controller then determines the inclination of the component of the industrial machine based on the first peak magnetic flux and the second peak magnetic flux.

No. of Pages: 28 No. of Claims: 20

(22) Date of filing of Application :21/08/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BRANCHED LINKER FOR PROTEIN DRUG CONJUGATES

(51) International classification	:A61K47/48	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2011/071287	1)LONZA LTD
(32) Priority Date	:25/02/2011	Address of Applicant :Lonzastrasse CH 3930 Visp
(33) Name of priority country	:China	Switzerland
(86) International Application No	:PCT/EP2012/053039	2)LONZA GUANGZHOU RESEARCH AND
Filing Date	:23/02/2012	DEVELOPMENT CENTER LTD.
(87) International Publication No	:WO 2012/113847	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)DUCRY Laurent
Number	:NA	2)STUMP Bernhard
Filing Date	.IVA	3)WONG (WANG) Heilam (Harry)
(62) Divisional to Application Number	:NA	4)SHE Jin (Jacky)
Filing Date	:NA	5)PHILLIPS Gayle

#### (57) Abstract:

The present invention relates to method for connecting a protein and a drug to a protein drug conjugate, wherein the drug is linked to the protein through a specific branched linker, said branched linker comprises a peptide chain and is derived from o-hydroxy p-amino benzylic alcohol, wherein the peptide chain is connected to the phenyl ring via the p-amino group, the drug is connected to the phenyl ring via the benzylic alcohol moiety, and the protein is connected to the phenyl ring via the o-hydroxy group; further to a process for the preparation of said protein-drug-conjugates via various intermediates, to the pharmaceutical use of such protein drug conjugates, such as methods of controlling the growth of undesirable cells, to pharmaceutical compositions comprising such protein drug conjugates, and to intermediates of the preparation of the protein drug conjugates.

No. of Pages: 183 No. of Claims: 17

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "SKIN-FRIENDLY ADHESIVES FROM POLYALKYLETHER-BASED PHOTOINITIATORS†•

<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>	:C08F :PA2010 70282 :22/06/2010 :Denmark :PCT/DK2011/050227 :22/06/2011 :WO/2011/160639 :NA :NA	(71)Name of Applicant:  1)COLOPLASTS A/S  Address of Applicant: Holtedam 1Â DK-3050 Humlebaek  Denmark (72)Name of Inventor:  1)CHRISTIAN B. NIELSEN  2)NIELS JOERGEN MADSEN
	:NA :NA	

### (57) Abstract:

The invention provides a method for manufacturing a skin-friendly pressure-sensitive adhesive composition, said method comprising the steps of: a. providing a matrix composition comprising a polymeric photoinitiator of the general formula (I): R1(A1)r-(R2(A2)m-0)o-(R3(A3)n-O)p-R4(A4)s (I) and b. curing the matrix composition in step a. by exposing it to UV radiation. The matrix composition may additionally comprise one or more adhesive-forming polymers and/or adhesive-forming monomers, or may simply consist of the polymeric photoinitiator of the general formula I, as defined herein. The invention also relates to the skin-friendly pressure- sensitive adhesive composition obtained by the method of the invention, as well as a medical device comprising said adhesive composition.

No. of Pages: 32 No. of Claims: 30

(21) Application No.11106/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43)

(43) Publication Date: 05/02/2016

# (54) Title of the invention : "COMPOSITE ISOPIPE†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:26/05/2011 :WO/2011/150189 :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)NIKOLAY A. PANIN
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A fusion down-draw method for making a glass sheet using a forming body comprising an upper part (101) made of a first material and a lower part (103) made of a second material, where the first material has lower creep rate than the second material at the normal operating temperature of the forming body, and an fusion down-draw forming apparatus comprising such forming body. The invention is advantageous in that it solves the issues of internal stress and long-term creep issue of a unitary forming body made of a single material such as zircon.

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

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "CARRIER FOR ETHYLENE OXIDE CATALYSTS†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C07C :12/794,083 :04/06/2010 :U.S.A. :PCT/US2011/038985 :03/06/2011 :WO/2011/153390 :NA :NA	(71)Name of Applicant:  1)SCIENTIFIC DESIGN COMPANYÂ INC. Address of Applicant: 49 Industrial Avenue Little FerryÂ New Jersey 07643 U.S.A. 2)NORITAKE CO. LIMITED (72)Name of Inventor: 1)SERGUEI PAK 2)ANDRZEJ ROKICKI 3)SHUJI KAWABATA 4)TAKAYUKI OHASHI
- 14	:NA :NA :NA	

## (57) Abstract:

An improved carrier for an ethylene epoxidation catalyst is provided. The carrier includes an alumina component containing a first portion of alumina particles having a particle size of, or greater than, 3  $\mu$ m and up to 6  $\mu$ m, and a second portion of alumina particles having a particle size of, or less than, 2  $\mu$ m. An improved catalyst containing the above-described carrier, as well as an improved process for the epoxidation of ethylene using the catalyst are also provided.

No. of Pages: 26 No. of Claims: 38

(22) Date of filing of Application :27/01/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : IMPROVED HOMEOPATHIC MEDICINE FOR TREATMENT OF DIABETES, POLYCYSTIC OVARY AND OSTEOPOROSIS AND METHOD THEREOF

(51) International classification	:A61K9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. KRISHNA DEVA
(32) Priority Date	:NA	Address of Applicant :N/4-35 B- 2, MAHMANA NAGAR
(33) Name of priority country	:NA	P.O BHU, SUNDER PUR, KARAUNDHI VARANASI Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. KRISHNA DEVA
(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 improved homoeopathic compositions having faster action and targeted drug delivery owing to use of liposomes as a medium in preparing homeopathic compositions, than alcohol alone. The liposomes act as immune-potentiators and carriers of medicinal factors and can be easily incorporated in a wide variety of homoeopathic oral compositions, for human and veterinary use. At high potency, the therapeutic dose comprises not only the original drug in nano- concentrations, but also liposomes, sugar or alcohol. Apart from the active ingredient, the diluent medium also acts as the therapeutic agent. Apart from use of liposomes for enhancing speed of therapeutic action of homeopathic compositions, the invention also discloses novel use of alloxan in the improved compositions (comprising active agent, liposomes and alcohol) for treatment of diabetes, polycystic ovary and osteoporosis.

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

(22) Date of filing of Application :30/03/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: INFLUENCER SCORE

(51) International classification	:G06F15/16	(71)Name of Applicant:
(31) Priority Document No	:62/031,808	` '
(32) Priority Date	:31/07/2014	Address of Applicant :2029 Stierlin Court Mountain View,
(33) Name of priority country	:U.S.A.	California 94043, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GUPTA, Abhishek
(87) International Publication No	: NA	2)LI, Zhang
(61) Patent of Addition to Application Number	:NA	3)BHASIN, Anmol
Filing Date	:NA	4)LIU, Annabel Fang
(62) Divisional to Application Number	:NA	5)YANG, Angela Yoonjeong
Filing Date	:NA	6)REKHI, Sachin

#### (57) Abstract:

A method and system are shown for identifying the most influential members of a social network. The social networking system receives a request to rank a plurality of members of a social networking system based on the influence held by each of the plurality of members. For a respective member in the plurality of members of the social networking system, the social networking system analyzes member interactions of the respective member on the social networking system and generates an influencer score for the respective member based on the analysis of member interactions through the social networking system. The social networking system orders two or more members in the plurality of members of the social networking system based on the influencer scores associated with the two or more members.

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

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: METHOD FOR PRODUCING ROLLING ROLL ROLLING ROLL AND DEVICE FOR PRODUCING **ROLLING ROLL**

(51) International :B21B27/00,B22D19/16,B23K20/12 classification

(31) Priority Document No :2013082965 (32) Priority Date :11/04/2013

(33) Name of priority country: Japan

(86) International Application: PCT/JP2014/060184

No :08/04/2014 Filing Date

(87) International Publication :WO 2014/168142

(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)FUJICO CO. LTD.

Address of Applicant: 18 12 Nakabarunishi 2 chome Tobata

ku Kitakyushu shi Fukuoka 8040011 Japan

(72) Name of Inventor:

1)KIMURA Kenji

2)SONODA Akio

3)YOSHINAGA Hiroshi

4)NAGAYOSHI Hideaki

## (57) Abstract:

This method for producing a rolling roll (10) provided with a roll body member (13) at which a tinkered build up layer (12) is formed at the outer periphery of a core (11) comprising Cr Mo steel or carbon steel and a Cr Mo steel shaft (14 15) provided to both sides in the axial direction of the core (11) has: a pre heating step for the joining ends (16 19) of the roll body member (13) and/or the shaft (14 15); and a friction welding step for rotating the shaft (14 15) while pressing against the core (11) causing friction heating of the joining ends (16 19) and then strongly pressing to weld. A production device (20) has: a first and second grasping means (29 23) for the roll body member (13) and the shaft (14 15); a rotating means that rotates the shaft (14 15); a pressing means (24) that presses the core (11) and shaft (14 15) in the axial direction; and a pre heating means (31) that pre heats the joining ends (16 19) of the roll body member (13) and the shaft (14 15).

No. of Pages: 53 No. of Claims: 17

(21) Application No.11167/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR DELIVERING AN ACTIVE AGENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</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</li> <li>Filing Date</li> </ul> <li>Filing Date</li>	:D01F1/10,A61L27/54,A23L1/00 :61/361159 :02/07/2010 :U.S.A. :PCT/US2011/042667 :30/06/2011 :WO 2012/003367 :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)GLENN Robert Wayne Jr. 2)GORDON Gregory Charles 3)SIVIK Mark Robert 4)RICHARDS Mark Ryan 5)HEINZMAN Stephen Wayne 6)JAMES Michael David 7)REYNOLDS Geoffrey William 8)TROKHAN Paul Dennis 9)HAMAD EBRAHIMPOUR Alyssandrea Hope 10)DENOME Frank William 11)HODSON Stephen Joseph
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## (57) Abstract:

A method for delivering an active agent is provided. The active agent is released from filaments comprising greater than 20 wt. % of the active agent on a dry basis.

No. of Pages: 116 No. of Claims: 14

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "METHODS AND COMPOSITIONS FOR REDUCING OR PREVENTING VASCULAR CALCIFICATION DURING PERITONEAL DIALYSIS 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>	:C12P :61/327,429 23/04/2010 :U.S.A. :PCT/US2011/033571 :22/04/2011 :WO 2011/133855 :NA :NA :NA	(71)Name of Applicant:  1)BAXTER INTERNATIONAL INC. Address of Applicant: One Baxter Parkway DeerfieldÂ Illinois 60015 U.S.A.  2)BAXTER HEALTHCARE S.A. (72)Name of Inventor: 1)BRUCE L. RISER 2)JEFFRE A. WHITE 3)CHRISTOPHER R. DALTON
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#### (57) Abstract:

Methods and compositions for reducing, preventing or reducing the progression of calcification in peritoneal dialysis patients are provided. In an embodiment, the present disclosure provides a method comprising administering to a patient during peritoneal dialysis therapy a dialysis solution comprising a therapeutically effective amount of pyrophosphate ranging between about 30 pM and about 400 pM. Fonnulations of dialysis solutions according to the dose ranges claimed in the present disclosure 3 allow therapeutic amounts of pyrophosphate to be delivered to peritoneal dialysis patients.

No. of Pages: 30 No. of Claims: 26

(21) Application No.8963/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: VERY LOW-DOSED SOLID ORAL DOSAGE FORMS FOR HRT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 :10160072.4 :15/04/2010 :EPO :PCT/EP2011/055716 :12/04/2011 :WO 2011/128336 :NA :NA :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred-Nobel-Strasse 10Â 40789 Monheim Germany (72)Name of Inventor: 1)STEPHAN MLETZKO 2)ROLF SCHÜRMANN 3)KERSTIN GUDE
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#### (57) Abstract:

The present invention relates to a very low-dosed dosage form for hormone replacement therapy (HRT). More parc. 1 ticularly, the present invention concerns a solid oral dosage form comprising about 0.5 mg estradiol and about 0.25 mg drospirenone, and at least one pharmaceutically acceptable excipient. Despite the very low E2 and DRSP doses it has surprisingly been found that a high proportion of the women suffering fkom moderate to severe hot flushes actually respond to this treatment. 3 Accordingly, the dosage form of the invention may be used as maintenance HRT or may be used already when HRT is initiated.

No. of Pages: 27 No. of Claims: 17

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "ENVI ONMENTALLY DEGRADABLE CIGARETTE FILTER†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A47J :12/749,543 :30/03/2010 :U.S.A. :PCT/US2011/027645 :09/03/2011 :WO 2011/123221 :NA :NA	(71)Name of Applicant:  1)CELANESE ACETATE LLC Address of Applicant:1601 West LBJ Freeway Dallas TX 75234 Â USA U.S.A. (72)Name of Inventor: 1)RAYMOND M ROBERTSON 2)WILLIAM C THOMAS
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An environmentally degradable cigarette filter includes a filter element of a bloomed cellulose acetate tow and a r( plug wrap surrounding said filter element. A weak organic acid and a pH adjusted inorganic ester salt are encapsulated in a matrix material which is in contact with the tow. The pH adjusted inorganic ester salt has a pH less than or equal to 8. When the cigarette c.l filter is discarded into the environment, water liberates the weak acid and the ester salt fkom the matrix material. The weak acid hydrolyzes the ester liberating a strong acid. The strong acid catalyzes the degradation of the cellulose acetate tow. (The weak acid 3 also hydrolyzes the cellulose acetate tow, but after the strong acid is generated, the strong acid becomes the dominant acid catalyst for the cellulose acetate tow degradation).

No. of Pages: 25 No. of Claims: 18

(22) Date of filing of Application :05/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: ENHANCED ACTIVATION ONSET TIME OPTIMIZATION BY SIMILARITY BASED PATTERN **MATCHING**

(51) International

classification

:A61B5/00,A61B5/042,A61B5/046

(31) Priority Document No :61/824245 (32) Priority Date :16/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/038357

No :16/05/2014 Filing Date

(87) International Publication

:WO 2014/186684

(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)BOSTON SCIENTIFIC SCIMED INC.

Address of Applicant: One Scimed Place Maple Grove

Minnesota 55311 U.S.A. (72) Name of Inventor:

1)THAKUR Pramodsingh H.

2)ARCOT KRISHNAMURTHY Shantha

3)SHUROS Allan C. 4)SHOME Shibaji 5)MASKARA Barun 6)SAHA Sunipa

#### (57) Abstract:

An anatomical mapping system and method includes mapping electrodes configured to detect activation signals of cardiac activity. A processing system is configured to record the detected activation signals and generate a vector field for each sensed activation signal during each instance of the physiological activity. The processing system determines an onset time and alternative onset time candidates identifies an initial vector field template based on a degree of similarity between the initial vector field and a vector field template from a bank of templates then determines an optimized onset time for each activation signal based on a degree similarity between the onset time candidates and initial vector field template.

No. of Pages: 35 No. of Claims: 28

(22) Date of filing of Application :05/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LEFT RADIAL ACCESS RIGHT ROOM OPERATION PERIPHERAL INTERVENTION 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>	:A61G13/12 :61/856754 :21/07/2013 :U.S.A. :PCT/US2014/034788 :21/04/2014 :WO 2015/012906 :NA :NA :NA	(71)Name of Applicant: 1)CONNER James E. Address of Applicant: 313 North Howard Avenue Landrum SC 29356 U.S.A. 2)WASSON Barney C. Jr. 3)SHEALY Andrew W. (72)Name of Inventor: 1)CONNER James E. 2)WASSON Barney C. Jr. 3)SHEALY Andrew W.
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## (57) Abstract:

Systems and methods for left radial access right room operation peripheral interventions are provided that include left radial bases to stabilize a left arm of a cardiac patient across a midsagittal plane transradiant right radial bases to position a right arm of the patient and radiodense radiation reduction barriers located between the patient and a doctor.

No. of Pages: 31 No. of Claims: 23

(21) Application No.2144/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN IMPROVED METHOD FOR MAINTENANCE OF HOT METAL LADLE

(51) International classification	:C21B3/10,	(71)Name of Applicant:
(31) International classification	C21C1/06	1)STEEL AUTHORITY OF INDIA LIMITED
(31) Priority Document No	:NA	Address of Applicant :SAIL, CORPORATE OFFICE, LODHI
(32) Priority Date	:NA	ROAD NEW DELHI Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT//	1)KUMAR VIKASH
Filing Date	:01/01/1900	2)DAS ASISH KUMAR
(87) International Publication No	: NA	3)MUSTAFI DHIMAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an improved method of maintenance of a hot metal ladle comprising the steps of laying of a false bottom under condition that 80  $\hat{a}$   $\in$  90% of the top bottom lining of the ladle is washed off; laying of false working wall under condition that  $\sim$  60-70% of the side working lining walls is damaged; and laying of false offset at approximately  $120\hat{A}$  on one off-set and 600 on the other under condition that  $\sim$  60-70% ladles have been heavily eroded along belly lining portion.

No. of Pages: 10 No. of Claims: 7

(21) Application No.2439/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/08/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: RECUPERATOR OR HEAT EXCHANGER FOR COMBUSTION CHAMBER

<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>	23/06 :NA :NA :NA	(71)Name of Applicant:  1)PRABHJOT SINGH  Address of Applicant:#154- A, URBAN ESTATE FOCAL POINT RAJPURA(PUNJAB) INDIA Punjab India (72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)PRABHJOT SINGH 2)CHARANJIT SINGH KALRA
(87) International Publication No	: NA	2)CHARAIGH SHIGH RALRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention comprises a recuperator shell (1) mounted on a base (2). The shell has an internal hollow pipe (4) for flue gas exhaust which is connected to an orifice (7) at the base (2), orifice for air inlet (3) and hot air outlet orifice (5). The internal hollow pipe (4) is so designed that at its exterior cylindrical surface, multiple turns of a guide way (6) are welded in a helical fashion. The angle at which each guideway (6) is helixed is 450 which gives a tangential flow direction to natural fresh air entering through the orifice (3).

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

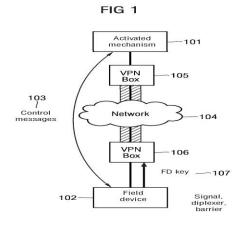
(22) Date of filing of Application :12/01/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR SECURE DATA TRANSMISSION WITH A VPN BOX

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2010 041 804.8	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:30/09/2010	Address of Applicant: Wittelsbacherplatz 2 80333 MÃ <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/065293	(72)Name of Inventor:
Filing Date	:05/09/2011	1)FALK Rainer
(87) International Publication No	:WO 2012/041654	2)FRIES Steffen
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

It is proposed that a VPN box (106) which is connected upstream of a field device (102) use a secret cryptographic key of the field device for authentication when setting up a VPN tunnel and/or when setting up a cryptographically protected communication link.



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

(21) Application No.8990/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHODS AND SYSTEMS FOR REMOVING UNDISSOLVED SOLIDS PRIOR TO EXTRACTIVE FERMENTATION IN THE PRODUCTION OF BUTANOL

(51) International classification: C12P7/16,C07C29/86,B01D21/26 (71) Name of Applicant: (31) Priority Document No :61/356290 (32) Priority Date :18/06/2010 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2011/040899 :17/06/2011 Filing Date

(87) International Publication :WO 2011/160030

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

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

#### 1)BUTAMAX(TM) ADVANCED BIOFUELS LLC

Address of Applicant: Experimental Station Building 268 200 Powder Mill Road Wilmington Delaware 19880 0268 U.S.A.

(72) Name of Inventor:

1)ROESCH Brian Michael 2)BURLEW Keith H. 3)HALLAM John W. 4)LOWE David J.

5)ZAHER Joseph J.

#### (57) Abstract:

A method and system for efficiently producing a fermentative product alcohol such as butanol utilizing in situ product extraction are provided. The efficiency is obtained through separating undissolved solids after liquefying a given feedstock to create a feedstock and prior to fermentation for example through centrifugation. Removal of the undissolved solids avoids problems associated with having the undissolved solids present during in situ production extraction and thereby increases the efficiency of the alcohol production.

No. of Pages: 184 No. of Claims: 58

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : ANALYTICAL METHOD FOR DETECTING FUEL MARKERS USING TWO GAS CHROMATOGRAPHIC CHANNELS WITH TWO SERIALLY ARRANGED COLUMNS EACH

(51) International classification :G01N30/60,G01N30/72,G01N33/28

(31) Priority Document No :61/818509 (32) Priority Date :02/05/2013 (33) Name of priority :U.S.A.

country (96) Intermetional

(86) International PCT/US2014/036493
Application No

Filing Date :02/05/2014

(87) International Publication No :WO 2014/179647

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

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A. 2)NA

(72)Name of Inventor:1)GRAS Ronda L.2)LUONG Jim C.3)SMITH Warren E.

# (57) Abstract:

A gas chromatographic method for detecting a first marker and a second marker in a fuel in two channels: (i) a first capillary column coated with polysiloxane and a second capillary column coated with polyethylene glycol; and (ii) a third capillary column coated with polymethylphenylsiloxane and a fourth deactivated capillary column. The steps are: (a) introducing a first sample into the first column to produce a first effluent; (b) introducing only a portion of the first effluent into the second column to produce a second effluent; (c) allowing the second effluent to pass through a mass spectrometer; (d) introducing a second sample into the third column to produce a third effluent; (e) introducing only a portion of the third effluent into the fourth column to produce a fourth effluent; (f) allowing the fourth effluent to pass through a mass spectrometer.

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

(22) Date of filing of Application :26/12/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: LIQUID TO AIR MEMBRANE ENERGY EXCHANGER

(51) International classification:F28D15/00,F24F12/00,F24F3/147 (71)Name of Applicant:

(31) Priority Document No :61/358321 (32) Priority Date :24/06/2010

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

(86) International Application :PCT/IB2011/002145

:22/06/2011

Filing Date (87) International Publication

:WO 2011/161547

(61) Patent of Addition to :NA

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

:NA Number :NA Filing Date

1) VENMAR CES INC.

Address of Applicant: 1502 D Quebec Avenue Saskatoon SK

2)UNIVERSITY OF SASKATCHEWAN

(72)Name of Inventor:

1)ERB Blake

2)BESANT Robert W. 3)SIMONSON Carey J. 4)HEMINGSON Howard

#### (57) Abstract:

An energy exchanger is provided. The exchanger includes a housing having a front and a back. A plurality of panels forming desiccant channels extend from the front to the back of the housing. Air channels are formed between adjacent panels. The air channels are configured to direct an air stream in a direction from the front of the housing to the back of the housing. A desiccant inlet is provided in flow communication with the desiccant channels. A desiccant outlet is provided in flow communication with the desiccant channels. The desiccant channels are configured to channel desiccant from the desiccant inlet to the desiccant outlet in at least one of a counter flow or cross flow direction with respect to the direction of the air stream.

No. of Pages: 98 No. of Claims: 65

(21) Application No.3206/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :13/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MOTORCYCLE TRANSPORT SYSTEM

(= , = 1)	1/07550 10/2011 Address of Applicant :85 Reid Street Hamilton HM 12Â Bermuda Bermuda (72)Name of Inventor: 1)COX Richard Dawson 2)PIENAAR Christian Albertus
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#### (57) Abstract:

A motorcycle transport system 10 comprising a carrier 12 including a plurality of struts 14 said struts 14 defining a plurality of slots 16 each slot 16 adapted to receive a wheel 18 of a motorcycle 20. The motorcycle transport system 10 includes carrier formations 22 constituting access points for cargo-handling equipment 24 whereby the carrier 12 is portable by said cargo-handling equipment 24. The carrier formations 22 are located in the middle of the carrier 12 and form two channels running along the breadth of the carrier 12. Each of the two channels has an open end 22a and a closed end 22b. The channels formed by the carrier formations 22 are accessible to cargo-handling equipment from the open ends 22a thereof the cargo handling equipment being a forklift 24 in this preferred embodiment of the invention.

No. of Pages: 18 No. of Claims: 9

(21) Application No.9003/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "MEDICINE ADMINISTRATION DEVICE AND MEDICINE INJECTION DEVICE†•

(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:2010-082586	1)TERUMO KABUSHIKI KAISHA
(32) Priority Date	:31/03/2010	Address of Applicant :44-1 Hatagaya 2-chome Shibuya-
(33) Name of priority country	:Japan	ku Tokyo 151-0072 Japan
(86) International Application No	:PCT/JP2011/054801	(72)Name of Inventor:
Filing Date	:02/03/2011	1)TAKAYUKI YOKOTA
(87) International Publication No	:WO 2011/122221	2)YOICHIRO IWASE
(61) Patent of Addition to Application	:NA	3)NAOKI SAKAGUCHI
Number	:NA	4)KAZUNORI KOIWAI
Filing Date		5)YOSHINORI HISHIKAWA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A needle does not come off even if a high back pressure occurs at the skin upper section. Thus, the drug leakage from the skin can be 5 prevented. A drug administration device 1 includes a tubular section 2 having a fluid chamber 7 capable of accommodating a drug and a discharge section 22, a pusher member 3 moving within the tubular section 2, a grip section 4, and a connection section 5. The pusher member 3 includes a rod-shape plunger 31 and a gasket 32. The grip section 4 is 10 disposed along the outer periphery of the tubular section 2 and kept away from the tubular section 2, and the connection section 5 is formed between the Tubular section 2 and the grip section 4.

No. of Pages: 42 No. of Claims: 10

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: A-SUBSTITUTED GLYCINEAMIDE DERIVATIVE

(51) International :C07C237/22,A61K31/166,A61K31/343 classification

(31) Priority Document :2013098835

:08/05/2013 (32) Priority Date

(33) Name of priority :Japan

country

(86) International :PCT/JP2014/062218 Application No

:07/05/2014 Filing Date

(87) International :WO 2014/181788 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)KISSEI PHARMACEUTICAL CO. LTD.

Address of Applicant: 19 48 Yoshino Matsumoto shi Nagano

3998710 Japan

(72) Name of Inventor:

1)HIRASAWA Hideaki 2)KAWAMURA Naohiro

3)KOBAYASHI Junichi

# (57) Abstract:

The present invention provides: a novel a substituted glycineamide derivative or a pharmacologically acceptable salt thereof; a pharmaceutical composition containing the a substituted glycineamide derivative or a pharmacologically acceptable salt thereof; and a use of the a substituted glycineamide derivative or a pharmacologically acceptable salt thereof for medical purposes. The present invention provides a compound which has an inhibitory activity on TRPM8 and is represented by general formula (I) [wherein A represents a C aryl group or the like; A represents a C aryl group or the like; X represents CH or the like; Y represents CRR or the like; R and R independently represent a hydrogen atom or the like; R and R independently represent a halogen atom or the like; and n represents 1 or 2] or a pharmacologically acceptable salt thereof. The compound (I) according to the present invention can be used as a therapeutic or prophylactic agent for diseases or conditions associated with afferent nerve hyperexcitability or injury.

No. of Pages: 157 No. of Claims: 16

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CUTTING TOOL AND CUTTING APPARATUS COMPRISING SAME

(51) International classification: B28D1/06,B28D1/12,B23D49/06 (71) Name of Applicant: :1020130050706 1)EHWA DIAMOND IND. CO. LTD. (31) Priority Document No (32) Priority Date Address of Applicant: 374 Nambu daero Osan si Gyeonggi do :06/05/2013 (33) Name of priority country 447 804 Republic of Korea :Republic of Korea (72)Name of Inventor: (86) International Application :PCT/KR2014/003970 1)PARK Hee Dong :02/05/2014 Filing Date 2)KIM Nam Kwang (87) International Publication :WO 2014/182024 (61) Patent of Addition to :NA **Application Number** 

Filing Date (57) Abstract :

Number

Filing Date

(62) Divisional to Application

A cutting tool and a cutting apparatus comprising the same are disclosed. A cutting tool according to an aspect of the present invention comprises: a blade extending in the longitudinal direction of a workpiece and being adapted to reciprocate so as to cut the workpiece; at least one cutting tip provided in one end of the blade the cutting tip being formed to be projected in the width direction of the blade such that the workpiece is cut when the cutting tip comes into contact with the workpiece; and a cutting assistance unit provided in at least one side of the blade the cutting assistance unit being formed correspondingly to the width of the cutting tip so as to prevent an undesirable movement of the blade within a cutting space formed by the cutting tip. The cutting apparatus comprising the cutting tool comprises: a frame unit provided in both sides of the cutting direction of the workpiece; and the cutting tool provided in one side of the frame unit to be reciprocatable by power transmitted from a driving unit so as to cut the workpiece.

No. of Pages: 43 No. of Claims: 6

(21) Application No.10351/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ZINC COATED STEEL FOR PRESS HARDENING APPLICATION AND METHOD OF **PRODUCTION**

(51) International classification :C23C2/06,C23C2/28,C21D1/78 (71)Name of Applicant :

(31) Priority Document No :61/824791 (32) Priority Date :17/05/2013

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

(86) International Application No: PCT/US2014/038467

Filing Date :16/05/2014 (87) International Publication No: WO 2014/186749

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)AK STEEL PROPERTIES INC.

Address of Applicant: 9227 Centre Point West Chester OH

45069 U.S.A.

(72) Name of Inventor:

1)MUTSCHLER Ralph 2)THOMAS Grant Aaron 3)JANAVICIUS Paul Valdas

4)GARZA MARTINEZ Luis G.

## (57) Abstract:

A zinc coated steel may be produced by performing a pre alloying heat treatment after galvannealing the steel and prior to the hot stamping the steel. The pre alloying heat treatment is conducted at a temperature between about 850°F and about 950°F in an open coil annealing process. The pre alloying heat treatment allows for shorter time at the austenitization temperature to form a desired a Fe phase in the coating by increasing the concentration of iron. This also decreases the loss of zinc and a more adherent oxide exists after hot stamping.

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

(21) Application No.9015/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COUPLING ASSEMBLIES WITH ENHANCED TAKE UP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A47J :61/326,155 :20/04/2010 :U.S.A. :PCT/US2011/032634 :15/04/2011 :WO 2011/133411 :NA :NA	(71)Name of Applicant:  1)ESCO CORPORATION  Address of Applicant: 2141 NW 25th Avenue PortlandÂ  Oregon 97210-2578Â USA U.S.A.  (72)Name of Inventor:  1)BRISCOE Terry L.  2)STANGELAND Kevin S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Coupling assemblies for releasably holding separable parts together and in particular for releasably securing a wear member to a support structure in excavating equipment are formed so as to provide increased take up to ensure a tight fit of the wear member on the support structure even if considerable deviation between the parts exists due to wearing manufacturing variations or the like. The coupling assemblies are suitable for securing points adapters shrouds or other replaceable component to various excavating equipment. The components of the coupling assembly include a wedge and a spool that pivots about a fulcrum when the wedge is driven into assembly for increased take up capabilities. The spool is rotatably engaged around a fulcrum of the support structure and has a bearing portion that bears against and moves the wear member....

No. of Pages: 76 No. of Claims: 31

(21) Application No.11108/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "CONDUCTIVE ADHESIVE †•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C08F :61/344,116 :26/05/2010 :U.S.A. :PCT/CA2011/000599 :26/05/2011 :WO/2011/147016 :NA :NA	(71)Name of Applicant:  1)TURBOSONIC INC.  Address of Applicant:550 Parkside Drive Suite A-14Â Waterloo Ontario N2L 5V4 Canada (72)Name of Inventor:  1)PAUL McGRATH
- 13		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A conductive adhesive is provided useful for providing electrically conductive joints in joins between panels, particularly conductive carbon composite panels in a WESP, is prepared from a corrosion resistant resin and particulate carbon black which is uniformly dispersed in the resin.

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

ON

(21) Application No.11111/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention: FERMENTATION OF BIOMASS

<ul> <li>(51) International classification</li> <li>(31) 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>	:C07C :61/355,922 :17/06/2010 :U.S.A. :PCT/US2011/040726 :16/06/2011	(71)Name of Applicant:  1)POET RESEARCHÂ INC.  Address of Applicant: 4615 North Lewis Avenue Sioux Falls South Dakota 57104 U.S.A.  (72)Name of Inventor:  1)NEELAKANTAM V. NARENDRANATH
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO/2011/159915 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for producing a fermentation product in a fermentation system from biomass that has been pre-treated and separated into a first component and a second component is provided. The method comprises preparing a slurry comprising: supplying the first component to the fermentation system; and providing an ethanologen to the fermentation system. The method also comprises adjusting the pH of the slurry to a range of about 4.5 to about 6.5, maintaining the first component and ethanologen in the fermentation system at a temperature of between about 25 and about 37 degrees Celsius, and recovering fermentation product from the fermentation system. The ethanologen is supplied to the fermentation system in a concentration of less than 2 grams of ethanologen on a dry basis per liter of slurry. The biomass comprises lignocellulosic material. The first component comprises pentose, which can comprise xylose. The ethanologen is capable of fermenting xylose into ethanol.

No. of Pages: 42 No. of Claims: 25

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LUGS OF CONTINUOUS RUBBER TRACKS FOR TRACK VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:24/05/2011 :WO/2011/149887 :NA :NA :NA	(71)Name of Applicant:  1)ATIÂ INC.  Address of Applicant:103 Brown Street P.O. Box 686Â  Mt. Vernon Indiana 47620 U.S.A.  (72)Name of Inventor:  1)JAMSHEED RESHAD  2)DUANE TIEDE
Filing Date	:NA	

#### (57) Abstract:

A continuous flexible track (12) for extending about a plurality of aligned wheels on a vehicle or track module (10), the track includes an outer ground-engaging surface (22) and an inner wheel-engaging surface (24) having inwardly-projecting wheel-engaging lugs (26). Each lug has a proximal end (32), a distal surface (34), front and back surfaces (36, 38) and opposite side surfaces (40, 42). Each lug further includes a flex-groove (44) extending between the side surfaces and from the distal surface toward the proximal end, thereby dividing the lug into two portions to allow around-wheel hinging motion. In most preferred embodiments, a lug-receiving cap (50) may be positioned over and replaceably secured with respect to each lug. A method for prolonging the useful life of such a track is provided.

No. of Pages: 35 No. of Claims: 67

(21) Application No.11114/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MEMBRANE ENHANCED POLYMER SYNTHESIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08F :1008902.7 :27/05/2010 :U.K. :PCT/GB2011/050989 :25/05/2011 :WO/2011/148177 :NA :NA :NA	(71)Name of Applicant:  1)IMPERIAL INNOVATIONS LIMITED  Address of Applicant: Level 12Â Electrical and Electronic Engineering Building Imperial College Exhibition RoadÂ London SW7 2AZ U.K. (72)Name of Inventor:  1)ANDREW GUY LIVINGSTON 2)PIERS ROBERT JAMES GAFFNEY 3)RENATO CAMPOS VASCONCELOS
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#### (57) Abstract:

This invention relates to the synthesis of polymers. More specifically, the present invention relates to the synthesis of heterobifunctional polymers and polymers with narrow and mono-disperse molecular weight distributions, and especially to the application of membranes to the synthesis of these polymers.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN IMPROVED LAMP ASSEMBLY.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01J61/32, H01J61/34 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)FLOWIL INTERNATIONAL LIGHTING (HOLDING) B.V. Address of Applicant: OF PRINS BERNHARDPLEIN 200, 1097 JB AMSTERDAM, THE NETHERLANDS. Netherlands (72)Name of Inventor: 1)FRANK BROEDERS 2)MARC WILLLEMS 3)BENNIE SIMPELAAR
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#### (57) Abstract:

The present invention provides an improved lamp assembly comprising a screwable self locking interface between base and glass bulb. It is associated with the following advantageous features:- - An easy, clean and cost effective connection process without cement, glue or welding. - Cost effective lamp assembly, which provides an efficient assembly line operation. - Simple and in expensive base end structure for electric lamps or similar devices.

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

(21) Application No.9026/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OPERATION OF A MOBILE COMMUNICATION DEVICE

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>	:18/03/2011 :WO 2011/114307 :NA :NA :NA	(71)Name of Applicant:  1)TRANWALL HOLDINGS LIMITED  Address of Applicant :c/o Chang Leung Hui & Li CPA Ltd  12th Floor 3 Lockhart Road Wanchai Hongkong(China)  (72)Name of Inventor:  1)VENTER Nick
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#### (57) Abstract:

The invention discloses a method of operating a mobile communication device to communicate with a remote server including the steps of providing by means of software operated on the mobile device means to input data relating to a payment card authenticating the data relating to the payment card with an authentication authority and providing by means of the software at least means to selectively set permissions on the remote server in respect of an account associated with the card. The invention extends to a system and software for using this method.

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

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD FOR OBTAINING A COMPOSITE HEMOCOMPATIBLE MATERIAL AND RESULTING MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01D :1001724 :22/04/2010 :France :PCT/FR2011/050786 :06/04/2011 :WO 2011/131887 :NA :NA	(71)Name of Applicant:  1)CARMAT  Address of Applicant: 36 avenue de l''Europe Immeuble l''Etendard CS 40533 F-78941 Vélizy Villacoublay cedex France (72)Name of Inventor:  1)MARION MELOT 2)ANTOINE CAPEL
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#### (57) Abstract:

A method for making a hemocompatible material comprising a resistant and impervious synthetic substrate and an animal biological tissue, chemically fixed so as to avoid immunological reactions, such a method wherein said animal tissue is dehydrated, said dehydrated animal biological tissue is glued on said synthetic substrate through a dispersion of the constituent material of said synthetic substrate in a solvent so that said constituent material impregnates said animal biological tissue and then said solvent is removed, characterized In that the dehydration is only obtained by a chemical way through the immersion of said animal biological tissue in a bath made of a solution of polyethylene glycol at at least 80% in weight.

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

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention : "TRIAC DIMMABLE POWER SUPPLY UNIT FOR LED†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 2011/137646 :NA :NA	1)HUIZHOU LIGHT ENGINE LTD. Address of Applicant :No. 7 Building No. 21 Jiang Bei Yun Shan East Road Huizhou City Guangdong China (72)Name of Inventor: 1)WA-HING LEUNG 2)KAM WAH SIU
Filing Date	:NA :NA	

#### (57) Abstract:

A power-factor-corrected power supply adapted to supply power to one or more light emitting diodes (LEDs), comprises: a triac dimmer electrically connected between an alternating current source and a bridge rectifier; a damping circuit electrically connected between the alternating current source and the bridge rectifier; a bleeder circuit configured to conduct current between a supply terminal of the bridge rectifier and ground only when a triac in the triac dimmer is not conducting current; a fast startup circuit configured to conduct current between the supply terminal of the bridge rectifier and a voltage supply terminal of a power-factor-corrected controller when the triac dimmer is initially turned on until a supply voltage capacitor coupled to the voltage supply terminal of the power-factor-corrected controller has charged; a dimming slope control circuit configured to reduce a first voltage sensed at a current sensing terminal of the power-factor-corrected controller, such that a reduced amount of current is supplied to the one or more LEDs at a given firing angle, wherein the first voltage is representative of a current flowing through a primary winding of a flyback transformer; and a dummy load circuit provided in parallel with the one or more LEDs to draw a holding current for the triac only after the triac is turned

No. of Pages: 40 No. of Claims: 16

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : $\hat{a} \in AQUEOUS$ HERBICIDAL CONCENTRATES OF AUXINIC CARBOXYLIC ACIDS WITH REDUCED EYE IRRITANCY $\hat{a} \in AQUEOUS$

## (57) Abstract:

A method to reduce the eye irritancy of aqueous herbicidal concentrates of commonly used ammonium salts of auxinic carboxylic acids derived from mono-, di- or trialkylamines which comprises using the N,N,N-trimethylethanolammonium cation as the 5 ammonium salt of the auxinic carboxylic acid

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

(21) Application No.9048/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "GEARBOX ARRANGEMENT WHICH COMPRISES A FIRST GEARBOX WITH AN ADJOINING RANGE GEARBOX†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:F03B :1050324-1 :01/04/2010 :Sweden :PCT/SE2011/050309 :22/03/2011 :WO 2011/123019 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB  Address of Applicant:S-151 87 Sodertalje Sweden (72)Name of Inventor:  1)DIETER SLAPAK
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a gearbox arrangement which comprises a dual-clutch gearbox (21) and an adjoin-ing range gearbox (22). The dual-clutch gearbox (21) comprises an extra motion-transmitting connection (sl, H1, 40, 44) adapted to transmitting rotary motion from a primary gear (I-IV) to the output shaft (41) without use of the range gearbox (22), so that the gearbox arrangement provides an extra gear of at least one primary gear (I-IV). The extra gear (9-12) is so dimensioned that it has "a higher transmission ratio than the gear (1-4) achieved by the primary gear (I-IV) with a low transmission ratio in the range gear- box (22). and a lower transmission ratio than the gear (17-20) achieved by the primary gear (I-IV) with a high transmission ratio 3 in the range gearbox (22).

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

(22) Date of filing of Application :04/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYNTHETIC LIBRARY OF SPECIFIC BINDING MOLECULES

(51) International :C12N15/13,C07K16/00,C07K16/18 classification

(31) Priority Document No :61/815043 (32) Priority Date :23/04/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/EP2014/058251

Application No :23/04/2014 Filing Date

(87) International Publication :WO 2014/173959

(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 UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN

Address of Applicant : University Office Kings College

Aberdeen AB24 3FX U.K. (72)Name of Inventor:

1)BARELLE Caroline Jane

2)FINLAY William James Jonathan 3)DARMANIN SHEEHAN Alfredo 4)PORTER Andrew Justin Radcliffe

# (57) Abstract:

The present invention provides methods for the production of a library of antigen specific antigen binding molecules having a peptide domain structure represented by the following formula (I): FW 1 CDR1 FW2 HV2 FW3a HV4 FW3b CDR3 FW4 comprising (1) isolating RNA from a member of a species in the Elasmobranchii subclass; (2) amplifying DNA sequences from RNA obtained; (3) selecting a DNA sequence from the database prepared; (4) amplifying DNA sequences encoding two or more contiguous peptide domains of FW1 CDR1 FW2 HV2 FW3a HV4 FW3b CDR3 FW4; (5) ligating together said amplified DNA sequences to form DNA sequences encoding an antigen specific binding molecule; (6) cloning the amplified DNA obtained into a display vector; and (7) transforming a host with said display vector to produce a library of said antigen specific antigen binding molecules. The invention also provides methods for the production of an antigen specific antigen binding molecule as defined pharmaceutical compositions comprising such molecules and uses thereof in medicine.

No. of Pages: 103 No. of Claims: 25

(22) Date of filing of Application :04/11/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ISOLATION OF THERAPEUTIC TARGET SPECIFIC VNAR DOMAINS TO ICOSL

(51) International classification :C12N15/13,C07K16/00,C07K16/18
(31) Priority Document No :61/815043
(32) Priority Date :23/04/2013
(33) Name of priority country:U.S.A.
(86) International :PCT/EP2014/058276
Filing Date :23/04/2014

(87) International Publication :WO 2014/173975

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

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

(71)Name of Applicant:

1)THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN

Address of Applicant : University Office Kings College

Aberdeen AB24 3FX U.K. (72)Name of Inventor:

1)BARELLE Caroline Jane

2)FINLAY William James Jonathan 3)DARMANIN SHEEHAN Alfredo

#### (57) Abstract:

The present invention provides ICOSL specific antigen binding molecules which are isolated from immunized and synthetic Elasmobranchii derived libraries. In particular the present invention relates to shark Variable New Antigen Receptor (VNAR) domains that specifically bind and neutralize the activity of human Induced Co Stimulatory Ligand (ICOSL). The neutralizing VNAR domains are isolated from two independent sources; an immunized nurse shark library and a synthetic spiny dogfish framework fusion library. The molecules may be formulated as pharmaceutical compositions and used in medicine.

No. of Pages: 77 No. of Claims: 18

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ANIMATION AUTHORING SYSTEM AND METHOD FOR AUTHORING ANIMATION

:G06T19/20,G06T13/20 (71)Name of Applicant : (51) International classification 1)JEON Jae Woong (31) Priority Document No :1020100048651 (32) Priority Date Address of Applicant: 39 Banpo daero 5 gi Seocho gu Seoul :25/05/2010 (33) Name of priority country 137 868 Republic of Korea :Republic of Korea 2) CHOY Yoon Chul (86) International Application No :PCT/KR2010/007926 Filing Date :10/11/2010 3)JANG Hvun Ho (87) International Publication No :WO 2011/149160 (72)Name of Inventor: (61) Patent of Addition to Application 1)JEON Jae Woong :NA 2)CHOY Yoon Chul :NA Filing Date 3)JANG Hyun Ho (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

This invention relates to an animation authoring system and an animation authoring method, to enable beginners to produce a three-dimensional animation easily and to solve input ambiguity problem in the three-dimensional environment. The animation authoring method according to the invention comprises the steps of: (a) receiving a plane route of an object on a predetermined reference plane from a user; (b) creating a motion window formed along the plane route and having a predetermined angle to the reference plane to receive motion information of the object on the motion window from the user; and (c) implementing an animation according to the received motion information.

No. of Pages: 62 No. of Claims: 40

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF FORMING A HYDROLYSIS RESISTANT AQUEOUS EMULSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:C08J3/03,C04B41/49,C08L83/04 :61/780067 :13/03/2013 :U.S.A. :PCT/US2014/024356 :12/03/2014 :WO 2014/159598	(71)Name of Applicant:  1)DOW CORNING CORPORATION  Address of Applicant: 2200 West Salzburg Road Midland MI  48686 0994 U.S.A.  (72)Name of Inventor:  1)DAOUST Jennifer A.  2)LECOMTE Jean Paul H.  3)LILES Donald  4)LIU Yihan
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:NA :NA	5)ROGGOW Timothy Andrew II
Number Filing Date	:NA :NA	

#### (57) Abstract:

A hydrolysis resistant aqueous emulsion includes a hydrolyzable silicon containing compound. This emulsion is formed by a method that includes the step of (A) forming a seed emulsion that includes (1) an emulsifier, (2) water, and (3) a first oil phase. The method also includes the step of (B) adding a second oil phase, including a hydrolyzable silicon containing compound, to the seed emulsion. A weight ratio of the second oil phase including the hydrolyzable silicon containing compound to the first oil phase in the seed emulsion is from 0.5 to 50. Moreover, a total weight of the first and second oil phases in the emulsion is at least 60 weight percent.

No. of Pages: 51 No. of Claims: 27

(21) Application No.10421/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/11/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: HIGHLY CORRECTED RELAY SYSTEM

(51) International

:A61B1/055,A61B1/00,G02B27/00 classification

(31) Priority Document No :61/823575 (32) Priority Date :15/05/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/IB2014/001980

No :15/05/2014 Filing Date

(87) International Publication :WO 2014/199236

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

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

Filing Date

(71)Name of Applicant:

1)NOVADAQ TECHNOLOGIES INC.

Address of Applicant :5090 Explorer Drive Suite 202

Mississauga Ontario L4W 4T9 Canada

(72) Name of Inventor:

1)TESAR John

## (57) Abstract:

A highly corrected relay system for medical endoscopes or the like is provided. The system includes a plurality of bonded lenses that are selected to provide color correction from the blue region of the spectrum through to the near infrared region of the spectrum. The system allows co located visible and near infrared images to be resolved on a single detector.

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

(21) Application No.2166/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SECURITY SYSTEM FOR VEHICLE.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B60R 25/10 :NA :NA	(71)Name of Applicant:  1)HERO MOTOCORP LIMITED  Address of Applicant: 34 COMMUNITY CENTER, BASANT LOK, VASANT VIHAR, NEW DELHI-110057 Delhi India
(32) Priority Date (33) Name of priority country (86) International Application No	:NA :NA :NA	(72)Name of Inventor:  1)VIKAS SINGH
Filing Date (87) International Publication No	:NA : NA	2)SHIV SANJAY GUJRAL
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A security system for a vehicle comprises a communication module and an ignition control module. The communication module and the ignition control module are configured in a circuit board in the vehicle and are communicatively coupled with each other. The communication module is configured to receive an ignition disable signal representing an ignition disable command from a mobile device. The ignition control module is configured for controlling enabling of a vehicle ignition unit of the vehicle. The ignition control module is further configured to verify an identity of the communication module each time before enabling the vehicle ignition unit. Moreover, in response to receipt of the ignition disable signal at the communication module, the ignition control module is configured to disable the vehicle ignition unit upon determining an authenticity of the ignition disable signal.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 05/02/2016

:NA

(54) Title of the invention: METHOD OF REDUCING INTRAOCULAR PRESSURE IN HUMANS USING N6-CYCLOPENTYLADENOSINE (CPA) CPA DERIVATIVES OR PRODRUGS THEREOF

(51) International classification :A61K
(31) Priority Document No :61/318,105
(32) Priority Date :26/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No.

(86) International Application No :PCT/US2011/030009 Filing Date :25/03/2011 (87) International Publication No :WO 2011/119969

(61) Patent of Addition to Application
Number

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant:

1)INOTEK PHARMACEUTICALS CORPORATION

Address of Applicant :131 Hartwell Avenue 1st FloorÂ

Suite 105 Lexington MA 02421Â U.S.A.

(72)Name of Inventor:
1)NORMAN N. KIM
2)WILLIAM K. MCVICAR
3)THOMAS G. MCCAULEY
4)PRAKASH JAGTAP

(57) Abstract:

Provided herein is a method of reducing intraocular pressure (IOP) in humans using N6-cyclopentyladenosine (CPA), CPA derivatives or prodrugs or enhanced cornea permeability formulations of CPA. In one embodiment, the invention is directed to CPA derivatives or prodrugs that are permeable to the cornea. In another embodiment, the invention is directed to uses of certain compounds in human subjects for reducing andlor controlling elevated or abnormally fluctuating IOPs in the treatment of glaucoma or ocular hypertension (OHT).

No. of Pages: 65 No. of Claims: 86

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : $\hat{a}\in \alpha$ CATALYST LIFE IMPROVEMENT IN THE VAPOR PHASE FLUORINATION OF CHLOROCARBONS $\hat{a}\in \alpha$

#### (57) Abstract:

A method of preparing fluorinated organic conlounds comprising conlactiizg at least one chlorocarbon, selected from the group consisting of 1,1,2,3- tetrachloropropene, 1, I,1,2,3-per1tachlosopsopanea nd combinations thereoi; with a halogenating agent in the presence of at least one catalyst and as 1 oxygen feed under coilditioiis effective to produce a 2-clzloro-3,3,3,-trifl~1(i1"op~"opene

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

(21) Application No.9041/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

(54) Title of the invention : "AZEOTROPE-LIKE COMPOSITION OF 2 3-DICHLORO-3 3-DIFLUOROPROPENE (HCFO-1232XF) AND HYDROGEN FLUORIDE (HF)†•

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:12/749,640	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:30/03/2010	Address of Applicant :Patent Services M/S AB/2B 101
(33) Name of priority country	:U.S.A.	Columbia Road P.O. Box 2245 Morristown New Jersey
(86) International Application No	:PCT/US2011/027105	07962-2245 U.S.A.
Filing Date	:04/03/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/126634	1)DANIEL C. MERKEL
(61) Patent of Addition to Application	:NA	2)HANG T. PHAM
Number	:NA	3)RYAN HULSE
Filing Date	:NA	4)RAJIV R. SINGH
(62) Divisional to Application Number	:NA	5)KONSTANTIN A. POKROVSKI
Filing Date	:NA	6)HSUEH S. TUNG

#### (57) Abstract:

Provided are azeotropic and azeotrope-like compositions of 2,3- dichloro-3,3-difluoropropene (HCFO-1232xf) and hydrogen fluoride (HF). Such azeotropic and azeotrope-like compositions are useful as intermediates in the production of 2,3,3,3-tetrafluoropropene(HFO-1234yf)

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

(21) Application No.9042/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: BOTULINUM TOXIN DOSAGE REGIMEN FOR CHRONIC MIGRAINE PROPHYLAXIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:29/03/2011 :WO 2011/123456 :NA :NA	(71)Name of Applicant:  1)ALLERGANÂ INC.  Address of Applicant: 2525 Dupont Drive T2-7H IrvineÂ California 92612 U.S.A. (72)Name of Inventor:  1)CATHERINE C. TURKEL 2)SHEENA K. AURORA 3)DAVID W. DODICK 4)MITCHELL F. BRIN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for prophylactically treating a headache in a patient with chronic migraine headaches, the method essentially consisting of: local administration of a botulinum neurotoxin to the frontalis, corrugator, procereus, occipitalis, temporalis, trapezius and cervical paraspinal muscles of the patient that suffers from the migraine headache; wherein the botulinum neurotoxin is administered, to the frontalis at about twenty units divided among four sites a infection; to the corrugator at about ten units divided among two sites of injection; to the procerus at about five units to one site of injection; to the occipilalis at about thirty units divided among six sites of injection up to fifty units divided among ten sites of injection; to the trapezius at about thirty units divided among six sites of injection up to about fifty units divided among ten sites of injection and to the cervical paraspinal muscles at about twenty units divided among four sites of injection; wherein the botulinum neurotoxin is injected at 31 to 39 injection sites.

No. of Pages: 17 No. of Claims: 74

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEVICE FOR A BIOLOGICAL LIQUID TREATMENT INSTALLATION

(51) International classification	:C12N	(71)Name of Applicant:
(31) Priority Document No	:1054516	1)EMD MILLIPORE CORPORATION
(32) Priority Date	:08/06/2010	Address of Applicant :290 Concord Road BillericaÂ
(33) Name of priority country	:France	Massachusetts 01821 U.S.A.
(86) International Application No	:PCT/IB2011/052450	(72)Name of Inventor:
Filing Date	:03/06/2011	1)SEBASTIEN CIROU
(87) International Publication No	:WO/2011/154885	2)RENE REINBIGLER
(61) Patent of Addition to Application	:NA	3)VIRGINIE BUISSON
Number	:NA	4)JEAN-LOUIS WEISSENBACH
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention concerns a device comprising a base (2) and a door (20), said device having a closed door position in which a circuit (8) of the device comprises a bag comprising two flexible films and connectors of the conveying network, and a press (9) comprising a first shell (16) disposed on a front face (5) of said base (2) and a second shell (17) disposed in said door (20); and a hinge system hinging said door (20) relative to said base (2), and disposed only on one side of said door (20) so as to form lateral clearances between said door (20) and said base (2) over the rest of a perimeter of said door (20).

No. of Pages: 46 No. of Claims: 15

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ANTIMICROBIAL LUBRICANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 :12/801,348 :04/06/2010 :U.S.A. :PCT/US2011/000998 :02/06/2011 :WO/2011/152870 :NA :NA	(71)Name of Applicant:  1)SMITHS MEDICAL ASDÂ INC.  Address of Applicant:160 Weymouth Street RocklandÂ MA 02370 U.S.A.  (72)Name of Inventor:  1)DAVID GORAL  2)HARSH CHHEDA  3)JANE WRONKA
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### (57) Abstract:

An antimicrobial lubricant combines an antimicrobial agent, preferably silver based, with a silicone lubricant. This is achieved by first formulating a lubricant solution that has a non-volatile silicone lubricant and a volatile solvent carrier. An antimicrobial agent is added to the lubricant solution. The solution is then subjected to ultrasonic energy so that the antimicrobial agent is uniformly mixed with the lubricant in the solution. The solution containing the antimicrobial lubricant may be sprayed onto a medical device, for example the outer surface of the catheter of a peripheral IV catheter. After the solvent flashes off, a coat of uniform antimicrobial lubricant is formed on the catheter surface. The antimicrobial lubricant coating facilitates the insertion of the catheter to a patient, and at the same time prevents the growth of microorganisms from the device and infection to the patient.

No. of Pages: 19 No. of Claims: 27

(21) Application No.2150/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COARSE DOCUMENT CLASSIFICATION

#### (57) Abstract:

Systems and methods coarsely classify unknown documents in a group or not with reference document(s). Documents get scanned into digital images. Counts of contours are taken. The closer the counts of the contours of the unknown document reside to the 5 reference document(s), the more likely the documents are all of a same type. Embodiments typify contour analysis, classification acceptance or not, application of algorithms, and imaging devices with scanners, to name a few.

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

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: MEMS ACOUSTIC SENSOR WITH INTEGRATED BACK CAVITY

(51) International :H01L29/96,H01L29/84,H01L29/86 classification

(31) Priority Document No :13/800061

(32) Priority Date :13/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/019685

:28/02/2014

Filing Date

(87) International Publication :WO 2014/163989

(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)INVENSENSE INC.

Address of Applicant: 1745 Technology Drive Suite 200 San

Jose CA 95110 U.S.A. (72)Name of Inventor: 1)ATA Erhan Polatkan

2)LIM Martin 3)LI Xiang

4)LLOYD Stephen

5)DANEMAN Michael Julian

#### (57) Abstract:

A MEMS device is disclosed. The MEMS device comprises a first plate with a first surface and a second surface; and an anchor attached to a first substrate. The MEMS device further includes a second plate with a third surface and a fourth surface attached to the first plate. A linkage connects the anchor to the first plate, wherein the first plate and second plate are displaced in the presence of an acoustic pressure differential between the first and second surfaces of the first plate. The first plate, second plate, link age, and anchor are all contained in an enclosure formed by the first substrate and a second substrate, wherein one of the first and second substrates contains a through opening to expose the first surface of the first plate to the environment.

No. of Pages: 34 No. of Claims: 30

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: RUBBER COMPOSITION AND VULCANIZED MOLDED ARTICLE

(51) International classification: C08L11/00,C08K5/103,C08K5/14 (71) Name of Applicant:

(31) Priority Document No :2013042705 (32) Priority Date :05/03/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/055249

Filing Date

:03/03/2014

(87) International Publication

:WO 2014/136712

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

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

1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA

Address of Applicant: 1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038338 Japan

(72) Name of Inventor: 1)IKARI Satoru

2)ABE Yasushi

## (57) Abstract:

Provided are: a rubber composition which enables the production of a vulcanized product having excellent heat resistance and ozone resistance; and a vulcanized product produced from the rubber composition. The rubber composition comprises: 100 parts by mass of a blend rubber comprising 30 to 95 mass% of a chloroprene rubber and 5 to 70 mass% of chlorinated polyethylene; 0.1 to 20 parts by mass of a vulcanization accelerator; and 0.2 to 5 parts by mass of a crosslinking aid. The vulcanization accelerator contained in the rubber composition is preferably a peroxide, and the crosslinking aid is preferably at least one compound selected from a bifunctional ester compound and a trifunctional ester compound. The rubber composition preferably contains phenothiazine in an amount of 2 parts by mass or less relative to 100 parts by mass of the blend rubber to be contained in the rubber composition. The rubber composition can be transformed into a vulcanized molded article by vulcanization molding. The vulcanized molded article can be used as a rubber part for industrial use, such as an automotive sealing material a hose material, a molded rubber part and a gasket.

No. of Pages: 32 No. of Claims: 9

(21) Application No.11082/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TRANSMISSION BELT

(51) International classification	:F16G1/08,F16G5/06	(71)Name of Applicant:
(31) Priority Document No	:2010136069	1)BANDO CHEMICAL INDUSTRIES LTD.
(32) Priority Date	:15/06/2010	Address of Applicant :6 6 Minatojima Minamimachi 4 chome
(33) Name of priority country	:Japan	Chuo ku Kobe shi Hyogo 6500047 Japan
(86) International Application No	:PCT/JP2011/061260	(72)Name of Inventor:
Filing Date	:17/05/2011	1)YAMADA Tomoyuki
(87) International Publication No	:WO 2011/158586	2)TACHIBANA Hiroyuki
(61) Patent of Addition to Application	:NA	3)NAKAMURA Tomonari
Number	:NA	4)NOGUCHI Tadahiko
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Provided is a transmission belt which is friendly to the environment. The transmission belt is constituted of a crosslinked rubber, and is characterized in that 80 mass% or more of the materials therefor were accounted for by resources not derived from petroleum and that the crosslinked rubber has been formed from natural rubber as the base rubber.

No. of Pages: 37 No. of Claims: 16

:NA

(19) INDIA

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: POLYPEPTIDE HAVING BETA GLUCOSIDASE ACTIVITY AND USES THEREOF

(51) International classification :C07K14/37,C12N9/24,C12N9/42 (71)Name of Applicant : 1)DSM IP ASSETS B.V. (31) Priority Document No :10167776.3 (32) Priority Date :29/06/2010 Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen (33) Name of priority country :EPO Netherlands (86) International Application (72) Name of Inventor: :PCT/EP2011/060573 No 1)SCHOONEVELD BERGMANS Margot Elisabeth :23/06/2011 Filing Date Francoise (87) International Publication 2) HEIJNE Wilbert Herman Marie :WO 2012/000890 3)DAMVELD Robbertus Antonius (61) Patent of Addition to 4)DE JONG René Marcel :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

The invention relates to a polypeptide comprising the amino acid sequence set out in SEQ ID NO: 2 or an amino acid sequence encoded by the nucleotide sequence of SEQ ID NO: 1 or a variant polypeptide or variant polynucleotide thereof wherein the variant polypeptide has at least 96% sequence identity with the sequence set out in SEQ ID NO: 2 or the variant polynucleotide encodes a polypeptide that has at least 96% sequence identity with the sequence set out in SEQ ID NO: 2. The invention features the full length coding sequence of the novel gene as well as the amino acid sequence of the full length functional polypeptide and functional equivalents of the gene or the amino acid sequence. The invention also relates to methods for using the polypeptide in industrial processes. Also included in the invention are cells transformed with a polynucleotide according to the invention suitable for producing these proteins.

No. of Pages: 84 No. of Claims: 25

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: POLYPEPTIDE HAVING CARBOHYDRATE DEGRADING ACTIVITY AND USES THEREOF

(51) International classification	:C12N9/24,C12P19/14	(71)Name of Applicant :
(31) Priority Document No	:10167767.2	1)DSM IP ASSETS B.V.
(32) Priority Date	:29/06/2010	Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2011/060576	(72)Name of Inventor:
Filing Date	:23/06/2011	1)SCHOONEVELD BERGMANS Margot Elisabeth
(87) International Publication No	:WO 2012/000891	Francoise
(61) Patent of Addition to Application	:NA	2)HEIJNE Wilbert Herman Marie
Number	:NA	3)VLASIE Monica Diana
Filing Date	.11/1	4)DAMVELD Robbertus Antonius
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a polypeptide comprising the amino acid sequence set out in SEQ ID NO: 2 or an amino acid sequence encoded by the nucleotide sequence of SEQ ID NO: 1 or a variant polypeptide or variant polynucleotide thereof wherein the variant polypeptide has at least 73% sequence identity with the sequence set out in SEQ ID NO: 2 or the variant polynucleotide encodes a polypeptide that has at least 73% sequence identity with the sequence set out in SEQ ID NO: 2. The invention features the full length coding sequence of the novel gene as well as the amino acid sequence of the full length functional polypeptide and functional equivalents of the gene or the amino acid sequence. The invention also relates to methods for using the polypeptide in industrial processes. Also included in the invention are cells transformed with a polynucleotide according to the invention suitable for producing these proteins.

No. of Pages: 80 No. of Claims: 25

(21) Application No.9074/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/10/2012 (43) Publication Date: 05/02/2016

# (54) Title of the invention: ANTIBODIES THAT BIND CSF1R

(51) International classification :A61K39/395,C07K16/00,C07H21/04

(31) Priority Document No :61/331177 (32) Priority Date :04/05/2010

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

country

(86) International Application No :PCT/US2011/035231

Filing Date :04/05/2011

(87) International Publication No :WO 2011/140249

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

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

(71)Name of Applicant:

1)FIVE PRIME THERAPEUTICS INC.

Address of Applicant :Two Corporate Drive South San

Francisco CA 94080 U.S.A. (72)Name of Inventor:

1)WONG Justin

2)VASQUEZ Maximiliano

# (57) Abstract:

Antibodies that bind CSF1 R are provided. Antibody heavy chains and light chains that are capable of forming antibodies that bind CSF1R are also provided. Polynucleotides encoding antibodies to CSF1R are provided. Polynucleotides encoding antibody heavy chains and lights chains are also provided. Methods of treatment using antibodies to CSF1R are provided. Such methods include but are not limited to methods of treating rheumatoid arthritis bone loss and multiple sclerosis.

No. of Pages: 184 No. of Claims: 83

(21) Application No.9076/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: XYLENES ISOMERIZATION PROCESS AND CATALYST THEREFOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C07C :61/326,445 :21/04/2010 :U.S.A.	(71)Name of Applicant:  1)EXXONMOBIL CHEMICAL PATENTS INC.  Address of Applicant:5200 Bayway Drive Baytown TX  77520 U.S.A.
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/US2011/031445 :06/04/2011 :WO 2011/133326 :NA :NA :NA	(72)Name of Inventor: 1)JOHN D. Y.OU 2)APRIL D. ROSS 3)DORON LEVIN 4)MOHAN KALYANARAMAN 5)WENYIH F. LAI

## (57) Abstract:

The invention concerns a xylenes isomerization process for the production of equilibrium or near-equilibrium xylenes. The process utilizes a catalyst comprising HZSM-5 or MCM-49 and process conditions including a temperature of less than  $295 \hat{A}^{\circ}C$  and a pressure sufficient to maintain the xylenes in liquid phase. In embodiments, the process can be operated in a continuous mode with ppm levels of dissolved H2 in the feed and in other embodiments in a cyclic mode without the H2 in feed but with periodic regenerations using a feed having low ppm levels of H2.

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

(21) Application No.10363/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: HEAD AND EYE TRACKING

(51) International classification :G06T7/20,A61B3/14,A61B5/11 (71)Name of Applicant :

(31) Priority Document No :609259 (32) Priority Date :10/04/2013 (33) Name of priority country :New Zealand

(86) International Application No:PCT/NZ2014/000063

Filing Date :10/04/2014 (87) International Publication No: WO 2014/168492

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)AUCKLAND UNISERVICES LIMITED

Address of Applicant: 70 Symonds Street Auckland 1010 New

Zealand

2)THOMPSON Ben 3)TURUWHENUA Jason (72)Name of Inventor: 1)THOMPSON Ben

2)TURUWHENUA Jason

#### (57) Abstract:

Embodiments of the invention relate to a method of extracting eye velocity information from a video footage having a plurality of frames comprising detecting at least part of an eye in at least two frames of the video footage applying an optical flow algorithm to the at least two frames of the video footage to extract pixel velocity information and determining a statistical measure from the pixel velocity information within the detected at least part of the eye. Other embodiments of the invention relate to a method of extracting head image trajectory information from a video footage having a plurality of frames comprising detecting at least part of a facial region of the head image in at least two frames of the video footage determining a measure of the movement of the at least part of a facial region between the at least two frames and determining a transformation map from the measure of the movement.

No. of Pages: 48 No. of Claims: 51

(21) Application No.10364/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention: MITOCHONDRIAL PROTEINS CONSTRUCTS AND USES THEREOF

(51) International :C07K14/435,C12N1/00,A61K48/00 classification

(31) Priority Document No :61/811934 (32) Priority Date :15/04/2013

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

(86) International :PCT/IL2014/050354

Application No :10/04/2014 Filing Date

(87) International Publication: WO 2014/170896

(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)BIO BLAST PHARMA LTD.

Address of Applicant :37 Menachem Begin Street Rubinstein

Tower 15th floor 6522042 Tel Aviv Israel

(72)Name of Inventor:

1)LORBERBOUM GALSKI Haya

2)GREIF Hagar

# (57) Abstract:

Disclosed are novel fusion protein constructs comprising a functional mitochondrial protein that can enter mitochondria within intact cells. Further disclosed are methods of treating mitochondrial disorders by the disclosed fusion proteins and compositions therefor.

No. of Pages: 161 No. of Claims: 28

(21) Application No.332/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/01/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FIXATION DEVICE WITH MAGNESIUM CORE

(51) International classification	:A61B17/04,A61B17/064	(71)Name of Applicant:
(31) Priority Document No	:61/380884	1)SYNTHES GMBH
(32) Priority Date	:08/09/2010	Address of Applicant :Eimattstrasse 3 CH 4436 Oberdorf
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/049994	(72)Name of Inventor:
Filing Date	:31/08/2011	1)VOISARD Cyril
(87) International Publication No	:WO 2012/033689	2)BOUDUBAN Nicolas
(61) Patent of Addition to Application	·NIA	
Number		
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2012/033689 :NA :NA :NA	1 '

# (57) Abstract:

A fixation device comprises a biodegradable inner core extending along a longitudinal axis from a distal tip to a proximal end in combination with a sleeve surrounding the core along a portion of a length thereof and comprising a thermoplastic polymer formed of a material which softens and expands into surrounding bone tissue when activated by an energy source.

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

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLENOID VALVE WITH PROGRESSIVE SPRING INSIDE ANCHOR

	51) International electification	:F16K31/40,F16F1/04,F16K31/06	(71) Name of Applicant.
	31) Priority Document No	:13173862.7	1)DANFOSS A/S
	•		•
(	32) Priority Date	:26/06/2013	Address of Applicant :Nordborgvej 81 DK 6430 Nordborg
(	33) Name of priority country	:EPO	Denmark
(	86) International Application	:PCT/IB2014/062609	(72)Name of Inventor:
]	No		1)JENSEN Leo Finn
	Filing Date	:26/06/2014	
(	87) International Publication	:WO 2014/207684	
]	No	. W O 2014/207004	
(	61) Patent of Addition to	N. 1	
	Application Number	:NA	
•	**	:NA	
	Filing Date		
(	62) Divisional to Application	:NA	
]	Number		
	Filing Date	:NA	

## (57) Abstract:

A solenoid valve (1, 101) is provided comprising a housing(2, 102), having an inlet and an outlet (6), wherein the solenoid valve also comprises a valve element (9, 109) and a valve seat (10, 110). To provide a solenoid valve to be used with high maximum operating pressure differences between inlet and outlet, the solenoid valve comprises at least one progressive spring (24), wherein the valve element is forced by the at least one progressive spring. Thereby, the spring force acting on the valve element in the closed position of the valve may be decreased, while still retaining a large spring force in the opened position of the solenoid valve.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: POLYALKOXYLATED ALCOHOLS AS EXCIPIENTS FOR PHARMACEUTICAL COMPOSITIONS

(51) International classification :A61K47/10,A61K9/48,A61K31/10

(31) Priority Document No :61/803478 (32) Priority Date :20/03/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/011284

Filing Date :13/01/2014

(87) International Publication :WO 2014/149160

No

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

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

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A.

(72)Name of Inventor:

1)LADIKA Mladen

2)ZHAO Jin

3)TULCHINSKY Michael L. 4)KALANTAR Thomas H.

5) HARRIS J. Keith

# (57) Abstract:

The present invention relates to the use of polyalkoxylated alcohols of the formula R-0 -(AO)-H, wherein R is a sub-stituted or unsubstituted alkyl, alkenyl, arkyl, aralkyl or heterocyclic group having 7 to 25 carbon atoms, (AO) is a polyoxyal kylene moiety of the composition (BO)m(EO)n(DO)r with random or blockwise arrangement of the constituting oxyalkylene units, wherein m, n and r represent the average number of oxybutylene (BO) units, oxyethylene (EO) units and oxyalkylene units derived from at least one epoxide selected from styrene oxide and alkylene oxides having from 5 to 10 carbon atoms (DO) per molecule of the polyalkoxylated alcohol, respectively, m being a number greater than or equal to 1, n being a number greater than or equal to 1 and r being a number in the range from 0 to 50 under the proviso that (m+n+r) is less than or equal to 200 and the ratio n/(m+r) is in the range of 1 to 20, as excipients in pharmaceutical compositions. Said polyalkoxylated alcohols enable very effective solubilisation of poorly soluble active pharmaceutical ingredients in aqueous media. Solid or semi-solid pharmaceutical compositions comprising one or more such polyalkoxylated alcohol combined with at least one active pharmaceutical ingredient are further long term stable under typical storage conditions and can be readily provided in various dosage forms such as tablets and filled capsules.

No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SAFETY SYSTEM FOR A NEEDLE RETAINING DEVICE

(51) International classification	:A61M5/32	(71)Name of Applicant:
(31) Priority Document No	:61/776414	1)AUERBACH Judith
(32) Priority Date	:11/03/2013	Address of Applicant :Hauptstrasse 118 CH 9052
(33) Name of priority country	:U.S.A.	Niederteufen Switzerland
(86) International Application No	:PCT/US2014/023561	(72)Name of Inventor:
Filing Date	:11/03/2014	1)GEIGER Joerg
(87) International Publication No	:WO 2014/164823	2)KUSOGULLARI Levent
(61) Patent of Addition to Application	:NA	3)DENNING C. Garyen
Number	:NA	4)CORSON Andrew J.
Filing Date	.IVA	5)WILLARD Gretchen Elizabeth
(62) Divisional to Application Number	:NA	6)SCHMIDT David
Filing Date	:NA	

#### (57) Abstract:

Embodiments described herein include a safety system including a needle guard assembly , where the needle guard assembly can be configured for attachment to a needle retaining device having a proximal end ,a distal end , where a needle can be fixedly coupled to the distal end. The needle guard assembly can include a first cylinder , where the first cylinder can be attached to the distal end of the needle retaining device. The needle guard assembly can include a second cylinder where the second cylinder can be selectively movable relative to the first cylinder from a first position , to a second position wherein the needle is fully exposed to a third position where the needle is fully covered. The needle safety system can include a sterile barrier , where the sterile barrier can be configured to maintain the sterility of the needle until use and a flexible hinge, where the flexible hinge can be associated with the needle guard assembly and can lock the second cylinder in the third position such that the second cylinder cannot be advanced proximally in the third position.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : HOISTING TYPE CONTINUOUS CASTING DEVICE AND HOISTING TYPE CONTINUOUS CASTING 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> <li>Filing Date</li> </ul>	:B22D11/01,B22D11/04 :NA :NA :NA :NA :PCT/JP2013/002456 :10/04/2013 :WO 2014/167600 :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)KUSAKA Yusei
Number Filing Date (62) Divisional to Application Number		
Filing Date	:NA	

#### (57) Abstract:

This hoisting type continuous casting device is provided with: a holding furnace (101) for holding a molten metal; an extraction unit (107) for extracting the molten metal from the surface of the molten metal held in the holding furnace; a shape-defining member (102) installed near the surface of the molten metal, the shape-defining member (102) applying an external force onto the held molten metal, which is the pre-solidification molten metal extracted by the extraction unit, and thereby defining the cross - sectional shape of the casting to be casted; and a temperature measurement unit (108) for measuring the temperature of the held molten metal. The temperature of the held molten metal is controlled on the basis of the result of measurement by the temperature measurement unit

No. of Pages: 33 No. of Claims: 26

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : UP- DRAWING CONTINUOUS CASTING APPARATUS AND UP- DRAWING CONTINUOUS CASTING 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>	:B22D11/01,B22D11/04 :NA :NA :NA :PCT/JP2013/002453 :10/04/2013 :WO 2014/167598 :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)SUGIURA Naoaki 2)KUSAKA Yusei
` '		2)KUSAKA Yusei
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This up-drawing continuous casting apparatus i s provided with: a holding furnace (101) for holding the molten metal; a shape-regulating member (102), which i s set near the surface of the molten metal being held i n the holding furnace and i s for regulating the cross sectional shape of the casting being cast as a result of the molten metal passing therethrough; first nozzles (106) for blowing cooling gas on the casting formed by coagulation of the molten metal that has passed through the shape-regulating mem ber; and second nozzles (104) for blowing gas diagonally upward toward the casting from below the position at which the first nozzles blow cooling gas on the casting.

No. of Pages: 33 No. of Claims: 15

13)MIZUGUCHI Eisaku

14)ICHIDA Yasuhiro 15)OHTOMO Shuichi 16)HORIBA Naoshi

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DIHYDROPYRIDAZINE 3, 5 -DIONE DERIVATIVE

(71)Name of Applicant: 1)CHUGAI SEIYAKU KABUSHIKI KAISHA (51) International Address of Applicant :5 1 Ukima 5 chome Kita ku Tokyo :C07D237/04,A61K31/50,A61K31/501 1158543 Japan classification (72)Name of Inventor: (31) Priority Document No:2013051082 1)OHTAKE Yoshihito (32) Priority Date :13/03/2013 (33) Name of priority 2)OKAMOTO Naoki :Japan country 3)ONO Yoshiyuki (86) International 4)KASHIWAGI Hirotaka :PCT/JP2014/056778 Application No 5)KIMBARA Atsushi :13/03/2014 Filing Date 6)HARADA Takeo (87) International 7)HORI Nobuyuki :WO 2014/142273 **Publication No** 8)MURATA Yoshihisa 9)TACHIBANA Kazutaka (61) Patent of Addition to :NA Application Number 10)TANAKA Shota :NA Filing Date 11)NOMURA Kenichi (62) Divisional to 12) IDE Mitsuaki :NA

#### (57) Abstract:

**Application Number** 

Filing Date

According to the present invention provided are a dihydropyridazine- 3 ,5- dione derivative, a salt thereof, and solvates of the derivative and of the salt. Also provided are the following that contain any of said compounds as an active ingredient: a drug, a drug composition, a sodium- dependent phosphate transporter inhibitor, and a prophylactic and/or therapeutic agent as well as a prophylactic and/or therapeutic method for hyperphosphatemia, secondary hyperparathyroidism, and chronic renal failure.

No. of Pages: 418 No. of Claims: 33

:NA

(21) Application No.9080/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: STEERING MECHANISM FOR PEDAL DRIVEN VEHICLE

(31) Priority Document No       :61/779701       1)C         (32) Priority Date       :13/03/2013       A         (33) Name of priority country       :U.S.A.       U.S.A         (86) International Application No       :PCT/US2014/024300       (72)N	
--	--

## (57) Abstract:

The present invention relates to a steering assembly for a vehicle, comprising two rotatable rods, oriented vertically and having a wheel attachment means on one end wherein wheels can be rotatably secured. The rods are connected to a first cross bar in such a way that enables the steering assembly to be attached to the vehicle frame and allows the rods to rotate. The rods are also rotatably attached to a second cross bar on the opposite end of the rod in such a way as to allow the rods to rotate. The rods are also attached to a steering means in a manner that enables them to be manually rotated in unison and which in turn pivots the wheels and steers the vehicle.

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

(21) Application No.9081/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DENTAL COMPOSITION COMPRISING CHELATOR AND BASE

(51) International classification	:A61K8/18,A61K9/06,A61Q11/00	(71)Name of Applicant:
(31) Priority Document No	:61/851748	1)STEIN Emily A.
(32) Priority Date	:12/03/2013	Address of Applicant :963 Helen Avenue San Leandro CA
(33) Name of priority country	:U.S.A.	94577 U.S.A.
(86) International Application	:PCT/US2014/024613	(72)Name of Inventor:
No	:12/03/2014	1)STEIN Emily A.
Filing Date	.12/03/2014	
(87) International Publication	:WO 2014/159659	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

## (57) Abstract:

The present invention relates to non-toxic consumable compositions and formulations comprising chelator and base having synergistic effects on microbial metabolism and/or growth and/or pathogenic effectors and their use to promote and maintain health in mammals. The current invention also relates to non-toxic consumable compositions comprising more than one chelator and/or more than one base. The present invention further relates to methods for selecting said chelator and base composition and  $\hat{A}^{34}$  methods for detecting conditions in which selected compositions may be used. The present invention relates to the synergistic compositions and methods of their use for maintaining health, promoting health and treating diseases.

No. of Pages: 56 No. of Claims: 26

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : BUCKET WHEEL FOR REMOVING MATERIALS FROM A MATERIAL COMPOSITE PARTICULARLY OF HIGH HARDNESS

(51) International classification	:E02F3/24,E02F9/28	(71)Name of Applicant:
(31) Priority Document No	:10 2013 102 407.6	1)THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
(32) Priority Date	:11/03/2013	Address of Applicant :ThyssenKrupp Allee 1 45143 Essen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2014/054547	(72)Name of Inventor:
Filing Date	:10/03/2014	1)RAAZ Viktor
(87) International Publication No	:WO 2014/139927	2)GEESMANN Franz Otto
(61) Patent of Addition to Application	:NA	3)BUTTERBACH Edeltraud
Number		4)HOFMANN Bastian
Filing Date	:NA	5)GRUSZIEN Christian
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a  $b\tilde{A}'$ 4cket wheel (1) for removing materials from a material composite (25), particularly of high hardness, comprising a main body (10), which extends around a  $b\tilde{A}'$ 4cket wheel rotational axis (11) and on which a plurality of buckets (12) having  $b\tilde{A}'$ 4cket cutters (13) are accommodated, said buckets being distributed on the circumference of the main body, wherein a plurality of cutting teeth (14) are arranged on each  $b\tilde{A}'$ 4cket cutter (13), the cutting teeth being movable on respective circular orbits (15, 16) by rotation of the main body (10) about the  $b\tilde{A}'$ 4cket wheel rotational axis (11). According to the invention, the cutting teeth (14) that are accommodated on adjacent  $b\tilde{A}'$ 4cket cutters (13) are arranged offset from one another, at least in part, such that the cutting teeth are movable on circular orbits (15, 16) offset in the direction of the  $b\tilde{A}'$ 4cket wheel rotational axis (11).

No. of Pages: 30 No. of Claims: 13

(21) Application No.9083/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: COATED PACKAGING

(51) International

:C23C16/40,C23C16/04,C23C16/02

classification

(31) Priority Document No :61/776733

(32) Priority Date

:11/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/023813

:11/03/2014

Filing Date

(87) International Publication :WO 2014/164928

(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)SiO2 MEDICAL PRODUCTS INC.

Address of Applicant :2250 Riley Street, Auburn, AL 36832

U.S.A.

(72) Name of Inventor:

1)WEIKART Christopher

2)CLARK Becky L.

3)STEVENSON Adam

4)FELTS John T.

A vessel has an interior surface facing a lumen. The interior surface in cludes a tie coating or layer, a barrier coating or layer, and a pH protective coating or layer. The tie coating or layer can comprise SiOxCy or SiNxCy, where x is from about 0.5 to about 2.4 and y is from about 0.6 to about 3. The barrier coating or layer can comprise SiOx, wherein x is from 1.5 to 2.9. The barrier coating or layer reduces the ingress of atmospheric gas into the lumen. The pH protective coating or layer can comprise SiOxCy or SiNxCy, as well. In an embodiment, in the presence of a fluid composition contained in the lumen and having a pH between 5 and 9, the calculated shelf life of the package can be more than six months at a storage temperature of 4°C.

No. of Pages: 146 No. of Claims: 15

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OPTIMIZING PRODUCTION OF PACKAGING PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:B31B1/00 :61/359753 :29/06/2010 :U.S.A. :PCT/US2011/042100 :28/06/2011 :WO 2012/006050 :NA :NA	(71)Name of Applicant: 1)PACKSIZE LLC Address of Applicant: 4505 Wasatch Boulevard Salt Lake City UT 84124 U.S.A. (72)Name of Inventor: 1)PETTERSSON Niklas
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention extends to methods systems and computer program products for optimizing production of packaging products. Packaging products can be automatically produced on demand and can be optimized based on stored and/or real time information. In some embodiments a request for a packaging product is received and a real time design optimization system accesses information about one or more design groups. The one or more design groups include multiple design options. The multiple design options are scored based on stored and/or real time criteria. Based on the score one or more top designs are identified for production and/or selection by an operator of the system.

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

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MULTILEVEL SILHOUETTES IN AN ONLINE SHOPPING ENVIRONMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G06Q30/00 :61/377914 :28/08/2010 :U.S.A. :PCT/US2011/049444 :26/08/2011 :WO 2012/033654 :NA :NA	(71)Name of Applicant: 1)EBAY INC. Address of Applicant:2145 Hamliton Avenue San Jose California 95125 U.S.A. (72)Name of Inventor: 1)KUNDU Rini
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## (57) Abstract:

Selecting a first silhouette image of an item at a client machine displays a plurality of silhouette images representing aspects of the item such as style length type and sleeve type. Selecting any of those aspects allows a server to search a database for listings of similar items that have those aspects. Concurrently selecting one or more of the images representing those aspects and one or more sizes allows a server to search a database for listings of similar items that have those aspects and those sizes.

No. of Pages: 38 No. of Claims: 21

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS FOR MAKING ANIMAL FEED FROM LIGNOCELLULOSIC BIOMASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A23K1/14 :61/352579 :08/06/2010 :U.S.A. :PCT/IB2011/001962 :08/06/2011 :WO 2011/154845 :NA :NA :NA	(71)Name of Applicant:  1)KENNETH Hillel Peter Harris Address of Applicant: Trollhaugen 24 N 1384 Asker Norway (72)Name of Inventor:  1)KENNETH Hillel Peter Harris
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## (57) Abstract:

The present invention provides a method of making animal feed from lignocellulosic biomass. Biomass material having a moisture content of less than 30% is introduced into a pressure vessel. A vacuum is applied to the pressure vessel for at least one and preferably two minutes. Then steam is introduced to heat the biomass material to a temperature range of between about  $180 {\hat {\rm A}}^{\circ}{\rm C}$  and  $235 {\hat {\rm A}}^{\circ}{\rm C}$  where it is maintained for from 1 to 12 minutes before reducing the pressure in the vessel. In particularly preferred embodiments the moisture content is below 15% the temperature range is from  $190 {\hat {\rm A}}^{\circ}{\rm C}$  to  $215 {\hat {\rm A}}^{\circ}{\rm C}$  and the residence time is from 2 to 8 minutes.

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF SYNTHESIS

(51) International classification	:C07C41/46,C07C43/162,C07C45/86	1)BCS BUSINESS CONSULTING SERVICES PTE LTD.
(31) Priority Document No	:NA	Address of Applicant :230 Orchard Rd. #10 230 Faber Hse
(32) Priority Date	:NA	238854 Singapore
(33) Name of priority country	:NA	(72)Name of Inventor : 1)VAN WITENBURG Jimmy
(86) International Application No Filing Date	:PCT/IB2013/000360 :11/03/2013	2)LA CROIS Rene
(87) International Publication No	:WO 2014/140655	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Described is a method of synthesizing6-(5-ethoxyhept-l-yl)bicyclo[3.3.0] octan-3-one by reacting 3-(5-ethoxyhept-l-yl) cyclopentene with dichloroketene. The resulting reaction products are reacted with acetic acid and zinc to produce 4-(5-ethoxyhept-l-yl)bicyclo[3.2.0]heptan-7-one, which are reacted with trimethylsulfonium iodide to produce 2-(5-ethoxyheptlyl) spiro[bicyclo[3.2.0]heptane-6,2"-oxirane] and 4-(5-ethoxyhept-l-yl)spiro-[bicyclo-[3.2.0]heptane-6,2"-oxirane]. Lithium iodide is reacted with 2-(5-ethoxyheptlyl) spiro[bicyclo[3.2.0]heptane-6,2"-oxirane] and 4- (5-ethoxyhept-l-yl)spiro-[bicyclo-[3.2.0]heptane-6,2"-oxirane] to produce 6-(5-ethoxyhept-l-yl)bicyclo[3.3.0]octan-3-one. A method of synthesizing 6-(5-methoxyhept l-yl)bicyclo [3.3.0]octan-3-one is also described.

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHODS FOR PROVING MEDICAL CARE ALGORITHMS TO A USER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11/03/2014 :WO 2014/164660 :NA :NA :NA	(71)Name of Applicant: 1)TAHOE INSTITUTE FOR RURAL HEALTH RESEARCH LLC Address of Applicant:10121 Pine Avenue P.O. Box 759 Truckee CA 96160 U.S.A. (72)Name of Inventor: 1)SILVER Larry 2)MATOUSIAN Artin
Filing Date	:NA	

#### (57) Abstract:

The use of a medical care algorithm in clinical care reduces the number of mistakes made in treating a patient. The use of a medical care algorithm in clinical care also increases the confidence of a health care provider in providing care for a patient. The invention provides a system and a method for effectively, thoroughly, and easily granting a health care provider with real-time access to critical, and non-critical medical care algorithms. The invention also provides a system and a method for a health care provider to consult proactive guidelines commonly used in health care. The invention also allows the health care provider a method to utilize the algorithms as a refresher tool for review and continuing education. Furthermore, the invention provides a method for the documentation of algorithm based treatments as an electronic medical record.

No. of Pages: 58 No. of Claims: 52

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPLICATION MARKETPLACE FOR VIRTUAL DESKTOPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:04/03/2014 :WO 2014/164075 :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC. Address of Applicant: P. O. Box 8102, Reno, NV 89507 U.S.A. (72)Name of Inventor: 1)SURYANARAYANAN Deepak 2)FARRELL Eugene Michael 3)BROWN David Everard 4)LUSZCZ Stephen William 5)PADUKONE Ajit Nagendra
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Systems and methods are presented for accessing an application available from a data center of a program execution service. The metadata associated with a user computing device may be used to determine whether the user computing device is authorized to access the application through a virtual desktop instance. At least a portion of the application may be executed by the virtual desktop instance and provided to the user. Applications may be purchased, licensed, or rented by a user.

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

(21) Application No.9101/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: OCULAR FORMULATIONS FOR DRUG- DELIVERY TO THE POSTERIOR SEGMENT OF THE EYE

(51) International :A61L15/42,A61L15/56,A61K9/00 classification

:WO 2014/152661

(31) Priority Document No :61/784681 (32) Priority Date :14/03/2013

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

(86) International Application :PCT/US2014/027589

No

:14/03/2014 Filing Date

(87) International Publication

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

Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

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

Address of Applicant :150 Morristown Road Suite 205

Bernardsville NJ 07924 2626 U.S.A.

(72) Name of Inventor: 1)BINGAMAN David P.

2) CHANEY Paul G. 3)WAX Martin B.

## (57) Abstract:

The present invention relates to topical formulations comprising a compound of the following formula: for treating ocular neovascularization. The Compound-I is present in a solution or a suspension in about 0.005% to about 5.0% w/v, such that the solution or suspension delivers the compound at the posterior segment of the eye for inhibiting VEGF in the retina and/or the choroid.

No. of Pages: 92 No. of Claims: 27

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ADJUSTMENT DEVICE, METHOD OF ADJUSTMENT, MOTOR VEHICLE

(31) Priority Document No :20 (32) Priority Date :11/ (33) Name of priority country :Ne (86) International Application No :PC Filing Date :11/	010428 /03/2013 etherlands CT/NL2014/050145 V/03/2014 CO 2014/163488 A A	(71)Name of Applicant:  1)MCI (MIRROR CONTROLS INTERNATIONAL) NETHERLANDS B.V. Address of Applicant: Pompmolenlaan 29 NL 3447 GK Woerden Netherlands (72)Name of Inventor: 1)DE VRIES Erik Alfred Simeon 2)BROUWER Stefan Frits 3)BOOM Stephen Alexander George Gustavo 4)HUIJZERS Bastiaan
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## (57) Abstract:

Adjustment device for adjusting shutoff elements of an air inlet of a motor vehicle, wherein the shutoff elements are adjustable between an open position in which the air inlet is substantially open and a closed position in which the air inlet is substantially closed, comprising a drive unit for adjusting the shutoff elements between at least the open position and the closed position, furthermore comprising a fail-safe mechanism which is arranged for adjusting the air inlet to a predefined position in case of a calamity situation, wherein the adjustment device fur thermore comprises a blocking mechanism for blocking the operation of the fail-safe mechanism in predetermined situations, wherein in such predetermined situations the shutoff elements are adjustable to a pre defined position without activation of the fail-safe mechanism.

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

(21) Application No.9103/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BATTERY COMPRISING A PLURALITY OF INDEPENDENT BATTERY CELL LINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :10 2010 027 851.3 :16/04/2010 :Germany :PCT/EP2011/052255 :16/02/2011 :WO 2011/128132 :NA :NA :NA	(71)Name of Applicant:  1)SB LIMOTIVE COMPANY LTD.  Address of Applicant: 428-5 Gongse-dong Giheung-gu Yongin-si Gyeonggi-do 446-577 Republic of Korea  2)SB LIMOTIVE GERMANY GMBH (72)Name of Inventor:  1)BUTZMANNÂ Stefan  2)FINK Holger
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## (57) Abstract:

The invention relates to a battery ( $20\hat{A}$  30) comprising a plurality of battery cell lines ( $21\hat{A}$  31) $\hat{A}$  each battery cell line ( $21\hat{A}$  31) containing a plurality of battery cells mounted in series between a respective first pole and a respective second pole. The invention also relates to a motor vehicle comprising an electric drive motor (13) for driving the motor vehicle and said battery ( $20\hat{A}$  30) connected to the electric drive motor (13).

No. of Pages: 11 No. of Claims: 10

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TOLL PAYMENT COLLECTION WITH COMMUNICATION DEVICE

(51) International classification	:G07B15/00,G07B15/02	(71)Name of Applicant :
(31) Priority Document No	:61/776324	1)FUSTES Manuel
(32) Priority Date	:11/03/2013	Address of Applicant :1011 W. Monroe St. Austin Texas
(33) Name of priority country	:U.S.A.	78704 U.S.A.
(86) International Application No	:PCT/US2014/017586	(72)Name of Inventor:
Filing Date	:21/02/2014	1)FUSTES Manuel
(87) International Publication No	:WO 2014/163830	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Implementations include actions of receiving an image of a vehicle using a toll road facility, processing the image to determine a vehicle identifier, and determining that the vehicle identifier is provided in a database, the database associating vehicle identifiers to re spective device identifiers, and in response: determining a device identifier associated with the vehicle identifier from the database, transmitting a first message to a device associated with the device identifier, the first message including a request for approval to collect a toll payment, and receiving a second message from the device, the second message indie ating approval of the toll payment, and in response: transmitting a payment request to a service provider, the service provider providing data transfer services for the device, and receiving the toll payment from the service provider.

No. of Pages: 30 No. of Claims: 18

(21) Application No.10358/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/11/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SURFACE REPAIR PATCH AND METHOD OF USING SAME

(51) International classification :B29C73/10,A47C31/00,A61G7/05

(31) Priority Document No :61/810085 (32) Priority Date :09/04/2013

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

(86) International Application :PCT/CA2014/050365

Filing Date :09/04/2014

(87) International Publication :WO 2014/165996

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)SURFACE MEDICAL INC.

Address of Applicant: Suite #470 1811 4th Street SW Calgary

Alberta T2S 1W2 Canada (72)Name of Inventor:

1)LAM Iwain 2)PIERSON Don

(57) Abstract:

The present disclosure provides for a repair device useful in the repair of surfaces particularly in a healthcare environment. An exemplary form of the present comprises a repair patch a pre mask and release liner; the repair patch interposed between the pre mask and release liner; the removable adhesive interposed between the pre mask and repair patch; and the permanent adhesive interposed between the repair patch and the release liner; wherein the adhesion value of the removable adhesive is lower than that of the permanent adhesive.

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

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MICROLENSES FOR MULTIBEAM ARRAYS OF OPTOELECTRONIC DEVICES FOR HIGH FREQUENCY OPERATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H01S3/101 :13/868034 :22/04/2013 :U.S.A. :PCT/US2013/042767 :24/05/2013 :WO 2014/175901 :NA :NA :NA	(71)Name of Applicant:  1)TRILUMINA CORPORATION Address of Applicant:800 Bradbury Drive Suite 116 Albuquerque NM 87106 U.S.A. (72)Name of Inventor: 1)JOSEPH John R. 2)CARSON Richard F. 3)WARREN Mial E. 4)LEAR Kevin L.
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#### (57) Abstract:

A VCSEL array device formed of a monolithic array of raised VCSELs on an electrical contact and raised inactive regions connected to the electrical contact. The VCSELs can be spaced symmetrically or asymmetrically in a manner to improve power or speed or in phase and in parallel. The raised VCSELs and raised inactive regions are positioned between the electrical contact and an electrical waveguide. The VCSELs may be separated into subarrays and each VCSEL may be covered with an integrated or bonded microlens for directing light without external lenses. The microlenses may be offset to collect or collimate light and may be shaped to form various lens profiles.

No. of Pages: 66 No. of Claims: 67

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR USER INTERACTION WITH WEB IN 3D SPACE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	19/00 :NA :NA	(71)Name of Applicant:  1)Samsung Electronics Co., Ltd. Address of Applicant:416 Maetan-Dong, Yeongtong-GU, Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	Korea (72)Name of Inventor :
Filing Date (87) International Publication No	:NA : NA	1)CHHABRA, Manish 2)PARMAR, Monil
(61) Patent of Addition to Application Number	:NA	2)1 ARIVAR, MOIII
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides a method of interaction with consumer products, like digital television (DTV), mobiles, etc. and other devices where three dimensional display is possible. Particularly, the invention relates to system and method for user interaction with Web in 3D Space via the aforesaid consumer products. Additionally, the invention provides for multi-user interaction scenario where different users are browsing through different content on a single device simultaneously without any substantial interference and optionally, allow for interaction between viewing panes of such multiple users.

No. of Pages: 59 No. of Claims: 56

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HAND WEARABLE HAPTIC FEEDBACK BASED NAVIGATION DEVICE

(51) International classification	:G01C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VERMA ABHINAV S.
(32) Priority Date	:NA	Address of Applicant :B.TECH ( 2 nd Year) Chitkara
(33) Name of priority country	:NA	University Punjab campus Chandigarh Patiala National Highway
(86) International Application No	:NA	Village Jansla, Tehsil Rajpura, Distt. Patiala Punjab India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VERMA ABHINAV S.
(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 a hand wearable haptic feedback based navigation device for distance sensing which has the flexibility of attachment and detachment of the navigation sensors and has the flexibility of sensing the distance of the obstacle in multiple directions covering maximum 180 degrees in the direction of pointing of the hand. The device measures the distance of obstacle using sensors at the tip of a finger. The measurement is broken down into categories on the basis of distance. This category is eventually informed to the user via haptic feedback actuators strategically located on the specific finger. The feedback is taken to three dimensions by mapping the hand's spacial orientations using Inertial measurement units.

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

(21) Application No.9117/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : FERMENTED NUTRITION WITH NON -DIGESTIBLE OLIGOSACCHARIDES WITH INCREASED IRON BIOAVAILABILITY

(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	:A23L1/30,A23L1/304,A23C9/12 :PCT/NL2013/050212 :22/03/2013 :Netherlands :PCT/NL2014/050182 :24/03/2014 :WO 2014/148911 :NA :NA	(71)Name of Applicant: 1)N.V. NUTRICIA Address of Applicant: Eerste Stationsstraat 186 NL 2712 HM Zoetermeer Netherlands (72)Name of Inventor: 1)VAN DEN BRAAK Claudia Catharina Maria 2)LUDWIG Thomas 3)BOURITIUS Houkje
Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to fermented nutritional compositions comprising non-digestible oligosaccharides for improving the bioavailability of iron and preventing or treating of iron deficiency, in particular for infants and young children or pregnant women.

No. of Pages: 35 No. of Claims: 20

(22) Date of filing of Application: 10/01/2013 (43) Publication Date: 05/02/2016

# (54) Title of the invention: DEVICE FOR MEASURING THE DEGREE OF BENDING OF AN INTRAMEDULLARY NAIL

(51) International :A61B17/17,A61B17/72,A61B17/00 classification

(31) Priority Document No :61/386255 (32) Priority Date :24/09/2010 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/052137

Application No :19/09/2011

Filing Date

(87) International Publication :WO 2012/040100

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

Filing Date (62) Divisional to :NA Application Number

Filing Date

:NA

(71) Name of Applicant: 1)SYNTHES GMBH

Address of Applicant : Eimattstrasse 3 CH 4436 Oberdorf

U.S.A.

(72) Name of Inventor:

1)NARDINI Reto

2)BAUMGARTNER Adrian

3)HULLIGER Urs

## (57) Abstract:

A device for measuring a degree of bending of an intramedullary nail comprises a probe sized and shaped for insertion into a cannulation of an intramedullary nail. The probe including a first longitudinal element extending along a longitudinal axis from a distal end to a proximal end and a second longitudinal element extending along a longitudinal axis from a distal end to a proximal end the distal ends of the first and second longitudinal elements attached to one another so that the longitudinal axes of the first and second longitudinal elements extend substantially parallel to each other and define a middle plane. A measuring element measures relative axial displacement of the proximal ends of the first and second longitudinal elements in the middle plane upon bending of the first and second longitudinal elements as the probe is inserted into a cannulation of the intramedullary nail.

No. of Pages: 31 No. of Claims: 19

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PAPER AND NONWOVEN ARTICLES COMPRISING SYNTHETIC MICROFIBER BINDERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:D21F11/00 :61/813774 :19/04/2013 :U.S.A. :PCT/US2014/033771 :11/04/2014 :WO 2014/172192 :NA :NA	(71)Name of Applicant:  1)EASTMAN CHEMICAL COMPANY Address of Applicant: 200 South Wilcox Drive Kingsport TN 37660 U.S.A. (72)Name of Inventor: 1)CLARK Mark Dwight 2)DEMA Keh 3)SOHN Sungkyun 4)SMITH Ernest Phillip 5)ANDERSON Chris Delbert
1 (01110 01		<u> </u>
Filing Date	:NA	UJEVERETT CHARICS STUAIT

#### (57) Abstract:

A paper or nonwoven article is provided comprising a nonwoven web layer, wherein the nonwoven web layer comprises a plurality of fibers and a plurality of binder microfibers, wherein the binder microfibers comprise a water non-dispersible, synthetic polymer; wherein the binder microfibers have a length of less than 25 millimeters and a fineness of less than 0.5 d/f; and wherein the binder microfibers have a melting temperature that is less than the melting temperature of the fibers.

No. of Pages: 66 No. of Claims: 18

(21) Application No.9111/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

:61/814748

:22/04/2013

:22/04/2014

:U.S.A.

:NA

:NA

:NA

:NA

(86) International Application No:PCT/US2014/035044

(87) International Publication No: WO 2014/176285

(54) Title of the invention: PIZZA OVEN

(31) Priority Document No

(33) Name of priority country

(32) Priority Date

Filing Date

**Application Number** 

Filing Date

Filing Date

(61) Patent of Addition to

(62) Divisional to Application

(71)Name of Applicant:

## 1)WOOD STONE CORPORATION

Address of Applicant: 1801 West Bakerview Road Bellingham

(51) International classification :F24C3/02,F24C3/12,F24C15/16 WA 98226 9105 U.S.A.

2)HEGARTY Harry

3) JOHNSON Lawrence Byron

4)EICKMEYER Kurt

5)MARTENS Bryan

6)BIRD Greg

7)STEPHENSON Mark 8)VANLEEUWEN Brett (72)Name of Inventor:

1)HEGARTY Harry

2)JOHNSON Lawrence Byron

3)EICKMEYER Kurt 4)MARTENS Bryan

5)BIRD Greg

6)STEPHENSON Mark 7)VANLEEUWEN Brett

# (57) Abstract:

Number

This disclosure relates to the field of cooking ovens for the preparation of foodstuffs in an enclosed environment including a visual flame along with a rotating cooking plate upon which foodstuffs are placed and are transported through various cooking regions before being removed from the cooking oven for consumption.

No. of Pages: 32 No. of Claims: 19

(22) Date of filing of Application :03/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR EXCHANGING IP PACKETS AMONG NETWORK LAYER 2 PEERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:H04L29/12 :13/856971 :04/04/2013 :U.S.A. :PCT/IB2014/060410 :03/04/2014 :WO 2014/162291 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden 2)KRISHNAN, Suresh 3)LEFEBVRE, Geoffrey (72)Name of Inventor: 1)KRISHNAN Suresh 2)LEFEBVRE Geoffrey
Number Filing Date		·
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one aspect, the teachings herein provide point-to-point communication between all the virtual machines (VMs) be longing to the same tenant in a cloud-based virtual network environment without using any intermediate routing functions, and while providing full virtualization at the L2 and L3 levels. That is, the approach preserves completely isolated address spaces for each tenant at both L2 and L3 levels and supports multiple subnets for each tenant, and thereby allows tenants to define their own virtual networks without requiring the addition of expensive centralized routing and without requiring inter-subnet communications for the same tenant to traverse sub-optimal paths, as happens with software- based routers implemented in one of the VMs belonging to the tenant. Moreover, the methods and apparatuses taught herein provide a distributed solution for communicating between subnets be longing to the same virtual or logical network, thereby avoiding single-point-of- failure issues and offering improved scalability.

No. of Pages: 38 No. of Claims: 14

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLID PHASE PEPTIDE SYNTHESIS PROCESSES AND ASSOCIATED 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:24/02/2014 :WO 2014/149387 :NA :NA	(71)Name of Applicant:  1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY Address of Applicant: 77 Massachusetts Avenue Cambridge MA 02139 U.S.A. (72)Name of Inventor: 1)SIMON Mark David 2)PENTELUTE Bradley L. 3)ADAMO Andrea 4)HEIDER Patrick Louis 5)JENSEN Klavs F.
Filing Date	:NA :NA	

#### (57) Abstract:

Systems and processes for performing solid phase peptide synthesis are generally described. Solid phase peptide synthesis is a known process in which amino acid residues are added to peptides that have been immobilized on a solid support. In certain embodiments, the inventive systems and methods can be used to perform solid phase peptide synthesis quickly while maintaining high yields. Certain embodiments relate to processes and systems that may be used to heat, transport, and/or mix reagents in ways that reduce the amount of time required to perform solid phase peptide synthesis.

No. of Pages: 121 No. of Claims: 77

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A DEVICE FOR DETERMINING SUCROSE CONCENTRATION IN A SOLUTION AND A METHOD THEREOF

		(71)Name of Applicant :
(51) International classification	:A61B5/00	1)SECRETARY, DEPARTMENT OF ELECTRONICS
(31) Priority Document No	:NA	AND INFORMATION TECHNOLOGY (DeitY)
(32) Priority Date	:NA	Address of Applicant :Ministry of Communications &
(33) Name of priority country	:NA	Information Technology, 6, CGO Complex, New Delhi, India.
(86) International Application No	:NA	Delhi India
Filing Date	:NA	2)CENTRE FOR DEVELOPMENT OF ADVANCED
(87) International Publication No	: NA	COMPUTING (CDAC)
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Rominus Valsalam Samuel
(62) Divisional to Application Number	:NA	2)Sindhu Rajan
Filing Date	:NA	3)Lajitha Chandrasekharan Nair Suseela
		4)Arun Krishnan Kossappally

## (57) Abstract:

The present subject matter relates to method and device for determining sucrose concentration in the solution. The device comprises a data acquisition unit and a control unit. The data acquisition unit is configured to receive one or more signals from plurality of sensors. The plurality of sensors is placed on a vacuum pan containing the solution. When the solution is heated, the plurality of sensors measures the temperature and pressure of the vacuum pan and transmits the one or more signals associated with the measured temperature and pressure to the data acquisition unit. The data acquisition unit processes the one or more signals and converts the one or more signals into digital information. The control unit receives the digital information and computes boiling point elevation of the solution. Thereafter, the control unit determines sucrose concentration based on the computed boiling point elevation. Fig.1

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

(21) Application No.9120/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: CELLULOSE PARTICULATE MATERIAL

:C08H8/00,C08J3/12,C08L1/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :1304939.0

(32) Priority Date :18/03/2013 (33) Name of priority country :U.K.

(86) International Application No :PCT/GB2014/050859 Filing Date

:18/03/2014 (87) International Publication No :WO 2014/147393

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

1)CELLUCOMP LIMITED

Address of Applicant: Unit 3 West Dock Harbour Place

Burntisland Fife KY3 9DW U.K.

(72)Name of Inventor: 1)HEPWORTH David

2)WHALE Eric

### (57) Abstract:

Filing Date

The invention relates to plant-derived cellulose-containing particles useful as strengthening agents in water based systems and to a process for preparing cellulose-containing particles from plant material, which process involves treating said plant material with a peroxide reagent. The process can be controlled to produce cellulose-containing particle having a viscosity up to about 2500cps

No. of Pages: 47 No. of Claims: 43

(21) Application No.9121/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: DEVICE FOR SEPARATING A TUBULAR WEB

(51) International :B65H35/02,B26D1/02,B65B61/06

:Germany

classification

(31) Priority Document No :10 2013 102 414.9 (32) Priority Date :11/03/2013 (33) Name of priority country

(86) International Application :PCT/EP2014/051735

:29/01/2014

Filing Date

(87) International Publication :WO 2014/139722

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

(71)Name of Applicant:

1)WINDMÃ-LLER & HÃ-LSCHER KG

Address of Applicant :Münsterstr. 50 Lengerich 49525

Germany

(72)Name of Inventor:

1)BECKONERT Werner

## (57) Abstract:

The invention relates to a device (10) for separating a tubulär web (11) into two flat webs (12, 13), having an adjustable blade (20) for cutting the tubul A\(\text{\text{z}}\)r web (11), and having a pulling device (30), which acts on the blade (20) applying a tensile force (K) on a folding edge (14) of the tubulär web (11). The pulling device (30) is configured such that subject to the tube properties of the tubul $\tilde{A}^{\mu}$ r web (11), the tensile force (K) can be adjusted, and that while the tube properties are constant, the tensile force (K) can essentially be held constant regardless of the tube width of the tubulär web (11).

No. of Pages: 24 No. of Claims: 15

(21) Application No.9122/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CONFIGURATION AND VERIFICATION BY TRUSTED PROVIDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:03/03/2014 :WO 2014/137939 :NA :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC. Address of Applicant: P.O. Box 8102, Reno, NV 89507 U.S.A. (72)Name of Inventor: 1)BOWEN Peter Zachary
Filing Date	:NA :NA	

#### (57) Abstract:

A computing resource is loaded with the code or data, and an audited record of the loaded code or data is generated. Furthermore, a configuration Integrity is generated based on the record of the loaded code or data. The configuration integrity verifier is sent to a requestor for verification of the code or data, the configuration integrity verifier being usable as a trusted verification of the loaded code or data.

No. of Pages: 33 No. of Claims: 15

(21) Application No.9123/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: NOVEL 1, 2, 4-OXADIAZOL COMPOUNDS ACTIVE AGAINST GRAM-POSITIVE PATHOGENS

(51) International :C07D413/14,C07D413/10,A61K31/422 classification

:PCT/IB2014/059896

:17/03/2014

(31) Priority Document

:13/839485

(32) Priority Date :15/03/2013 (33) Name of priority :U.S.A.

country

(86) International Application No

Filing Date (87) International

Publication No

(61) Patent of Addition to :NA

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

**Application Number** Filing Date

:WO 2014/141218

:NA

:NA :NA (71)Name of Applicant:

1)UNIVERSITÀ DEGLI STUDI DI MILANO BICOCCA Address of Applicant: Piazza dell'Ateneo Nuovo 1 I 20126

Milano MI Italy

2)I.E.ME.ST ISTITUTO EURO MEDITERRANEO DI

SCIENZA E TECNOLOGIA

(72) Name of Inventor:

1)MUSUMECI Rosario

2)COCUZZA Clementina Elvezia Anna

3)FORTUNA Cosimo Gianluca

4)PACE Andrea

5)PALUMBO PICCIONELLO Antonio

#### (57) Abstract:

The present invention relates to new oxazolidinone compounds of general formula (I) having antibiotic activity even against multiresistant bacterial strains (I).

No. of Pages: 48 No. of Claims: 23

(22) Date of filing of Application :05/10/2015 (43)

(43) Publication Date: 05/02/2016

# (54) Title of the invention: SAFENED HERBICIDAL COMPOSITIONS INCLUDING PYRIDINE -2- CARBOXYLIC ACID DERIVATIVES FOR USE IN CORN (MAIZE)

(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) Potent of Addition to Application
(87) International Publication No

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

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

:A01N25/32,A01N43/40 (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)SATCHIVI Norbert M. 2)EELEN Hilde J.A. 3)WEIMER Monte R.

4)SCHMITZER Paul R.

#### (57) Abstract:

A safened herbicidal composition for use in corn (maize) including a herbicidally effective amount of (a) a compound of formula (I): [FORMULA SHOULD BE INSERTED HERE] or an agriculturally acceptable salt or ester thereof and (b) a safener or a compatible herbicide capable of safening such as AD67, benzenesulfonamide, benoxacor, N- (aminocarbonyl)-2- chloroben - zenesulfonamide (2-CBSU), daimuron, dichlormid, dichloroacetamide, dicyclonon, fenchlorazole-ethyl, fenclorim, fluxofenim, furilazole, isoxadifen-ethyl, mefenpyr-diethyl, naphthopyranone, naphthalic anhydride (NA), oxabetrinil, oxime, phenylpyrimidine, phenylurea, a chemical from the quinolinyloxya-cetate family of chemicals, or agriculturally acceptable salts, esters, or mixtures thereof. Methods for using the safened herbicidal composition for controlling undesirable vegetation in corn (maize) also are described.

No. of Pages: 54 No. of Claims: 32

(22) Date of filing of Application :26/11/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SMART PHONE BASED ULTRASOUND 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>(26) International Application No.</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)ACHARYYA MAUSUMI Address of Applicant:#1332, First Floor, Sector - 6, KARNAL, Haryana. INDIA M: 8607026111 Haryana India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ACHARYYA MAUSUMI
(87) International Publication No	: NA	1)ACHARI IA MAUSUMI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a Smart Phone Based Ultrasound Machine comprising of Smart phone compatible ultrasound probe, a graphical user interface, software for ensuring compatibility of ultrasound probe with a smart phone and an intelligent software for processing of digital ultrasound images and giving output. This unique ultrasoundprobe is compatible and can run in android and iOS environment. A cloth mask consisting of electronic circuit with embedded software is used for localizing the area for data acquisition. Intelligent diagnostic software based on image processing and machine learning techniques interprets the images acquired by the ultrasound probe with the help of cloth mask.

No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :09/03/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention : DIAGNOSTIC KIT FOR IN VITRO DIAGNOSIS OF RHEUMATOID ARTHRITIS (RA) AND METHOD OF USE THEREOF

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Bhatnagar Archana
(32) Priority Date	:NA	Address of Applicant :Department of Biochemistry, Basic
(33) Name of priority country	:NA	Medical Sciences Block Panjab University, Chandigarh
(86) International Application No	:NA	Chandigarh India
Filing Date	:NA	2)Aggarwal Ashish
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Dr. Bhatnagar Archana
Filing Date	:NA	2)Aggarwal Ashish
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention discloses an in vitro diagnostic kit for RA diagnosis. The kit is based on in vitro measurement of a specific physiological agent  $\hat{a}\in \hat{a}\in \hat{a}$  in blood plasma of patients. to predict severity of RA. The kit comprises reagents (to analyse and quantitate plasma catalase enzyme); instruction booklet (to disclose the manner of use of the kit and method of performance of the test) and a categorization scale (to enable prediction of RA severity based on the in vitro plasma levels of catalase enzyme as measured by the kit).

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LONGITUDINAL ADJUSTER FOR A VEHICLE SEAT AND VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:10 2013 206 251.6 :09/04/2013 :Germany :PCT/EP2014/056812 :04/04/2014 :WO 2014/166833 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS COMPONENTS GMBH & CO. KG Address of Applicant: Hertelsbrunnenring 2 67657 Kaiserslautern Germany (72)Name of Inventor: 1)SCHUMANN Kai 2)REIMER Peter 3)TEUFEL Ingo
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

The invention relates to a longitudinal adjuster for a vehicle seat (1), comprising a lower rail (5) and an upper rail (3) which is guided therein such that it can be displaced in the longitudinal direction, and at least one bearing element (30) which is arranged between the upper rail (3) and the lower rail (5) and is in contact with the upper rail (3) and the lower rail (5), wherein at least one additional supporting element (20) is provided which is in contact with the upper rail (3) and the lower rail (5) and has a rotatable supporting roller (22). Here, the supporting roller (22) can be rotated about a rotational axis (A) which runs in the vertical direction, and the at least one supporting element (20)comprises a supporting spring (26) which loads the supporting roller (22) in the vertical direction. The invention also relates to a vehicle seat (1) which comprises at least one longitudinal adjuster according to the invention.

No. of Pages: 27 No. of Claims: 15

(21) Application No.9135/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

## (54) Title of the invention: COMPOUNDS USEFUL IN THE TREATMENT AND/OR CARE OF THE SKIN AND THEIR COSMETIC OR PHARMACEUTICAL COMPOSITIONS

(51) International :C07K5/113,C07K5/02,A61K38/07 classification

:NA

(31) Priority Document No :13382138.9 (32) Priority Date :15/04/2013

(33) Name of priority country: EPO

(86) International Application :PCT/EP2014/057672

No

:15/04/2014 Filing Date

(87) International Publication

:WO 2014/170347

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

Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant:

1)LIPOTEC, SA

Address of Applicant :Poligono Industrial Cami Ral, Isaac

Peral, 17, E-08850 Gava Spain

(72) Name of Inventor:

1)FERRER MONTIEL Antonio Vicente 2)ALMIÃ'ANA DOMÃ%NECH Nðria

3)CEBRIÃ • N PUCHE Juan

4)VAN DEN NEST Wim

5)CARREÃ'O SERRAÃ • MA Cristina 6)DELGADO GONZÃ • LEZ Raquel

### (57) Abstract:

Compounds of general formula (I): their stereoisomers, mixtures thereof and/or their cosmetically or pharmaceutically acceptable salts, cosmetic and/or pharmaceutical compositions which contain them and their use in medicine, and in the treatment and/or care of the skin, particularly in the aging and photoaging of the skin, and more particularly for the treatment and/or prevention of wrinkles and/or stretch marks.

No. of Pages: 84 No. of Claims: 15

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INK FOUNTAIN APPARATUS FOR FLEXOGRAPHIC PRINTING 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> </ul>	:12/03/2014 :WO 2014/159780 :NA :NA	(71)Name of Applicant:  1)PROBITY ENGINEERING LLC Address of Applicant: 12708 60th Ave. Milaca MN 56353 U.S.A. (72)Name of Inventor: 1)WESTBY Ronald K.
1 (01110 01	:NA :NA	
Filing Date	:NA :NA	

#### (57) Abstract:

An ink fountain apparatus, method of method of adjusting printing characteristics in flexographic printing and a printing press system are disclosed. The apparatus may include a side plate, a roller disposed adjacent a first end of the plate, a back plate disposed adjacent a second opposing end of the side plate and a throttle disposed between the roller and the back plate. The throttle is mounted to the side plate and includes a back surface facing towards the back plate and a front surface facing towards the roller. The front surface includes a curved portion forming a tapering gap between the roller and the front surface of the throttle. A position controller is coupled to the throttle to selectively move the curved portion to wards and away from the roller to adjust the volume of ink being transferred to the outer surface of the roller.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: POLYMER COMPOSITIONS AND NONWOVEN COMPOSITIONS PREPARED THEREFROM

(51) International :C08L23/14,B32B5/02,D04H1/4291

classification

(31) Priority Document No :61/831033 (32) Priority Date :04/06/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/036335

:01/05/2014 Filing Date

(87) International Publication :WO 2014/197141

(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)EXXONMOBIL CHEMICAL PATENTS INC.

Address of Applicant :5200 Bayway Drive Baytown TX

77520 2101 U.S.A. (72) Name of Inventor: 1)MITCHELL Cynthia A.

2) RICHESON Galen C.

3)DHARMARAJAN Narayanaswami Raja

#### (57) Abstract:

Described herein are propylene-based polymer compositions that comprise a reactor blend of a first polymer component and a second polymer component. The first polymer component has an ethylene content of from greater than 12 to less than 19wt% ethylene, and the second polymer component has an ethylene content of from greater than 4 to less than 10 wt% ethylene. Preferably, the ethylene content of the first and second polymer components satisfy the formula: 1.7143Ri + 29.771 < R2 <- 1.9167Ri + 37.25. The propylenebased polymer compositions are particularly useful for forming meltspun nonwoven compositions that exhibit a desirable balance of retractive force and permanent set.

No. of Pages: 62 No. of Claims: 20

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : NEMATICIDAL N -(PHENYLCYCLOALKYL)CARBOXAMIDES AND N - (PHENYLCYCLOALKYL)THIOCARBOXAMIDES

(71)Name of Applicant: 1)BAYER CROPSCIENCE AKTIENGESELLSCHAFT Address of Applicant : Alfred Nobel Str. 50 40789 Monheim am Rhein Germany (72) Name of Inventor: (51) International :A01N43/10,A01N43/18,A01N43/32 1)DECOR Anne classification (31) Priority Document No :13165996.3 2)GREUL JĶrg (32) Priority Date :30/04/2013 3)HEILMANN Eike Kevin (33) Name of priority 4)SCHWARZ Hans Georg :EPO country 5) GESING Ernst Rudolf (86) International 6)FRACKENPOHL Jens :PCT/EP2014/058539 Application No 7) ELBE Hans Ludwig :28/04/2014 Filing Date 8)WIESE Welf Burkhard (87) International 9)PORTZ Daniela :WO 2014/177487 Publication No 10)ILG Kerstin (61) Patent of Addition to 11)MALSAM Olga :NA **Application Number** 12)LÃ-SEL Peter :NA Filing Date 13)LÜMMEN Peter (62) Divisional to 14)GÃ-RGENS Ulrich :NA **Application Number** 15)COQUERON Pierre Yves :NA Filing Date 16)MARTELLETTI Arianna 17) DESBORDES Philippe 18) GARY Stephanie 19) CHRISTIAN Isabelle 20)WELZ Claudia

### (57) Abstract:

The present invention relates to the use of N-(Phenylcycloalkyl)carboxamides and N-(Phenylc ycloalkyl) thiocarboxamides for the control of nematodes in agriculture and as anthelmintic agents against endoparasites in animals and humans, compositions containing such compounds and methods for the control of nematodes and helminths and furthermore to novel N- (Phenylcyc - loalkyl)carboxamides and N-(Phenylcycloalkyl) thiocarboxamides, processes and intermediate compounds for their preparation, their use as nematicides, compositions containing such compounds and methods for the control of nematodes.

No. of Pages: 269 No. of Claims: 9

(21) Application No.9130/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : STRAW FOR PRESERVING A PREDEFINED DOSE OF A LIQUID SUBSTANCE IN PARTICULAR PURE OR DILUTED ANIMAL SEMEN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:03/04/2014 :WO 2014/167215 :NA :NA	(71)Name of Applicant:  1)IMV TECHNOLOGIES  Address of Applicant: ZI n° 1 Est F 61300 Saint Ouen Sur Iton France (72)Name of Inventor:  1)SCHMITT Eric 2)GORGES Jean Charles
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The straw comprises a tube (11) and a cap (12) perm $\tilde{A}$ ©able to gases and liquid-tight, said cap (12) being arranged in the tube (11) in the vicinity of one end. The cap (12) comprises a magnetic component configured such that a magnet (21), placed flush with the tube (11) at a right angle to the cap (12), and then moved on a horizontal surface (20), is then followed by the straw (10).

No. of Pages: 11 No. of Claims: 10

(21) Application No.9131/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CARDIAC ABLATION CATHETERS AND METHODS OF USE THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61B18/14,A61M29/02,A61B17/94 :61/809646	(71)Name of Applicant:  1)SHIFAMED HOLDINGS, LLC  Address of Applicant: 745A Camden Avenue Campbell CA
(32) Priority Date	:08/04/2013	95008 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor: 1)SALAHIEH Amr
(86) International Application No Filing Date	:PCT/US2014/033393 :08/04/2014	2)LEPAK Jonah 3)LEUNG Emma 4)BRANDT Brian D.
(87) International Publication No	:WO 2014/168987	5)CLAUDE John P. 6)ARGENTO Claudio
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)SUMANAWEERA Thilaka 8)WEST Zak
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Cardiac ablation catheters and methods of use. hi some embodiments the catheter includes at least one camera inside an expandable membrane for visualizing an ablation procedure.

No. of Pages: 64 No. of Claims: 34

(21) Application No.9132/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: STERILIZATION REACTOR AND METHOD

:A61L2/04,A23L3/01,A23L3/16 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/800100 (32) Priority Date :13/03/2013

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

(86) International Application No: PCT/US2014/025637

Filing Date :13/03/2014 (87) International Publication No: WO 2014/160020

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

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

1)MILLISECOND TECHNOLOGIES CORP.

Address of Applicant :555 Fifth Avenue 14th Floor New York

NY 10017 U.S.A.

(72) Name of Inventor:

1)AROFIKIN Nikolay V.

#### (57) Abstract:

A method and device to treat liquid to reduce the amount of microorganisms in the liquid to a preselected level and/or to mitigate the growth of microorganisms are disclosed. Utilizing the method or device, liquid product is sprayed into a cavity of a reactor using a nozzle that produces a flat spray to provide means for efficient heating and treatment of the liquid.

No. of Pages: 23 No. of Claims: 47

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: LONGITUDINALLY ADJUSTABLE VEHICLE SEAT

(51) International classification :B60N2/06,B60N2/07,B60N2/20 (71)Name of Applicant :

(31) Priority Document No :10 2013 207 945.1 (32) Priority Date :30/04/2013

(33) Name of priority country :Germany

(86) International Application No:PCT/EP2014/057198

Filing Date :09/04/2014 (87) International Publication No: WO 2014/177351

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JOHNSON CONTROLS COMPONENTS GMBH & CO.

KG

Address of Applicant: Hertelsbrunnenring 2 67657

Kaiserslautern Germany (72) Name of Inventor: 1)PLUTA Wolfgang 2)DILL Thomas 3)WOLF Christian

4) CHRISTOFFEL Thomas

#### (57) Abstract:

The invention relates to a longitudinally adjustable vehicle seat (1) comprising a lower rail (5) and an upper rail (3) that can be guided displaceably therein, in the longitudinal direction, within a comfort adjustment region, as well as an end stop (40,40b) that is mounted on said lower rail (5) and delimits said comfort adjustment region by interacting with a stop element (36)mounted on the upper rail (3). By shifting the stop element (36) away, the upper rail (3) can be displaced beyond the comfort adjustment region and into an easy entry region. The stop element (36) is part of a stop module (30) which can be pivoted about a pivot axis (S), said stop module (30) comprising a deflector element (34) and being designed such that, when the stop element (36) has not been shifted away, the deflector element (34) moves upwards in the vertical direction upon contact with a screw head (22) that is located in the cavity between the upper rail (3) and the lower rail (5), said stop element (36) form-fittingly engaging with the end stop (40, 40b) when said end stop (40, 40b) is reached.

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

(22) Date of filing of Application :25/12/2013 (43) Publication Date : 05/02/2016

## (54) Title of the invention: NUTRITIOUS SNACK FROM RICE INDUSTRY WASTE AND METHOD THEREOF

(51) Intermediated allowification	. 4.021	(71)Nama of Amiliana
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. TANUJA SRIVASTAVA
(32) Priority Date	:NA	Address of Applicant :Director Bhai Gurdas Institute of
(33) Name of priority country	:NA	Engineering & Technology Sangur, PUNJAB Punjab India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. TANUJA SRIVASTAVA
(87) International Publication No	: NA	2)Dr. SAXENA D.C
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a nutritious snack prepared from rice industry waste (de-oiled rice bran) and method thereof. The method comprises a novel, continuous extrusion process cooking which combines a number of unit operations viz. mixing, extruding, cooking, puffing, final shaping and drying in one energy efficient rapid continuous process, which results in a final edible product. The raw material mix comprises rice flour, de-oiled rice bran and corn flour in an optimal ratio of 72:18:10 respectively. The wetted mixture fed into the twin screw extruder for further processing under optimal conditions of temperature, rpm, feed rate and moisture content of the feed. The final product of the invention has the following characteristics viz. lateral expansion-168.28%; bulk density-0.27 gm/cm3; L-value-51.79; a-value - 2.79; b-value 11.44; water solubility index- 18.33; water absorption index 5.91gm/gm; hardness 26.49 N and overall acceptability 7.5 with desirability 89.5%.

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

(21) Application No.8981/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "METHOD FOR ELASTOMER FINISHING†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A47J :61/330,101 :30/04/2010 :U.S.A. :PCT/US2011/029611 :23/03/2011 :WO 2011/136884 :NA	(71)Name of Applicant:  1)EXXONMOBIL CHEMICAL PATENTS INC. Address of Applicant:5200 Bayway Drive Baytown TX 77520 U.S.A. (72)Name of Inventor: 1)YU FENG WANG 2)RICHARD C-M YEH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In the production of isobutylene-based elastomers the product obtained fkom the polymerization process is often in the form of a stream. Described herein are an apparatus and a process for removal of hydrocarbon liquids from the elastomer. The \* process comprises the steps of obtaining a stream comprising hydrocarbon liquids, either solvents or diluents, and an isobutylene- 0 based elastomer; passing the stream through a kneader to volatize the hydrocarbon liquids from the elastomer.

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

(21) Application No.8982/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: OPTICAL ELEMENT

:F21V5/00,F21S2/00,H01L33/48 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/418579 (32) Priority Date :01/12/2010

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

(86) International Application :PCT/JP2011/003608

No Filing Date :23/06/2011

(87) International Publication No: WO 2012/073398

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

(62) Divisional to Application :NA Number :NA

Filing Date

# 1)NALUX CO. LTD.

Address of Applicant: 3 4 29 Minami eguchi Higashi

yodogawa ku Osaka shi Osaka 5330003 Japan

(72) Name of Inventor: 1)IKEDA Katsumoto 2)SEKI Daisuke

## (57) Abstract:

Provided is an illumination device that uniformly illuminates a surface to be illuminated and that uses a flat light source in which the vertical and horizontal lengths are different. This illumination device comprises a planar light source and an optical element having an incident surface that receives the light from the planar light source and an emission surface. The shape of the surface of the planar light source is symmetrical in relation to an x axis and a y axis the x axis and the y axis being the two perpendicular axes and the center of the planar light source serves as the origin; the length of the direction of the x axis is shorter than the length of the direction of the y axis. The incident surface is formed as a cap shape that is symmetrical relative to an optical axis in a cross section that includes the optical axis with an intersection point with the optical axis serving as a vertex where the optical axis is an axis that is perpendicular to the surface of the planar light source and that passes through the origin; the incident surface satisfies an equation where a is the maximum x coordinate value and b is the maximum y coordinate value of the planar light source.

No. of Pages: 48 No. of Claims: 8

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ORIFICE DISC FOR REGULATING FLOW IN DAMPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:F16F9/34,B60G13/06 :61/822494 :13/05/2013	(71)Name of Applicant:  1)TENNECO AUTOMOTIVE OPERATING COMPANY INC.  Address of Applicant:500 North Field Drive Lake Forest Illinois 60045 U.S.A. (72)Name of Inventor:  1)LAWLER Tim 2)RUMMEL Chad 3)ROBBINS Elizabeth 4)KEIL Daniel T. 5)PAENHUYSEN Jeroen K. 6)MCGAHEY John 7)ZHANG Dajun
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#### (57) Abstract:

A shock absorber for a vehicle includes a pressure tube that defines a fluid chamber. A piston disposed within the fluid chamber divides the fluid chamber into an upper working chamber and a lower working chamber. The piston defines a compression passage and a rebound passage which extend through the piston between the upper working chamber and the lower working chamber. A valve disc assembly engages the piston and controls the flow of fluid between the upper working chamber and the lower working chamber. The valve disc assembly includes a bleed disc that defines an orifice with a substantially non-linear contour. The orifice extends to an outer diameter of the bleed disc, and forms a bleed channel between the upper working chamber and the lower working chamber.

No. of Pages: 33 No. of Claims: 22

(21) Application No.381/DELNP/2013 A

(19) INDIA

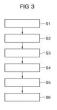
(22) Date of filing of Application: 12/01/2013 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD AND APPARATUS FOR AUTHENTICATING MULTICAST MESSAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:17/08/2011 :WO 2012/034807 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 MÃ <sup>1</sup> / <sub>4</sub> nchen Germany (72)Name of Inventor: 1)FALK Rainer 2)FRIES Steffen
Filing Date	:NA	

#### (57) Abstract:

Method for authenticating a multicast message having the following steps: An initialization hash chain is calculated (S1) by a transmitter on the basis of an anchor value for the transmitter and the last chain link in the initialization hash chain is distributed as an initialization function value to at least one receiver in an initialization phase (IP) a multicast message (MC N) is received (S2) by a receiver which stores the received multicast message (MC N) an authentication key release message (KRM) is received (S3) from the transmitter by the receiver wherein the authentication key release message (KRM) contains a cryptographic authentication key (K) released by the transmitter for the purpose of authenticating the stored multicast message (MC N) a cryptographic function value h (K) is calculated (S4) for the cryptographic authentication key (K) contained in the authentication key release message (KRM) by the receiver using a prescribed cryptographic function (H) the cryptographic function value h (K) calculated by the receiver of the authentication key (K) is compared (S5) with the initialization function value (h) distributed to receivers by the transmitter in advance in the initialization phase (IP) for the purpose of checking the validity of the cryptographic authentication key (K) contained in the authentication key release message (KRM); and the multicast message (MC N) which comes from the transmitter and which is stored in the receiver is authenticated (S6) by the receiver using the cryptographic authentication key (K) which has been recognized as valid.



No. of Pages: 29 No. of Claims: 22

(21) Application No.8977/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "SPRAY-PUMPABLE COMPOSITION SUITABLE FOR TOPICAL SKIN APPLICATION†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A47J :2004437 :19/03/2010 :Netherlands :PCT/NL2011/050186 :17/03/2011 :WO 2011/115489 :NA :NA :NA	(71)Name of Applicant:  1)FORTEIQ B.V. Address of Applicant: Lindenlaan 31CÂ NL-6584 AC Molenhoek Netherlands (72)Name of Inventor:  1)MARIA MARGARETHA MARTINA WILLEMS 2)PETRUS RICHARDUS MARINUS VAN DE LOCKAND 3)PETER MEIJLINK
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#### (57) Abstract:

The present invention relates to a spray-pumpable composition for topical use on the skin comprising hydrophilic silicon dioxide, an emulsifier, at least one active ingredient and optionally one or more additives. The present invention further relates to a method for the preparation of a spraypumpable composition for topical use on the skin and the use of hydrophilic silicon dioxide for the preparation of suspensions in emulsions, in particular oil-in- water emulsions.

No. of Pages: 33 No. of Claims: 32

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "ARBORESCENT POLYMERS HAVING A CORE WITH A HIGH GLASS TRANSITION TEMPERATURE AND PROCESS FOR MAKING SAME†•

(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		1)LANXESS INC. Address of Applicant:1265 Vidal Street South SarniaÂ Ontario N7T 7M2 U.S.A. (72)Name of Inventor: 1)GORAN STOJCEVIC 2)STEVEN TEERTSTRA 3)LORENZO FERRARI 4)KEVIN KULBABA 5)GREGORY DAVIDSON
Filing Date :1	NA	

#### (57) Abstract:

The present invention relates to arborescent polymers comprising isooleiins and styenic monomers, as well as prom cesses for making same. In particular, the invention relates to highly branched block copolymers comprising an arborescent core 0 with a high glass-transition temperature (Tg) and branches attached to the core terminated in polymer endblock segments with a low Tg. The copolymers of the invention desirably exhibit thermoplastic elastomeric properties and, in one embodiment, are desirably suited to biomedical applications.

No. of Pages: 36 No. of Claims: 32

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TOKEN-BASED ADMISSION CONTROL FOR REPLICATED WRITES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 :13/800796 :13/03/2013 :U.S.A. :PCT/US2014/022916 :11/03/2014 :WO 2014/164584 :NA :NA :NA	2)SWIFT Bjorn Patrick 3)FILIPE Miguel Mascarenhas 4)RATH Timothy Andrew 5)STEFANI Stefano 6)LU Yijun 7)XIAO Wei
		8)MARSHALL Stuart Henry Seelye 9)HAMILTON James R.

## (57) Abstract:

Methods and apparatus for token-based admission control for replicated writes are disclosed. Data objects are divided into partitions, and corresponding to each partition, at least a master replica and a slave replica are stored. A determination as to whether to accept a write request directed to the partition is made based at least in part on one or more of (a) available throughput capacity at the master replica, and (b) an indication, obtained using a token-based protocol, of available throughput capacity at the slave replica. If the write request is accepted, one or more data modification operations are initiated.

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

(21) Application No.9014/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:F16D65/60 :202011106746.0 :14/10/2011 :Germany :PCT/EP2012/069980 :09/10/2012 :WO 2013/053718 :NA	(71)Name of Applicant:  1)HALDEX BRAKE PRODUCTS AB  Address of Applicant:Box 501 S 26124 Landskrona Sweden (72)Name of Inventor:  1)GRIPEMARK Joakim
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A brake lever for a drum brake of a vehicle comprising a lever section for connection with a brake cylinder and a housing section for attachment to a splined S cam shaft which receives an adjustment device the adjustment device comprising a first clutch (K1) the first clutch (K1) being biased by a first spring element (9) with a spring force and a second clutch (K2) formed as an one way clutch with a number of teeth the second clutch (K2) being biased by a second spring element with a spring force in which the teeth of the second clutch (K2) are configured such that the spring force applied by the second spring element can shift the second clutch (K2) in its completely closed position against the torques which are induced in it by friction as long as the first clutch (K1) remains in an open position.

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

(21) Application No.9168/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: PROTEIN SUSPENSION AS A BEVERAGE OPACIFIER SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A23L1/305,A23L2/00,A23L2/62 :61/773433 :06/03/2013 :U.S.A.	(71)Name of Applicant:  1)SUNNY DELIGHT BEVERAGES COMPANY  Address of Applicant: 10300 Alliance Road Suite 500  Cincinnati OH 45242 U.S.A.
(86) International Application No Filing Date	:PCT/US2014/020514 :05/03/2014	(72)Name of Inventor: 1)SARAMA Robert J. 2)ARCUINO Gregory
(87) International Publication No	:WO 2014/138152	
(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 a composition which provides product opacity ("cloud") to beverages without requiring the use of added oil. The beverage comprises a beverage matrix, a protein having a tertiary or quaternary structure (such as WPC 80)having an average particle size of from about 0.3 to about 10 mhi, and a hydrocolloid gum (such as gellan gum) which imparts thixotropic properties to the beverage matrix. The method for importing cloud to a beverage composition, using this composition, is also described.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : APPARATUS , METHOD AND ARTICLE FOR CHANGING PORTABLE ELECTRICAL POWER STORAGE DEVICE EXCHANGE PLANS

(51) International classification	:H02J7/04,H01M10/44	(71)Name of Applicant:
(31) Priority Document No	:61/778038	1)GOGORO INC.
(32) Priority Date	:12/03/2013	Address of Applicant : Walker House, 87 Mary Street, George
(33) Name of priority country	:U.S.A.	Town, Grand Cayman, KYI -9005 Cayman Island
(86) International Application No	:PCT/US2014/023539	(72)Name of Inventor:
Filing Date	:11/03/2014	1)LUKE Hok Sum Horace
(87) International Publication No	:WO 2014/164812	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A network of collection, charging and/or distribution machines collect, charge and/or distribute portable electrical energy storage devices (e.g., batteries, supercapacitors or ultracapacitors). In some embodiments, if the user selects to change their current portable electrical power storage device exchange plan to a two-portable electrical power storage device, exchange plan while exchanging their current portable electrical power storage device, the user will return their current portable electrical power storage device and will receive two portable electrical power storage devices in exchange at the collection, charging and distribution machine. The user may also be required to pay additional fees and/or commit to additional obligations while at the collection charging and distribution machine in order to change to the different portable electrical power storage device exchange plan.

No. of Pages: 57 No. of Claims: 20

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD OF USING ALDEHYDE -FUNCTIONALIZED POLYMERS TO INCREASE PAPERMACHINE PERFORMANCE AND ENHANCE SIZING

:D21H17/54,C09D139/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :13/802052 1)NALCO COMPANY (32) Priority Date Address of Applicant: 1601 W. Diehl Road Napreville Illinois :13/03/2013 (33) Name of priority country :U.S.A. 60563 U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2014/022210 Filing Date :09/03/2014 1)BENZ Bradley J. 2) JOHNSON William C. (87) International Publication No :WO 2014/164380 (61) Patent of Addition to Application 3)LIU Mei :NA Number 4) WILSON Shawnee M. :NA Filing Date 5)GRIMM Mark (62) Divisional to Application Number :NA 6)ST. JOHN Michael R. Filing Date :NA

#### (57) Abstract:

Disclosed herein are compositions and methods to increase paper machine performance and enhance sizing. The compositions include a sizing agent, an emulsifier, and an aqueous component. The emulsifier may be an aldehyde-functionalized polymer

No. of Pages: 62 No. of Claims: 24

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FOOTWEAR CONDUCTIVE LOOP AND FOOTWEAR THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:21/03/2013 :WO 2014/146278 :NA :NA	(71)Name of Applicant:  1)ESD TECHNOLOGY CONSULTING & LICENSING CO. LTD  Address of Applicant: A 2717 Kaisa Center No.66 of Nanyuan Road Futian Shenzhen Guangdong 518031 China (72)Name of Inventor:  1)KOW Kek Hing
Filing Date	:NA	

### (57) Abstract:

A unique footwear conductive loop comprises at least one upper footwear conductive loop formed by one upper conductive wire and at least one lower footwear conductive loop formed by one lower conductive wire. The upper conductive wire contacts the bottom of a person"s foot and the lower conductive wire contacts the floor. The upper footwear conductive loop is electrically connected the lower footwear conductive loop for draining static charges from the person to the floor. The unique footwear conductive loop achieves a simple, easy-to-make, highly durable and a low cost means to convert ordinary footwear to precisely controlled body-to-ground electrical resistance footwear for use in a cleanroom or non-cleanroom high technology manufacturing envir onment.

No. of Pages: 29 No. of Claims: 13

(21) Application No.9161/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROVIDING DEVICES AS A SERVICE

(51) International classification	:G06F21/00	(71)Name of Applicant :
(31) Priority Document No	:13/830114	1)AMAZON TECHNOLOGIES INC.
(32) Priority Date	:14/03/2013	Address of Applicant :P.O. Box 8102 Reno Nevada 89507
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2014/024977	(72)Name of Inventor:
Filing Date	:12/03/2014	1)FITZGERALD Robert Eric
(87) International Publication No	:WO 2014/159750	2)DOANE Andrew J.
(61) Patent of Addition to Application	:NA	3)SCHOOF Alexander Edward
Number	:NA	4)HELMA Christopher Steven
Filing Date	.IVA	5)MIN Rui
(62) Divisional to Application Number	:NA	6)ESTES Matthew A.
Filing Date	:NA	7)MISHRA Anand

## (57) Abstract:

Devices, such as hardware security modules, are provided as a service. A customer of a computing resource provider is able to request the addition of a device to a network of the customer hosted by the computing resource provider. The computing resource provider reconfigures a set of computing resources so that the devices of the customer are able to communicate with the device as if the device was in the customer"s own network.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF CHARACTERIZING LYSOSOMAL ENZYMES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/779767 :13/03/2013 :U.S.A.	(71)Name of Applicant:  1)SHIRE HUMAN GENETIC THERAPIES INC. Address of Applicant: 300 Shire Way Lexington MA 02421 U.S.A. (72)Name of Inventor: 1)ROSEMAN Daniel S.
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#### (57) Abstract:

The present invention provides, among other things, methods for the characterization of recombinant Heparan NSulfatase(HNS) during manufacture. The present invention uses capillary zone electrophoresis to determine the charge profile, isoform distribution, and/or glycan profile of recombinant HNS; and represents a quality feature for the batch consistency, storge stability, biological half-life, pharmacokinetic, pharmacodynamic and biological activity of the enzyme. In particular, such characterization methods may be beneficial to optimize conditions and ensure consistency for the manufacture of HNS for the treatment of a patient diagnosed with Sanfilippo syndrome using enzyme replacement therapy.

No. of Pages: 103 No. of Claims: 37

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD AND MACHINE FOR SPREADING A FABRIC TYPE TEXTILE SHEET

:D06C15/00,D03D15/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) HEXCEL REINFORCEMENTS :1352122 (32) Priority Date :08/03/2013 Address of Applicant : Zone Industrielle La Plaine F 01120 (33) Name of priority country :France Dagneux France (86) International Application No :PCT/FR2014/050510 (72)Name of Inventor: 1)BERAUD Jean Marc Filing Date :06/03/2014 (87) International Publication No :WO 2014/135806 2)BRUYERE Alain (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The invention concerns a method for spreading a textile sheet (2) comprising at least warp yarns, wherein: the sheet (2) is made to pass between at least two rotary rollers (5), (6), of which the axes (A) extend parallel to one another and substantially perpendicular to the direction of travel of the sheet; the sheet is made to pass under pressure between at least one pressure generator(Si) of the rollers which are driven so as to oscillate axially and in phase opposition. According to the invention, at least one pressure generator of the rollers (5), (6) is produced with adjustable pressure values along the generator (Gl) in order to spread the sheet (2) with a low degree of thickness variability. The invention also concerns a machine suitable for performing this method.

No. of Pages: 38 No. of Claims: 20

(22) Date of filing of Application :05/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : ADDITION OF ALUMINUM REAGENTS TO SULFATE CONTAINING WASTE STREAM REDUCE SULFATE CONCENTRATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:13/787365 :06/03/2013 :U.S.A. :PCT/US2014/014948 :05/02/2014 :WO 2014/137527 :NA :NA	(71)Name of Applicant:  1)ECOLAB USA INC.  Address of Applicant: 370 N. Wabasha Street St. Paul Minnesota 55102 U.S.A. (72)Name of Inventor:  1)ERGANG Nicholas S. 2)DAVIS Ronald V.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides methods and compositions for detection and removal of sulfate from a liquid. The method provides much faster removal of sulfate than the prior art does and does so while requiring the use of far less aluminum. The method involves sequentially adding an acidic to neutral pH generating aluminum agent to the liquid, an alkaline pH generating aluminum agent to the liquid, after having added the acidic to neutral pH generating aluminum agent, and an alkaline calcium agent to the liquid. The most efficient rate possible can be obtained by also using a flourophore to precisely determine the amount of sulfate in the liquid.

No. of Pages: 37 No. of Claims: 16

(21) Application No.9166/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CROSS-LINKED ETHYLSULFONATED DIHYDROXYPROPYL CELLULOSE

(51) International classification	:C01F7/02,C08B37/00,C08B1/00	
(31) Priority Document No	:13/798761	1)NALCO COMPANY
(32) Priority Date	:13/03/2013	Address of Applicant :1601 W. Diehl Road Napreville Illinois
(33) Name of priority country	:U.S.A.	60563 U.S.A.
(86) International Application No Filing Date	:PCT/US2014/015538 :10/02/2014	(72)Name of Inventor: 1)BODE Heinrich E. 2)KILDEA John D.
(87) International Publication No	:WO 2014/158381	3)WANG Jing
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention provides methods and compositions for improving the production of alumina hydrate. The invention involves adding one or more cross-linked ethylsulfonated polysaccharides to liquor or slurry in the fluid circuit of the production process. The one or more polysaccharides include cross-linked dextran or cross-linked dihydroxypropyl cellulose. The various poly saccharides can impart a number of advantages including at least some of: greater flocculation effectiveness, increasing the maximum effective dosage, faster settling rate. The production process can be a Bayer process.

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

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEVICE FOR ANALYSIS OF CELLULAR MOTILITY

(51) International classification	:B01L3/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2013 70251	1)MOTILITYCOUNT APS
(32) Priority Date	:03/05/2013	Address of Applicant :Hvidkildevej 48 2nd floor DK 2400
(33) Name of priority country	:Denmark	Copenhagen NV Denmark
(86) International Application No	:PCT/DK2014/050117	(72)Name of Inventor:
Filing Date	:02/05/2014	1)LARSEN Jacob Møllenbach
(87) International Publication No	:WO 2014/177157	2)LAURSEN Steen Broch
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a mesoscale fluidic system comprising a substrate having a sample chamber and an analysis chamber; the sample chamber comprising a cell permeable filter defining a sample application compartment and a conditioning medium compartment; the sample chamber having a sample inlet port in the sample application compartment; the analysis chamber having an entry port and an exit port; the conditioning medium compartment being in fluid communication with the entry port of the analysis chamber via a channel; wherein the sample application compartment is below the cell permeable filter and the conditioning medium compartment is above the cell permeable filter. The mesoscale fluidic system is suited for analysing cellular motility in a sample. The invention also relates to method of estimating the quantity of motile cells in a sample and to a method of extracting motile cells from non-motile cells.

No. of Pages: 49 No. of Claims: 34

(21) Application No.9173/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHODS FOR TREATMENT OF NEPHROTIC SYNDROME AND RELATED CONDITIONS

(51) International classification :C07K14/47,A61K38/16,C12N15/12

(31) Priority Document No :13/841240 (32) Priority Date :15/03/2013 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2014/030009

Application No
Filing Date

115/03/2014

(87) International Publication :WO 2014/145275

(61) Patent of Addition to
Application Number
:NA

Application Number
Filing Date
(62) Divisional to
:NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)THE UAB RESEARCH FOUNDATION

Address of Applicant :1120G Administration Bldg 701 20th

Street South Birmingham Alabama 35233 U.S.A.

(72)Name of Inventor: 1)CHUGH Sumant S.

## (57) Abstract:

The present disclosure provides a polypeptide and method for treating and/or preventing nephrotic syndrome, such as but not limited to those associated with mimmal change disease and membranous nephropathy, and conditions related to nephrotic syndrome, such as but not limited to, proteinuria and edema, as well as diabetic nephropathy, diabetes mellitus, lupus nephritis or primary glomerular disease. The present disclosure further provides methods for reducing proteinuria and other disease states as discussed herein. Such methods comprise the therapeutic delivery of an Angptl4 polypeptide or Angptl4 polypeptide derivative to a subject

No. of Pages: 140 No. of Claims: 57

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : BEVERAGE DISPENSING METHOD INDICATING A SOLD OUT CONDITION AND SYSTEM 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> </ul>	:14/03/2014 :WO 2014/153198	(71)Name of Applicant:  1)THE COCA COLA COMPANY Address of Applicant: One Coca Cola Plaza NW Atlanta GA 30313 U.S.A. (72)Name of Inventor: 1)GREEN C. Brad
	:NA :NA :NA :NA :NA	

#### (57) Abstract:

Selecting and dispensing multiple brand beverages at a dispenser apparatus from a dispenser may be provided. A first and second user input indicating a beverage and flavor respectively, may be received at a user interface. Where an individual beverage concentrate or flavor has been exhausted a control device may switch to a remaining beverage concentrate or flavor. Further -more, the control device can output a signal to a user via the user interface. The user interface may indicate a no or low flow condition by highlighting the specific icon, providing a small indication over the specific icon, or other visual indicators in association with a sold-out brand on the user interface. Where the specific beverage concentrate or flavor has been replenished, a sensor may detect a replenished beverage concentrate or flavor. Subsequently, the control device may remove the signal sent to a user via the user interface.

No. of Pages: 47 No. of Claims: 23

(21) Application No.9175/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: DUTY CYCLED GYROSCOPE

(51) International :H03L7/08,G01C19/00,G01C19/04

classification ::103E7708,G01C13

(31) Priority Document No :61/783858 (32) Priority Date :14/03/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/019665

No :28/02/2014

Filing Date .28/02/20

(87) International Publication :WO 2014/158728

(61) Patent of Addition to Application Number :NA

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

Number :NA Filing Date

Filing Date

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

Address of Applicant: 1745 Technology Drive Suite 200 San

Jose CA 95110 U.S.A. (72)Name of Inventor: 1)SHAEFFER Derek 2)WANG Stanley

(57) Abstract:

A gyroscope system comprises a MEMS gyroscope coupled to a drive system and a sense system. The drive system maintains the MEMS gyroscope in a state of oscillation and the sense system for receiving, amplifying, and demodulating an output signal of the MEMS gyroscope that is indicative of the rate of rotation. The gyroscope system further includes a phase -locked look (PLL) which receives a reference clock (REFCLK) from the drive system and produces a system clock (CLK). Finally, the gyroscope system includes a controller operating on the system clock sets an operating state of the drive system and the sense system and also controls a state of the PLL. One or more system state variables are maintained in a substantially fixed state during a protect mode thereby enabling rapid transitions between a low power mode and a normal operating mode of the gyroscope system.

No. of Pages: 21 No. of Claims: 20

(21) Application No.9017/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/10/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: BEVERAGE PRODUCTION DEVICE WITH ENHANCED CONTROL 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> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A47J31/52 :10164137.1 :27/05/2010 :EPO :PCT/EP2011/058458 :24/05/2011 :WO 2011/147821	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestlé 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)SPIEGEL Akos
* *	:24/05/2011	1)SPIEGEL Akos
$\varepsilon$		1)OI II GILL TINOS
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

## (57) Abstract:

The invention proposes a beverage production device for preparing single component and/or multi component beverages comprising: a brewing unit for preparing the component a user interface (1) providing a plurality of buttons or keys (1a 1b 1c) designed for being mechanically operated by a user and having a graphical identification item (3a 3b 3c) associated to the respective button or key (1a 1b 1c) a display (2) for displaying information as to the beverages and a plurality of selectable and dynamically allocated functions (5a 5b 5c) by selective pressure on said button or keys (1a 1b 1c) of said user interface (1) the display (2) being separated from the user interface (1) and being designed to illustrate a currently set mapping of the respective buttons or keys (1a 1b 1c) of the user interface (1) to a selective one of a plurality of functions (5a 5b 5c) by representing the currently set function in close vicinity to a graphical representation (4a 4b 4c) of the respective identification item (3a 3b 3c) of the button or key (1a 1b 1c).

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

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "HEAT EXCHANGER HAVING ENHANCED PERFORMANCE†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:F24H :1052447 :31/03/2010 :France :PCT/EP2011/054843 :29/03/2011 :WO 2011/120977 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES THERMIQUES Address of Applicant: 8 rue Louis Lormand La Verriere F-78320 Le Mesnil-Saint-Denis France (72)Name of Inventor: 1)CHRISTIAN RIONDET 2)JEAN-MARC LESUEUR
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A heat. exchanger of the type comprising at least one elongate tube (3) adapted to the circulation of a coolant fluid and at least one collecting box (5) for such a 5 fluid into which one end of said tube leads, the collecting box comprising a manifold (9) having a receiving element for the end of said tube, the receiving element comprising an inwardly protruding portion (19) formed in a retention zone for this tube, characterized in that the receiving element also comprises a connecting portion (21) for connecting the inwardly protruding portion to the rest of the 10 manifold and in that this connecting portion protrudes on the side of the manifold opposite to the collecting box so that the inwardly protruding portion (19) and the connecting portion (21) have mutually opposite protruding directions.

No. of Pages: 20 No. of Claims: 14

(21) Application No.9019/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "METHOD AND SYSTEM USING LOW FATTY ACID STARCHES IN PAPER SIZING COMPOSITION TO INHIBIT DEPOSITION OF MULTIVALENT FATTY ACID 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12P :12/753,506 :02/04/2010 :U.S.A. :PCT/US2011/027138 :04/03/2011 :WO 2011/123214 :NA :NA	(71)Name of Applicant:  1)INTERNATIONAL PAPER COMPANY Address of Applicant:6400 Poplar Avenue Memphis TN 38197 U.S.A. (72)Name of Inventor: 1)MICHAEL F. KOENIG 2)ASCENCION L. KOENIG 3)EWA GERTRUDA BUCHER
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for ithibiting deposition of multivalent saturated fatty acids on paper sizing equipment andlor devices which use a paper surface sizing composition containing higher starch solids levels of surface sizing starches and a source of mul-tivalent cations, such as a multivalent metal drying salt, by including (wholly or partially) one or more low fatty acid surface siz-ing starches in the paper surface sizing composition. Also, a paper surface sizing system for carrying out this method. METHODA

No. of Pages: 42 No. of Claims: 25

(21) Application No.9192/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SALMONELLA BASED VECTORS FOR CANCER IMMUNOTHERAPY TARGETING WILMS **TUMOR GENE WT1**

(51) International :A61K35/74,C07K14/47,C12R1/42 classification

(31) Priority Document No :13002245.2 (32) Priority Date :25/04/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/001099

No :24/04/2014 Filing Date

(87) International Publication :WO 2014/173542

(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)VAXIMM AG

Address of Applicant : Elisabethenstrasse 3 CH 4051 Basel

Switzerland

(72) Name of Inventor: 1)LUBENAU Heinz

2)SPRINGER Marco

# (57) Abstract:

The present invention relates to an attenuated mutant strain of Salmonella comprising a recombinant DNA molecule encoding Wilms" tumor Protein 1. In particular, the present invention relates to the use of said attenuated mutant strain of Salmonella in cancer immunotherapy.

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

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD FOR MANUFACTURING AN ASYMMETRIC COMPONENT USING ADDITIVE MANUFACTURING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:B22F3/105,B22F5/04,B29C67/00 :1353217 :10/04/2013 :France :PCT/FR2014/050779 :01/04/2014 :WO 2014/167212	(71)Name of Applicant:  1)SNECMA  Address of Applicant: 2 boulevard du Général Martial  Valin F 75015 Paris France (72)Name of Inventor:  1)BAUDIMONT Cyrille
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method for manufacturing a component using additive manufacturing, notably by nising or sintering particles of powder using a high-energy beam. According to the invention, this method comprises the following steps: provision of a digital mo del of a component that is to be manufactured, orientation of the model with respect to a direction of construction (62) of the component, modification of the model by adding a sacrificial equalizing portion (72) configured to equalize the residual stresses that are introduced into the component while same is being manufactured, creation of a raw component layer by layer using an additive manufacturing technique based on the model thus modified (50"), said layers being stacked in the direction of construction (62), removal of the sacrificial part from the raw component derived from the sacrificial equalizing portion (72) of the model (50") using a method involving the removal of material therefrom, thereby obtaining said component that is to be manufactured.

No. of Pages: 22 No. of Claims: 11

(21) Application No.9004/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "METHOD FOR DIRECT METALLIZATION OF NON-CONDUCTIVE 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>	:C07C :10 2010 012 204.1 :19/03/2010 :Germany :PCT/US2011/029194 :21/03/2011 :WO 2011/116376 :NA :NA :NA	(71)Name of Applicant:  1)ENTHONE INC.  Address of Applicant:350 Frontage Road West Haven CT 06516 U.S.A. (72)Name of Inventor:  1)ANDREAS KÃ-NIGSHOFEN 2)DANICA ELBICK 3)HELMUT STARKE
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### (57) Abstract:

The present invention relates to a method for direct metallization of non-conductive substrates as well as a conductor solution used in such a method. According to the invention, it is proposed to contact a non-conductive substrate surface after activation by a noble metal colloid-containing activator solution with a conductor solution, which comprises a metal that is reducible by a metal of the activator solution, a complexing agent and a reducing agent.

No. of Pages: 45 No. of Claims: 74

(21) Application No.9005/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HIGH SHEAR APPLICATION IN DRUG DELIVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:08/04/2011 :WO 2011/139479	(71)Name of Applicant: 1)HRD CORPORATION Address of Applicant:14549 Minetta Houston Texas 77035  USA U.S.A. (72)Name of Inventor: 1)ABBAS HASSAN 2)AZIZ HASSAN 3)RAYFORD G. ANTHONY
(87) International Publication No		2)AZIZ HASSAN

## (57) Abstract:

In this disclosure, methods and systems for drug delivery utilizing high shear are disclosed, hi an embodiment, a method comprises (1) subjecting a therapeutic fluid containing a drug to high shear; and (2) obtaining a processed therapeutic fluid, wherein the processed therapeutic fluid contains the drug in nano-size. In an embodiment, a method comprises (1) subjecting a drug carrier and a therapeutic fluid containing a drug to high shear; and (2) obtaining a processed therapeutic fluid, wherein the processed therapeutic fluid contains the drug carrier loaded with the drug, hi an embodiment, a method comprises (1) applying high shear to a drug carrier and a therapeutic fluid containing a drug; (2) obtaining a processed therapeutic fluid, wherein the processed therapeutic fluid contains the drug-loaded carrier; and (3) modifying the drug-loaded carrier with a targeting moiety to obtain a modified drug-loaded carrier.

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

(21) Application No.9006/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "ADENOSINE COMPOUNDS AND THEIR 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>	:A61K :61/317,972 :26/03/2010 :U.S.A. :PCT/US2011/029929 :25/03/2011 :WO 2011/119919 :NA :NA	(71)Name of Applicant:  1)INOTEK PHARMACEUTICALS CORPORATION Address of Applicant:131 Hartwell Avenue 1st FloorÂ Suite 105 Lexington MA 02421 U.S.A. (72)Name of Inventor: 1)PRAKASH JAGTAP
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention is directed to a benzyloxy cyclopentyladenosine (BCPA) compounds and to their use as selective Ai adenosine receptor agonists. The compounds of the invention are particularly directed to use in subjects for reducing and/or controlling elevated or abnormally fluctuating IOPs in the treatment of glaucoma or ocular hypertension (OHT).

No. of Pages: 52 No. of Claims: 112

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "ELASTOMERIC NANOCOMPOSITES NANOCOMPOSITE COMPOSITIONS 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C08F :12/771,775 :30/04/2010 :U.S.A. :PCT/US2011/029583 :23/03/2011 :WO 2011/139423 :NA :NA	(71)Name of Applicant:  1)EXXONMOBIL CHEMICAL PATENTS INC. Address of Applicant:5200 Bayway Drive Baytown TX 77520 U.S.A. (72)Name of Inventor: 1)WEIQING WENG 2)MICHAEL BRENDAN RODGERS 3)JOHN PATRICK SOISSON 4)MOLLY W. JOHNSTON 5)ROBERT N. WEBB
Number		4)MOLLY W. JOHNSTON
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A nanocomposite comprising at least one elastomer and at least one nanofiUer. The elastomer comprises units derived from isoolefins having from 4 to 7 carbon atoms and at least one multiolefin. The nanofiUer comprise a layered filler and an amine modifier wherein the nanofiUer is substantially free of any unassociated amines. By eliminating unassociated amines in the nanofiUer, prior to contact with the elastomer, the nanocomposite has improved processability characteristics while maintaining desired impermeability characteristics.

No. of Pages: 31 No. of Claims: 15

(21) Application No.9188/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LUTEIN COMPOSITION SUITABLE FOR INFANT FOOD FORMULATIONS

:A23L1/29,A23P1/04,A23P1/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DSM IP ASSETS B. V. :13161534.6 (32) Priority Date :28/03/2013 Address of Applicant :Patent Department Het Overloon 1 NL (33) Name of priority country :EPO 6411 TE Heerlen Netherlands (86) International Application No :PCT/EP2014/056126 (72) Name of Inventor: 1)BECK Markus Filing Date :27/03/2014 (87) International Publication No: WO 2014/154788 2)NA (61) Patent of Addition to 3)SCHLEGEL Bernd :NA **Application Number** 4)SCHAEFER Christian :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

The present invention is related to a powderous composition which comprises lutein and which is used in infant food formulations or premixes for infant food formulations.

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

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:A01N43/02 :61/808441 :04/04/2013 :U.S.A. :PCT/US2014/033025 :04/04/2014 :WO 2014/165792 :NA :NA :NA	(71)Name of Applicant:  1)PRESIDENT AND FELLOWS OF HARVARD COLLEGE Address of Applicant:17 Quincy Street Cambridge MA 02138 U.S.A. (72)Name of Inventor: 1)MYERS Andrew G. 2)SEIPLE Ian Bass 3)ZHANG Ziyang
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### (57) Abstract:

Provided herein are methods of preparing macrolides by the coupling of an eastern and western half, followed by macrocyclization, to provide macrolides, including both known and novel macrolides. Intermediates in the synthesis of macrolides including the eastern and western halves are also provided. Pharmaceutical compositions and methods of treating in fectious diseases and inflammatory conditions using the inventive macrolides are also provided. A general diastereo selective aldol methodology used in the synthesis of the western half is further provided.

No. of Pages: 543 No. of Claims: 80

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

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CRYSTALLINE FORMS OF A MACROLIDE AND USES 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>	:22/03/2011 :WO 2011/119604 :NA :NA :NA	(71)Name of Applicant:  1)CEMPRA PHARMACEUTICALSÂ INC.  Address of Applicant: 6340 Quadrangle Drive Suite 100Â Chapel Hill NC 27517 U.S.A.  (72)Name of Inventor:  1)PEREIRA David E.
Filing Date	:NA	

### (57) Abstract:

New crystalline forms of macrolide compounds  $\hat{A}$  and pharmaceutical compositions thereof  $\hat{A}$  are described herein. In addition  $\hat{A}$  processes for preparing the crystalline forms are described herein.

No. of Pages: 35 No. of Claims: 32

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PRESS MACHINE

(51) International classification	:B30B1/26,B30B15/14	(71)Name of Applicant:
(31) Priority Document No	:61/777660	1)VAMCO INTERNATIONAL INC.
(32) Priority Date	:12/03/2013	Address of Applicant :555 Epsilon Drive Pittsburgh PA 15238
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2014/024055	2)MARTIN, Vaughn, H.
Filing Date	:12/03/2014	3)GENTILE, Joseph, P.
(87) International Publication No	:WO 2014/164990	4)GENTILE, Bryan, P.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)MARTIN Vaughn H.
Filing Date	.1171	2)GENTILE Joseph P.
(62) Divisional to Application Number	:NA	3)GENTILE Bryan P.
Filing Date	:NA	

### (57) Abstract:

A press machine includes a press frame, a crankshaft having a first eccentric portion, at least one crankshaft motor connected to the crankshaft, a ram, an upper tool section supported by the ram and a lower tool section fixedly attached to the press frame, a linkage type ram drive mechanism connected to the crankshaft and including at least one pivot sup - port pin, and a ram adjustment mechanism including a pivot support member supporting the at least one pivot support pin. The at least one ram drive connecting link is rotatably supported by the at least one first eccentric portion of the crankshaft at a first end and pivotally connected at a second end to the at least one main ram drive link at a point between the first and second ends of the at least one main ram drive link.

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

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: MERCAPTOPURINE RIBONUCLEOSIDE ANALOGUES FOR ALTERING TELOMERASE MEDIATED TELOMERE

(51) International classification :A61K31/7076,A61P35/00 (71)Name of Applicant : (31) Priority Document No :61/809575 (32) Priority Date :08/04/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/033330 Filing Date :08/04/2014

(87) International Publication No :WO 2014/168947 (61) Patent of Addition to Application

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

1) THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM

Address of Applicant :201 West 7th Street Austin TX 78701

(72) Name of Inventor:

1)SHAY Jerry W.

2) GRYAZNOV Sergei M.

#### (57) Abstract:

The present disclosure is directed toward pharmaceutical compositions and methods of using 6-mercaptopurine ribosides and analogues thereof for the treatement of cancer and other hyperproliferative diseases. The described compounds can be converted into telomere substrates in vivo and can be recognized by telomerase for incorporation into telomeres of telomerase active cells, leading to induction of cell death of the telomerase active cells.

No. of Pages: 51 No. of Claims: 32

(21) Application No.9184/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR TREATING AN ANIMAL SUBSTRATE

:C14C3/06,C14C3/10,C14C3/30 (71)Name of Applicant : (51) International classification (31) Priority Document No :1306607.1 (32) Priority Date :11/04/2013

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

(86) International Application No: PCT/GB2014/051149

Filing Date :11/04/2014 (87) International Publication No: WO 2014/167359

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

:NA Number :NA Filing Date

1)XEROS LIMITED

Address of Applicant : Unit 14 Evolution Advanced Manufacturing Park Whittle Way Catcliffe Rotherham South

Yorkshire S60 5BL U.K. (72) Name of Inventor: 1)STEELE John Edward

#### (57) Abstract:

The invention discloses a method for treating an animal substrate comprising: agitating the moistened animal substrate with a treatment formulation and a solid particulate material in a sealed apparatus wherein the treatment formulation comprises a tanning agent or a tannery process agent. The method can comprise applying the tanning agent or tannery process agent to the animal substrate wherein at least some of the agent so applied originates from the treatment formulation. There is also disclosed an animal substrate obtained by the method. The treatment formulation can be aqueous.

No. of Pages: 75 No. of Claims: 48

(21) Application No.9185/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:06/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: METHOD FOR TREATING AN ANIMAL SUBSTRATE

(51) International classification (31) Priority Document No :1306607.1 (32) Priority Date :11/04/2013 (33) Name of priority country :U.K.

(86) International Application No: PCT/GB2014/051148

Filing Date :11/04/2014 (87) International Publication No: WO 2014/167358

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

Number :NA Filing Date

:C14C3/06,C14C3/10,C14C3/28 (71)Name of Applicant : 1)XEROS LIMITED

> Address of Applicant : Unit 14 Evolution Advanced Manufacturing Park Whittle Way Catcliffe Rotherham South

Yorkshire S60 5BL U.K. (72) Name of Inventor: 1)STEELE John Edward

#### (57) Abstract:

The invention discloses a method for treating an animal substrate comprising: agitating the moistened animal substrate with an aqueous treatment formulation and a solid particulate material in a sealed apparatus, wherein the aqueous treatment formulation comprises at least one colourant. There is also disclosed an animal substrate obtained by the method and finished leather goods obtained by the method.

No. of Pages: 72 No. of Claims: 57

(21) Application No.9186/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: IRRADIATION 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>	:A61N5/06 :1306369.8 :09/04/2013 :U.K. :PCT/EP2014/057148 :09/04/2014 :WO 2014/166993 :NA	(71)Name of Applicant:  1)PHOTOCURE ASA Address of Applicant:Hoffsveien 4 NO 0275 Oslo Norway (72)Name of Inventor: 1)GROSETH Morten
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An irradiation device for insertion into an orifice of the body to provide photodynamic therapy comprises: a housing moulded from a resilient material and adapted to be fully inserted and secured in the orifice, the housing enclosing an LED lamp system 22 and a power source 41 for powering the LED lamp system 22; wherein the device is independently operational while located in the orifice; characterised in that: the housing comprises a first housing part 2 for holding the power source 4 1 and a second housing part 4 for holding the LED lamp system 22, the first and second housing parts 2, 4 being separable and being preferably formed separately from the LED lamp system 22; and in that the first housing part 2 consists of a chamber 6 for holding the power source 4 1 and an opening 26 into the chamber 6 is provided through a re silient opening part 8, wherein the chamber 6 is closed when the first housing part 2 is joined to the second housing part 4.

No. of Pages: 46 No. of Claims: 38

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COVER FOR UNDERGROUND STRUCTURE

(51) International classification	:E02D29/14	(71)Name of Applicant:
(31) Priority Document No	:2013089444	1)HINODE LTD.
(32) Priority Date	:22/04/2013	Address of Applicant :8 18 Katakasu 5 chome Hakata ku
(33) Name of priority country	:Japan	Fukuoka shi Fukuoka 8128636 Japan
(86) International Application No	:PCT/JP2014/060299	(72)Name of Inventor:
Filing Date	:09/04/2014	1)SAEKI Eiichiro
(87) International Publication No	:WO 2014/175070	2)SHINOHARA Norio
(61) Patent of Addition to Application	:NA	3)ANDOU Takefumi
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The inner periphery ( ^l) of a receiving frame (30) has a receiving frame support (40) that has a flat receiving snape and a receiving frame first face (42) that i s formed on the lower part of the receiving frame support and that i s sloped so that the diameter decreases toward the bottom o f the receiving frame. The outer periphery ( 1 1) of a cover (10) has a flat cover receiving section (16) that i s supported b y the receiving frame support, and a cover first face (18) that i s formed on the lower part o f the cover flat receiving section and that is vertical toward the bottom of the cover or i s sloped steeper than the receiving frame first face so that the diameter decreases toward the bottom o f the cover. When the cover i s i n a closed cover state, the cover flat receiving section (16) i s supported by the receiving frame support (40), and the cover first face (18) and the receiving frame first face (42) are mutually pressed together by a pressing force due t o the elastic deformation o f the outer periphery ( 1 1) of the cover (10) and/or the inner periphery ( 1) of the receiving frame (30).

No. of Pages: 50 No. of Claims: 10

(22) Date of filing of Application :06/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : BROADLEAF CROP CONTROL WITH 6- ARYLPICOLINE CARBOXYLIC ACIDS , 2-ARYLPYRIMIDINE CARBOXYLIC ACIDS, OR SALTS OR ESTERS THEREOF

(51) International classification	:A01N43/40	(71)Name of Applicant :
(31) Priority Document No	:61/781328	1)DOW AGROSCIENCES LLC
(32) Priority Date	:14/03/2013	Address of Applicant :9330 Zionsville Road Indianapolis
(33) Name of priority country	:U.S.A.	Indiana 46268 1054 U.S.A.
(86) International Application No	:PCT/US2014/018740	(72)Name of Inventor:
Filing Date	:26/02/2014	1)SCHMITZER Paul Richard
(87) International Publication No	:WO 2014/158614	2)DAVIES Kent William
(61) Patent of Addition to Application	:NA	3)WEIMER Monte Ray
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1	*1 11 1	

### (57) Abstract:

Disclosed herein are methods of controlling a broadleaf volunteer crop, comprising applying to the broadleaf volunteer crop, an area adjacent the broadleaf volunteer crop, or to soil or water to prevent the emergence or growth of the broadleaf volunteer crop, a herbicidally effective amount of a 6-arylpicoline carboxylic acid, a 2-arylpyrimidine carboxylic acid, or a salt or ester thereof.

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

(21) Application No.9196/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TWO FACTOR AUTHENTICATION

(51) International classification	:G06Q20/42,G06F21/43	(71)Name of Applicant:
(31) Priority Document No	:201310252777.2	1)ALIBABA GROUP HOLDING LIMITED
(32) Priority Date	:24/06/2013	Address of Applicant :Fourth Floor One Capital Place P.O.
(33) Name of priority country	:China	Box 847 George Town Grand Cayman Cayman Island
(86) International Application No	:PCT/US2014/043347	(72)Name of Inventor:
Filing Date	:20/06/2014	1)CAO Kai
(87) International Publication No	:WO 2014/209781	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Embodiments of the present application relate to a method for authenticating user identity, a system for authenticating user identity, and a computer program product for authenticating user identity. A method for authenticating user identity is provided. The method includes generating a first verification code by a server, displaying the first verification code to a user in an application scenario of a service requiring user identity authentication, receiving a second verification code sent by the user via another application that is other than the application scenario, comparing the second verification code sent by the user and the first verification code generated by the server, and determining whether the user has passed identity authentication based on a result of the comparison.

No. of Pages: 24 No. of Claims: 18

(21) Application No.9197/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CVT BELT MANUFACTURING METHOD

(51) International classification	n:B21D31/00,B21D53/14,F16G5/16	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:NA	Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571
(33) Name of priority country	:NA	Japan
(86) International Application No Filing Date	:PCT/JP2013/060637 :08/04/2013	(72)Name of Inventor : 1)SHIMIZU Masatake 2)TAKASHIMA Akira
(87) International Publication No	:WO 2014/167632	
<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:

To limit the occurrence of variations in the length of endless metal rings, the CVT belt manufacturing method comprises: a first drawing process (pi) for extending the circumference of an endless metal belt (110) by widening the distance between rollers; a measurement process for measuring the amount (Sbl) of spring back of the endless metal belt (110) in the first drawing process (pi); a calculation process for calculating a predicted spring back amount (Sb2) predicted from the measured spring back amount(Sbl); and a second drawing process) for working the endless metal belt (110) to the specified circumference by further widening the distance between the rollers on the basis of the predicted spring back amount (Sb2) and drawing the endless metal belt (110).

No. of Pages: 25 No. of Claims: 3

(21) Application No.9032/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 17/10/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANTIBACTERIAL 3',5-DISUBSTITUTED 2,4'-DIHYDROXYBIPHENYL COMPOUNDS, ADERIVATIVES AND RELATED METHODS

(51) International classification :A61K 8/34 (31) Priority Document No :60/662,991 (32) Priority Date :18/03/2005 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2006/009046 (72)Name of Inventor : Filing Date :14/03/2006

(87) International Publication No :WO 2006/101818

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

(62) Divisional to Application Number :7642/DELNP/2007 Filed on :14/03/2006

(71)Name of Applicant:

1)COLGATE-PALMOLIVE COMPANY

Address of Applicant: 300 PARK AVENUE, NEW YORK,

NY 10022 USA. U.S.A.

1)SUBRAMANYAM RAVI

#### (57) Abstract:

The invention provides an antiplaque oral composition that includes an orally acceptable carrier; and an antibacteriaHj effective amount of a compound of structure (I) In the structure, R and R are independently selected from a lower Cu alkyl group and R and R are independently an alkenyl or alkyl group having from 1 to 20 carbon atoms. Also included in the invention are toothpastes or tooth gels that include at least one humectant; at least one abrasive compound; and an antibacterially effective amount of the compound represented by the structure of formula (I). Also provided are methods of inhibiting bacterial growth in the oral cavity of an animal by application of the compound of formula (I).

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

(21) Application No.9037/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : INTRAOCULAR LENSES WITH COMBINATIONS OF UV ABSORBERS AND BLUE LIGHT CHROMOPHORES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G06Q :61/329,218 :29/04/2010 :U.S.A. :PCT/US2011/034044 :27/04/2011 :WO 2011/137142 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35Â CH-4056Â BaselÂ  Switzerland (72)Name of Inventor:  1)LAREDOÂ Walter R.  2)AKINAY Ali E.
* *		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed are ophthalmic device materials having improved light transmission characteristics. The materials contain a combination of certain UV absorbers and blue-light absorbing chromophores.

No. of Pages: 45 No. of Claims: 17

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INPUT APPARATUS FOR ELECTRONIC DEVICE

(51) International classification	:H01H13/14,G06F3/02	(71)Name of Applicant:
(31) Priority Document No	:1020130040064	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:11/04/2013	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:Republic of Korea	si Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2014/002911	(72)Name of Inventor:
Filing Date	:04/04/2014	1)KANG Junghyun
(87) International Publication No	:WO 2014/168382	2)BAEK Seungchul
(61) Patent of Addition to Application	:NA	3)YOON Byounguk
Number	:NA	4)LEE Jaeryang
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An input device for an electronic device includes a floating prevention mechanism that prevents a physical key from being rocked. The input device may include a case, a body that is partially exposed to the outside of the case, a key base that is made of a soft material and coupled to a lower surface of the body, a switch that is positioned below the key base and generates an electrical signal when pressed by a force that is equal to or larger than a predetermined magnitude, and a subtrate on which the switch is mounted. The key base may include a pressing protrusion that is formed on a bottom surface of the key base and presses the switch, and a floating prevention unit that is made of a soft material and formed at opposing sides of the key base with respect to the pressing protrusion. The floating prevention unit supports the body to prevent the body from being rocked.

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

(21) Application No.9202/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SEPARATION OF IMPURITIES DURING EXTRACTION PROCESSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:14/03/2014 :WO 2014/153159 :NA :NA	(71)Name of Applicant:  1)GTC TECHNOLOGY US LLC Address of Applicant:1001 S. Dairy Ashford Suite 500 Houston TX 77077 U.S.A. (72)Name of Inventor: 1)MCCAULLEY Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A process for the removal of sulfur compounds from a hydrocarbon stream is disclosed. The process includes extractive distillation of a feed stock coupled with a solvent recovery column having a vapor side draw containing the sulfur compound impurities.

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

(21) Application No.9203/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HYBRID FIXED -KINETIC BED GASIFIER FOR FUEL FLEXIBLE GASIFICATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C10B49/16,C10J1/207,B01J7/00 :61/788611	1)ALL POWER LABS INC.
(32) Priority Date	:15/03/2013	Address of Applicant :1010 Murray Street Berkeley CA 94710
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No Filing Date	:PCT/US2014/030454 :17/03/2014	(72)Name of Inventor : 1)MASON James
(87) International Publication No	:WO 2014/145651	
<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 gasification system including: a casing defining: a solid material inlet; a fixed bed drying zone proximal the solid material inlet; a fixed bed pyrolysis zone arranged below the drying zone along a gravity vector, distal the solid material inlet across the pyrolysis zone; a kinetic bed combustion zone surrounded by the pyrolysis zone; and a iluidization channel extending through the drying zone and pyrolysis zone and fluidly connected to the combustion zone, the iluidization channel defining a kinetic bed reductionzone fluidly isolated from and thermally connected to the pyrolysis zone and the drying zone by the iluidization channel.

No. of Pages: 47 No. of Claims: 23

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: MODIFIED POLY(BETA- AMINO ESTER)S FOR DRUG DELIVERY

(51) International :A61K38/00,A61K9/14,A61K31/713 classification

(31) Priority Document No :1304245.2 (32) Priority Date :08/03/2013 (33) Name of priority

:U.K. country

(86) International :PCT/IB2014/059594

Application No :10/03/2014 Filing Date

(87) International

:WO 2014/136100 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 QUÃ□MIC DE SARRIÀ CETS

FUNDACIÃ" PRIVADA

Address of Applicant :c/o Via Augusta 390 E 08017 Barcelona

Spain

(72) Name of Inventor:

1)BORRÃ"S GÃ"MEZ Salvador 2)RAMOS PÉREZ Victor 3)SEGOVIA RAMOS Nathaly 4)DOSTA PONS Pere

## (57) Abstract:

Disclosed are polymers that are poly(beta-amino ester)s (PBAEs) modified with at least one oligopeptide. The polymers may be used in any field where polymers have been found useful including in medical fields, particularly in drug delivery. The polymers are particularly useful in delivering a polynucleotide such as DNA, RNA and siRNA, a small molecule or a protein. Also disclosed are compositions comprising said polymers and an active agent, methods of encapsulating an agent in a matrix of said polymers, and said polymers and compositions for use in medicine.

No. of Pages: 51 No. of Claims: 23

(21) Application No.9049/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ⠜BIOMATERIAL†•

(51) International classification	:C08F	(71)Name of Applicant:
(31) Priority Document No	:1006422.8	1)APATECH LIMITED
(32) Priority Date	:16/04/2010	Address of Applicant :370 Centennial Avenue Centennial
(33) Name of priority country	:U.K.	Park Elstree Hertfordshire WD6 3TJ Great Britain U.K.
(86) International Application No	:PCT/GB2011/000599	(72)Name of Inventor:
Filing Date	:18/04/2011	1)CAIÂ Qian
(87) International Publication No	:WO/2011/128655	2)LITTLE Mervyn
(61) Patent of Addition to Application	:NA	3)BUCKLAND Thomas
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A biocompatible material comprising a resorbable polymer matrix and at least one additive wherein the resorbable polymer matrix comprises: (i) at least one non-random copolymer of poly (alkylene oxide) s and(ii) at least one poly (alkylene glycol) polymer and/or at least one methoxypoly (alkylene glycol) polymer and wherein the at least one additive is selected from solid particles porous particles hollow particles polymers inert fillers bioactive compounds colour pigments and combinations of two or more thereof.

No. of Pages: 34 No. of Claims: 20

(12) FATENT AFFLICATION FUBLICATION

(43) Publication Date : 05/02/2016

(19) INDIA

(22) Date of filing of Application :06/10/2015

## (54) Title of the invention: SASH DOOR STRUCTURE

(51) International classification:B60J5/04,B60J5/00(31) Priority Document No:2014051480(32) Priority Date:14/03/2014(33) Name of priority country:Japan

(86) International Application No :PCT/JP2015/054131
Filing Date :16/02/2015

(87) International Publication No :WO 2015/137051
(61) Patent of Addition to Application
Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)SUZUKI MOTOR CORPORATION

(21) Application No.9208/DELNP/2015 A

Address of Applicant :300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

:PCT/JP2015/054131 (72)**Name of Inventor :** 

1)HAYASHI Katsuaki

### (57) Abstract:

In order to inexpensively improve the rigidity and quality oi joining portions using existing welding equipment when overlapping and joining a number of panels, such as an inner sash, an outer sash, a door inner panel, and a door outer panel, the present invention provides a sash door structure in which: an outer sash (7) and an inner sash (6) of a sash portion (4) are arranged between a door outer panel (3) and a door inner panel (2) of a door body (5); the outer sash, the inner sash, and the door inner panel are fixed by spot welding (28, 40); and hem-flanges (23, 34) on the vehicle front and rear ends of the door outer panel are swaged on the door inner panel. In the sash door structure, the vehicle front and rear end portions of the door outer panel (3) and the door inner panel (2) are extended upward beyond a door belt line (LI) of the door body (5) to form upward extension portions(16, 24, 33, 41), and the sash portion (4) is sandwiched in the door thickness direction between the upward extension portions.

No. of Pages: 36 No. of Claims: 5

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : VERTICAL -ROLLER DEVICES FOR ASSISTING IN SUPPLYING STEMS IN SUGAR -CANE HARVESTERS

(51) International classification (71)Name of Applicant: :A01D45/10 (31) Priority Document No 1) CNH INDUSTRIAL LATIN AMERICA LTDA. :BR1020130069825 (32) Priority Date :14/03/2013 Address of Applicant : Avenida General David Sarnoff 2237 (33) Name of priority country Cidade Industrial 33210 900 Contagem MG Brazil :Brazil (86) International Application No :PCT/BR2014/000077 (72)Name of Inventor: Filing Date :13/03/2014 1)MELLO Maurilio de Oliveira (87) International Publication No :WO 2014/138834 (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 vertical-roller devices for assisting in supplying stems in sugar-cane harvesters, which are installed in the front part (A) of the harvester, fixed in the row dividers, and which work in pairs, with elements to the right and to the left, optionally in the form of one or more pairs. The devices are designed to continuously propel and to guide the sugar-cane stems to the inside of the harvester. The devices with vertical rollers (6) are formed by hydraulic motors (6a), finned cylinders (6b), upper fixing support members (6c) and lower fixing support members (6d). In the case of a single row, the devices are installed in the harvesters in accordance with (B) and, in the case of two or more rows, in accordance with (C), on the inner faces(2) of the row dividers. The distance between the elements of the respective pairs decreases from the front towards the inside of the harvester, guaranteeing continuous directional pressure on the cane mass as the vertical-roller devices convey the canes towards the inside of the harvester, eliminating the jamming of stems, and maintaining a constant flow in the front part of the harvester and a consequent increase in harvest yield.

No. of Pages: 12 No. of Claims: 15

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MODULATION OF PLANT IMMUNE SYSTEM FUNCTION

(51) International classification	:C07K16/00,A01N65/00	(71)Name of Applicant:
(31) Priority Document No	:61/782254	1)ALGAL SCIENTIFIC CORPORATION
(32) Priority Date	:14/03/2013	Address of Applicant :46701 Commerce Center Drive,
(33) Name of priority country	:U.S.A.	Plymouth, MI 48170 U.S.A.
(86) International Application No	:PCT/US2014/027036	2)LEVINE, Robert, B.
Filing Date	:14/03/2014	3)HORST, Geoffrey,P.
(87) International Publication No	:WO 2014/152174	4)LEBRUN, Jeffrey, R.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)HORST Geoffrey P.
Filing Date	.1121	2)LEBRUN Jeffrey R.
(62) Divisional to Application Number	:NA	3)LEVINE Robert B.
Filing Date	:NA	

#### (57) Abstract:

Immune function of a plant can be modulated by administering a composition comprising beta glucan, where the beta glucan includes unbranched beta-(l,3)-glucan. Such unbranched beta-(l,3)-glucan can be obtained from Euglena, including heterotrophically grown Euglena. The unbranched beta-(l,3)-glucan can be in the form of paramylon and/or can be part of algae meal. The composition can further include a fertilizer, a pesticide, a fungicide, a bactericide, combinations thereof, as well as one or more various plant immune system modulators other than beta glucan. The wellbeing of the plant seed, seedling, mature plant, or harvested plant product can accordingly be improved.

No. of Pages: 38 No. of Claims: 31

1)GLEASON PFAUTER MASCHINENFABRIK GMBH

Address of Applicant: Daimlerstraße 14 71636 Ludwigsburg

(19) INDIA

(22) Date of filing of Application :09/11/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: METHOD FOR PRODUCING AND/OR PROCESSING A GEAR AND GEAR CUTTING MACHINE

Germany

(51) International classification :B23F23/04,B23F23/06,B23F17/00 (71)Name of Applicant : 1)GLEASON PFAUTI

(31) Priority Document No :10 2013 008 709.0 (32) Priority Date :22/05/2013

(33) Name of priority country: Germany

(86) International Application :PCT/EP2014/001363

No Filing Date :20/05/2014

(87) International Publication :WO 2014/187561

No
(61) Patent of Addition to
Application Number: :NA

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

(62) Divisional to Application Number :NA Filing Date :NA 5/2014 2)KREBSER Gerhard 3)SCHNEIDER Christoph

4)PHILIPPIN Matthias

(72) Name of Inventor:

1)BROGNI Johannes

(57) Abstract:

The invention relates to a method for producing and/or processing a gear on a workpiece wherein the workpiece is moved from a first location in which the workpiece is clamped on a clamping device connected to a workpiece spindle and is brought into contact with a first tool in order to be processed to a second location whilst remaining clamped in which second location the workpiece is brought into contact with a second tool in order to be processed. Before said movement is carried out the connection between the clamping device and the workpiece spindle is disengaged and after being moved into the processing position with the second tool the clamping device is connected to another workpiece spindle.

No. of Pages: 47 No. of Claims: 30

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SHOCK ABSORBING SHOES WITH IMPROVED ASSEMBLY AND OPERATIONAL PERFORMANCE

:A43B7/32,A43B13/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :1020100049597 1)A & B CO. LTD. (32) Priority Date :27/05/2010 Address of Applicant: (Jung dong Goodmorning Winnerstel 3 (33) Name of priority country :Republic of Korea cha) 306 ho 223 Sohyang ro Wonmi gu Bucheon si Gyeonggi do :PCT/KR2011/003729 420 852 Republic of Korea (86) International Application No (72) Name of Inventor: Filing Date :20/05/2011 (87) International Publication No :WO 2011/149218 1)PARK Cheol Su (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 shock absorbing shoes with improved assembly and operational performance. More specifically there is provided a shock absorbing shoe comprising: an outer sole; an upper sole which is arranged on top of the outer sole and has a guide portion; a backing member which includes a first backing body connected to the outer sole and a second backing body that is connected to the upper sole and has a guidance element corresponding the guide portion; an elastic member arranged between the first backing body and the second backing body of the backing member; and a supporting member connected to the first and second backing bodies of the backing member the supporting member being movable upward and downward through the guide portion and the guidance element of the second backing body. According to the shock absorbing shoes with improved assembly and operational performance the supporting member serves in particular to prevent the separation and isolation of the elastic member to thus improve durability of the shock absorbing shoe; and when the supporting member makes a relative movement (i.e. the upward and downward movements) at the time of the compression and restitution following the compression of the elastic member during walking the guide portion of the upper sole as well as the guidance element of the second backing body receive and guide the relative movement of the supporting member thereby ensuring operational reliability of the elastic member and the supporting member respectively. Further coupling the elastic member and the supporting member that secures the elastic member from both top and bottom sides can be achieved easily and conveniently by means of the supporting member which in turn results in easier assembly shortened assembly time and increased productivity compared to those conventional shock absorbing shoes. Moreover since all components can be taken apart easily by disassembling the supporting member only the maintenance work can be facilitated and the work efficiency can be enhanced.

No. of Pages: 34 No. of Claims: 4

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: THERMOSTABLE BLUNT- END LIGASE 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/802124 :15/03/2013 :U.S.A. :PCT/US2014/030003 :15/03/2014 :WO 2014/145269 :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)CHRISTIANS Frederick
Filing Date	:NA :NA	

#### (57) Abstract:

Thermostable blunt-end ligases suitable for use in nucleic acid ligation reactions at elevated temperatures are provided. The ligases comprise fusion proteins including a DNA ligase and a DNA binding protein, e.g., a T4 DNA ligase with an N-terminal p50 fusion. The fusion proteins may include peptide linkers, peptide mimetics, terminal additions, tag peptides, D-amino acids, sugars, non-amino acid organic moieties, and polymers. The ligases are suitable for use in ligation reactions, including uniform-temperature ligation reactions, performed at about  $60 \, \hat{A}^{\circ} \text{C}$  or higher, e.g., at about  $75 \, \hat{A}^{\circ} \text{C}$ . The ligases are suitable for use in nucleic acid amplification schemes with temperature cycling, e.g., temperature cycles to about  $60 \, \hat{A}^{\circ} \text{C}$  or higher, or temperature cycles from about  $94 \, \hat{A}^{\circ} \text{C}$  to about  $60 \, \hat{A}^{\circ} \text{C}$ . Such nucleic acid amplification schemes may include one, two, three, or more temperature cycles. Methods of using the ligases, and articles of manufacture comprising the ligases are provided.

No. of Pages: 90 No. of Claims: 29

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR RECONSTRUCTING CARDIAC ACTIVATION 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> </ul>	:13/840334 :15/03/2013 :U.S.A.	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  Address of Applicant:1111 Franklin St. 5th FLOOR Oakland California 94607 U.S.A.  2)TOPERA INC. (72)Name of Inventor:
Filing Date	:14/03/2014	2)TOPERA INC.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	3)SEHRA Ruchir

#### (57) Abstract:

An example system and method of reconstructing cardiac activation information are disclosed. An analysis signal and a reference signal are processed to determine whether there is a first point of change in a first selected-order derivative of the analysis signal with respect to a first selected-order derivative of the reference signal above a first threshold. The analysis signal and the reference signal are processed to determine whether there is a second point of change in a second selected-order derivative of the analysis cardiac signal above a second threshold. An activation onset time is assigned in the analysis cardiac signal at a point based on a mathematical association of the first point of change and the second point of change to define cardiac activation indicating a beat in the analysis cardiac signal.

No. of Pages: 50 No. of Claims: 41

(21) Application No.9213/DELNP/2015 A

(72)Name of Inventor:

2)SCHÜTZ Christian

1)PREMM Daniel

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD FOR BLACK START OF A POWER STATION COMPRISING A PLURALITY OF INVERTERS CONNECTABLE TO AN AC ELECTRICAL GRID

(51) International classification :H02J3/40,H02J3/44,H02J3/38 (71)Name of Applicant :
(31) Priority Document No :10 2013 102 603.6 :14/03/2013 | 1)SMA SOLAR TECHNOLOGY AG
Address of Applicant :Sonnenallee 1 34266 Niestetal Germany

(32) Priority Date :14/03/2013 (33) Name of priority country :Germany

(86) International Application No Filing Date :Germany: Germany: PCT/EP2014/055109: 14/03/2014

(87) International Publication No :WO 2014/140281

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

NA
:NA

Number :NA
Filing Date :NA

Λ

#### (57) Abstract:

In a method for black start of a power Station (1) comprising a plurality of inverters (2) connectable to a local AC electrical grid (5), a first AC voltage is built up in the AC electrical grid (5) by a first inverter (2), said first AC voltage being reduced in comparison with a rated voltage of the AC electrical grid (5) by at least a quarter, and at least one second inverter (2) is connected to the AC electrical grid (5) after synchronization with the first AC voltage. After connection of the second Converter (2), a second AC voltage, which is higher than the first AC voltage, is built up in the AC electrical grid (5).

No. of Pages: 31 No. of Claims: 20

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: IMPROVED ECG CALCULATION METHOD FOR USE IN GENERATING 12 LEAD ECG MEASUREMENTS FROM DEVICES THAT HAVE LESS THAN 10 ELECTRODES

:A61B5/0402,A61B5/0404 (71)Name of Applicant : (51) International classification (31) Priority Document No :13/830088 (32) Priority Date :14/03/2013 (33) Name of priority country :U.S.A. (86) International Application No :PCT/IL2014/050251 Filing Date :12/03/2014

(87) International Publication No :WO 2014/141252 (61) Patent of Addition to Application :NA Number

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

1)AMITAI David

Address of Applicant: 11 Ido St. 5223327 Ramat Gan Israel

2)AMITAI Assaf (72)Name of Inventor: 1)AMITAI David 2)AMITAI Assaf

#### (57) Abstract:

A method for generating an ECG measurement associated with a point on a patient"s body such as one of the precordial points is disclosed for use with an apparatus that cannot make contact with the leg and the point simultaneously. The method in cludes simultaneously recording a hand signal and a leg signal during a first time period. The hand signal is also measured during a second time period together with a chest signal corresponding to one of the precordial points. A signal representing the leg signal in the second time period is then computed from the first time period data. A reference signal is then generated from the hand signal and computed leg signal during the second time period. The reference signal is then combined with the chest signal to provide the corresponding precordial signal.

No. of Pages: 26 No. of Claims: 13

(21) Application No.9215/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR MAKING 2.5 FURANDICARBOXYLIC ACID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07D307/40 :61/782589 :14/03/2013 :U.S.A. :PCT/US2014/020482 :05/03/2014 :WO 2014/158838 :NA :NA	(71)Name of Applicant:  1)ARCHER DANIELS MIDLAND COMPANY Address of Applicant: 4666 Faries Parkway Decatur Illinois 62526 U.S.A. (72)Name of Inventor: 1)SANBORN Alexandra
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A process is described for converting HMF to FDCA, comprising dissolving a quantity of HMF in water to form an aqueous solution including HMF, combining the aqueous solution including HMF with an oxygen source in the presence of a homogeneous metal salt catalyst, but in the substantial absence of any solvent for the HMF and the homogeneous metal salt catalyst other than water, and under conditions which are effective for oxidizing HMF in the presence of the catalyst to form FDCA, and then recovering an FDCA precipitate.

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

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING TRANSCRANIAL MAGNETIC STIMULATION (TMS) TO A PATIENT

(31) Priority Document No :13/8 (32) Priority Date :14/0 (33) Name of priority country :U.S. (86) International Application No :PCT Filing Date :14/0 (87) International Publication No :WO (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	77/US2014/027900 (72)Name of Inventor: 1/03/2014 1)HELEKAR Santosh A. 2)VOSS Henning U.	
6		

#### (57) Abstract:

Apparatus for applying Transcranial Magnetic Stimulation (TMS) to a patient, wherein the apparatus comprises: a head mount for disposition on the head of a patient; and a plurality of magnet assemblies for releasable mounting on the head mount, wherein each of the magnet assemblies comprises a magnet for selectively providing a rapidly changing magnetic field capable of inducing weak electric currents in the brain of a patient so as to modify the natural electrical activity of the brain of the patient; wherein the number of magnet assemblies mounted on the head mount, their individual positioning on the head mount, and their selective provision of a rapidly changing magnetic field is selected so as to allow the spatial, strength and temporal characteristics of the magnetic field to be custom tailored for each patient, whereby to provide patient-specific TMS therapy, to assist in diagnosis or to map out brain function in neuroscience research. In one preferred form of the invention, each of the magnet assemblies comprises a magnet for selectively providing a rapidly changing magnetic field of at least 500 - 600 Tesla/second corresponding to a magnet movement speed of no less than 400 Hertz.

No. of Pages: 48 No. of Claims: 31

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: REFLECTOR SYSTEM FOR CONCENTRATING SOLAR 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>	:28/09/2012 :WO 2014/003804 :NA :NA :NA	(71)Name of Applicant:  1)SUNPOWER CORPORATION Address of Applicant: 77 Rio Robles San Jose CA 95134 U.S.A. (72)Name of Inventor: 1)SOUNNI Amine Berrada 2)ALMY Charles
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A solar concentrator assembly is disclosed. The solar concentrator assembly comprises a first reflective member a second reflective member a photovoltaic receiver comprising at least one photovoltaic solar cell unit and a support structure coupled to the first and second reflective members and the photovoltaic receiver. The first reflective member is shaped to concentrate sunlight in front of the first reflective member and has an edge region extending inward from an edge adjacent the second reflective member. The edge region is formed in a shape which curves away from the photovoltaic receiver near the first edge.

No. of Pages: 28 No. of Claims: 20

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN IMPROVED BRUCELLA ABORTUS S19 STRAIN FOR CONTROL OF BOVINE BRUCELLOSIS

(51) International classification	:A61K39/00,	(71)Name of Applicant:
(31) International classification	A61K39/10	1)Indian Council of Agricultural Research
(31) Priority Document No	:NA	Address of Applicant :Krishi Bhawan, Dr. Rajendra Prasad
(32) Priority Date	:NA	Road, New Delhi-110001, India Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Dr. Pallab Chaudhuri
Filing Date	:NA	2)Jonathan Lalsiamthara
(87) International Publication No	: NA	3)Tapas Goswami
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(FT) A1		·

#### (57) Abstract:

The present invention is directed to a recombinant DNA construct comprising a Brucella DNA fragment wherein upstream per gene sequence, kanamycin resistance gene and downstream per gene sequence are ligated together in that order to give a ligation construct that replaces nucleotides of the per gene occurring in isolated Brucella DNA. The invention also provides an attenuated Brucella bacterium strain comprising a Brucella bacterium having the per gene modified by partial or complete deletion of said per gene, wherein said Brucella bacterium is incapable of synthesizing perosamine synthetase. The invention further provides a modified plasmid comprising upstream per gene sequence, kanamycin resistance gene and downstream per gene sequence, and the method of making said modified plasmid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9220/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR INCREASED SEED YIELD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/788709 :15/03/2013 :U.S.A. :PCT/US2014/024626 :12/03/2014 :WO 2014/150948 :NA :NA	(71)Name of Applicant:  1)MONSANTO TECHNOLOGY LLC Address of Applicant:800 North Lindbergh Blvd. St. Louis MO 63167 U.S.A. (72)Name of Inventor: 1)OVADYA Dan 2)SMITH Kyle 3)OLTMANS DEARDORFF Sheilah 4)PEREZ Rockny
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods for manipulating yield and generation time of short day plants grown in a field environment are provided. The methods comprise manipulating external signals such as photoperiod in order to increase the per plant seed yield. Also provided are methods for synchronizing the flowering times of plants in different maturity groups.

No. of Pages: 40 No. of Claims: 38

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CLOSED LOOP ICE SLURRY REFRIGERATION SYSTEM

(51) International classification	:F25D17/02	(71)Name of Applicant:
(31) Priority Document No	:61/851921	1)FOODEXUS LLC
(32) Priority Date	:14/03/2013	Address of Applicant: 1060 West Bradley Road River Hills
(33) Name of priority country	:U.S.A.	WI 53217 U.S.A.
(86) International Application No	:PCT/US2014/026290	(72)Name of Inventor:
Filing Date	:13/03/2014	1)CLARK Peter J. III.
(87) International Publication No	:WO 2014/160310	
(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 closed loop refrigeration system comprises an ice slurry mixture which comprises ice, water, and a freezing point depressant. The system also comprises a first storage device for storing the ice slurry mixture, and an agitator disposed in the first storage device. The agitator agitates the ice slurry mixture in at least an intermittent manner. The system further comprises a first conduit connecting the first storage device and a heat load, and a first pump disposed on the first conduit for pumping the ice slurry mixture through the first conduit from the first storage device to the heat load. At least some of the ice melts in the heat load. The system also comprises a second conduit connecting the heat load and a second storage device. The second storage device is connected to the first storage device. The system further comprises a second pump disposed on the second conduit for pumping the ice slurry mixture containing the melted ice through the second conduit from the heat load to the second storage device.

No. of Pages: 38 No. of Claims: 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9222/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: IN -LINE TAILINGS TREATMENT PROCESS

:B01D21/01,B01D37/03 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ECOLAB USA INC. :13/798482 (32) Priority Date Address of Applicant: 370 N. Wabasha Street St. Paul :13/03/2013 (33) Name of priority country Minnesota 55102 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/015459 (72) Name of Inventor: Filing Date :09/02/2014 1)URBANI Carl N. (87) International Publication No :WO 2014/158374 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention is directed towards methods and compositions for improving the processing of mineral tailings. The method involves diverting a side stream from the main line of a tailings process flow. Into this side stream an additive such as a neat polymer without dilution is added and mixed and is then returned into the main line. By doing this only a portion of the overall tailings flow needs to undergo mixing yet the additive effectively treats the tailings. Even better the process avoids the need to add water to first invert and dilute the polymer additive. As a result tailings can be processed without incurring unnecessary mixing costs and unnecessary water addition.

No. of Pages: 21 No. of Claims: 12

(21) Application No.9096/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DOUBLE ACTION FLOAT VALVE

(51) International classification	:F16K31/20	(71)Name of Applicant:
(31) Priority Document No	:61/798996	1)ACOSTA Hugo Antonio Munoz
(32) Priority Date	:15/03/2013	Address of Applicant :Mj Bejarano #2 Col. Nombre De Dios
(33) Name of priority country	:U.S.A.	Chihuahua Chih CP 3150 Mexico
(86) International Application No	:PCT/IB2014/001263	(72)Name of Inventor:
Filing Date	:14/03/2014	1)ACOSTA Hugo Antonio Munoz
(87) International Publication No	:WO 2014/140937	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The double action float valve is connected to a single pipe and a tank and controls both the filling and discharge of the tank. The double action float valve utilizes a valve body, a heavy filling obturator positioned within the valve body, a light inverse obturator positioned within the heavy filling obturator, and a float connected to the heavy filling obturator. When the inflow pressure from the pipe is greater than the outflow pressure of the tank, the tank is filled until the float reaches a predetermined level. When the outflow pressure of the tank is greater than the inflow pressure, the double action float valve is automatically reconfigured to discharge the fluid from the tank into the pipe.

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPARATUS FOR TREATING A NEUROMUSCULAR DEFECT

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)THE CLEVELAND CLINIC FOUNDATION
(32) Priority Date	:NA	Address of Applicant :9500 Euclid Avenue Cleveland Ohio
(33) Name of priority country	:NA	44195 U.S.A.
(86) International Application No	:PCT/US2013/029583	(72)Name of Inventor:
Filing Date	:07/03/2013	1)PAPAY Francis A.
(87) International Publication No	:WO 2014/137344	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One aspect of the present disclosure relates to a treatment probe comprising an elongated body member and a needle portion. The elongated body member can have a proximal end portion and a distal end portion. The needle portion can be connected to the distal end portion. The needle portion can include at least one electrode and at least one fluid port. The at least one electrode and the at least one fluid port can be configured to deliver electrical energy and a tumescent fluid, respectively, so that superficial tissue planes overlying a target nerve are protected from inadvertent heat damage as a result of application of electrical energy to a target nerve.

No. of Pages: 39 No. of Claims: 10

1)MAGNADRIVE CORPORATION

Suite 100 Woodinville Washington 98072 U.S.A.

Address of Applicant: 14660 Northeast Woodinville Way

(19) INDIA

(22) Date of filing of Application :03/10/2015

(43) Publication Date: 05/02/2016

### (54) Title of the invention: APPARATUS, SYSTEMS, AND METHODS FOR MONITORING ELEVATED TEMPERATURES IN ROTATING COUPLINGS AND DRIVES

(51) International :H02K49/04,H02K11/00,H02K49/02 classification

(31) Priority Document No :61/786223 (32) Priority Date :14/03/2013

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

country

(86) International :PCT/US2014/026510 Application No

:13/03/2014 Filing Date

(87) International

:WO 2014/151823 Publication No

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

**Application Number** :NA Filing Date

2)TOMCZAK Mike 3)LEE Jeongkwan

4)KNUDSEN Stephen

(71)Name of Applicant:

(72)Name of Inventor:

1)DURLAND Dan

#### (57) Abstract:

A system to continuously and redundantly monitor a magnetic drive system includes temperature sensors coupled to the magnetic drive system. The temperature sensors are coupled to a transmitter, which generates output signals representing the temperatures of the temperature sensors. The system includes a transreceiver and a controller, where the transreceiver is coupled to the transmitter and configured to receive the output signals of the transmitter. The controller is communicatively coupled to the transreceiver and the magnetic drive system and is configured to control operation of the magnetic drive system based on one or more signals received from the transreceiver.

No. of Pages: 33 No. of Claims: 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9099/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: JAK2 AND ALK2 INHIBITORS AND METHODS FOR THEIR USE

(51) International

:C07D401/14,C07D239/48,A61K31/506

classification (31) Priority Document

:61/785460

(32) Priority Date :14/03/2013

(33) Name of priority country

:U.S.A.

(86) International

:PCT/US2014/026595

Application No

:13/03/2014

Filing Date (87) International

:WO 2014/151871

Publication No

(61) Patent of Addition to :NA :NA

:NA

**Application Number** Filing Date

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

Filing Date

(71)Name of Applicant:

1)TOLERO PHARMACEUTICALS INC.

Address of Applicant :2975 W. Executive Parkway Suite 320

Lehi Utah 84043 U.S.A.

(72)Name of Inventor:

1)MOLLARD Alexis

2)WARNER Steven L.

3)FLYNN Gary A.

4)VANKAYALAPATI Hariprasad

5)BEARSS David J.

#### (57) Abstract:

Compounds having activity as inhibitors of ALK2 kinase and/or JAK2 kinase are disclosed. The compounds have the following structure (I): [FORMULASHOULD BE INSERTED HERE] including stereoisomers, tautomers, pharmaceutically acceptable salts and prodrugs thereof, wherein R1, R2, R3, R4, R5, R6, R7, R8, X, z and A are as defined herein. Methods associated with preparation and use of such compounds, as well as pharmaceutical compositions comprising such compounds, are also disclosed.

No. of Pages: 117 No. of Claims: 49

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS FOR SOLVENTLESS BONDING OF METALLURGICAL COMPOSITIONS

(51) International classification	:B22F1/00,C22C33/02	(71)Name of Applicant :
(31) Priority Document No	:61/781331	1)HOEGANAES CORPORATION
(32) Priority Date	:14/03/2013	Address of Applicant :1001 Taylors Lane Cinnaminson NJ
(33) Name of priority country	:U.S.A.	08077 U.S.A.
(86) International Application No	:PCT/US2014/023002	(72)Name of Inventor:
Filing Date	:11/03/2014	1)NARASIMHAN Kalathur S.
(87) International Publication No	:WO 2014/159318	2)SCHADE Christopher T.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	37.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is directed to methods of preparing a bonded metallurgical powder composition comprising melting a binding agent and blending the melted binding agent with a metallurgical powder mixture, in the substantial absence of solvent, for a time sufficient to form the bonded metallurgical powder composition. Bonded metallurgical powder compositions prepared using these methods are also described, as well as compacted powder metallurgical parts prepared using them.

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

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : CHROMATOGRAPHY APPARATUS HAVING DIFFUSION-BONDED AND SURFACE-MODIFIED 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> </ul>	:C07C :61/317,767 :26/03/2011 :U.S.A. :PCT/US2011/029934 :25/03/2011 :WO 2011/119922	(71)Name of Applicant:  1)WATERS TECHNOLOGIES CORPORATION Address of Applicant: 34 Maple Street Milford MA 01757 U.S.A. (72)Name of Inventor: 1)BERNARD BUNNER 2)THEODORE A. DOURDEVILLE
<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 2011/119922 :NA :NA :NA :NA	2)THEODORE A. DOURDEVILLE

#### (57) Abstract:

A microfluidic device for separating a sample by chromatography includes diffusion bonded metallic sheets joined together to create a hermetically sealed interface between each adjacent metallic sheet without the introduction of a secondary material. Enclosed within the diffusion bonded sheets is a separation channel accessible by at least one of an inlet or an outlet. The separation channel is packed with micrometer-sized particles serving as a stationary phase in a chromatographic separation. Wetted surfaces of the separation channel include a coating of an organic material at least one monolayer thick.

No. of Pages: 40 No. of Claims: 35

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BEVERAGES CONTAINING RARE SUGARS

(51) International classification	:A23L2/60,A23L1/236	(71)Name of Applicant :
(31) Priority Document No	:61/783073	1)THE COCA COLA COMPANY
(32) Priority Date	:14/03/2013	Address of Applicant :One Coca cola Plaza NW Atlanta GA
(33) Name of priority country	:U.S.A.	30313 U.S.A.
(86) International Application No	:PCT/US2014/027747	(72)Name of Inventor:
Filing Date	:14/03/2014	1)PRAKA Indra
(87) International Publication No	:WO 2014/152791	2)HIGIRO Juvenal
(61) Patent of Addition to Application	:NA	3)SCOTT Robert
Number	:NA	4)MA Gil
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Beverages comprising rare sugars and sweetness enhancers are provided herein, wherein the sweetness enhancers are present at or below the sweetness recognition threshold concentration. Also provided are methods for improving the sweetness of a beverage comprising rare sugars by adding a sweetness enhancer in a concentration at or below its sweetness recognition threshold. Beverages comprising natural high potency sweeteners and rare sugars with sugar-like characteristics are also provided, wherein the natural high potency sweetener and rare sugars are present in particular weight ratios.

No. of Pages: 100 No. of Claims: 47

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: POLYPROPYLENE COMPOSITION WITH IMPROVED IMPACT RESISTANCE FOR PIPE **APPLICATIONS**

(51) International classification :C08L23/14,C08F2/00,F16L9/12 (71) Name of Applicant:

(31) Priority Document No :13002099.3 (32) Priority Date :22/04/2013

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2014/001068

Filing Date :22/04/2014

(87) International Publication No: WO 2014/173530

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

Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)ABU DHABI POLYMERS CO. LTD (BOROUGE) L.L.C.

Address of Applicant : Sheikh Khalifa Energy Complex

Corniche Road P.O. Box 6925 Abu Dhabi U.A.E.

2)BOREALIS AG (72)Name of Inventor: 1)HEDESIU Cristian 2)ALASTALO Kauno

#### (57) Abstract:

The present invention relates to a polypropylene composition comprising a multimodal propylene random copolymer with at least one comonomer selected from alpha-olefins with 2 or 4 to 8 carbon atoms, wherein the polypropylene composition has a melt flow rate MFR2 (2. 16 kg, 230ŰC) of 0.05 to 1.0 g/10 min, determined according to ISO 1133, a polydispersity index (PI) of 2.0 to 7.0, and a Charpy Notched Impact Strength at 0°C of more than 4.0 kj/m 2, determined according to ISO 179/leA:2000 using notched injection moulded specimens, a process for producing said polypropylene composition, an article comprising said polypropylene composition and the use of said polypropylene composition for the production of an article.

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

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : PCR THERMAL BLOCK WITH PATTERN HEATERS REPEATEDLY ARRANGED AND PCR APPARATUS INCLUDING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:1020130028772 :18/03/2013 :Republic of Korea :PCT/KR2014/002284 :18/03/2014	(72)Name of Inventor:
<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 2014/148800 :NA :NA :NA :NA	1)KIM Sung Woo 2)LEE Jung Hwan 3)KIM Duck Joong

#### (57) Abstract:

An embodiment of the present invention relates to a PCR thermal block with pattern heaters repeatedly arranged and a PCR apparatus including the same, wherein the thermal block with heaters repeatedly arranged prevents radial thermal distribution generated from each heater and irregular thermal overlapping caused thereby between adjacent heaters so as to improve the PCR yield and to eliminate an additional temperature adjustment means, thus making the apparatus small and integrated. Furthermore, the thermal block with heater units repeatedly arranged and the plate-like PCR reaction part are used to simultaneously and quickly amplify a plurality of nucleic acid samples, and to continuously measure the optical signal or electrochemical signal so as to check the process of amplifying the nucleic acid in real time.

No. of Pages: 59 No. of Claims: 17

(21) Application No.9243/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: PROCESS AND SYSTEM FOR PREPARING DRY MILK FORMULAE

(51) International classification	:A23C9/142,A23C9/15,A23L1/29	(71)Name of Applicant:
(31) Priority Document No	:PCT/NL2013/050249	1)N.V. NUTRICIA
(32) Priority Date	:03/04/2013	Address of Applicant :Eerste Stationsstraat 186 NL 2712 HM
(33) Name of priority country	:Netherlands	Zoetermeer Netherlands
(86) International Application No Filing Date	:PCT/NL2014/050203 :03/04/2014	(72)Name of Inventor: 1)TOBIN John 2)CHIARANAIPANICH Jitti
(87) International Publication No	:WO 2014/163494	3)VERDURMEN Rudolph Eduardus Maria 4)JANSSEN Antonius Hendricus
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)RABARTIN Olivier Bertrand 6)MOONEN Raoul Charles Johan 7)VAN DER HOEVEN Martijn Johannes
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a process for treating animal skim milk and sweet whey and/or acid whey, comprising: (a) ultrafiltration (UF1) of a first liquid composition comprising animal skim milk with 70 -90 wt% casein and 10 -30 wt% whey proteins, based on total protein, over a first ultrafiltration membrane having a molecular weight cut-off of 2.5 -25 kDa using a volume concentration factor of 1.5 - 6 to obtain a retentate (UFR1) and a permeate (UFP 1); (b) ultrafiltration (UF2) of a second liquid composition comprising sweet whey and/or acid whey over a second ultrafiltration membrane having a molecular weight cut-off of 2.5 -25 kDa using a volume concentration factor of 2 - 15 to obtain a retentate (UFR2) and a permeate (UFP2); and (c) mixing the UF retentate originating from step (a) with the UF retentate originating from step (b) to obtain a mixture of UF retentates.

No. of Pages: 71 No. of Claims: 20

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CATALYSTS AND METHODS FOR ALCOHOL DEHYDRATION

(51) International classification	:B01J37/08,B01J37/22,B01J37/24	(71) Name of Applicant •
(31) Priority Document No	:61/803891	1)DOW GLOBAL TECHNOLOGIES LLC
(32) Priority Date	:21/03/2013	Address of Applicant :2040 Dow Center Midland MI 48674
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application	:PCT/US2014/025232	(72)Name of Inventor:
Filing Date	:13/03/2014	1)BARTON David G. 2)CHOJECKI Adam
(87) International Publication No	:WO 2014/151220	3)ELOWE Paul R. 4)KILOS Beata A.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)CIESZLAK Adam S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a process for preparing a diaryl ether compound through the dehydration of an aromatic alcohol compound in the presence of a halogenated rare earth element oxide catalyst, providing a reaction vessel having loaded therein a rare earth element oxide; halogenating the rare earth element oxide with a halogen source to form an activated catalyst; and dehydrating an aromatic alcohol compound over the activated catalyst to form the diaryl ether compound, where the halogenating and dehydrating steps occur in the same vessel. The rare earth element oxide is an oxide of a light rare earth element, an oxide of a medium rare earth element, an oxide of a heavy rare earth element, an oxide of yttrium, or a mixture of two or more thereof.

No. of Pages: 30 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9093/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: ARRANGEMENT HAVING A SEAL

:NA

:NA

:NA

(51) International classification: F16J15/00,F16J13/08,F04D29/52 (71) Name of Applicant: :10 2013 208 357.2 1) SIEMENS AKTIENGESELLSCHAFT (31) Priority Document No (32) Priority Date :07/05/2013 Address of Applicant: Wittelsbacherplatz 2 80333 Mýnchen (33) Name of priority country :Germany Germany (86) International Application (72) Name of Inventor: :PCT/EP2014/058058 No 1)ZACHARIAS Wolfgang :22/04/2014 Filing Date (87) International Publication :WO 2014/180650 (61) Patent of Addition to :NA

Filing Date (57) Abstract :

Number

**Application Number** 

Filing Date

(62) Divisional to Application

The invention relates to an arrangement having a seal, comprising: a casing (CAS), a cover (COV), and at least one seal. In order to ensure damage-free installation of the cover and simultaneously simplify the installation process itself, as well as to guarantee good sealing, according to the invention the arrangement has a seal carrier (SC), the seal carrier (SC) has a first radial groove (PRG) extending in the circumferential direction and having a radial depth direction, in which first radial groove (PRG) a first radial seal (PRS) is arranged, which seals against a radially inward surface (RIS) of the casing (CAS), the seal carrier (SC) has a first axial groove (PAG) extending in the circumferential direction and having an axial depth direction, in which first axial groove(PAG) a first axial seal (PAS) is arranged, which seals against an axial surface (AOS) of the cover (COV).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9094/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ELEMENT FOR INHALING MEDICINAL SUBSTANCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61M15/08 :RM2013A000132 :06/03/2013 :Italy :PCT/IT2014/000067 :06/03/2014 :WO 2014/136135	(71)Name of Applicant:  1)HSD HOLDING SMART DEVICE S.R.L. Address of Applicant: Via Nicolo Porpora 9 1 00198 Roma Italy (72)Name of Inventor: 1)NARCISO Paolo
	•	· ·
Filing Date (87) International Publication No (61) Patent of Addition to Application	:06/03/2014	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an inhaler element (1), to be inserted inside a nasal cavity for inhaling medicinal substances, characterized in that it comprises, inside, a dispensing device (2), said dispensing device (2) providing a convergent conduct (3) for inlet of respiration flow and a divergent conduct (6) for exit of respiration flow, and storage means (4, 5; 7) for the substance to be inhaled, said storage means being provided in flow communication substantially in correspondence of the transition zone between said convergent conduct (3) and said divergent conduct (0) of said dispensing device (2).

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: RIFAXIMIN FOR USE IN THE TREATING OF VAGINAL INFECTIONS.

(51) International classification :A61K31/437,A
(31) Priority Document No :61/794323
(32) Priority Date :15/03/2013
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2014/059400

Filing Date :03/03/2014
(87) International Publication No :WO 2014/140988

(61) Patent of Addition to Application

Number :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA

:A61K31/437,A61P15/02 (71)Name of Applicant :

1)ALFA WASSERMANN S.P.A.

Address of Applicant :1 Via Enrico Fermi 1 65020 Alanno

(pescara) Italy

(72)Name of Inventor:

1)VISCOMI Giuseppe Claudio

2) CALANNI Fiorella

#### (57) Abstract:

This invention relates to rifaximin for use in the treatment of bacterial vaginal infections. The invention also relates to the use for treating infections characterized by the presence of bacteria that may be clindamycin and/or metromdazole resistant. The invention also relates to the use of rifaximin to treat patients with vaginal infections who have relapsed following prior treatment or who have bacteria resistant to antibiotics other than rifaximin.

No. of Pages: 41 No. of Claims: 21

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: A METHOD AND SYSTEM OF UPDATING CONVERSATION ALLOCATION IN LINK **AGGREGATION**

(51) International :H04L12/891,H04L12/823,H04L12/801

classification

(31) Priority Document :61/815203

(32) Priority Date :23/04/2013 (33) Name of priority :U.S.A.

country

(86) International

:PCT/SE2014/050282 Application No :07/03/2014

Filing Date

(87) International

**Publication No** 

:WO 2014/175804

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

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant: S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)SALTSIDIS Panagiotis

2)FARKAS Janos

3)GERÃ-BalÃ;zs Peter

#### (57) Abstract:

Filing Date

A method of updating conversation allocation in link aggregation is disclosed. The method starts with verifying that an implementation of a conversation-sensitive link aggregation control protocol (LACP) is operational at a network device of a network for an aggregation port. Then it is determined that operations through enhanced link aggregation control protocol data units (LACPDUs) are possible. The enhanced LACPDUs can be used for updating conversation allocation information, and the determination is based at least partially on a compatibility check between a first set of operational parameters of the network device and a second set of operational parameters of a partner network device. Then a conversation allocation state of an aggregation port of the link aggregation group is updated based on a determination that the conversation allocation state is incorrect, where the conversation allocation state indicates a list of conversations transmitting through the aggregation port.

No. of Pages: 59 No. of Claims: 29

(22) Date of filing of Application :19/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PRINTHEAD INCLUDING PARTICULATE TOLERANT FILTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:19/04/2011 :WO 2011/136978 :NA	(71)Name of Applicant:  1)EASTMAN KODAK COMPANY Address of Applicant: 343 State Street Rochester NY 14650-2201Â U.S.A. (72)Name of Inventor: 1)RAJESH VINODRAI MEHTA 2)GERARDO ALI LOPEZ 3)CHUEN KAM NG 4)HRISHIKESH V PANCHAWAGH
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A printhead includes a nozzle plate (49), a filter (loo), and a plurality of walls. Portions of the nozzle plate (49) defme a plurality of nozzles (50). The filter, for example, a filter membrane, includes a plurality of pores grouped in a plurality of pore clusters (120). Each of the plurality of walls extends fkom the nozzle plate to the filter membrane to defme a plurality of liquid chambers (53) positioned between the nozzle plate and the filter membrane. Each liquid chamber of the plurality of liquid chambers is in fluid communication with a respective one of the plurality of nozzles. Each liquid chamber of the plurality of liquid chambers is in fluid communication with the plurality of pores of a respective one of the plurality of pore clusters. The respective one of the plurality of pore clusters includes two pore sub-clusters (125) spaced apart fkom each other by a non-porous portion (1 30) of the filter membrane.

No. of Pages: 40 No. of Claims: 12

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SPUTTERING TARGET HAVING INCREASED POWER COMPATIBILITY

(51) International classification (31) Priority Document No	:H01J37/34,C23C14/34 :61/809524	(71)Name of Applicant: 1)OERLIKON SURFACE SOLUTIONS AG TRÜBBACH
(32) Priority Date	:08/04/2013	Address of Applicant :Hauptstrasse 53 CH 9477 Trù/4bbach
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/EP2014/000927	(72)Name of Inventor:
Filing Date	:07/04/2014	1)KRASSNITZER Siegfried
(87) International Publication No	:WO 2014/166620	2)HAGMANN Juerg
(61) Patent of Addition to Application	:NA	3)KERSCHBAUMER Joerg
Number	:NA	
Filing Date	NIA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a plate centering System, comprising a plate having a holder, wherein the plate is centered in the holder both at room temperatures and at higher temperatures, independently of the heat expansion of the plate and the holder, and wherein the plate can freely expand in the holder at higher temperatures. The invention relates in particular to a target having a target comprising a frame-shaped target mount, which is very well suited in a coating source for high power impulse magnetron sputtering of the target.

No. of Pages: 23 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9249/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : CENTERING OF A PLATE IN A HOLDER BOTH AT ROOM TEMPERATURES AND AT HIGHER TEMPERATURES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (37) Priority Date (38) International Application No Filing Date (39) International Publication No Filing Date (30) Divisional to Application Number Filing Date (30) Priority Date (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Priority Date (35) Priority Date (36) Priority Date (37) Name of Applicant:  (31) Priority Document No (32) Priority Date (33) Name of priority country (34) Address of Applicant: Hauptstrasse 53 CH 9477 Trübbach (35) Switzerland (37) Name of Inventor: (37) Name of Applicant: (31) Priority Date (32) Priority Date (33) Name of priority country (34) Address of Applicant: Hauptstrasse 53 CH 9477 Trübbach (37) Name of Inventor: (38) Name of Applicant: (39) Priority Date (30) Priority Date (31) Priority Date (31) Priority Date (32) Priority Date (33) Name of priority country (42) Name of Inventor: (47) Name of Applicant: (48) Name of Applicant: (48) Name of Applicant	Priority Do Priority Do Name of p Internation Filing Dat Internation Patent of Anber Filing Dat Divisional	ority Document No ority Date me of priority country ernational Application No ing Date ernational Publication No ent of Addition to Application ing Date visional to Application Number	:61/809524 :08/04/2013 :U.S.A. :PCT/EP2014/000928 :07/04/2014 :WO 2014/166621 :NA :NA	1)OERLIKON SURFACE SOLUTIONS AG TRÜBBAC Address of Applicant :Hauptstrasse 53 CH 9477 Trù/4bbach Switzerland (72)Name of Inventor :
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#### (57) Abstract:

The invention relates to a System comprising a plate having a holder, wherein the plate is centered in the holder both at room temperatures and at higher temperatures, independently of the thermal expansion of the plate and the holder, and wherein the plate can freely expand in the holder at higher temperatures.

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

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

:F02M47/02,F02M63/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2013 206 383.0 1)ROBERT BOSCH GMBH (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :11/04/2013 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/052642 (72) Name of Inventor: Filing Date :11/02/2014 1)KRESCHEL Henning (87) International Publication No :WO 2014/166651 2)RAPP Holger (61) Patent of Addition to Application 3)SCHWARZ Thomas :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a fuel injection valve for internal Fig. 1 combustion engines for injecting highly pressurized fuel, comprising a pressure Chamber (14) and a control valve (30) formed in a valve body (4). A nozzle needle (10) is arranged in the pressure Chamber (14) in a longitudinally movable manner, said nozzle needle interacting with a nozzle seat (13) by means of the longitudinal movement of the nozzle needle and thereby opening and closing at least one injection opening (12). The nozzle needle (10) is subjected to a closing force directed in the direction of the nozzle seat (13) as a result of the pressure in a control Chamber (20). The pressure in the control Chamber (20) can be adjusted by means of the control valve (30), said control valve (30) comprising a control valve Chamber (31) which can be connected to the control Chamber (20) and in which a control valve element (34) is arranged in a longitudinally movable manner. An outlet throttle (1) connects the control Chamber (20) to the control valve Chamber (31), and an inlet throttle (3) connects the control Chamber (14) to the valve Chamber (31) in a switchable manner. The control valve Chamber (31) can be connected to the control Chamber (20) by means of a bypass (2), wherein the control valve element (34) can open and close the bypass (2) and the inlet throttle (3).

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

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

(43) Publication Date: 05/02/2016

# (54) Title of the invention : BLOCK PRODUCTS INCORPORATING SMALL PARTICLE THERMOPLASTIC BINDERS AND METHODS 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> </ul>	:B01D24/00 :61/821980 :10/05/2013 :U.S.A. :PCT/US2014/037223 :08/05/2014 :WO 2014/182861 :NA :NA	(71)Name of Applicant: 1)ARKEMA INC. Address of Applicant:900 First Avenue King of Prussia Pennsylvania 19406 U.S.A. (72)Name of Inventor: 1)KOSLOW Evan E.
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

A block product comprising a thermoplastic binder having an average particle size of less than 20 micrometers fused with active particles to form a generally coherent porous structure. In some cases the average particle size of the binder is less than 12 micrometers. In some cases the active particles are activated carbon particles. In some cases the block product may include one or more of poly(vinylidene difluoride) binders nylon 11 and nylon 12 or other odd numbered polyamides having such small particle size.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9057/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention : "CHEST COOLER†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:30/03/2011 :WO 2011/123487	(71)Name of Applicant:  1)THE COCA-COLA COMPANY Address of Applicant: Patents One Coca-Cola PlazaÂ NW Atlanta Georgia 30313 U.S.A. (72)Name of Inventor: 1)JURGEN ROEKENS
		S S
. ,		
(87) International Publication No	:WO 2011/123487	
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present application and the resultant patent provide a chest cooler for dispensing a number of products. The chest cooler may include an outer frame, a number of product compartments within the outer frame, an upper door, and a front door. The front door may include a transparent panel. Some or all of the products are accessible via either the upper door or the front door and visible through the transparent panel

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

(21) Application No.9059/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : INDIGESTIBLE POLYMER: STARCH ACETATE -BASED FILM COATINGS FOR COLON TARGETING

<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>	:C08F :10305452.4 :28/04/2010 :EPO :PCT/EP2011/056794 :28/04/2011 :WO 2011/135055 :NA :NA :NA	(71)Name of Applicant:  1)ROQUETTE FRERES  Address of Applicant: F-62136 Lestrem France (72)Name of Inventor:  1)SIEPMANNÂ Juergen  2)KARROUT Youness  3)GUERIN-DEREMAUX Laëtitia  4)KLAEYLE JérÃ′me  5)WILS Daniel
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## (57) Abstract:

The present invention provides a colon targeted delivery dosage form for controlled release of an active ingredient  $\hat{A}$  comprising an active ingredient coated in a polymeric mixture of: a water insoluble polymer composition containing at least a starch acetate  $\hat{A}$  and an indigestible polysaccharides composition. The present invention also relates to the use and method for making the same.

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

(21) Application No.9230/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: NUCLEIC ACID AMPLIFICATION

(51) International :C12N15/10,C12N15/11,C12Q1/68

classification

(31) Priority Document No :61/800340 (32) Priority Date :15/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/030028

No

:15/03/2014 Filing Date

(87) International Publication

:WO 2014/145291

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

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

Filing Date

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

Address of Applicant: 1701 Page Mill Rd Palo Alto CA 94304

U.S.A.

(72) Name of Inventor:

1)PATEL Pranav

#### (57) Abstract:

Methods and compositions for the amplification of nucleic acids are disclosed. Amplification methods provided herein may be performed under isothermal conditions. Methods and compositions may include reagents such as restriction enzymes, polymerases, ligases, primers, and polynucleotide adaptors.

No. of Pages: 123 No. of Claims: 97

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF OXIDIZING MERCURY IN FLUE GAS

(51) International classification	:F23J15/02,B01D53/34	(71)Name of Applicant:
(31) Priority Document No	:61/798573	1)ECOLAB USA INC.
(32) Priority Date	:15/03/2013	Address of Applicant :370 N. Wabasha Street St. Paul MN
(33) Name of priority country	:U.S.A.	55102 U.S.A.
(86) International Application No	:PCT/US2014/022612	(72)Name of Inventor:
Filing Date	:10/03/2014	1)KEISER Bruce A.
(87) International Publication No	:WO 2014/150217	2)MIMNA Richard
(61) Patent of Addition to Application	:NA	3)ERGANG Nicholas S.
Number	:NA	4)DORNER Robert W.
Filing Date	IVA	5)YUAN Jianwei
(62) Divisional to Application Number	:NA	6)CHEN Hung Ting
Filing Date	:NA	

#### (57) Abstract:

Methods for facilitating the removal of mercury from flue gases by converting elemental mercury to oxidized mercury and subsequently capturing the oxidized mercury. In one aspect, a method of removing mercury from a mercury -containing flue gas may include the steps of introducing into the flue gas a sulfide source in an effective amount to convert elemental mercury to gaseous oxidized mercury and then capturing the gaseous oxidized mercury.

No. of Pages: 29 No. of Claims: 19

(21) Application No.9232/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLID FORMS OF 5- (HALOMETHYL) FURFURAL

:C07D307/48,C07D307/50	(71)Name of Applicant :
:61/785749	1)MICROMIDAS INC.
:14/03/2013	Address of Applicant :930 Riverside Parkway Suite 10 West
:U.S.A.	Sacramento CA 95605 U.S.A.
:PCT/US2014/024940	(72)Name of Inventor:
:12/03/2014	1)BROWNING Shawn M.
:WO 2014/159738	2)MASUNO Makoto N.
·NA	3)BISSELL John
	4)NICHOLSON Benjamin F.
.NA	5)HIRSCH WEIL Dimitri A.
:NA	6)SMITH Ryan L.
:NA	
	:61/785749 :14/03/2013 :U.S.A. :PCT/US2014/024940 :12/03/2014 :WO 2014/159738 :NA :NA

# (57) Abstract:

Provided are solid forms of 5-(halomethylfurfural, including a crystalline form of 5- (cUoromethyl)furfural. Provided are also methods for preparing solid forms of 5- (halomethyl) furfural by crystallization using certain solvents.

No. of Pages: 40 No. of Claims: 20

(21) Application No.9233/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: INFANT FORMULA WITH A LOW CONTENT OF MEDIUM -CHAIN FATTY ACIDS IN SPECIFIC PROPORTIONS AND ITS USE IN PROMOTING AND/OR ENSURING A BALANCED GROWTH IN INFANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:13163184.8 :10/04/2013 :EPO	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestlé 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)DESTAILLATS Frederic 2)NAGY Kornél 3)THAKKAR Sagar
		()
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention concerns a synthetic infant formula composition with a low content of medium-chain fatty acids in specific proportions. This composition is for infants, preferably preterm infants. This composition has been designed to promote and/or ensure a balanced growth.

No. of Pages: 33 No. of Claims: 9

(22) Date of filing of Application :07/10/2015

(43) Publication Date: 05/02/2016

## (54) Title of the invention: FABRIC IN PARTICULAR MADE OF CARBON YARNS HAVING LOW THICKNESS VARIABILITY COMBINED WITH A SPECIFIC BASIS WEIGHT RANGE

:D06C15/00,D03C15/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :1352122 (32) Priority Date :08/03/2013 (33) Name of priority country :France

(86) International Application No :PCT/FR2014/050508 Filing Date :06/03/2014

(87) International Publication No :WO 2014/135805

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

1)HEXCEL REINFORCEMENTS

Address of Applicant : Zone Industrielle La Plaine F 01120

Dagneux France

(72) Name of Inventor: 1)BERAUD Jean Marc 2)BRUYERE Alain

#### (57) Abstract:

The invention concerns a fabric composed of warp yarns and weft yarns, characterized by one of the following combinations of features: - a basis weight which is equal to or greater than 40 g m2 and less than 100 g/m2 and a standard thickness variance measured on a pile of three identical fabrics disposed one on top of the other and in the same direction which is equal to or o less than 35u m; a basis weight which is equal to or greater than 100 g/m2 and equal to or less than 160 g/m2 and a standard thickness variance measured on a pile of three identical fabrics disposed one on top of the other and in the same direction which is equal to or less than 50 um; a basis weight which is greater than 160 g/m 2 and equal to or less than 200 g/m2 and a standard thickness variance measured on a pile of three identical fabrics disposed one on top of the other and in the same direction which is equal to or less than 60 um; or a basis weight which is greater than 200 g/m2 and equal to or less than 400 g/m2 and a standard thickness variance measured on a pile of three identical fabrics disposed one on top of the other and in the same direction which is equal to or less than 90 um. The invention is further characterized in that the warp yarns and/or the weft yarns consist of an assembly of filaments which can move freely relative to each other within the yarn.

No. of Pages: 38 No. of Claims: 19

(21) Application No.9246/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INOCULANT WITH SURFACE 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>	:13/52419 :19/03/2013 :France	(71)Name of Applicant: 1)FERROPEM Address of Applicant:517 avenue de la Boisse F 73000 Chambery France (72)Name of Inventor: 1)MARGARIA Thomas 2)FAY Aurélie
(62) Divisional to Application Number Filing Date	:NA :NA	
		·

#### (57) Abstract:

The invention relates to a particulate inoculant for treating a melt in a liquid phase, comprising support particles in a meltable material in the liquid melt, and surface particles in a material that stimulates the nucleation and growth of graphite, that are arranged and distributed discontinuously on the surface of the support particles, the surface particles having a particle size distribution such that the d50 thereof is lower than, or equal to, a tenth of the d50 of the support particles.

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

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AUTOMATIC TELLER MACHINE AND DEFLECTION CORRECTING APPARATUS THEREOF

Filing Date :NA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:02/07/2013 :WO 2014/173013 :NA :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)WANG Peng 2)LI Zhe
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#### (57) Abstract:

The present invention provides a deflection correcting apparatus. The apparatus comprises a bill operation channel consisting of a first channel plate and a second channel plate. A bill passes through the bill operation channel and is gradually delivered by a deflection correcting wheel in the bill operation channel to be close to a standard wall. When the bill is close to the standard wall the bill is delivered into an adjusting wheel. The adjusting wheel and the deflection correcting wheel drive together to deliver the bill and a rotating line speed of the adjusting wheel is higher than a rotating line speed of the deflection correcting wheel. Because that the delivery direction of the deflection correcting wheel is deflected from the standard wall, the front end of the bill delivery direction is gradually close to the standard wall, at this time, the adjusting wheel with a higher line speed corrects the bill, the bill is slowly away from the front end of the standard wall and the tail end of the bill is gradually close to the standard wall. When the tail end of the bill is attached to the standard wall, the bill is delivered continuously and set right gradually, thereby implementing direct guiding of the deflection correcting wheel on the bill, and reducing the delivery space during correction of the bill is reduced. The present invention also provides an automatic teller machine.

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

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: OPTICAL IMAGING SYSTEM WITH MULTIPLE IMAGING CHANNEL OPTICAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61M5/168 :13/828744 :14/03/2013 :U.S.A. :PCT/US2014/026284 :13/03/2014 :WO 2014/160307 :NA :NA	(71)Name of Applicant:  1)BAXTER INTERNATIONAL INC. Address of Applicant: 1 Baxter Parkway Deerfield Illinois 60015 U.S.A.  2)BAXTER HEALTHCARE S.A. (72)Name of Inventor: 1)MUNRO James F.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An optical imaging system for use with an infusion tube including: at least one light source for emitting at least two of first, second, or third spectrums of light; an optics system including a single lens for receiving and transmitting at least two of the first spectrum light transmitted through a first portion of the chamber, the second spectrum light transmitted through a second portion of the chamber, or the third spectrum light transmitted through a third portion of the chamber. The system includes a sensor receiving the at least two of the spectrums. The system includes a memory element storing computer readable instructions and a processor to execute the instructions to generate, using the data, at least two of first, second, or third images of the first, second, and third portions, respectively.

No. of Pages: 62 No. of Claims: 38

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TRACKING POWER SUPPLY WITH INCREASED BOOST CAPABILITY

(51) International classification	:H03F1/02	(71)Name of Applicant :
(31) Priority Document No	:13/797473	1)THX LTD
(32) Priority Date	:12/03/2013	Address of Applicant :1255 Battery Street Suite 100 San
(33) Name of priority country	:U.S.A.	Francisco CA 94111 U.S.A.
(86) International Application No	:PCT/US2014/021823	(72)Name of Inventor:
Filing Date	:07/03/2014	1)JONES Owen
(87) International Publication No	:WO 2014/164309	2)FINCHAM Lawrence R.
<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 tracking power supply for one or more amplifiers includes one or more cascaded sets of power boost circuits to temporarily boost the positive and/or negative power supply rail, respectively. Each power boost circuit may include a gain element and an energy source such as a capacitor or battery, and the power boost circuits are linked to provide a greater degree of voltage boost when needed. An optional control circuit monitors amplifier output signal levels, or separately amplified input signal levels, and provides power boost control signals to the power boost circuits, which temporarily raise or lower the positive and/or negative supply voltages above or below the nominal voltage rails in tandem with the highest and lowest output signals, respectively, from the amplifier(s).

No. of Pages: 98 No. of Claims: 45

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: FERMENTED NUTRITION HIGH IN LACTOSE WITH INCREASED IRON BIOAVAILABILITY

(51) International :A23C9/12,A23L1/304,A61K31/19

classification (31) Priority Document No :PCT/NL2013/050211

(32) Priority Date :22/03/2013

(86) International Application :PCT/NL2014/050181

(33) Name of priority country: Netherlands

:24/03/2014 Filing Date

(87) International Publication :WO 2014/148910

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

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

Filing Date

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

Address of Applicant : Eerste Stationsstraat 186 NL 2712 HM

Zoetermeer Netherlands (72) Name of Inventor:

1)VAN DEN BRAAK Claudia Catharina Maria

2)LUDWIG Thomas 3)BOURITIUS Houkje

#### (57) Abstract:

The present invention relates to fermented nutritional compositions comprising high concentration of lactosem such as 6 grams per 100 ml, and optionally non-digestible oligosaccharides, such as galactooligosaccharides or Iructooligosaccharides for improving the bioavailability of iron and preventing or treating of iron deficiency (anaemia), in particular for infants and young children or pregnant women. In another aspect of the invention, the nutritional composition are used for preventing cognitive disorders and/or socioemotional disorders in an infant and/or young child.

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

(21) Application No.9255/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CUTTER WITH POSITIVE SEATED STICK BLADES FOR BEVEL GEAR CUTTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:24/04/2014 :WO 2014/176397 :NA :NA	(71)Name of Applicant:  1)THE GLEASON WORKS  Address of Applicant:1000 University Avenue P.O. Box 22970 Rochester NY 14692 2970 U.S.A. (72)Name of Inventor:  1)STADTFELD Hermann J.
Filing Date	:NA :NA	

#### (57) Abstract:

A bevel gear manufacturing face cutter head (2) for face hobbing and face milling wherein the face cutter head includes a positive blade seating and stick -type rectangular or square cross -section cutting blades (6) are clamped tight to the positive seating surfaces (14, 18). The cutting blades are adjustable radially by axial movement by a non self -locking system.

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

(21) Application No.9256/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: NI- PLATED STEEL SHEET AND METHOD FOR PRODUCING NI-PLATED STEEL SHEET

(51) International classification:C25D5/26,C23C28/00,C23C28/02 (71)Name of Applicant:

:30/04/2014

(31) Priority Document No :2013095785 (32) Priority Date :30/04/2013

(33) Name of priority country: Japan

(86) International Application :PCT/JP2014/061967

No Filing Date

(87) International Publication :WO 2014/178396

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

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

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72) Name of Inventor:

> 1)TANI Yoshiaki 2)HIRANO Shigeru 3)TACHIKI Akira

4)YANAGIHARA Morio 5)KAWABATA Makoto 6)YOKOYA Hirokazu

#### (57) Abstract:

A Ni -plated steel sheet according to the present invention comprises a steel sheet, a first Ni plating layer which is formed on at least one surface of the steel sheet and contains Ni, and a second Ni plating layer which is formed on the first Ni plating layer and contains Ni ,wherein the average center line roughness (Ra) at the interface between the first Ni plating layer and the second Ni plating layer is less than 0.1 Âum, the average center line roughness (Ra) of the surface of the second Ni plating layer is 0.1 to 100 Âum, and the amount of Ni attached onto the whole of the first Ni plating layer and the second Ni plating layer is 20 to 2500 mg/m 2per one surface in terms of metal Ni content.

No. of Pages: 45 No. of Claims: 9

(22) Date of filing of Application:07/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: CARBON-COATED MEMBER AND PRODUCTION METHOD THEREFOR

:C23C16/27,C23C16/515 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)HONDA MOTOR CO. LTD. :2013116034 (32) Priority Date :31/05/2013 Address of Applicant: 1 1 Minami Aoyama 2 chome Minato (33) Name of priority country ku Tokyo 1078556 Japan :Japan (72)Name of Inventor: (86) International Application No :PCT/JP2014/064400 1)KOBAYASHI Koji Filing Date :30/05/2014 (87) International Publication No :WO 2014/192916 2)KOJINA Kaoru 3)YOSHIMOTO Nobuhiko (61) Patent of Addition to Application :NA 4)FUNATSU Junya

:NA Filing Date

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

#### (57) Abstract:

Provided is a carbon -coated member that makes it possible to sufficiently reduce friction by merely covering a surface with a DLC coating. In the carbon -coated member, a DLC coating is used to cover a sliding section in the interior of a cylindrical member. The hardness of the DLC coating is 3.0 -10.0 GPa and the kurtosis (Rku) is 27.0 or less.

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

(21) Application No.9259/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: CARBONIZATION DEVICE

(51) International classification: C10B57/00,C10B47/30,F27B7/42 (71)Name of Applicant:

:WO 2014/175053

(31) Priority Document No :2013093222 (32) Priority Date :26/04/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/060132

:08/04/2014 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)MITSUBISHI HEAVY INDUSTRIES LTD.

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

1088215 Japan

(72) Name of Inventor: 1)NAKAGAWA Keiichi

2)OMOTO Setsuo

3)SAKAGUCHI Masakazu

#### (57) Abstract:

The present invention is provided with: an inner tube (112) through the interior of which flows low-grade charcoal (1); a supply feeder (113) that supplies the low-grade charcoal (1); heating means (111,117,118,119) that heat the low-grade charcoal (1); a shooter (116) that sends out carbonization gas (3) and generated carbonized charcoal (2); a reference gas supply source (115) that adds a reference gas (4) such as nitrogen gas to the carbonization gas (3); a gas concentration measurement device (131) that measures the concentration (Cs) of the reference gas (4) and the concentration (Cc) of carbon dioxide in the mixed gas of the reference gas (4) and the carbonization gas (3) fi m the shooter (116); and a computation control device (130) that, on the basis of the concentrations (Cc) and (Cs), the supply flow rate (Fs) of the reference gas (4), and the supply weight (Wo) of the low-grade charcoal (1), calculates the amount (tc) of carbon dioxide generated, determines the carbonization fraction (Dt) of the low-grade charcoal (1) fi m a map that has been input ahead of time, and controls a heating means (1 18a) in a manner so as to result in a target carbonization fraction (Dr).

No. of Pages: 27 No. of Claims: 6

(21) Application No.9260/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: CARBONIZATION DEVICE

(51) International classification: C10B57/00,C10B47/30,F27B7/42 (71)Name of Applicant:

:WO 2014/175054

(31) Priority Document No :2013093223 (32) Priority Date :26/04/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/060133

:08/04/2014 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)MITSUBISHI HEAVY INDUSTRIES LTD.

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

1088215 Japan

(72) Name of Inventor:

1)NAKAGAWA Keiichi

2)OMOTO Setsuo

3)SAKAGUCHI Masakazu

# (57) Abstract:

h e present invemion i s provided with: a reference gas supply source (1 15) that adds a reierence gas (4) 0 1 nitrogen gas t o a carbonization gas (3); a combustor (120) that combusts a mixed gas of the carbonization gas (3) and the reference gas (4), and sends out an inspection gas (9); a gas rheometer (132) that measures the flow rate (Fi) of the inspection gas (9); a gas concentration measurement device (13 1) that measures the concentration (Cn) of the nitrogen gas and the concentration (Cc) of carbon dioxide in the inspection gas (9); and a computation control device (130) that determines the flow rate (n) of the nitrogen gas in the mixed gas fiOm the flow rate (Fi) and the concentration (Cn), determines the amount (Wc) generated of carbon components in the carbonization gas (3) fi m the flow rate (Fs) of the reference gas (4) supplied t o the carbonization gas (3), the flow rate (Fa) of the air (8) supplied t o the combustor (120), and the flow rates (n) and (Fi) and concentration (Cc), determines the carbonization fi action (Dt) of carbonized charcoal (2) fi m the concentration (Cg) of carbon components in low-grade charcoal (1), the amount (Wc) generated, and the supply weight (Wo) of the low-grade charcoal (1), and controls a valve (118a) in a manner so as to result in a target carbonization fraction (Dr).

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

(21) Application No.9261/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:07/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: A METHOD FOR IMPROVING DISEASE DIAGNOSIS USING MEASURED ANALYTES

(51) International :C12Q1/00,G01N33/50,G01N31/00 classification

(31) Priority Document No :61/851867

(32) Priority Date :14/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/000041

No :13/03/2014 Filing Date

(87) International Publication

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

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

:WO 2014/158287

Filing Date

(71) Name of Applicant:

1)OTRACES INC. Address of Applicant: 9700 Great Seneca Hwy Rockville MD

20850 U.S.A.

(72)Name of Inventor:

1)KRASIK Galina

2)MAREFAT Mohsen

3)LINGENFELTER Keith

Methods for improving clinical diagnostic tests are provided along with associated diagnostic techniques.

No. of Pages: 80 No. of Claims: 26

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

(21) Application No.9107/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEM AND PROCESS OF DETERMINING VEHICLE ATTITUDE

(51) International

:G01S19/21,G01S19/22,G01S19/53 classification

(31) Priority Document No :61/777902 (32) Priority Date :12/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/024016

:12/03/2014 Filing Date

(87) International Publication

:WO 2014/164982

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

Filing Date (62) Divisional to Application :NA Number :NA (71)Name of Applicant:

1)LOCKHEED MARTIN CORPORATION

Address of Applicant :6801 Rockledge Drive Bethesda

Maryland 20817 U.S.A. (72) Name of Inventor:

1)METZGER Thomas R.

## (57) Abstract:

Filing Date

A system and process that can be used to determine vehicle attitude with only one navigation receiver. In one embodiment, the antenna of the navigation receiver is driven with a signal that modulates sensitivity in azimuth. The received navigation signal strength is demodulated by the phase at which the antenna is sweeping and a phase angle and a magnitude for the incoming signal are calculated. Using this calculated phase angle, magnitude and antenna characteristics, the location of the user (i.e. the navigation receiver) and the location of the navigation satellite, the attitude of the antenna and hence the user or user vehicle can be determined.

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LUBRICANT ADDITIVES 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</li> </ul>	:C10M163/00 :61/794779 :15/03/2013 :U.S.A. :PCT/US2014/029016 :14/03/2014 :WO 2014/144554 :NA :NA	(71)Name of Applicant:  1)TRANE INTERNATIONAL INC. Address of Applicant: One Centennial Avenue Piscataway New Jersey 08855 U.S.A. (72)Name of Inventor: 1)KUJAK Stephen Anthony 2)MAJURIN Julie Ann
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments are described herein to provide a functional composition that can be added to the lubricant of the HVAC system to help prevent /reduce the lubricant breakdown. The functional composition can also help prevent/reduce material deposition on, for example, an orifice of an expansion or heat transfer surface(s) or heat transfer surface(s). The functional composition can be added as an additive to a lubricant of a HVAC system to form a lubricant composition. The lubricant composition can be added to a HVAC system to help prevent/reduce the material deposition. In some embodiments, the functional composition can be added to a HVAC system during operation of the HVAC system to help remove/ reduce existing material deposition.

No. of Pages: 21 No. of Claims: 19

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD, APPARATUS AND COMPUTER PROGRAM FOR CELL SEARCH

(51) International classification	:H04W48/16,H04W48/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2013/057796	1)WALLÉN Anders
Filing Date	:15/04/2013	2)LINDOFF Bengt
(87) International Publication No	:WO 2014/169939	3)FRENGER PÃ¥I
(61) Patent of Addition to Application	:NA	4)BERGMAN Johan
Number	:NA	5)KONSTANTINOS Dimou
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of cell search for a cellular communication device capable of operation in a normal coverage mode and in an extended cover age mode is disclosed. The method comprises retrieving a first list of frequencies for cell search comprising at least one frequency item; searching for cells using the frequency items of the first list in consecutive order until either a cell, which enables connection in the normal coverage mode, is found or the first list is exhausted, wherein if a cell is found which enables connection in the normal coverage mode, connecting to said cell for operation in the normal coverage mode, or if the first list is exhausted, retrieving a second list of frequencies, searching for cells using the frequency items of the second list in consecutive order until either a cell is found which enables connection in the extended coverage mode or the second list is exhausted, wherein if a cell is found which enables connection in the extended coverage mode, connecting to said cell for operation in the extended coverage mode. Method for a base station, a cellular communication device, a base station, and computer program therefor are also disclosed.

No. of Pages: 28 No. of Claims: 22

(21) Application No.9455/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :11/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHODS AND COMPOSITIONS FOR WEED CONTROL

(51) International classification :C12N15/113,C07K14/415,C12Q1/68

(31) Priority Document No :61/787620 (32) Priority Date :15/03/2013

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

(86) International :PCT/US2014/025305

Application No Filing Date :13/03/2014

(87) International

Publication No :WO 2014/151255

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

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

(71)Name of Applicant:

1)MONSANTO TECHNOLOGY LLC

Address of Applicant: 800 North Lindbergh Boulevard Mail

Zone E1NA St. Louis Missouri 63167 U.S.A.

(72)Name of Inventor:1)FINNESSY John J.2)NAVARRO Santiago X.3)SAMMONS Robert Douglas

4)TAO Nengbing

# (57) Abstract:

Provided are novel compositions for use to herbicide activity. Specifically the present application provides for methods and compositions that modulate the expression of a plastid protein import system of a plant. Also provided are combinations of compositions and methods that enhance weed control.

No. of Pages: 106 No. of Claims: 57

(21) Application No.9456/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:11/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: HUMAN PAC1 ANTIBODIES

(51) International :C07K16/28,A61K39/395,A61P25/06

classification

(31) Priority Document No :61/792678 (32) Priority Date :15/03/2013

(33) Name of priority

country

:U.S.A.

:14/03/2014

(86) International :PCT/US2014/029128 Application No

Filing Date

(87) International

:WO 2014/144632 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)AMGEN INC.

Address of Applicant : One Amgen Center Drive M/S 28 2 C

Thousand Oaks California 91320 1799 U.S.A.

(72)Name of Inventor:

1)XU Cen

2)HAMBURGER Agnes Eva

#### (57) Abstract:

Antibodies and antigen-binding fragments thereof that bind to human PACl are provided. Nucleic acids encoding the antibodies and antigen-binding fragments thereof, vectors, and cells encoding the same are also provided. The antibodies and antigen-binding fragments thereof can inhibit binding of PACl to PACAP, and are useful in a num ber of PACl related disorders, including the treatment and/or prevention of headache disorders, including migraine and cluster headache.

No. of Pages: 143 No. of Claims: 30

(21) Application No.9257/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR PRODUCING A SYNTHESIS GAS USING AN OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM WITH SECONDARY REFORMING

<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>	:C01B3/38,C01B13/02,B01J19/24 :61/816326 :26/04/2013 :U.S.A.	(71)Name of Applicant:  1)PRAXAIR TECHNOLOGY INC.  Address of Applicant: 39 Old Ridgebury Road Danbury CT 06810 U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2014/033162 :07/04/2014 :WO 2014/176021	<ul> <li>(72)Name of Inventor:</li> <li>1)CHAKRAVARTI Shrikar</li> <li>2)DRNEVICH Raymond Francis</li> <li>3)SHAH Minish M.</li> <li>4)STUCKERT Ines C.</li> </ul>
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li><li>(62) Divisional to Application</li></ul>	:NA :NA	ijs i e emiliki inte et
Number Filing Date	:NA	

## (57) Abstract:

A method and system for producing a synthesis gas in an oxygen transport membrane based reforming system is disclosed that carries out a primary reforming process, a secondary reforming process.

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

(21) Application No.9449/DELNP/2015 A

1)GENERAL EQUIPMENT AND MANUFACTURING

(71)Name of Applicant:

(19) INDIA

(22) Date of filing of Application: 11/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: QUICK DISCONNECT CONNECTOR ASSEMBLY

(51) International :H01R13/703,H01H36/00,F15B15/28 classification

:NA

(31) Priority Document No :13/802150

(57) Abstract:

Filing Date

COMPANY INC. D/B/A TOPWORX INC. (32) Priority Date :13/03/2013 Address of Applicant: 3300 Fern Valley Road Louisville KY (33) Name of priority 40213 U.S.A. :U.S.A. (72) Name of Inventor: country (86) International 1)MERRIFIELD Gregory Curtis :PCT/US2014/027857 Application No 2)LAFOUNTAIN Robert Lynn :14/03/2014 Filing Date (87) International :WO 2014/160527 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

A quick-disconnect connector assembly includes a housing having a bore that extends up to but not through a first end of the housing. The connector assembly also includes a proximity switch disposed within the bore, and the proximity switch includes a switch body, a first contact member, and a second contact member. A portion of each of the first and second contact members extends from the switch body towards a second end of the housing. In a first switch position, a contact of a displaceable switching assembly is in contact with the first contact member, and in a second switch position, the contact is in contact with the second contact member. The connector assembly also includes an external connection assembly including a first pin that is electrically coupled to the first contact member and a second pin that is electrically coupled to the second contact member.

No. of Pages: 41 No. of Claims: 20

(21) Application No.9450/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :11/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PEPTIDES FOR SKIN REJUVENATION AND METHODS OF USING THE SAME

(51) International classification :C07K5/06,A61K8/30,A61K8/64 (71)Name of Applicant: (31) Priority Document No :61/779601 1)NEOCUTIS SA (32) Priority Date :13/03/2013 Address of Applicant: Chemin Du Stand 6 CH 1009 Pully (33) Name of priority country :U.S.A. Switzerland (86) International Application (72)Name of Inventor: :PCT/IB2014/001119 No 1)DREHER Frank :26/02/2014 Filing Date (87) International Publication No:WO 2014/140890 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

## (57) Abstract:

Filing Date

The invention provides compositions for stimulating the formation of one or more extracellular matrix components that contain a lipoaminoacid derivative of the tripeptide carnosine such as N-Octanoyl Carnosine. Also provided are compositions containing N-Octanoyl Carnosine in combination with selected tripeptide and/or tetrapeptides as well as pharmaceutical and/or cosmetic compositions containing such compositions. Theinvention further provides methods of using the compositions and compositions of the invention to treat, alleviate, and/or ameliorate a symptom, condition, disorder, or disease of the skin or mucosa, wherein the symptom, condition, disorder, or disease is associated with changes in extracellular matrix components.

No. of Pages: 98 No. of Claims: 50

(22) Date of filing of Application :11/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VEHICLE OPERABLE BY MEANS OF A MOTOR AND USING MUSCLE POWER

(51) International classification :B62M6/55,F16H15/42 (71)Name of Applicant : (31) Priority Document No 1)ROBERT BOSCH GMBH :10 2013 206 710.0 (32) Priority Date Address of Applicant :Postfach 30 02 20 70442 Stuttgart :15/04/2013 (33) Name of priority country :Germany Germany :PCT/EP2014/054038 (86) International Application No (72) Name of Inventor: Filing Date :03/03/2014 1)DORNHOEFER Gerd (87) International Publication No :WO 2014/170062 2)MARTINI Katrin (61) Patent of Addition to Application 3)DOMMSCH Hans Peter :NA Number 4)BENDEL Karl :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a vehicle operable by means of motor power and/or pedaling power, in particular an electric bicycle, comprising a crank assembly (2) having a bottom bracket shaft (20), a chainwheel (4) which Outputs drive torque for the vehicle to a chain (5), an electric drive (3) and a cone ring transmission (10) for the continuously variable changing of a transmission ratio, wherein said cone ring transmission (10) and the electric drive (3) are provided on said crank assembly (2) and wherein the cone ring transmission (10) is connected to the crank assembly (2) and arranged in such a way that a torque produced by a rider is transmitted to said chainwheel (4).

No. of Pages: 16 No. of Claims: 11

(22) Date of filing of Application :11/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ATTENUATOR CIRCUIT OF A CAPACITANCE-SENSING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F3/041 :61/777462 :12/03/2013 :U.S.A. :PCT/US2013/044071 :04/06/2013 :WO 2014/143112 :NA :NA :NA	(71)Name of Applicant:  1)CYPRESS SEMICONDUCTOR CORPORATION Address of Applicant: 1 8 Champion Court, San Jose, California 95 134 U.S.A.  2)RYSHTUN, Andriy 3)KREMIN, Viktor 4)KREKHOVETSKYY, Mykhaylo 5)OMELCHUK, Ruslan (72)Name of Inventor: 1)RYSHTUN Andriy 2)KREMIN Viktor 3)KREKHOVETSKYY Mykhaylo 4)OMELCHUK Ruslan
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#### (57) Abstract:

Apparatuses and methods of input attenuator circuits are described. One sensing circuit includes an attenuator circuit to receive a signal from an electrode of a sense array. The attenuator circuit is configured to attenuate input current of the signal. The attenuator circuit includes an attenuation matrix including an input terminal to receive the signal and multiple resistors. The attenuation matrix is configured to split the input current into an output current of the attenuation signal on a first output terminal and a second output current on a second output terminal. The attenuation matrix is to output the attenuated signal on the first output terminal to an integrator of the sensing circuit. The attenuator circuit also includes a buffer coupled between the attenuation matrix and the integrator. The buffer is configured to maintain a substantially same voltage at the first output terminal and the second output terminal.

No. of Pages: 47 No. of Claims: 20

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SKIVING OF CYLINDRICAL GEARS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:61/814529 :22/04/2013 :U.S.A. :PCT/US2014/034813 :21/04/2014 :WO 2014/176169 :NA :NA	(71)Name of Applicant:  1)THE GLEASON WORKS  Address of Applicant:1000 University Avenue P.O. Box 22970 Rochester NY 14692 2970 U.S.A. (72)Name of Inventor:  1)STADTFELD Hermann J. 2)DONNAN Robert T.
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

A skiving tool comprising a cutter head (2) having a plurality of cutter blade mounting and positioning slots (8) arranged spaced, preferably equidistant, about the periphery (7) of the cutter head with the blade slots, and hence the cutting blades (4),preferably oriented perpendicular to the axis of rotation (A) of the cutter head. Alternatively, the blade slots may be inclined from the perpendicular orientation by less than 50 degrees, preferably less than 20 degrees, thereby forming a conical shaped cutter. Additionally, the blade slots may be positioned to extend radially from the cutter head axis whereby the longitudinal axis of a cutter blade will intersect the cutter head axis, or the blade slots may be radially offset from the cutter head axis. The blade slots may have any crosssectional shape such as square, rectangular or those types having generally V-shaped seating surfaces (10) comprising a pair of angled mounting surfaces (12, 14) each less than 90 degrees. In contrast to known cutting blade configurations, the cutting blade (4) of the present invention has its cutting face (16) formed in a surface of the cutting blade that is located opposite to the seating surface or V-shaped seating surfaces (13, 15) of the cutting blade.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMB POLYMERS AS DETERGENCY BOOSTERS FOR WASHING AND CLEANING AGENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:10 2013 207 778.5 :29/04/2013 :Germany :PCT/EP2014/058131 :22/04/2014 :WO 2014/177423	(71)Name of Applicant:  1)CHT R. BEITLICH GMBH  Address of Applicant: Bismarckstraße 102 72072  Tù¼bingen Germany (72)Name of Inventor:  1)HORRER Bernd 2)WITZEL WILHELM Heike 3)FISCHER STURM Andrea
` /	:WO 2014/177423 :NA :NA :NA :NA	

#### (57) Abstract:

The invention relates to the use of comb polymers in washing and cleaning agents, in particular in textile finishing, and corresponding means. The comb polymers used according to the invention can be obtained by A) a radical polymerization of monoethylenic unsaturated monomers of a group AI) monoethylenic unsaturated acids and salts thereof and a group A2)monoethylenic unsaturated polyether and/or a group A3) monoethylenic unsaturated acids, which were previously esterified with unilaterally terminally hydrophobically blocked polyalkylene-oxides, or by B) a polymeric analogous conversion by esterification and/or amidation of a group B1) polycarboxylic acids and salts thereof with a group B2) monohydroxypolyethers and/or a group B3) monoamine Compounds.

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

(21) Application No.9127/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR MOBILE DATA EXPANSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H04W88/08 :13/840578 :15/03/2013 :U.S.A. :PCT/US2014/028579 :14/03/2014 :WO 2014/144250 :NA :NA	(71)Name of Applicant:  1)NEUTRONIC PERPETUAL INNOVATIONS LLC Address of Applicant:3616 Block Drive #1208 Irving Texas 75038 U.S.A. (72)Name of Inventor: 1)BERRY Terrance
2	:NA :NA	

#### (57) Abstract:

A data expansion system that provides continuum of discrete wireless small cell coverage areas for mobile terminals includes a set of road way reflectors (610) configured to provide wireless broadband data services to a mobile terminal (490). Each reflector (100) includes processing circuitry (410) configured to establish communications between the mobile terminal (490) and a backhaul network (480). Each reflector (100) includes a wireless transceiver (420) configured to transmit and receive data. Each reflector (100) includes a power source (440) that converts solar energy into electricity. Each reflector (100) includes a housing (460) configured to contain the processing circuitry, the transceiver, and the power source. The housing (460) has a raised reflective surface.

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

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "FLUID HEATING AND STORAGE TANK AND SYSTEM†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B60R :2,702,472 :26/04/2010 :Canada :PCT/CA2010/001296 :23/08/2010 :WO/2011/134043 :NA :NA	(71)Name of Applicant:  1)W&E INTERNATIONAL (CANADA) CORP. Address of Applicant: 66 Devonsleigh Blvd. Richmond Hill Ontario L4S 1H2 Canada  2)HUAZI LIN (72)Name of Inventor: 1)HUAZI LIN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A fluid heating and storage tank with an interior-installed heat exchanger is provided. The tank comprises two pairs of inlets and outlets for secondary fluid, and at least one breathing port, which connected to the heat exchanger and one apparatus for condensing and reclaiming of the liquid vapor mounted at the breathing port. A heat driven self-circulated fluid heating and storage system incorporating the fluid heating and storage tank is provided to use with one or @ two heaters. The heaters may use solar and other different energy resources. The system can have the double solar heat collectors orientated in any angle, typically in 90 degrees and 180 degrees. These solar heating systems may be used to form the module units of the building roofs, f fences and verandas etc. Ref. Fin 1

No. of Pages: 31 No. of Claims: 20

(21) Application No.8967/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "TAGGANT KEYING SYSTEM FOR DISPENSING SYSTEMS †•

(51) International classification	:A47J	(71)Name of Applicant:
(31) Priority Document No	:61/324,975	1)GOJO INDUSTRIESÂ INC.
(32) Priority Date	:16/04/2010	Address of Applicant :One GOJO Plaza Suite 500 P.O.
(33) Name of priority country	:U.S.A.	Box 991 Akron Ohio 44309 U.S.A.
(86) International Application No	:PCT/US2011/031919	(72)Name of Inventor:
Filing Date	:11/04/2011	1)KEITH PELFREY
(87) International Publication No	:WO 2011/130158	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A dispensing system with an electronic keying mechanism, the dispensing system including a housing (70) and a refill unit (57). The refill unit (57) includes a product reservoir, a pump mechanism and a collar adapted to secure the refill unit (57) within the housing (70). An infrared sensor (78) is provided in the housing (70) and includes an infrared radiation source and a detector. A taggant is dispersed within at least a portion of the 60 collar, the taggant being detectable by the detector when exposed to infrared radiation.

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

(21) Application No.9140/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ISOQUINOLINES AS POTASSIUM ION CHANNEL INHIBITORS

(51) International :C07D401/14,C07D405/14,C07D401/04 classification

(31) Priority Document

:61/775735

(32) Priority Date :11/03/2013

(33) Name of priority country

:U.S.A.

(86) International

:PCT/US2014/022264

Application No Filing Date

:10/03/2014

(87) International Publication No

:WO 2014/143609

(61) Patent of Addition to :NA

**Application Number** Filing Date

:NA

(62) Divisional to **Application Number** 

:NA :NA

Filing Date

(71) Name of Applicant:

1)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and Province Line Road

Princeton New Jersey 08543 U.S.A.

(72) Name of Inventor:

1)FINLAY Heather

2)ADISECHAN Ashok Kumar

3)DHONDI Naveen Kumar 4)GUNAGA Prashantha

5)LLOYD John

6)SRINIVASU Pothukanuri

#### (57) Abstract:

A compound of formula (I) (I) wherein A, Rl, Rla, R3 and R24 are described herein. The compounds are useful as inhibitors of potassium channel function and in the treatment and prevention of arrhythmia, IKur-associated disorders, and other disorders mediated by ion channel function.

No. of Pages: 152 No. of Claims: 15

(21) Application No.9141/DELNP/2015 A

(19) INDIA

country

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PYRROLOTRIAZINES AS POTASSIUM ION CHANNEL INHIBITORS

(51) International :C07D487/04,A61P9/00,A61K31/5365

classification (21) Priority Document No :61/775750

(31) Priority Document No :61/775750 (32) Priority Date :11/03/2013 (33) Name of priority

:U.S.A.

(86) International :PCT/US2014/022236

Application No
Filing Date

10/03/2014

(87) International Publication No :WO 2014/143606

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

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

(71)Name of Applicant:

1)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and Province Line Road

Princeton New Jersey 08543 U.S.A.

(72)Name of Inventor:

1)FINLAY Heather 2)ADISECHAN Ashok Kumar

3)GUNAGA Prashantha

4)LLOYD John

5)SRINIVASU Pothukanuri

#### (57) Abstract:

compound of formula (I), wherein A, R1, R3, and R24 are described herein. The compounds are useful as inhibitors of potassium channel function and in the treatment and prevention of arrhythmia, I kur -associated disorders, and other disorders mediated by ion channel function.

No. of Pages: 76 No. of Claims: 15

(21) Application No.9142/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PYRROLOTRIAZINES AS POTASSIUM ION CHANNEL INHIBITORS

(51) International classification :C07D487/04,A61K31/5365,A61P9/00

(31) Priority Document No :61/775731

(32) Priority Date :11/03/2013
(33) Name of priority country :U.S.A.

country

(86) International Application No :PCT/US2014/022265 :10/03/2014

Filing Date .10/03/2014
(87) International

Publication No :WO 2014/143610

(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)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and Province Line Road

Princeton New Jersey 08543 U.S.A.

(72)Name of Inventor:

1)FINLAY Heather

2)ADISECHAN Ashok Kumar 3)DHONDI Naveen Kumar 4)KAVITHA Govindrajulu 5)GUNAGA Prashantha

6)LLOYD John

7)SRINIVASU Pothukanuri

## (57) Abstract:

A compound of formula (I) wherein A,R1, R3, and R24 are described herein. The compounds are useful as inhibitors of potassium channel function and in the treatment of arrhythmia, maintaining normal sinus rhythm, IKur-associated disorders, and other disorders mediated by ion channel function.

No. of Pages: 265 No. of Claims: 16

(21) Application No.9143/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: CELLULOSE PARTICULATE MATERIAL

:C08H8/00,C08J3/12,C08L1/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :1304939.0 (32) Priority Date :18/03/2013

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

(86) International Application No :PCT/GB2014/050858

Filing Date :18/03/2014 (87) International Publication No :WO 2014/147392

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

:NA Number :NA Filing Date

1)CELLUCOMP LIMITED

Address of Applicant: Unit 3 West Dock Harbour Place

Burntisland Fife KY3 9DW U.K.

(72)Name of Inventor:

1)HEPWORTH David

2)WHALE Eric

#### (57) Abstract:

The invention relates to plant-derived cellulose-containing particles useful as rheology modifiers and to a process for preparing cellulose-containing particles from plant material, which process involves treating said plant material with a peroxide reagent. The process can be controlled to produce cellulose-containing particle having a viscosity up to about 7500 or 8000 cps.

No. of Pages: 53 No. of Claims: 45

(21) Application No.9858/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "INJECTABLE EMULSION OF SEDATIVE HYPNOTIC AGENT†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:A61K :61/334,208 :13/05/2010 :U.S.A. :PCT/SE2011/050602 :12/05/2011 :WO/2011/149412 :NA :NA	(71)Name of Applicant:  1)ASTRAZENECA AB Address of Applicant:S-151 85 Södertälje Sweden (72)Name of Inventor:  1)JONATHAN BOOTH 2)LEIGH DIXON 3)CLIVE WASHINGTON
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides novel pharmaceutical formulations of a substituted phenylacetic acid ester compound, which is useful as a short-acting sedative hypnotic agent for anesthesia and sedation. The pharmaceutical formulations are oil-in-water emulsions suitable for administration by injection. The invention further provides processes for the preparation of the formulation and the use of the formulation in medical treatment of a mammal.

No. of Pages: 48 No. of Claims: 40

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC SYSTEMS AND METHODS WITH HIGH COOLING RATES $\hat{a} \in \alpha CONCENTRATED$ PHOTOVOLTAIC RATES $\hat{a} \in \alpha CONCENTR$

(31) Priority Document No       :12/780,528       1)PU         (32) Priority Date       :14/05/2010       Add         (33) Name of priority country       :U.S.A.       75244         (86) International Application No       :PCT/US2011/036369       (72)Na	ame of Applicant: ULSAR ENERGYÂ INC. Idress of Applicant: 4823 Myerwood Lane Dallas TC U.S.A. ame of Inventor: RISTIAN PENCIU
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#### (57) Abstract:

The present disclosure relates to a concentrated photovoltaic (CPV) module, system, and method utilizing a CPV module to provide uniform, concentrated solar energy distribution over one or more photovoltaic (PV) cells, to improve cooling of the PV cells to allow for high solar concentration, and to offer an energy efficient system that can be cost effectively implemented. In an exemplary embodiment, the present invention includes solar collectors that concentrate solar energy and mechanisms for transporting and transferring the concentrated solar energy directly with the CPV module. Further, the CPV module includes a novel cooling mechanism utilizing a fluid to cool an interior of the module and the PV cells.

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

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEMS AND METHODS OF IMPLEMENTING A GENERIC PLATFORM WITH AN EDITOR TOOL TO WRITE AUTOMATED TEST SCRIPTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	H04L12/27 :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,
(33) Name of priority country	:NA	United States of America U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)Prabhu Subramaniam
(87) International Publication No	: NA	2)Madhu Kiran Kalaiah
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT †SYSTEMS AND METHODS OF IMPLEMENTING A GENERIC PLATFORM WITH AN EDITOR TOOL TO WRITE AUTOMATED TEST SCRIPTS' A computer-implemented method for writing automated test scripts, the method comprising: storing, by a computer, a library database containing scripts associated with different regions; configuring, by the computer, a platform editor tool, wherein configuring comprises: receiving, by the computer, a location path of language compilers; receiving, by the computer, an input of multiple programming languages into a test script; identifying, by the computer, a region of each of the multiple programming languages in the test script by analyzing each programming language and interpreting the region of each programming language by correlating scripts in the library database with each programming language, whereby the region is determined based on the type of programming language; and compiling, by the computer, the test script; creating, by the computer a temporary file for each of the separated programming languages in the test script based on the location path of the language compilers; and updating, by the computer, a results listing indicating the separated programming languages in the test script as passed or failed.

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

(21) Application No.442/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/01/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HYDROGEL ULTRASOUND COUPLING 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>	:61/358336 :24/06/2010 :U.S.A.	(71)Name of Applicant:  1)ZETROZ LLC Address of Applicant: 421 N. Aurora Street Ithaca New York 14850 U.S.A. (72)Name of Inventor: 1)LEWIS JR. George K. 2)GUARINO JoAnne L. 3)GUFFEY Bryant
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#### (57) Abstract:

The present invention relates to an ultrasound coupling device that includes a gel component and a coupling compartment. The present invention also relates to various kits and methods for using the ultrasound coupling device with low intensity ultrasound transducers and therapy. The present invention also relates to methods of making the ultrasound coupling device of the present invention. The present invention further relates to an array that includes a plurality of ultrasound coupling devices of the present invention and methods of using the array.

No. of Pages: 26 No. of Claims: 29

(21) Application No.8968/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ANTI-VLA-4 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>	:C12N :61/324,944 :16/04/2010 :U.S.A. :PCT/US2011/032641 :15/04/2011 :WO 2011/130603 :NA :NA :NA	(71)Name of Applicant:  1)BIOGEN IDEC MA INC.  Address of Applicant: 14 Cambridge Center Cambridge MA 02142 U.S.A. (72)Name of Inventor:  1)ALEXEY A. LUGOVSKOY 2)FREDERICK R. TAYLOR 3)KAREN MCLACHLAN
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(57) Abstract:

This invention relates to alpha-4 binding antibodies, and fragments thereof.

No. of Pages: 71 No. of Claims: 23

(21) Application No.8973/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "A COMPOSITION FOR IMPROVING REHEAT CHARACTERSTICS OF POLYMER AND A METHOD FOR PREPARING THE SAME†•

:C08F (51) International classification (71)Name of Applicant: (31) Priority Document No 1)COLORMATRIX EUROPE LIMITED :0407114.8 (32) Priority Date Address of Applicant : Units 9-11 Unity Grove Knowsley :30/03/2004 L34 9GTÂ Great Britain U.K. (33) Name of priority country :U.K. (86) International Application No :PCT/GB2005/001231 (72)Name of Inventor : Filing Date 1)JARVISÂ Anthony :30/03/2005 (87) International Publication No :WO 2005/095516 2)FROST Mark (61) Patent of Addition to Application 3) RULE Mark :NA

Number :NA Filing Date

(62) Divisional to Application Number :6317/DELNP/2006 Filed on :27/10/2006

## (57) Abstract:

A present invention relates to the composition comprising a polymeric material and titanium nitride for improving the reheat characteristics of the polymeric material.

No. of Pages: 40 No. of Claims: 22

(21) Application No.9865/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "INDAZOLE COMPOUNDS USEFUL AS KETOHEXOKINASE INHIBITORS†•

(51) T	A 21 T7	
(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:61/326,749	1)JANSSEN PHARMACEUTICA NV
(32) Priority Date	:22/04/2010	Address of Applicant :Turnhoutseweg 30Â B-2340 BeerseÂ
(33) Name of priority country	:U.S.A.	Belgium
(86) International Application No	:PCT/US2011/033395	(72)Name of Inventor:
Filing Date	:21/04/2011	1)XUQING ZHANG
(87) International Publication No	:WO/2011/133750	2)MARTA C. ABAD
(61) Patent of Addition to Application	:NA	3)ALAN C. GIBBS
Number	:NA	4)GEE-HONG KUO
Filing Date	:INA	5)LAWRENCE C. KUO
(62) Divisional to Application Number	:NA	6)FENGBIN SONG
Filing Date	:NA	7)ZHIHUA SUI

## (57) Abstract:

The present invention is directed to substituted indazole compounds, pharmaceutical compositions of these compounds and methods of use thereof. The compounds of the present invention are ketohexokinase (KHK) inhibitors, useful for treating or ameliorating a KHK mediated metabolic disorders and / or diseases such as obesity, Type II diabetes mellitus and Metabolic Syndrome X.

No. of Pages: 152 No. of Claims: 19

(21) Application No.9866/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "METHOD FOR MANAGING ORDERS AND DISPENSING BEVERAGES†•

(51) International classification	:A47J	(71)Name of Applicant:
(31) Priority Document No	:12/767,050	1)THE COCA-COLA COMPANY
(32) Priority Date	:26/04/2010	Address of Applicant :One Coca-Cola Plaza NWÂ
(33) Name of priority country	:U.S.A.	Atlanta Georgia 30313 U.S.A.
(86) International Application No	:PCT/US2011/033031	(72)Name of Inventor:
Filing Date	:19/04/2011	1)LOUIS JR. MATTOS
(87) International Publication No	:WO/2011/139550	2)QIUCHEN PETER ZHANG
(61) Patent of Addition to Application	:NA	3)NILTON ANTONIO MOREIRA MATTOS
Number	:NA	4)ARTHUR G. RUDICK
Filing Date	.11/1	5)H. BROCK KOLLS
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for managing orders and dispensing products into a container. The method may include the steps of prompting a user selection of a product type at an order entry station, printing indicia on the container indicating at least the product type selected, reading the indicia at a product dispensing station, and dispensing the product type selected into the container.

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

(21) Application No.9156/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PEDAL- DRIVEN VEHICLE AND METHOD FOR OPERATING THE PEDAL- DRIVEN 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>	:B62M25/08 :10 2013 206 163.3 :08/04/2013 :Germany :PCT/EP2014/052766 :13/02/2014 :WO 2014/166655 :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)KIMMICH Peter
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#### (57) Abstract:

The present invention relates to a pedal-driven vehicle, in particular an electric bicycle, comprising an electric drive(2), a power supply (6), a chain (7), a gear shift mechanism (4), an electric actuator (3) for actuating said gear shift mechanism (4), and a control unit (5) for Controlling said electric drive (2) and said electric actuator (3), said control unit (5) being designed to actuate, when there is a gear change command, the electric drive (2) in order to move the chain (7) so that a gear can be changed by means of the electric actuator (3). The invention also relates to a method for operating a pedal-driven vehicle.

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

(21) Application No.9157/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: RIBONUCLEIC ACIDS WITH 4'- THIO MODIFIED NUCLEOTIDES 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>	:61/785098 :14/03/2013 :U.S.A. :PCT/US2014/027422 :14/03/2014 :WO 2014/152513 :NA :NA	(71)Name of Applicant:  1)SHIRE HUMAN GENETIC THERAPIES INC. Address of Applicant: 300 Shire Way Lexington  Massachusetts 02421 U.S.A. (72)Name of Inventor: 1)DEROSA Frank 2)HEARTLEIN Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are messenger RNA molecules and related compositions incorporating a 4"-thio modification in the furanosering of at least one nucleotide residue, and methods of using these mRNAs to produce an encoded therapeutic protein in vivo and to treat or prevent diseases or disorders. In certain embodiments, the 4"-thio modified mRNA provides for enhanced stability and/or reduced immunogenicity in in vivo therapies.

No. of Pages: 69 No. of Claims: 29

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: QUANTITATIVE ASSESSMENT FOR CAP EFFICIENCY OF MESSENGER RNA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:C12Q1/68 :61/784253 :14/03/2013 :U.S.A. :PCT/US2014/027602 :14/03/2014 :WO 2014/152673 :NA :NA	(71)Name of Applicant:  1)SHIRE HUMAN GENETIC THERAPIES INC. Address of Applicant: 300 Shire Way Lexington Massachusetts 02421 U.S.A. (72)Name of Inventor: 1)HEARTLEIN Michael 2)DEROSA Frank 3)DIAS Anusha
. ,		3)DIAS Anusha
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides, among other things , methods of quantitating mRNA capping efficiency , particularly mRNA synthesized in vitro. In some embodiments, methods according to the present invention comprise providing an mRNA sample containing capped and uncapped mRNA , providing a cap specific binding substance under conditions that permit the formation of a complex between the cap specific binding substance and the capped mRNA , and quantitatively determining the amount of the complex as compared to a control, thereby quantifying mRNA capping efficiency.

No. of Pages: 67 No. of Claims: 35

(21) Application No.9159/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FEMTOWATT NON- VACUUM TUBE DETECTOR ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:17/03/2014 :WO 2014/145963 :NA	(71)Name of Applicant: 1)THERANOS INC. Address of Applicant:1601 S. California Ave, Palo Alto, California 94304 U.S.A. (72)Name of Inventor: 1)MOHAN Karan 2)MARTINEZ Marcelo
(61) Patent of Addition to Application		2)MINTENDE MINTEND
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

In one embodiment, a femtowatt sensitivity optical detector is provided using one or more photodiodes, intended as a replacement for the photomultiplier based photon counting unit.

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

(22) Date of filing of Application :22/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SECURITY ELEMENTS EXHIBITING A DYNAMIC VISUAL MOTION

(51) International classification: B41M3/14,B44F1/02,B42D15/00 (71)Name of Applicant: (31) Priority Document No :13166117.5 (32) Priority Date :01/05/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/057569

:15/04/2014 Filing Date

(87) International Publication

:WO 2014/177375

(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)FANKHAUSER Catherine

### (57) Abstract:

The present invention is related to a security element comprising a pattern of at least three layers, wherein a first layer comprises a first material which is capable of interacting with a first electromagnetic radiation but does not interact with a second and third electromagnetic radiation, a second layer comprises a second material which is capable of interacting with said second electromagnetic radiation but does not interact with a first and third electromagnetic radiation, and a third layer comprising a third material which is capable of interacting with a third electromagnetic radiation but does not interact with a first and second electromagnetic radiation, wherein said pattern provides a visual motion effect when exposed to a sequential illumination with a light source capable of separately emitting at least said first, second and third electromagnetic radiation. The present invention is furthermore related to the security element, the use of the security element for the protection of a security document against fraud or illegal reproduction, to a method for manufacturing the security element or security document, and to a method for creating a visual motion effect by sequential illumination of the security element.

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

(21) Application No.9963/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: LED LIGHT BULB MANUFACTURING METHOD

:14/04/2014

:WO 2014/173239

(51) International classification: F21S2/00,F21V29/00,H01L33/48 (71) Name of Applicant: (31) Priority Document No :201310140124.5

(32) Priority Date :22/04/2013

(33) Name of priority country :China

(86) International Application :PCT/CN2014/075245

No Filing Date

(87) International Publication

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

:NA Number :NA Filing Date

(62) Divisional to Application

LTD

Address of Applicant: Hongtaishijia 28d Shinan Road

1)GUIZHOU GUANGPUSEN PHOTOELECTRIC.CO.

Nanming Guiyang Guizhou 550002 China

(72) Name of Inventor: 1)ZHANG Jiqiang 2) ZHANG Zheyuan

(57) Abstract:

A n LED light bulb manufacturing method, comprising the following steps: 1) preparing a transitional epitaxial layer on a substrate to form an epitaxial wafer; 2) putting the epitaxial wafer into a reacting furnace to undergo such process steps as silicon coating, sizing, photolithography, etching, film coating, alloying, and slice grinding, the epitaxial wafer growing by layers to form an LED wafer at a specific position and relevant circuits; the LED wafer will not be cut after the completion of the growth; obtaining product A after the LED wafer passes inspection, and die bonding a relevant component on product A, and then conducting wire bonding to obtain product B; 3) on product B, performing the process steps of sealant pouring to cover the wafer and baking, and after inspection, conducting color separation and light splitting, so as to form a finished light engine module; 4) utilizing the light engine module and light bulb accessories to assemble an LED light bulb, and aging and packaging the assembled LED light bulb to obtain a finished LED light bulb. The manufacturing method realizes large-scale and intensified production of LED lighting source products, and greatly reduces the LED light manufacturing cost.

No. of Pages: 131 No. of Claims: 29

(22) Date of filing of Application :24/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DISC BRAKE COMPRISING A BRAKE PAD PRELOAD SPRING

(51) International classification :F16D65/097,F16D65/00 (71)Name of Applicant : (31) Priority Document No 1) CHASSIS BRAKES INTERNATIONAL B.V. :1354036 (32) Priority Date :02/05/2013 Address of Applicant: Rapenburgerstraat 179/E NL 1011 VM (33) Name of priority country :France Amsterdam Netherlands (72)Name of Inventor: (86) International Application No :PCT/EP2014/058346 1)MERRIEN Sandra Filing Date :24/04/2014 (87) International Publication No :WO 2014/177451 2)GAYE André (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention proposes a disc brake of which a carrier (11) comprises two opposite arms (14, 14B) each comprising a C-shaped axial housing (16, 16B) accommodating a brake pad (12) comprising two opposite lateral lugs (26, 26B), each lug (26) accepting a pad spring (40F, 40B) comprising at least one lower, sliding, branch (42F, 42B) and in which a lamellar element (22F, 22B) is interposed between the lug (26, 26B) and the C-shaped housing (16, 16B), this element (22, 22B) comprising a lower first sliding flange (24, 22B) accepting the sliding branch (42, 22B) of the pad spring (40,40B) and an upper second flange (25, 25B) for bearing vertically in the housing (16), characterized in that it comprises at least one tangential preload spring (60 B) for tangentially preloading the pad (12) and which is interposed between an arm (14B) and the pad (12) and constantly urges the pad (12B) in a direction (DF) that is horizontal overall from the back forward.

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

(22) Date of filing of Application :24/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: CYLINDER HOUSING OF LIGHTWEIGHT/HYBRID CONSTRUCTION AND METHOD FOR THE PRODUCTION THEREOF

(51) International :B29D23/00,B29C53/58,F15B15/14

classification

(31) Priority Document No :A 50214/2013 (32) Priority Date :28/03/2013 (33) Name of priority country: Austria

(86) International Application :PCT/AT2014/050077

No :27/03/2014 Filing Date

(87) International Publication: WO 2014/153587

(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)MARK HYDRAULIK GMBH

Address of Applicant: Gleinkerau 23 A 4582 Spital am Pyhrn

(72)Name of Inventor: 1)BRAUN Gottfried 2)MARK Rudolf

3)FIEDLER Martin

# (57) Abstract:

The invention relates to a cylinder housing (2) for a pressure cylinder (1) of lightweight/hybrid construction, having a support structure (4) comprising an inner tube (6) with ends (7, 8) that are spaced apart in the axial direction, and a first and a second end piece (10, 11) in the region of one of the ends (7, 8) of the inner tube (6). A composite structure (12) made of a fibre-reinforced plastics material is arranged on an outer surface (13) of the inner tube (6). Arranged on an outer surface (16) of the first and the second end piece (10, 11) in each case in a manner distributed over the circumference thereof are a plurality of rod-like winding aids (17) that protrude from the outer surface (16). The winding aids (17) have sufficient strength to allow a winding Operation during the application of the threads of the composite structure (12), individual threads of the composite structure (12) being guided during said winding Operation around at least one of the winding aids (17) in a deflection region (18) on sides that face away from one another in each case in the axial direction. Following the formafion of the composite structure (12), the winding aids (17) are reshaped and at o least regionally embedded in the composite structure (12). The invention also relates to a pressure cylinder (1) having such a cylinder housing (2) and to a method for the production thereof.

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

(21) Application No.9445/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR THE UPDATE OF FILL PARAMETERS IN WET CLUTCHES THROUGH CROSS LEARNING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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	:22/04/2014 :WO 2014/173893 :NA	(71)Name of Applicant:  1)DANA BELGIUM N.V.  Address of Applicant: Ten Briele 3 Sint Michiels B 8200  Brugge Belgium (72)Name of Inventor:  1)VERSTEYHE Mark R. J.  2)DE MARÉ Arnout R. L.
(61) Patent of Addition to Application		2)DE MAKA/00 AFHOUL K. L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for updating a set of filling parameters for a wet clutch system is provided. The clutch comprises a piston, a proportional valve, a controller, and a sensor. The method comprises the steps of providing the wet clutch system, providing the set of filling parameters, actuating the wet clutch system based on at least one of the set of filling parameters, sensing a response of the wet clutch system during actuation of the wet clutch system, comparing an observed filling parameter to at least one of the set of filling parameters, calculating a fill error between the observed filling parameter and the at least one of the set of filling parameters, and adjusting a plurality of the set of filling parameters based on the fill error.

No. of Pages: 35 No. of Claims: 20

(21) Application No.9446/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : VARIANTS OF TISSUE INHIBITOR OF METALLOPROTEINASE TYPE THREE (TIMP -3), COMPOSITIONS 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> </ul>	:61/782613 :14/03/2013 :U.S.A.	(71)Name of Applicant:  1)AMGEN INC.  Address of Applicant: One Amgen Center Drive Thousand Oaks CA 91320 1799 U.S.A. (72)Name of Inventor:  1)SUN Jeonghoon 2)ONEILL Jason Charles 3)KETCHEM Randal R.
• /		

(57) Abstract:

There are disclosed TIMP- 3 muteins, variants and derivatives, nucleic acids encoding them, and methods of making and using them.

No. of Pages: 73 No. of Claims: 19

(22) Date of filing of Application :10/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CAPACITANCE SENSING CIRCUITS AND METHODS

(51) International classification	:G01R27/26	(71)Name of Applicant:
(31) Priority Document No	:61/777314	1)CYPRESS SEMICONDUCTOR CORPORATION
(32) Priority Date	:12/03/2013	Address of Applicant :198 Champion Court, San Jose,
(33) Name of priority country	:U.S.A.	California 95 134 U.S.A.
(86) International Application No	:PCT/US2013/050727	2)OGIRKO, Roman
Filing Date	:16/07/2013	3)MAHARYTA, Andriy
(87) International Publication No	:WO 2014/143129	4)KREMIN, Viktor
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)OGIRKO Roman
Filing Date	.IVA	2)MAHARYTA Andriy
(62) Divisional to Application Number	:NA	3)KREMIN Viktor
Filing Date	:NA	

#### (57) Abstract:

A capacitance sense system can include a capacitance sense input configured to receive an input signal that varies ac cording to a sensed capacitance; an integrator/discharge circuit configured to integrate the input signal and discharge the 5 integrated input signal toward the reference level in conversion operations; and a remainder retainer section configured to quantize the discharging of the integrated input signal, and retain any remainder of the integrated input signal that follows a quantization point for a next conversion by the integrator/discharge circuit.

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

(21) Application No.9448/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEMS, DEVICES, AND METHODS FOR BODILY FLUID SAMPLE COLLECTION

(51) Intermedianal alegains	. A C1 I1 /05 C01NI1 /05	(71) Nome of Amplicant.
(51) International classification	:A01J1/05,G01N1/05	(71)Name of Applicant:
(31) Priority Document No	:61/852489	1)THERANOS INC.
(32) Priority Date	:15/03/2013	Address of Applicant :1701 Page Mill Rd Palo Alto California
(33) Name of priority country	:U.S.A.	94304 U.S.A.
(86) International Application No	:PCT/US2014/030792	(72)Name of Inventor:
Filing Date	:17/03/2014	1)HOLMES Elizabeth A.
(87) International Publication No	:WO 2014/145935	2)CHEN Michael
(61) Patent of Addition to Application	:NA	3)KO Pey Jiun
Number	:NA	4)BURD Tammy
Filing Date	INA	5)LATH Adrit
(62) Divisional to Application Number	:NA	6)MCHALE Patricia
Filing Date	:NA	7)ROY Joy

#### (57) Abstract:

Bodily fluid sample collection systems, devices, and method are provided. The device may comprise a first portion comprising at least a sample collection channel configured to draw the fluid sample into the sample collection channel via a first type of motive force. The sample collection device may include a second portion comprising a sample container for receiving the bodily fluid sample collected in the sample collection channel, the sample container operably engagable to be in fluid communication with the collection channel, whereupon when fluid communication is established, the container provides a second motive force different from the first motive force to move a majority of the bodily fluid sample from the channel into the container.

No. of Pages: 161 No. of Claims: 71

(21) Application No.9838/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "APPARATUS FOR AND METHOD OF BRAZING ALUMINIUM PRODUC S WITH CLOSED LOOP CONVEYOR WITHIN THE 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> </ul>	:C22C :1006159.6 :14/04/2010 :U.K. :PCT/GB2011/000554 :11/04/2011 : NA	(71)Name of Applicant: 1)AFC-HOLCROFT Address of Applicant: 49630 Pontiac Trail Wixom MI 48393-2009Â U.S.A. (72)Name of Inventor: 1)MALCOLM ROGER MCQUIRK
<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:

An apparatus (10) for the production of brazed aluminium products on a continuous flow basis comprises, in sequence, a flux application zone (12), a tunnel furnace (14), a cooling zone (15, 16) and a transportation means (25) for conveying (26) component parts or products though the apparatus, the transportation means (25) comprising a closed loop conveyor having both conveying (26) and return (27) runs within the tunnel furnace (14).

No. of Pages: 18 No. of Claims: 31

(21) Application No.9841/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: YEAST CELL WALL COMPONENTS AND DETECTION THEREOF

(51) International classification :G01N33/53,A61
(31) Priority Document No :61/334995
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/036518 Filing Date :13/05/2011

(87) International Publication No :WO 2011/143613

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

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

:G01N33/53,A61K31/716 (71)Name of Applicant :

1)ALLTECH INC.

Address of Applicant :3031 Catnip Hill Pike Nicholasville

Kentucky 40345 U.S.A. (72)Name of Inventor: 1)MORAN Colm

2)KWIATKOWSKI Stefan 3)YIANNIKOURIS Alexandros 4)THIELEN Ursula Anne

#### (57) Abstract:

The present invention relates to animal feed additives and detection thereof in feed products. Additionally the present invention relates to yeast cell wall components their methods of isolation and compositions and methods for the immunological detection thereof.

No. of Pages: 112 No. of Claims: 43

(21) Application No.9226/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A HANDLE FOR A BAT

(51) International classification	:A63B59/08,A63B59/00	(71)Name of Applicant:
(31) Priority Document No	:2013901118	1)DIAS Randika
(32) Priority Date	:02/04/2013	Address of Applicant :512/3 Ferntree Place Epping New South
(33) Name of priority country	:Australia	Wales 2121 Australia
(86) International Application No	:PCT/AU2014/000351	(72)Name of Inventor:
Filing Date	:02/04/2014	1)DIAS Randika
(87) International Publication No	:WO 2014/161035	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.ivA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A handle (10) for a bat (100) has a blade (12) with a cleft (13) and comprises: an elongate gripping portion (30) adapted to be gripped by a user, the gripping portion defining a first longitudinal axis (36) and having a first end (30a) and a second end (30b); an elongate splice (32) located at and extending away from the second end of the gripping portion, the splice having an end (30c) remote said the second end of the gripping portion, the splice defining a second longitudinal axis (38), wherein the splice is adapted, in use, to be joined to the cleft of the blade; and an angling means (34) for angularly displacing the second longitudinal axis relative to the first longitudinal axis, wherein the first longitudinal axis and the second longitudinal axis are angled by the angling means by not more than 45 degrees.

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

(21) Application No.9227/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: SLIM PROFILE LOUDSPEAKER

(51) International classification :H04R1/02,H04R1/40,H04R5/02 (71)Name of Applicant :

(31) Priority Document No :61/780521 (32) Priority Date :13/03/2013

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

(86) International Application No:PCT/US2014/022866

Filing Date :10/03/2014

(87) International Publication No: WO 2014/164573

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

:NA Number :NA Filing Date

(57) Abstract:

1)THX LTD

Address of Applicant :1255 Battery Street Suite 100 San

Francisco CA 94111 U.S.A. (72) Name of Inventor: 1)FINCHAM Lawrence R.

A narrow-profile balanced subwoofer or similar speaker includes a number of drivers placed side by side in the same lateral plane, with a first set of drivers facing one direction and second set of drivers facing the opposite direction. Their orientation is such that the sum of the forces from the first set of drivers is equal and opposite the sum of the forces from the second set of drivers, thus cancelling, and the sum of the moments from all of the drivers about a center or pivot point sub-stantially equals zero. The speaker may include three or more drivers, symmetrically or asymmetrically spaced. The drivers may be of the same or different sizes, and the audio signal amplitudes may be adjusted to help balance the speaker. Each set of drivers may output sound into separate sound ducts, which may output sound from one or more apertures.

No. of Pages: 52 No. of Claims: 42

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHODS FOR PURIFYING 5- (HALOMETHYL)FURFURAL

(51) International :C07D307/48,C07D315/00,B01D53/00 classification

(31) Priority Document No: 61/785760

(32) Priority Date :14/03/2013 (33) Name of priority

:U.S.A. country

(86) International

:PCT/US2014/024949 Application No

:12/03/2014 Filing Date

(87) International :WO 2014/159741 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)MICROMIDAS INC.

Address of Applicant: 930 Riverside Parkway Suite 10 West

Sacramento CA 95605 U.S.A.

(72) Name of Inventor:

1)WOOD Alex B.

2)BROWNING Shawn M. 3)MASUNO Makoto N.

4)SMITH Ryan L. 5)BISSELL John

6)HIRSCH WEIL Dimitri A.

### (57) Abstract:

The present disclosure provides methods for purifying a 5-(halomethyl) furfural composition, including 5-(cUoromethyl)furfural, at operating conditions that decrease or minimize the decomposition or degradation of 5-(cUoromethyl) furfural during the process. The methods may employ certain solvents, operating conditions, and/or techniques (e.g., gas stripping). The gaseous 5-(halomethyl)furfural produced from the process can be condensed or deposited to yield 5-(halomethyl)furfural in liquid or solid form. The solid 5- (halomethyl)furfural may be amorphous or crystalline.

No. of Pages: 31 No. of Claims: 20

(21) Application No.9229/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NUCLEI ACID AMPLIFICATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C12Q1/68,C12N15/11,C12M1/00 :61/800606 :15/03/2013	(71)Name of Applicant:  1)THERANOS INC.  Address of Applicant: 1701 Page Mill Rd Palo Alto CA 94304
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:PCT/US2014/030034 :15/03/2014 :WO 2014/145296 :NA :NA :NA	(72)Name of Inventor: 1)BELHOCINE Kamila 2)LEE Josephine 3)PATEL Pranav 4)RICHARDSON Aaron 5)TABAKMAN Scott

# (57) Abstract:

Methods and compositions for the amplification of nucleic acids and generation of concatemers are disclosed. Amplification methods provided herein may be performed under isothermal conditions. Methods and compositions may include reagents such as nucleic acid polymerases and primers.

No. of Pages: 154 No. of Claims: 66

(21) Application No.9205/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: THE PRODUCTION AND USE OF RED BLOOD CELLS

(51) International :C12N5/071,C12N5/00,A01N63/00

classification

(31) Priority Document No :61/776732 (32) Priority Date :11/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/022971

No :11/03/2014 Filing Date

(87) International Publication :WO 2014/164604

(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)TAIGA BIOTECHNOLOGIES INC.

Address of Applicant: 12635 E. Mounview Boulevard Suite

214 Aurora Colorado 80045 U.S.A.

(72) Name of Inventor:

1)TURNER Brian Curtis

2) REFAELI Yosef

3)BIRD Gregory A.

The present disclosure relates to the production of red blood cells from hematopoietic stem cells, by differentiating such cells in the presence of a protein that induces cell survival and proliferation.

No. of Pages: 151 No. of Claims: 39

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

(21) Application No.9206/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EXPANSION OF ADULT STEM CELLS IN VITRO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C12N5/00,C12N5/071 :61/776422 :11/03/2013 :U.S.A. :PCT/US2014/022977 :11/03/2014 :WO 2014/164606 :NA :NA	(71)Name of Applicant:  1)TAIGA BIOTECHNOLOGIES INC.  Address of Applicant: 12635 E. Mounview Boulevard Suite 214 Aurora Colorado 80045 U.S.A. (72)Name of Inventor:  1)TURNER Brian Curtis 2)REFAELI Yosef 3)BIRD Gregory A.
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Disclosed are methods for manipulating and expanding stem cell populations, including adult stem cells, the cells produced by such methods, and various protein constructs related thereto.

No. of Pages: 103 No. of Claims: 58

(21) Application No.9207/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TREATMENT OF TAILING STREAMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C04B28/24,C10G1/04 :61/804263 :22/03/2013 :U.S.A. :PCT/US2014/031272 :20/03/2014 :WO 2014/153431 :NA :NA	(71)Name of Applicant:  1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant: 1007 Market Street Wilmington Delaware 19801 U.S.A. (72)Name of Inventor: 1)MOFFETT Robert Harvey
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This disclosure relates to a process for treating a tailings stream comprising water, solids, and optionally polyacrylamide. The process involves (a) contacting the tailings stream with a silicate source for a pre-determined period of time to form a mixture; b) after the pre-determined period of time, contacting the mixture with an activator to initiate gel formation, wherein the gelentraps the solids within the gel; and c) allowing the gel to strengthen and solidify; wherein the gel formation is delayed compared with a non-delayed process.

No. of Pages: 33 No. of Claims: 22

(21) Application No.9883/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: REVISION HIP IMPLANTS AND PROSTHESIS 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:18/05/2011 :WO/2011/146617 :NA :NA	(71)Name of Applicant:  1)SMITH & NEPHEWÂ INC.  Address of Applicant:1450 Brooks Road MemphisÂ  Tennessee 38116 U.S.A.  (72)Name of Inventor:  1)STEVEN H. WEEDEN
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Revision hip implants and prosthesis systems include femoral heads, cups, screws, bridges, and segmental prostheses for revision surgeries.

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

V

(21) Application No.9884/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention: "STIMULUS RESPONSIVE POLYMERS FOR THE PURIFICATION OF BIOMOLECULES†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C08F :61/395,769 :17/05/2010 :U.S.A. :PCT/US2011/036648 :16/05/2011 : NA :NA :NA	(71)Name of Applicant:  1)EMD MILLIPORE CORPORATION Address of Applicant:290 Concord Road Billerica MA 01821 U.S.A. (72)Name of Inventor: 1)JAD JABER 2)WILSON MOYA 3)JAMES HAMZIK 4)AREZKI BOUDIF 5)YU ZHANG 6)NEIL SOICE 7)JOHN CHARKOUDIAN 8)NRIPEN SINGH
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(57) Abstract : See the WIPO

No. of Pages: 114 No. of Claims: 39

(21) Application No.9885/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : THERAPEUTIC REGIMEN AND METHOD FOR TREATING OR AMELIORATING VISUAL DISORDERS ASSOCIATED WITH AN ENDOGENOUS RETINOID DEFICIENCY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 :61/325,763 :19/04/2010 :U.S.A. :PCT/IB2011/001294 :19/04/2011 :WO/2011/132084 :NA :NA :NA	(71)Name of Applicant:  1)QLT INC.  Address of Applicant:Suite 101-887 Great Northern WayÂ Vancouver British Columbia V5T 4T5 Canada (72)Name of Inventor:  1)ANDREW H. STRONG 2)SUZANNE CADDEN
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#### (57) Abstract:

Disclosed herein are therapeutic regimens for treating or ameliorating a visual disorder associate with an endogenous retinoid deficiency in a subject by administering a therapeutically effective amount of a synthetic retinal derivative or a pharmaceutically acceptable composition comprising a synthetic retinal derivative according to the therapeutic regimen which leads to local recovery of visual functions such as visual fields, visual acuity and retinal sensitivity, among others.

No. of Pages: 103 No. of Claims: 33

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "HE T DRIVEN SELF-CIRCULATING FLUID HEATING AND STORAGE TANK AND SYSTEM†•

#### (57) Abstract:

A fluid heating and storage tank with double walls is provided. The tank includes two couples of inlets and outlets for second fluid, which is a liquid. The tank further includes at least one breathing port, which connected to the second space and at least one apparatus for condensing and reclaiming of the liquid vapor and is mounted at the breathing port. A heat driven and self- circulating fluid heating and storage system incorporating the fluid heating and storage tank may be provided with one or two heaters. The heaters may use the same or different energy resources. The system can have the double solar heat collectors orientated in any angle, especially in 90 degree and 180 degree. These solar heating systems may be used to form the module units of the building roofs, fences and verandas etc.

No. of Pages: 36 No. of Claims: 20

(21) Application No.9118/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS FOR PREPARING A COPOLYMER

(51) International :C08G63/08,C08G63/82,C08L67/04

classification (31) Priority Document No

:13001358.4 (32) Priority Date :18/03/2013 (33) Name of priority country: EPO

(86) International Application: PCT/IB2014/059897

:17/03/2014 Filing Date

(87) International Publication :WO 2014/147546

(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) SAUDI BASIC INDUSTRIES CORPORATION

Address of Applicant: P.o. Box 5101 Rivadh 11422 Saudi

Arabia

(72) Name of Inventor:

1)DUCHATEAU Robbert

2) PEPELS Mark Petrus Franciscus

#### (57) Abstract:

A process for preparing a copolymer comprising subjecting a first cyclic ester having a ring size from 4 to 1 1 atoms and a second cyclic ester having a ring size from 12 to 40 atoms to ring- opening copolymerization using as catalyst a compound offormula I, wherein M is trivalent Al, Ti, V, Cr, Mn, Co, yttrium, Sc or lanthanides; X and X are both a heteroatom; Y and Y are O, N, S or P; Z is a substituent as described herein; LI is an organ formula I ic moiety linking X and Y; L2 is an organic moiety linking X and Y; L3 is an organic moiety linking Y and Y and has a chain length between Y and Y of at least 2 atoms. The copolymer has a randomness of at least 0.5 and a number average molecular weight of at least 15000 g/mol.

No. of Pages: 33 No. of Claims: 15

(21) Application No.9119/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : NOVEL $\alpha 4\tilde{A}\ddot{Y}7$ PEPTIDE DIMER ANTAGONISTS

(51) International classification	:C07K7/08,A61K38/10	(71)Name of Applicant:
(31) Priority Document No	:61/807714	1)PROTAGONIST THERAPEUTICS INC.
(32) Priority Date	:02/04/2013	Address of Applicant :1455 Adams Drive, Suite 2003, Menlo
(33) Name of priority country	:U.S.A.	Park, California 94205 U.S.A.
(86) International Application No	:PCT/US2014/032391	(72)Name of Inventor:
Filing Date	:31/03/2014	1)BHANDARI Ashok
(87) International Publication No	:WO 2014/165448	2)PATEL Dinesh V.
(61) Patent of Addition to Application	:NA	3)MATTHEAKIS Larry C.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to disulfide -rich dimer molecules which inhibit binding of  $a4\tilde{A}\ddot{Y}7$  to the mucosal addressin cell adhesion molecule (MAdCAM) in vivo , and show high selectivity against  $a4\tilde{A}\ddot{Y}1$  binding.

No. of Pages: 175 No. of Claims: 50

(21) Application No.9844/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/11/2012 (43) Publication Date: 05/02/2016

## (54) Title of the invention: VESSEL OUTGASSING INSPECTION METHODS

(51) International :G01N15/08,G01M3/32,C23C16/00

classification

(31) Priority Document No :12/779007 (32) Priority Date :12/05/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/036358

:12/05/2011

Filing Date

(87) International Publication :WO 2011/143509

(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)CV HOLDINGS LLC

Address of Applicant: 1030 Riverfront Center Amsterdam

New York 12010 U.S.A. (72) Name of Inventor: 1)FELTS John T.

2)FISK Thomas E. 3)ABRAMS Robert S. 4)FERGUSON John

5)FREEDMAN Jonathan R. 6)PANGBORN Robert J. 7)SAGONA Peter J.

#### (57) Abstract:

A method for inspecting the product of a coating process is provided. Therein the release of at least one volatile species from the coated surface into the gas space adjacent to the coated surface is measured and the result is compared with the result for at least one reference object measured under the same test conditions. Thus the presence or absence of the coating and/or a physical and/or chemical property of the coating can be determined. The method is useful for inspecting any coated articles e.g. vessels. Its application on the inspection of PECVD coatings made from organosilicon precursors especially of barrier coatings is also disclosed.

No. of Pages: 185 No. of Claims: 31

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: GENERATOR MOTOR UNIT POWER OUTPUT ENGINE AND VEHICLE

(51) International

:H02K16/04,B60K6/485,B60L9/18 classification

:NA

(31) Priority Document No :2013046997 (32) Priority Date :08/03/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2013/083079

:10/12/2013 Filing Date

(87) International Publication :WO 2014/136343

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

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

Number Filing Date (71)Name of Applicant:

1)HONDA MOTOR CO. LTD.

Address of Applicant: 1 1 Minami Aoyama 2 chome Minato

ku Tokyo 1078556 Japan (72) Name of Inventor: 1)SONODA Yutaka 2)SHIOZAWA Tatsuya

3)OUCHI Katsuhiro 4)YANAGISAWA Takeshi

5)TAKAGI Ryota 6)KATAYAMA Atsushi 7) KUROSAKA Hitoshi

(57) Abstract:

This generator motor unit is provided with: a generator motor provided with a rotor provided with a magnet and magnetic bodies that protrude from a wall surface, a first stator that generates torque in the rotor due to a magnetic flux acting on the magnet, and a second stator that generates torque in the rotor due to a magnetic flux acting on the magnetic bodies; and a control unit that controls energization of coils of the first stator and the second stator.

No. of Pages: 44 No. of Claims: 13

(21) Application No.9138/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PHTHALAZINES AS POTASSIUM ION CHANNEL INHIBITORS

(51) International :C07D401/04,C07D401/12,C07D401/14 classification

(31) Priority Document

:61/775748

(32) Priority Date :11/03/2013

(33) Name of priority country

:U.S.A.

(86) International

:PCT/US2014/022252

Application No Filing Date

:10/03/2014

(87) International Publication No

:WO 2014/143608

(61) Patent of Addition to :NA

:NA

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

:NA

**Application Number** Filing Date

:NA

(71)Name of Applicant:

1)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and ProvinceLine Road

Princeton NJ 08543 U.S.A.

(72) Name of Inventor:

1)FINLAY Heather

2)ADISECHAN Ashok Kumar

3)GUNAGA Prashantha

4)LLOYD John

5)SRINIVASU Pothukanuri

(57) Abstract:

A compound of formula (I), wherein A, R1, R3, and R24 are described herein. The compounds are useful as inhibitors of potassium channel function and in the treatment and prevention of arrhythmia, I -associated disorders, and other disorders mediated by ion channel function.

No. of Pages: 116 No. of Claims: 16

(21) Application No.9139/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PYRROLOPYRIDAZINES AS POTASSIUM ION CHANNEL INHIBITORS

(51) International :C07D487/04,A61P9/00,A61K31/5025

classification (31) Priority Document No :61/775742

(31) Priority Document No :61/7/5/42 (32) Priority Date :11/03/2013 (33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2014/022238

Filing Date :10/03/2014

(87) International Publication No :WO 2014/143607

(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)BRISTOL MYERS SQUIBB COMPANY

Address of Applicant :Route 206 and ProvinceLine Road

Princeton New Jersey 08543 U.S.A.

(72)Name of Inventor: 1)FINLAY Heather

2)ADISECHAN Ashok Kumar

3)GUNAGA Prashantha

4)LLOYD John

5)SRINIVASU Pothukanuri

#### (57) Abstract:

A compound of formula (I) wherein A, R1, R3, and R24 are described herein. The compounds are useful as inhibitors of potassium channel function and in the treatment of arrhythmia, I -associated disorders, and other disorders mediated by ion channel function.

No. of Pages: 69 No. of Claims: 15

(21) Application No.9198/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CELL THERAPY: A METHOD AND A COMPOSITION FOR TREATING 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</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:C12N5/00,C12N5/071,C12N5/02 :61/798890 :15/03/2013 :U.S.A. :PCT/US2014/025246 :13/03/2014 :WO 2014/151229	(71)Name of Applicant:  1)PHILADELPHIA MEDICAL SCIENTIFIC CENTER  L.L.C.  Address of Applicant: 1695 Huntingdon Road Huntingdon  Valley Pennsylvania 19006 U.S.A.  (72)Name of Inventor:  1)BROYTMAN Vladislav  2)BROYTMAN Nikanor  3)SKALETSKIY Nikolay
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	O)SZEZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ

## (57) Abstract:

A method of increasing beta-islet cells from pancreases of rabbits and a composition for transplantation of beta-islet cells isolated and cultured from rabbit pancreases to promote natural insulin production among diabetic patients.

No. of Pages: 102 No. of Claims: 18

(21) Application No.9199/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention : SYNTHESIS OF PROTECTED 3'-AMINO NUCLEOSIDE MONOMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C07H19/06 :60/585,193 :02/07/2004 :U.S.A. :PCT/US2005/023633 :30/06/2005 :WO 2006/014387 :NA :NA :124/DELNP/2007 :04/01/2007	(71)Name of Applicant:  1)GERON CORPORATION Address of Applicant:230 Constitution Drive, Menlo Park, CA 94025, United States of America; U.S.A. (72)Name of Inventor: 1)GRYAZNOV, Sergei, M. 2)PONGRACZ, Krisztina 3)ZIELINSKA, Daria
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#### (57) Abstract:

Orthogonally protected  $3\hat{a}\in^{TM}$ -amino nucleoside monomers and efficient methods for their synthesis are described. The methods employ selective protection of the  $3\hat{a}\in^{TM}$ -amino group in the presence of the unprotected nucleoside base.

No. of Pages: 29 No. of Claims: 38

(21) Application No.9176/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: METHOD OF WATER PURIFICATION

(51) International classification: B01J37/08,B01J37/30,B01J21/16 (71) Name of Applicant: (31) Priority Document No :1305514.0

:24/03/2014

(32) Priority Date :26/03/2013

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

(86) International Application :PCT/GB2014/050919 No

Filing Date

(87) International Publication :WO 2014/155077

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

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

(57) Abstract:

1)UNIVERSITY OF CENTRAL LANCASHIRE

Address of Applicant: Preston Lancashire PR1 2HE U.K.

(72)Name of Inventor:

1)MCCABE Richard William

The present invention relates to a water-purifying composite material, especially a water-purifying composite material for use in the photocatalytic destruction of pollutants in water. The water-purifying composite materials of the invention are uniquely formed by growing crystals of photocatalytic metal compounds in situ within interlayer regions or pores within an aluminosilcate mineral structure, to thereby provide highly catalytic species for use in oxidative photocatalytic water treatments.

No. of Pages: 47 No. of Claims: 38

(22) Date of filing of Application :06/10/2015

(43) Publication Date: 05/02/2016

## (54) Title of the invention : SYSTEM AND METHOD TO DEFINE DRIVERS OF SOURCES ASSOCIATED WITH BIOLOGICAL RHYTHM 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> </ul>	:13/844562 :15/03/2013 :U.S.A.	(71)Name of Applicant:  1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  Address of Applicant:1111 Franklin Street 5th Floor Oakland California 94607 U.S.A.  2)TOPERA INC. (72)Name of Inventor:  1)NARAYAN Sanjiv
Number Filing Date (62) Divisional to Application Number	:NA :NA	2)BRIGGS Carey Robert 3)SEHRA Ruchir
Filing Date	:NA	

#### (57) Abstract:

A system and method of identifying a driver of a source associated with a heart rhythm disorder are disclosed. Data is accessed from a plurality of sensors representing biological activity in the heart. A local first region of the heart that has repeating activation and that controls a second distant region of the heart for at least a predetermined number of beats is identified. The first local region is assigned as a driver of a source of the heart rhythm disorder, the source including the first local region and the second distant region.

No. of Pages: 45 No. of Claims: 44

(21) Application No.9178/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention : PROCESS FOR MAKING HMF FROM SUGARS WITH REDUCED BYPRODUCT FORMATION AND IMPROVED STABILITY HMF COMPOSITIONS

(51) International (71) Name of Applicant: :A61K31/341,A61K31/70,A61K9/08 classification 1)ARCHER DANIELS MIDLAND COMPANY :61/782539 (31) Priority Document No Address of Applicant :4666 Faries Parkway Decatur Illinois (32) Priority Date :14/03/2013 62526 U.S.A. (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)SANBORN Alexandra (86) International 2)HAGBERG Erik :PCT/US2014/018186 Application No 3)HOWARD Stephen :25/02/2014 Filing Date 4)ROCKAFELLOW Erin M. (87) International :WO 2014/158554 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

Disclosed is a process for making HMF or a derivative of HMF by dehydrating one or more hexose sugars in a reduced oxygen environment, in another, related aspect, a method for improving the stability and resistance to degradation of an HMF product Involves adding one or more antioxidants to the HMF product.

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

(21) Application No.9893/DELNP/2012 A

(19) INDIA

(43) Publication Date: 05/02/2016 (22) Date of filing of Application :15/11/2012

(54) Title of the invention: METHOD AND APPARATUS FOR ALLOWING A SUBSCRIBER TO VIEW THE CALLING PARTY NUMBER FOR A CIRCUIT SWITCHED VOICE CALL PAGE WHILE ATTACHED TO A PACKET DATA NETWORK

(51) International :H04M3/42,H04M7/12,H04W68/12

classification :61/352559 (31) Priority Document No

(32) Priority Date :08/06/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/IB2011/052484

No

:07/06/2011 Filing Date

(87) International Publication :WO 2011/154901

(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)JANG Ke Chi 2)BIENN Marvin

#### (57) Abstract:

A single radio multimode mobile (SRMMM) of a circuit switched radio access technology (RAT) network and a packet data radio access technology (RAT) network including a network interlace unit attached to the packet data RAT network through which an active packet data session is maintained. The SRMMM includes a processing unit in communication with a network interface unit. The SRMMM includes a display on which the processing unit displays a calling party number associated with a circuit switched page request for a voice call A method of allowing a subscriber of a single radio multimode mobile (SRMMM) of a circuit switched radio access technology (RAT) network and a packet data radio access technology (RAT) network to view a calling party number including comprises the steps of attaching a network interface unit to the packet data RAT network through which an active packet data session is maintained. There is the step of displaying on a display a calling party number associated with a circuit switched page request for a voice call by a processing unit.

No. of Pages: 19 No. of Claims: 18

(21) Application No.9223/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: CAMELID COMPOUND(S), COMPOSITION(S) AND METHOD(S)

:A61K35/12,A61P35/00 (71)Name of Applicant : (51) International classification 1)APPLIED BIO RESEARCH INC. (31) Priority Document No :61/774206 (32) Priority Date :07/03/2013 Address of Applicant: 455 Pelissier St. Windsor Ontario (33) Name of priority country :U.S.A. N9A6Z9 Canada :PCT/IB2013/061374 (86) International Application No (72) Name of Inventor: Filing Date :27/12/2013 1)JASSIM Sabah Abdul Amer (87) International Publication No :WO 2014/135934 2)AL DOORI Atheer Abdulrazzaq Abdulazeez (61) Patent of Addition to Application 3)LIMOGES Richard George :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Described herein are compounds, compositions and methods for the treatment of a subject having cancer, skin conditions, blood flow and/or growth failure. In one aspect of the present invention, there is provided compositions and methods for treating a subject having cancer, skin conditions, blood flow and/or growth failure, comprising fat derived from a camel. There are also described sunscreen and photoprotective compounds, compositions and methods, comprising fat derived from a camel.

No. of Pages: 50 No. of Claims: 27

(21) Application No.9224/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: COMPOSITION AND METHOD FOR IMPROVEMENT IN FROTH FLOTATION

(51) International (71) Name of Applicant: :B01D19/02,B01D17/00,B03D1/001 classification 1)ECOLAB USA INC. Address of Applicant: 370 N. Wabasha Street St. Paul MN (31) Priority Document No :13/798965 (32) Priority Date :13/03/2013 55102 U.S.A. (33) Name of priority country:U.S.A. (72) Name of Inventor: (86) International 1)KOUZNETSOV Dmitri L. :PCT/US2014/016003 Application No :12/02/2014 Filing Date (87) International Publication :WO 2014/163769 (61) Patent of Addition to :NA Application Number :NA Filing Date

#### (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The invention provides methods and compositions for improving a froth flotation type separation. The method in volves adding a hydrocarbon reaction product to slurry to enhance the separation. The method is particularly effective with coal separation because it increases yield without increasing ash content of flotation concentrate.

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

:NA

:NA

(22) Date of filing of Application :22/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: UREA DERIVATIVES USEFUL AS KINASE INHIBITORS

(51) International :C07D403/12,C07D405/14,C07D213/74 classification

:1305945.6

(31) Priority Document

(32) Priority Date :02/04/2013 (33) Name of priority

:U.K. country

(86) International

:PCT/GB2014/051022 Application No :01/04/2014

Filing Date

(87) International :WO 2014/162126 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)RESPIVERT LIMITED

Address of Applicant: 50 100 Holmers Farm Way High

Wycombe Buckinghamshire HP12 4EG U.K.

2)TOPIVERT PHARMA LIMITED

(72)Name of Inventor:

1)FYFE Matthew Colin Thor 2)THOM Stephen Malcolm 3)BAKER Thomas Matthew

4)HARBOTTLE Gareth William

5)HASIMBEGOVIC Vedran 6)MEGHANI Premji

7) RIGBY Aaron

8)SAMBROOK SMITH Colin

#### (57) Abstract:

There are provided compounds of formula I, wherein R1A to R1E, R2 to R5, L and X1 to X3 have meanings given in the description, which compounds have antiinflammatory activity (e.g. through inhibition of one or more of members of: the family of p38 mitogenactivated protein kinase enzymes; Syk kinase; and members of the Src family of tyrosine kinases) and have use in therapy, including in pharmaceutical combinations, especially in the treatment of inflammatory diseases, including inflammatory dis eases of the lung, eye and intestines.

No. of Pages: 226 No. of Claims: 31

(21) Application No.9912/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: KINASE INHIBITOR

(51) International :C07D239/47,C07C311/08,A61K31/505 classification

(31) Priority Document

:1305945.6

(32) Priority Date :02/04/2013

(33) Name of priority :U.K.

country

(86) International

:PCT/GB2014/051018 Application No :01/04/2014

Filing Date

(87) International :WO 2014/162122 Publication No

(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)RESPIVERT LIMITED

Address of Applicant: 50 100 Holmers Farm Way High

Wycombe Buckinghamshire HP12 4EG U.K. 2)TOPIVERT PHARMA LIMITED

(72)Name of Inventor:

1)FYFE Matthew Colin Thor

## (57) Abstract:

There is provided a compound of formula (I), which compound has antiinflammatory activity (e.g. through inhibition of one or more of members of: the family of p38 mitogen-activated protein kinase enzymes; Syk kinase; and members of the Srcfamily of tyrosine kinases, e.g., Src and Lck) and has use in therapy, including in pharmaceutical combinations, especially in the treatment of inflammatory diseases, including inflammatory diseases of the lung, eye and intestines.

No. of Pages: 62 No. of Claims: 14

(21) Application No.9913/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PREDICTIVE BIOMARKER FOR CANCER THERAPY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01N33/50,G01N33/574 :1309657.3 :30/05/2013	(71)Name of Applicant:  1)MOLOGEN AG  Address of Applicant :Fabeckstraße 30 14195 Berlin
(33) Name of priority country	:U.K.	Germany
(86) International Application No Filing Date	:PCT/EP2014/059995 :15/05/2014	(72)Name of Inventor: 1)SCHROFF Matthias
(87) International Publication No	:WO 2014/191222	2)SCHMIDT Manuel
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KAPP Kerstin 4)WITTIG Burghardt
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates generally to the identification of patients suffering from cancer whether they will respond to specific therapies. More particularly the invention relates to a method and means for identifying responder to a therapy TLR- 9 agonists.

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

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention : SOLUBILIZATION OF CARBONACEOUS MATERIALS AND CONVERSION TO HYDROCARBONS AND OTHER USEFUL PRODUCTS

:C07C (51) International classification (71)Name of Applicant: (31) Priority Document No 1)CIRIS ENERGYÂ INC. :61/342,916 (32) Priority Date Address of Applicant :9155 East Nichols Avenue Suite :21/04/2010 (33) Name of priority country 200 Centennial CO 80122 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/000712 (72)Name of Inventor : Filing Date :21/04/2011 1)ROBERT A.DOWNEY (87) International Publication No :WO/2011/133218 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Methods of producing useful products, such as hydrocarbons and other molecules that are useful as fuels, from carbonaceous materials, are disclosed. Such methods include obtaining a carbonaceous material, such as coal, from a deposit and treating the carbonaceous material with one or more chemicals, including acetic acid, salts of acetic acid, esters of acetic acid, hydroxides and peroxides, alone or in combination, to solubilize the material in preparation for further processing, such as bioconversion, to produce useful products, or solubilizing the carbonaceous material in a formation using the above-recited chemicals, removing the solubilized material from the formation and bioconverting it to produce useful products, or solubilizing the material using the above-recited chemicals and bioconverting at least a portion of the solubilized material in a formation followed by recovery of useful products from the formation.

No. of Pages: 48 No. of Claims: 45

(21) Application No.9889/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: TUBING SET HAVING AN IMPROVED GATE FOR THE CONNECTION OF VIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:E05G :10162845.1 :14/05/2010 :EPO :PCT/EP2011/053936 :16/03/2011 :WO/2011/141200 :NA	(71)Name of Applicant:  1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant: Else-Kroener-Strasse 1 61352 Bad Homburg Germany (72)Name of Inventor: 1)MASSIMO FINI 2)ALAIN VENERONI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>		7
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention refers to a tubing set (12) suitable for use in co-operation with a medical liquid delivery device (10). The tubing set comprises: a delivery tube (68) suitable for supplying a medical liquid or blood to a patient; and a vial gate (24) for the connection of vials (26) containing drugs to be delivered into the medical liquid or blood. The vial gate comprises a delivery lumen (28), suitable for delivering the drug (30) from the vial to the delivery tube; and a vent lumen (32), suitable for providing a replacement fluid (34, 60) from a location (20, 64) inside the tubing set (12) to the inside of the vial in order to replace the delivered drug. The vial gate according to the invention further comprises at least one one-way valve (70, 72) placed along said vent lumen or said delivery lumen.

No. of Pages: 38 No. of Claims: 26

(21) Application No.9867/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the inve tion: "DELAYED COKING 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>	:61/324,625 :15/04/2010 :U.S.A. :PC /US2011/031662 :08/04/2011 :WO/2011/130103 :NA	(71)Name of Applicant:  1)LUMMUS TECHNOLOGY INC.  Address of Applicant: 1515 Broad Street Bloomfield NJ 07003 U.S.A. (72)Name of Inventor:  1)KENNETH A CATALA
<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 delayed coking heater for heating a feedstock to delayed coking temperature is disclosed. The delayed coking heater may include: a heater including a radiant heating zone comprising a lower portion including a hearth burner section and an upper portion including a wall burner section, the hearth burner section comprising a plurality of hearth burners located adjacent to the bottom hearth for firing in the radiant heating zone; and the wall burner section comprising a plurality of wall burners located adjacent to opposing walls; and a multiple parallel serpentine heating coil located in the radiant heating zone.

No. of Pages: 18 No. of Claims: 9

(21) Application No.9187/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: ABLATIVE IMMUNOTHERAPY

(51) International :C12N5/0783,A61K35/12,A61P35/00

classification (31) Priority Document No :13/796171 (32) Priority Date :12/03/2013

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

country (86) International

Application No :PCT/US2014/022287

Filing Date :10/03/2014

(87) International Publication No :WO 2014/164396

(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)IMMUNOVATIVE THERAPIES LTD.

Address of Applicant : Malcha Technology Park Building

N°1 First Floor Jerusalem Israel

(72)Name of Inventor: 1)HAR NOY Michael

## (57) Abstract:

The disclosure herein relates generally to immunotherapy and, more specifically, to the use of immunotherapy for treating tumors and pathogen infected tissues. The immunotherapy relates to first priming patients with allogeneic cells designed to be rejected by a Thl mediated mechanism, then inducing in situ necrosis or apoptosis in a tumor or pathogen infected lesion. Necrosis or apoptosis can be induced by methods such as cryotherapy, irreversible electroporation, chemotherapy, radiation therapy, ultra sound therapy, ethanol chemoablation, microwave thermal ablation, radiofrequency energy or a combination thereof applied against at least a portion of the tumor or pathogen infected tissue. One or more doses of allogeneic cells (e.g., Thl cells) are then delivered within or proximate to the tumor or pathogen-infected tissue in the primed patient. The present invention provides an immunotherapeutic strategy to develop denovo systemic (adaptive) immunity to a tumor or pathogen.

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

(21) Application No.9067/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PROCESS FOR FILTERING MOLTEN IRON.

(51) International classification	:B01D 39/20	(71)Name of Applicant:
(31) Priority Document No	:60/706,577	1)PORVAIR PLC
(32) Priority Date	:09/08/2005	Address of Applicant :BRAMPTON HOUSE, 50 BERGEN
(33) Name of priority country	:U.S.A.	WAY, KING'S LYNN, NORFOLK PE30 2JG, UNITED
(86) International Application No	:PCT/US2006/030953	KINGDOM, U.K.
Filing Date	:04/08/2006	(72)Name of Inventor:
(87) International Publication No	:WO 2007/021705	1)OLSON, RUDOLPH A.
(61) Patent of Addition to Application	:NA	2)AUBREY, LEONARD S.
Number		3)CHI, FENG
Filing Date	:NA	4)PLANTEC, CHRISTOPHER J.
(62) Divisional to Application Number	:2015/DELNP/2008	5)REDDEN, MYRON K.
Filed on	:07/03/2008	6)HAACK, DAVID P.

#### (57) Abstract:

A process for filtering molten iron comprising: preparing a ceramic foam filter by the steps of: preparing a ceramic precursor comprising: 35-70 wt % refractory aluminosilicate; 10-30 wt % colloidal silica; 0-2 wt % bentonite; 0-35 wt % fuming silica; 0-10 wt % pore formers; and solvent; impregnating an organic foam with said ceramic precursor; heating said impregnated organic foam to a temperature sufficient to volatilize said organic foam and sinter said ceramic precursor to form a filter; and passing molten iron through said filter wherein FeO slag is retained by said filter.

No. of Pages: 24 No. of Claims: 15

(21) Application No.9237/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: ANTI- REFLECTIVE FILM FOR PHOTOVOLTAIC ARRAYS

:NA

(51) International classification :G02B1/11,H01L31/ (31) Priority Document No :61/804895 (32) Priority Date :25/03/2013

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

(86) International Application No
Filing Date

PCT/US2014/031438

:21/03/2014

(87) International Publication No :WO 2014/160606

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

:G02B1/11,H01L31/0216 (71)Name of Applicant :

1)ROHM AND HAAS COMPANY

Address of Applicant :100 Independence Mall West

Philadelphia PA 19106 U.S.A.

(72) Name of Inventor:

1)GRIFFITH William B.

2)LAFLEUR Edward

3)NUNGESSER Edwin Hugh

#### (57) Abstract:

Filing Date

A film containing polymeric particles which have an average particle diameter from 0.75 to 15 m and a refractive index which changes continuously from the center of the particles to the surface. The particles are embedded in a continuous polymeric phase comprising a polyoleiin. The average refractive index difference measured from 400 nm to 800 nm between the polymeric particles and the continuous polymeric phase is no greater than 0.02.

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

(22) Date of filing of Application :07/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: TRANSLUCENT POLYOLEFIN FILM FOR PACKAGING APPLICATIONS

(51) International classification :C09D7/12,C08J5/18,C09D123/04 (71)Name of Applicant: (31) Priority Document No :61/804894 1) ROHM AND HAAS COMPANY (32) Priority Date :25/03/2013 Address of Applicant: 100 Independence Mall West (33) Name of priority country Philadelphia PA 19106 U.S.A. :U.S.A. (86) International Application 2)DOW GLOBAL TECHNOLOGIES LLC :PCT/US2014/031440 (72)Name of Inventor: No :21/03/2014 Filing Date 1)CHEN Xuming 2)HERNANDEZ Claudia (87) International Publication :WO 2014/160607 3)LAFLEUR Edward (61) Patent of Addition to 4) NUNGESSER Edwin Hugh :NA **Application Number** 5)RAY Himal :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A film comprising from 1 to 50 wt% of polymeric particles having: (a) an average particle diameter from 0.5 to 15 ? m; (b) a refractive index from 1.46 to 1.7; and (c) at least 60% polymerized residues of acrylic monomers; and a continuous polymeric phase comprising a polyoleiin; wherein an average refractive index difference measured from 400 nm to 800 nm between the polymeric particles and the continuous polymeric phase is at least 0.03.

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

(21) Application No.9239/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:07/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS FOR PREPARING DIARYL OXIDES BY DECARBOXYLATION

(51) International

:C07C41/01,C07C43/275,C09K5/00

classification

(31) Priority Document No

:61/805663 :27/03/2013

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

No

(86) International Application :PCT/US2014/031153 :19/03/2014

Filing Date

(87) International Publication :WO 2014/160562

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

Filing Date

(62) Divisional to Application:NA Number :NA

Filing Date

(71) Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A.

2) ROHM AND HAAS COMPANY

(72)Name of Inventor:

1)ELOWE Paul R.

2)HAN Scott

3)KING Stephen W.

4) RAND Cynthia L.

(57) Abstract:

Provided is a process for the preparation of diaryl oxide compounds. The process uses a mixed metal oxide catalyst containing oxides of aluminum and magnesium to decarboxylate a diaryl carbonate compound to yield the diaryl oxide compound.

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

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PROCESSES AND INTERMEDIATES FOR MAKING A JAK INHIBITOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International</li> </ul>	:C0/D48//04,C0/F5/04,C0/D401/14 :61/773659 :06/03/2013 :U.S.A. :PCT/US2014/020554 :05/03/2014	(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)LIU Pingli 2)WANG Dengjin 3)WU Yongzhong 4)CAO Ganfeng
Publication No	:WO 2014/138168	5)XIA Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to processes and intermediates for making {1- {1- [3-fluoro -2-(trifluoromethyl)isonicotinoyl]piperidin- 4-yl}-3- [4- (7H -pyrrolo[2, 3-d]pyrimidin- 4-yl)- 1H- pyrazol- 1-yl]azetidin -3-yl}acetonitrile ,useful in the treatment of diseases related to the activity of Janus kinases (JAK) including inflammatory disorders, autoimmune disorders, cancer, and other diseases.

No. of Pages: 87 No. of Claims: 62

(21) Application No.9190/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: PLATED STEEL SHEET FOR HOT PRESSING PROCESS FOR HOT PRESSING PLATED STEEL SHEET AND AUTOMOBILE PART

(51) International classification: C23C2/12,B21D22/20,C22C21/00 (71) Name of Applicant:

:14/04/2014

(31) Priority Document No :2013087772 (32) Priority Date :18/04/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/060588

Filing Date :WO 2014/171417

(87) International Publication

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

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

Filing Date

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan

(72)Name of Inventor:

1)MAKI Jun

2)YAMANAKA Shintaro

3)KUROSAKI Masao

## (57) Abstract:

The purpose of the present invention is to provide: a plated steel sheet for hot pressing said plated steel sheet having a smaller coating quantity and nevertheless exhibiting excellent lubricity, and being capable of ensuring improvement in the formability and productivity in hot pressing and improvement in the chemical convertibility in chemical conversion treatment subsequent to the hot pressing; a process for hot pressing a plated steel sheet; and an automobile part produced by the process. The purpose can be attained by providing, on one or both surfaces of a steel sheet, both an Al deposit layer which comprises Al as an essential component and further contains one or more elements selected from among Mg, Ca, Sr, Li, Na and K in a total amount of 0.02 to 2mass% and a surface coating layer which is laminated on the Al deposit layer and which comprises ZnO as an essential component.

No. of Pages: 41 No. of Claims: 9

(21) Application No.9191/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DETERMINING MESSAGE DATA TO PRESENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G06F15/16 :201310231094.9 :09/06/2013 :China :PCT/US2014/041295 :06/06/2014 :WO 2014/200853 :NA :NA :NA	(71)Name of Applicant:  1)ALIBABA GROUP HOLDING LIMITED  Address of Applicant: Fourth Floor One Capital Place P.O.  Box 847 George Town Grand Cayman Cayman Island (72)Name of Inventor:  1)PENG Meng
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#### (57) Abstract:

Determining message data to present based on a message is disclosed, including: identifying a web address included in a message sent from a first instant messaging client to a second instant messaging client; extracting identifying information to use to identify page content from the web address; retrieving message data corresponding to the identifying information including by sending a processing request to a server; and presenting the message data within a display window of the second instant messaging client.

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

(22) Date of filing of Application :03/10/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: COMMON LIGHT CHAIN MOUSE

(51) International :C07K16/00,C07K16/46,A01K67/027

classification (31) Priority Document No :13/798310 (32) Priority Date :13/03/2013

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

(86) International :PCT/US2014/025982

Application No Filing Date :13/03/2014

(87) International Publication No :WO 2014/160179

(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)REGENERON PHARMACEUTICALS INC.
Address of Applicant :777 Old Saw Mill River Road

Tarrytown New York 10591 U.S.A.

(72)Name of Inventor:

1)BABB Robert 2)MCWHIRTER John

3)MACDONALD Lynn 4)STEVENS Sean 5)DAVIS Samuel

6)BUCKLER David R. 7)MEAGHER Karolina A. 8)MURPHY Andrew J. 9)LEVENKOVA Natasha

#### (57) Abstract:

A genetically modified mouse is provided wherein the mouse expresses an immunoglobulin light chain repertoire characterized by a limited number of light chain variable domains. Mice are provided that express just one or a few immunoglobulin light chain variable domains from a limited repertoire in their germline. Methods for making bispecific antibodies having universal light chains using mice as described herein including human light chain variable regions are provided. Methods for making human variable regions suitable for use in multispecific binding proteins e.g. bispecific antibodies and host cells are provided. Bispecific antibodies capable of binding first and second antigens are provided wherein the first and second antigens are separate epitopes of a single protein or separate epitopes on two different proteins are provided.

No. of Pages: 150 No. of Claims: 52

(21) Application No.9200/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention : SYNTHESIS OF PROTECTED 3'-AMINO NUCLEOSIDE MONOMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:30/06/2005 : NA :NA :NA :124/DELNP/2007	(71)Name of Applicant:  1)GERON CORPORATION Address of Applicant: 230 Constitution Drive, Menlo Park, CA 94025, United States of America; U.S.A. (72)Name of Inventor: 1)GRYAZNOV, Sergei, M. 2)PONGRACZ, Krisztina 3)ZIELINSKA, Daria
(62) Divisional to Application Number Filed on	:124/DELNP/2007 :04/01/2007	

#### (57) Abstract:

Orthogonally protected  $3\hat{a}\in^{TM}$ -amino nucleoside monomers and efficient methods for their synthesis are described. The methods employ selective protection of the  $3\hat{a}\in^{TM}$ -amino group in the presence of the unprotected nucleoside base.

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

(22) Date of filing of Application :07/04/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : ARTIFICIAL IMPLANT FOR ATLAS-AXIS (C1-2) LATERAL JOINTS AND METHOD OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)DR. PRAVIN SALUNKE  Address of Applicant: HOUSE NUMBER - 1239 SECTOR  43-B CHANDIGARH Chandigarh India  (72)Name of Inventor:  1)DR. PRAVIN SALUNKE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The joint implant of the present invention is fitted into C1-2 lateral joints through the back of the neck instead of oral approach to avoid infections. It is made of 2 inter-digitating components. One part of the joint implant has a circular railing circumference of a circle, the center of which is odontoid, that inter-digitates in a corresponding circular channel of the other part. Two such implants are fixed on both sides of C1-2 joint simultaneously along the circumference. The circular railings provide mainly circular motion in clockwise and anti-clockwise direction. With some degree of play in channel and rail and making the interacting surfaces of the implant convex on convex, provides the gyroscopic motion with lateral and translational movement and also coupling (vertical translation on rotational movement). This gyroscopic design makes it universal and is likely to work in C1-2 joints of every individual with any possible joint orientation.

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

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention : "APPARATUS AND METHODS FOR ESTIMATING TOOL INCLINATION USING BIT-BASED GAMMA RAY SENSORS†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:19/04/2011 :WO/2011/133544 :NA :NA	(71)Name of Applicant:  1)BAKER HUGHES INCORPORATED  Address of Applicant: P.O. Box 4740 Houston Texas  77210-4740Â U.S.A.  (72)Name of Inventor:  1)TU TIEN TRINH  2)ERIC SULLIVAN  3)XIAOMIN C. CHENG
- 10.0000	:NA :NA :NA	

#### (57) Abstract:

A drill bit made according to one embodiment may include a bit body having a longitudinal axis, a plurality of gamma sensors placed in the bit body, at least two gamma ray sensors in the plurality of sensors are spaced-apart from each other along the longitudinal axis of the bit body, wherein each such sensor in the plurality of sensors is configured to detect gamma rays from the formation during drilling of the wellbore and to provide signals representative of the detected gamma rays, and a circuit configured to process at least partially the signals from each of the at least two gamma ray sensors for estimating an inclination of the bit body relative to the longitudinal axis.

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

(21) Application No.9832/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the nvention: "TIRE SEALER AND INFLATOR 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>		<ul> <li>(71)Name of Applicant:</li> <li>1)PRESTONE PRODUCTS CORPORATION.</li> <li>Address of Applicant: 1900 West Field Court Lake ForestÂ</li> <li>IL 60045 Â USA U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)Mark Veselinovich ALEXANDER</li> <li>2)EDWARD T. TURNER</li> <li>3)COLIN M. DILLEY</li> </ul>
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#### (57) Abstract:

Disclosed herein is a sealer and inflator composition, comprising: a concentrate; and a propellant/inflator comprising tetrafluoropropene. Also disclosed is a container comprising the sealer and inflator composition as well as a method for using the sealer and inflator composition to inflate an inflatable object.

No. of Pages: 16 No. of Claims: 17

(21) Application No.9833/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : $\hat{a} \in \omega$ MOLD-TOOL SYSTEM INCLUDING RETRACTABLE-SUPPORT ASSEMBLY TO REDUCE SUPPORT FORCE TO RUNNER ASSEMBLY $\hat{a} \in \omega$

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) riority Date</li> <li>(33) Name of priority 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>	:03/05/2011 :WO/2011/142997	(71)Name of Applicant:  1)HUSKY INJECTION MOLDING SYSTEMS LTD.  Address of Applicant:500 Queen Street South BoltonÂ Ontario L7E 5S5Â Canada Canada (72)Name of Inventor:  1)BRIAN ESSER  2)Manon Danielle BELZILE
	:WO/2011/142997 :NA	2)Manon Danielle BELZILE
Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A mold-tool system (100), comprising: a runner assembly (102); and a retractable-support assembly (104) being at least partially unloaded from the runner assembly (102) so that heat loss from the runner assembly (102) is reduced at least in part.

No. of Pages: 39 No. of Claims: 23

(21) Application No.9834/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: "AN IMAGING APPARATUS FOR FLEXOGRAPHIC PRINTING†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:09/05/2011 :WO/2011/143091 :NA :NA :NA	(71)Name of Applicant:  1)EASTMAN KODAK COMPANY Address of Applicant: 343 State Street Rochester NY 14650-2201Â U.S.A. (72)Name of Inventor: 1)ALON SIMAN-TOV 2)OPHIRA MELAMED
Filing Date	:NA	

#### (57) Abstract:

An imaging apparatus for forming an image on a flexible media comprising: a carriage which moves relative to said flexible media; 5 an imaging head mounted on said carriage; an optical displacement sensor (ODS) mounted on said carriage for scanning a surface of said flexible media for anomalies; a microprocessor for processing data. from said ODS; wherein said microprocessor adjusts imaging data to 10 compensate said surface anomalies; and an imaging head for Writing an image on said flexible media.

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

(22) Date of filing of Application :30/11/2013 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CLUB FOOT ABDUCTION BRACE WITH DETACHABLE FOOTWEAR

(51) International classification	:A43B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. SIDDHARTHA SHARMA
(32) Priority Date	:NA	Address of Applicant :K-168, MDH Post Graduate Institute of
(33) Name of priority country	:NA	Medical Education and Research Sector 12, Chandigarh
(86) International Application No	:NA	Chandigarh India
Filing Date	:NA	2)DR. VISHAL KUMAR
(87) International Publication No	: NA	3)DR. PARIKSHAA GUPTA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR SHARMA SIDDHARTHA
(62) Divisional to Application Number	:NA	2)DR. VISHAL KUMAR
Filing Date	:NA	3)DR. PARIKSHAA GUPTA

#### (57) Abstract:

The present invention pertains to a foot abduction brace using sandals or the like with soft, stretchable and adjustable straps to allow a snug fit yet they do not completely cover the infantâ $\in$ <sup>TM</sup>s feet thereby preventing problems of excessive sweating and skin maceration. The brace has a quick detachment and attachment mechanism using which parents can very easily attach each of the sandals or the like to the bar after putting sandals one by one on the infantâ $\in$ <sup>TM</sup>s feet. Similarly quick detachment mechanism allows the easy detachment of the sandals or the like from the bar. The present invention also provides for an adjustable rotation platform which automatically ensures the correct degree of desired rotation of the foot.

No. of Pages: 22 No. of Claims: 8

(21) Application No.9179/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A SYSTEM FOR CONTROLLING AND OPTIMIZING INFORMATION DISTRIBUTION BETWEEN USERS IN AN INFORMATION EXCHANGE

(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 :NA :G06Q30/00 :726604039US :U.S.A. :PCT/US2014/0 :PCT/US2014/0 :WO 2014/1453 :NA :NA	Address of Applicant :PO Box 0050 New York NY 10101 U.S.A. (72)Name of Inventor:  1)MCFADDEN Brian
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

An automatic control system for regulating the information exchange between information producer and information consumer. One control mechanism can dynamically refine the decision to include or exclude information items from the consumer information stream to improve success metrics like participation. One or more system interface request control mechanisms can dynamically provide incentive and limits for the input of audience targets, priorities, preferences, and other data. An administrator may set parameters and select success metrics to balance the goals of the information exchange participants and stakeholders. The system can also serve to resolve conflicts between the selection criteria of a consumer and the audience targets of a producer.

No. of Pages: 35 No. of Claims: 19

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention : POWER DEMAND ESTIMATING DEVICE , METHOD , AND PROGRAM , AND DEMAND RESTRAINT PLANNING DEVICE

(51) International classification (31) Priority Document No	:H02J3/00,G06Q50/06 :2013054308	(71)Name of Applicant: 1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:15/03/2013	Address of Applicant :1 1 Shibaura 1 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1058001 Japan
(86) International Application No	:PCT/JP2014/053973	(72)Name of Inventor:
Filing Date	:20/02/2014	1)NODA Hideki
(87) International Publication No	:WO 2014/141841	2)TOBA Koji
(61) Patent of Addition to Application	:NA	3)MORIMOTO Takashi
Number	:NA	4)MIYAZAKI Kazuhiko
Filing Date	.IVA	5)NISHIMURA Noriko
(62) Divisional to Application Number	:NA	6)YAMADA Takahiro
Filing Date	:NA	

#### (57) Abstract:

A power demand estimating device (1) provided with a demand-data memory (9), a demand estimator (5), and a display (30). The demand data memory (9) stores a plurality of power-demand patterns (910) and temperature-categorized amount of power-demand data (920). The demand estimator (5) selects a demand pattern that corresponds to the environmental conditions of a date to be estimated: from the demand-data memory (9), acquires a maximum and minimum amount of power-demand for the predicted temperature for the date to be estimated: from the temperature-categorized amount of power-demand data(920), and, using those amounts, calculates the amount of power demand for each time unit of the date to be estimated so as to generate a demand estimation model (930). The display (30) displays the demand estimation model (930) and the power-demand pattern (910) selected by the data estimator (5).

No. of Pages: 72 No. of Claims: 12

(21) Application No.9181/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: NOVEL ANALOGUES OF EPICATECHIN AND RELATED POLYPHENOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61K31/353 :3104/DEL/2012 :04/04/2013 :India :PCT/IN2014/000213 :04/04/2014 :WO 2014/162320 :NA :NA :NA	(71)Name of Applicant:  1)SPHAERA PHARMA PVT. LTD.  Address of Applicant: Plot No. 32 Sector 5 IMT Manesar Haryana 122051 Haryana India (72)Name of Inventor:  1)DUGAR Sundeep  2)MAHAJAN Dinesh 3)RAI Kumar Santosh 4)SINGH Sarbjit 5)PATIL Ishwar Rakesh
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#### (57) Abstract:

The present invention provides novel analogues of epicatechin and related polyphenols, their variously functionalized derivatives, process for preparation of the same, composition comprising these compounds and their method of use.

No. of Pages: 77 No. of Claims: 11

(22) Date of filing of Application :03/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: TREATMENT OF TAILINGS STREAMS BY UNDERWATER SOLIDIFICATION

(51) International :C04B26/04,C04B26/10,C04B28/24 classification

(31) Priority Document No :61/808852 (32) Priority Date :05/04/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/032496

:01/04/2014

Filing Date

(87) International Publication :WO 2014/165493

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

Delaware 19801 U.S.A. (72) Name of Inventor:

1)MOFFETT Robert Harvey

## (57) Abstract:

This disclosure relates to a process for treating a tailings stream comprising water and solids. The process involves (a) contacting a gelling agent and an activator with the tailings stream, (b) entrapping the solids within a gel produced from the gelling agent, and (c) depositing the gel into a liquid. This disclosure also relates to a process for treating a tailings stream comprising water and solids beneath a liquid surface. The process involves (a) contacting a gelling agent and an activator with the tailings stream beneath the liquid surface, (b) entrapping the solids within a gel produced from the gelling agent.

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

(21) Application No.9115/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CONSTITUTIVE PROMOTER

(51) International classification	:C12N15/81	(71)Name of Applicant:
(31) Priority Document No	:13159527.4	1)LONZA LTD
(32) Priority Date	:15/03/2013	Address of Applicant :Lonzastraße CH 3930 Visp
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2013/077144	(72)Name of Inventor:
Filing Date	:18/12/2013	1)MATTANOVICH Diethard
(87) International Publication No	:WO 2014/139608	2)GASSER Brigitte
(61) Patent of Addition to Application	:NA	3)PRIELHOFER Roland
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an isolated nucleic acid sequence comprising a promoter, which is a native sequence of Pichia pastoris comprising the nucleic acid sequence of pCSl of SEQ ID 1, or a functionally active variant thereof which is a size variant, a mutant or hybrid of SEQ ID 1, or a combination thereof, expression constructs and recombinant host cells comprising the promoter, and a method of producing a protein of interest under the control of the promoter. It further relates to a method to identify a constitutive promoter from eukaryotic cells, and an isolated nucleic acid sequence comprising a promoter which when operatively linked to a nucleotide sequence encoding a protein of interest directs the expression thereof in a host cell at an expression level that is higher than under control of the native pGAP promoter at high and low growth rates.

No. of Pages: 88 No. of Claims: 22

(22) Date of filing of Application :05/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING ISOCYANATE

(51) International classification :C07C263/04,C07C263/20,C07C265/14

:29/03/2013

:Japan

(31) Priority Document

No.

:2013072441

(32) Priority Date(33) Name of priority

(33) Name of priority country

(86) International

Application No :PCT/JP2014/059187 :28/03/2014

Filing Date

(87) International Publication No :WO 2014/157636

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

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

(71)Name of Applicant:

1)ASAHI KASEI CHEMICALS CORPORATION

Address of Applicant: 1 105 Kanda Jinbocho Chiyoda ku

Tokyo 1018101 Japan

(72)Name of Inventor:
1)SHINOHATA Masaaki

2)TAKEUCHI Kouji 3)FUJIMOTO Naoki

4)MIYAKE Nobuhisa

## (57) Abstract:

A method for producing an isocyanate, comprising: a carbamation step of generating an N-substituted carbamate from an organic primary amine, urea and an organic hydroxy compound according to a carbamation reaction, and then recovering a first gaseous phase component containing the urea and/or a compound having a carbonyl group derived from the urea, the organic hydroxy compound, and ammonia; a condensation step of condensing the first gaseous phase component with a condenser; an isocyanate production step of producing an isocyanate by subjecting the N-substituted carbamate to pyrolysis; an ammonia absorption step of allowing a second gaseous phase component containing ammonia recovered as a gaseous phase component from the condenseras a main component, to be absorbed by absorption water, and generating gas-absorbed water; and an ammonia stripping step of heating the gas- absorbed water to separate ammonia from the gas- absorbed water.

No. of Pages: 451 No. of Claims: 13

(21) Application No.9217/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PUNCTURE PROOF AND BULLETPROOF TIRE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:1020130064648	1)LEE Jong Gyu
(32) Priority Date	:05/06/2013	Address of Applicant :(Widuk Samsung Town)112 111 166 11
(33) Name of priority country	:Republic of Korea	Donghae daero Gangdong myeon Gyeongju si Gyeongsangbuk do
(86) International Application No	:PCT/KR2013/007932	780 911 Republic of Korea
Filing Date	:03/09/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/196693	1)LEE Jong Gyu
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a puncture proof and bulletproof tire comprising a mixture of silicone rubber and spherical EVA foam which fills the inside of the tire without any air pressure. Accordingly the present invention not only can prevent tire punctures tears or ruptures caused by a nail an iron bar an iron plate a bullet or a variety of fragments but also allows a safe high speed driving of 100 km/h or higher even in a high temperature environment of 60? or higher and a low temperature environment of 60? or lower.

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

(21) Application No.9218/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANTIMICROBIAL COMPOSITIONS

(51) International :A01N35/04,A01P1/00,A01N31/02 classification

:06/03/2014

(31) Priority Document No :13158411.2 (32) Priority Date :08/03/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/054378

Filing Date

(87) International Publication :WO 2014/135650

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

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

(71) Name of Applicant:

1)SYMRISE AG

Address of Applicant :MÃ1/4hlenfeldstraße 1 37603

Holzminden Germany (72)Name of Inventor: 1)PESARO Manuel 2)HÃ-LSCHER Bernd 3)SCHMAUS Gerhard

4)KÃ-HLER Anja

(57) Abstract:

123Suggested is a antimicrobial agent An antimicrobial composition comprising (a) at least one acetophenone derivative of formula (I) in which R stands for hydrogen or methyl and R stands for hydrogen hydroxyl or a OCH group or a cosmetically or pharmaceutically acceptable salt thereof and (b) at least one second antimicrobial agent.

No. of Pages: 103 No. of Claims: 14

(21) Application No.9219/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: LEUCINE AND NICOTINIC ACID REDUCES LIPID LEVELS

(51) International classification :A61K31/51,A61P3/10,C12P13/06 (71)Name of Applicant : (31) Priority Document No :61/800363

(32) Priority Date :15/03/2013 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2014/026816 :13/03/2014

Filing Date (87) International Publication

:WO 2014/152016

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

:NA Number :NA Filing Date

1)NUSIRT SCIENCES INC.

Address of Applicant: 1600 Division Street Suite 580

Nashville TN 37203 U.S.A. (72) Name of Inventor:

1)ZEMEL Michael 2)BRUCKBAUER Antje

(57) Abstract:

Compositions methods, and kits useful for treating hyperlipidemic conditions are provided herein. Such compositions can contain synergizing amounts of nicotinic acid, nicotinamide riboside and/or nicotinic acid metabolites in combination with leucine and/or a leucine metabolite, with or without resveratrol.

No. of Pages: 72 No. of Claims: 102

(22) Date of filing of Application :11/10/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MICE EXPRESSING A LIMITED IMMUNOGLOBULIN LIGHT CHAIN REPERTOIRE

(51) International :A01K67/027,C12N15/85,C07K16/00

classification (31) Priority Document No :13/798455 (32) Priority Date :13/03/2013

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

(86) International

Application No Filing Date :PCT/US2014/026040 :13/03/2014

(87) International :WO 2014/160202

Publication No :WO 2014/

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

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

(71)Name of Applicant:

1)REGENERON PHARMACEUTICALS INC.
Address of Applicant:777 Old Saw Mill River Road

Tarrytown New York 10591 U.S.A.

(72)Name of Inventor:

1)BABB Robert

2)MCWHIRTER John 3)MACDONALD Lynn 4)STEVENS Sean

5)DAVIS Samuel 6)BUCKLER David R.

6)BUCKLER David R. 7)MEAGHER Karolina A. 8)MURPHY Andrew J.

## (57) Abstract:

A genetically modified mouse is provided, wherein the mouse expresses an immunoglobulin light chain repertoire characterized by a limited number of light chain variable domains. Mice are provided that present a choice of two human light chain variable gene segments such that the immunoglobulin light chains expresses by the mouse comprise one of the two human light chain variable gene segments. Methods for making bispecific antibodies having universal light chains using mice as described herein, including human light chain variable regions, are provided. Methods for making human variable regions suitable for use in multispecific binding proteins, e.g., bispecific antibodies, and host cells are provided.

No. of Pages: 170 No. of Claims: 47

(21) Application No.9454/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 11/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: LUBRICANT DEFOAMING ADDITIVES 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>	:C10M169/04 :61/794912 :15/03/2013 :U.S.A. :PCT/US2014/029022 :14/03/2014 :WO 2014/144558 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)TRANE INTERNATIONAL INC.</li> <li>Address of Applicant: One Centennial Avenue Piscataway</li> <li>New Jersey 08855 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)KUJAK Stephen Anthony</li> <li>2)MAJURIN Julie Ann</li> <li>3)STEINKE Daryl Dean</li> </ul>
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#### (57) Abstract:

Defoaming compounds that can be included in a HVAC system are provided. In some embodiments, the refrigerant compositions and/or additives may include one or more defoaming compounds that have one or more of the following properties: helping reduce a surface tension of the lubricant and/or refrigerant; having a different surface tension than the lubricant and/or refrigerant; being substantially non-dissolvable with the refrigerant and/or lubricant; and/or having less dense than the refrigerant and/or lubricant so that the compounds may stay on the surface of the refrigerant and/or lubricant. In some embodiments, the defoaming compounds may be selected from mineral oil, silicone based oil, fatty alcohols, fatty acids, alky amines, treated silica, aluminum oxide, polyacrylates, acrylate esters polypropylene, alkyl sulfates, alkyl ethoxylate sulfates, alkyl aryl sulfonates, phosphate esters, quaternary ammonium compounds, fatty amine salts, fatty acid amides, alkyl phenol ethoxylates, ethoxylate -propoxylate polymers and fatty alcohol ethoxylates.

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

(21) Application No.9827/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "WET-MATEABLE ELECTRICAL CONNECTOR†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:13/05/2011 :WO 2011/141565 :NA	(71)Name of Applicant:  1)ALSTOM HYDRO FRANCE Address of Applicant: 3 Avenue André Malraux F-92300 Levallois Perret France (72)Name of Inventor: 1)RICHARD ALLTON
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2011/141565	1)RICHARD ALL ION
Number Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A wet-mateable electrical connector comprises a vertically movable female connector unit 52 locatable over a vertically fixed male connector unit 50. The female connector unit 52 defines a chamber 62 containing a gas to exclude water and the like therefrom and having a closed upper end and an open lower end for receiving an upper end of the male connector unit 50. An insulating sheath 6 is locatable within the upper end of the female connector unit 52 to move it from a first position that protects a first electrical contactor 4 provided on the upper end of the male connector unit 50 to a second position that exposes the first electrical contactor 4. The upper end of the female connector unit 52 houses a second electrical contactor 3 which is engageable with the first electrical contactor 4 upon movement of the insulating sheath 6 from the first position to the second position.

No. of Pages: 46 No. of Claims: 44

(22) Date of filing of Application :14/11/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "NEW CYCLOHEXYLAMINE DERIVATIVES HAVING ?2 ADRENERGIC AGONIST AND M3 MUSCARINIC ANTAGONIST ACTIVITIES.†•

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:13/05/2011 :WO 2011/141180 :NA	(71)Name of Applicant:  1)ALMIRALLÂ S.A.  Address of Applicant:Ronda del General Mitre 151Â E- 08022 Barcelona Spain (72)Name of Inventor:  1)MARIA PRAT QUINONES  2)SILVIA FONQUERNA POU  3)CARLOS PUIG DURAN  4)WENCESLAO LUMERAS AMADOR
<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	3)CARLOS PUIG DURAN 4)WENCESLAO LUMERAS AMADOR 5)JOSE AIGUADE BOSCH 6)JUAN FRANCISCO CATURLA JAVALOYES
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel compounds having P2 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: 120 No. of Claims: 20

(21) Application No.9234/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015

(43) Publication Date: 05/02/2016

(54) Title of the invention: INFANT FORMULA WITH A LOW CONTENT OF MCFAS IN SPECIFIC PROPORTIONS AND A RELATIVELY HIGH CONTENT OF UNSATURATED FATTY ACIDS AND ITS USE IN PROMOTING THE HEALTHY ESTABLISHMENT OF COGNITIVE FUNCTION IN INFANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:13163186.3 :10/04/2013 :EPO	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestlé 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)DESTAILLATS Frederic 2)NAGY Kornél 3)THAKKAR Sagar
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention concerns a synthetic infant formula composition with a low content of medium-chain fatty acids in specific proportions and a relatively high content of unsaturated fatty acids, preferably polyunsaturated fatty acids. This composition is for infants, preferably preterm infants. This composition has been designed to promote the healthy establishment of cognitive function.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: COMPOSITIONS AND METHODS FOR INHOMOGENEOUS SODIUM DISTRIBUTION

(51) International :A23L1/237,A23L1/22,A23L1/0522 classification

(31) Priority Document No :61/822021

:10/05/2013 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2014/058861

:30/04/2014

Filing Date

(87) International Publication :WO 2014/180732

(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)NESTEC S.A.

Address of Applicant : Av. Nestlé 55 CH 1800 Vevey

Switzerland

(72) Name of Inventor:

1)WOO Kyungsoo

(57) Abstract:

A food composition comprises starch and sodium and enhances saltiness perception while maintaining good taste and texture. The sodium is added to the composition after a food polymer transition in which an insoluble starch gel is formed, and the food polymer has reduced affinity for sodium after the transition. As a result, the sodium is more in the aqueous phase of the com - position rather than in the polymer phase. Distribution of the sodium more in the aqueous phase causes the sodium to be more available for saltiness perception when the composition is consumed relative to compositions in which the sodium is mainly in the polymer phase. Potassium chloride can be added before the food polymer transition and entrapped or bound by the food polymer to decrease the sodium affinity of the food polymer and also mask the off taste associated with high levels of potassium chloride.

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

(21) Application No.9236/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/10/2015 (43) Publication Date: 05/02/2016

(54) Title of the invention: TREATMENT OF CATAPLEXY

(51) International

:A61K31/03,A61K31/198,C07C31/04

classification

(31) Priority Document No :61/778998

(32) Priority Date

:13/03/2013 :U.S.A.

:12/03/2014

:NA

:NA

:PCT/US2014/023969

:WO 2014/164969

country

(86) International

(33) Name of priority

Application No Filing Date

(87) International

Publication No

(61) Patent of Addition to

**Application Number** Filing Date

(62) Divisional to

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

(71)Name of Applicant:

1)AERIAL BIOPHARMA LLC

Address of Applicant :Suite 110 9001 Aerial Center Parkway

Morrisville North Carolina 27560 U.S.A.

2)SK BIOPHARMACEUTICALS CO. LTD.

(72)Name of Inventor:

1)KHAYRALLAH Moise A.

2)BREAM Gary

3)BUTTS Stephen E.

(57) Abstract:

The present invention relates to a method of treating cataplexy in a subject in need thereof, comprising administering to the subject a therapeutically effective amount of certain carbamate compounds.

No. of Pages: 34 No. of Claims: 22

# CONTINUED TO PART- 2

# **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2381/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :23/07/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : ULTRA-MICROPOROUS METAL ORGANIC FRAMEWORKS BASED ON ISONICOTINATE AND ITS DERIVATIVES FOR CO2 SEPARATION APPLICATIONS

	:	(71)Name of Applicant :
(51) International classification	A61K33/00,	1)INDIAN INSTITUTE OF SCIENCE EDUCATION AND
	A61K47/22	RESEARCH
(31) Priority Document No	:NA	Address of Applicant :Dr. Homi Bhabha Road, Pune-411008,
(32) Priority Date	:NA	Maharashtra, India. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)RAMANATHAN, Vaidhyanathan
Filing Date	:NA	2)NANDI, Shyamapada
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		<u> </u>

## (57) Abstract:

Disclosed herein are ultra-microporous metal organic frameworks based on isonicotinate and its derivatives that selectively and reversibly bind CO2 and can be used in methods for removing CO2 from a fluid stream containing at least CO2 and one other component. Also described are methods for preparing these NiMOF1 and NiMOF2. ACKNOWLEDGEMENT We thank Dr. Tom Woo from the Centre for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, Canada, for his help with obtaining some of the CO2 binding energies via computational simulations. We thank Enovex Inc., St. John, New Brunswick, Canada, for supporting part of our instrumentation.

No. of Pages: 57 No. of Claims: 13

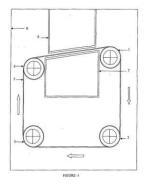
(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FULLY AUTOMATIC WATER FILTRATION UNIT.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B01D24/46, B01D24/12 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)GHODAKE SATWASHIL NANDAKUMAR Address of Applicant:BLDG.NO.33/9, SCHEME NO.6, SECTOR 21, YAMUNANAGAR, NIGDI, PUNE-411044 Maharashtra India (72)Name of Inventor: 1)GHODAKE SATWASHIL NANDAKUMAR
Filing Date	:NA :NA	

#### (57) Abstract:

Fully automatic filtration unit useful in very small quantity of water naturally filtrate. Where solid suspended particle are separated and pure water collected in quickly manner with wastage of water is very less. In this unit cotton cloth is overlap of four wheels. Wheels are mounted trapezoid shape in filtration unit and rotated in clockwise direction by using electric motor. Untreated water is come in inlet pipe of filtration unit and fall on cotton cloth. Due to porous in cotton cloth and gravitational force water is passes from cotton cloth. Pure water is collected in outlet pipe and discharge from filtration unit. Solid suspended particle remains on cotton cloth. Due to rotation of cotton cloth Solid suspended particle move upward direction and fall separately. This process continuously up to properly treat of water.



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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A SYSTEM AND METHOD FOR SEPARATION OF COLLOIDAL SUSPENSION FROM A SOLUTION OF ORGANIC COMPOUND AND APPLICATIONS THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G03G5/06 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED Address of Applicant: 3rd Floor, Maker Chamber-IV, 222, Nariman Point, Mumbai – 400 021, Maharashtra, India Maharashtra India (72)Name of Inventor: 1)NEMANI VENKATESWARA RAO 2)MANDAVA VENKATA SUBBARAO 3)ADDA RAMA RAO 4)AKSHYA KUMAR BAKSHI 5)MADDIRALA KRISHNA 6)ANANDAN ARUMUGAM
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#### (57) Abstract:

"A METHOD FOR SEPARATION OF COLLOIDAL SUSPENSION FROM A SOLUTION OF ORGANIC COMPOUND, A SYSTEM AND APPLICATIONS THEREOF†• ABSTRACT The present disclosure relates to a method for separation of colloidal suspension from a solution of organic compound, wherein the solution of organic compound includes but is not limited to hydrocarbon based solution. More particularly the method provides for removal of colloidal suspension from the solution to obtain clarified hydrocarbon based solution including but not limiting to the compound(s) from the diol family such as mono ethylene glycol (MEG), wherein said removal is achieved by contacting the solution with at least one flocculant followed by chemicals including but not limiting to precipitants. The disclosure also provides a system for carrying out the method of separating colloidal suspension from a solution of organic compound.

No. of Pages: 32 No. of Claims: 22

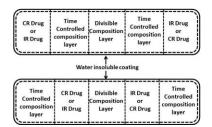
(22) Date of filing of Application :25/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A NOVEL DIVISIBLE PULSATILE DRUG DELIVERY SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:NA	(71)Name of Applicant: 1)JAYENDRAKUMAR DASHARATHLAL PATEL
(32) Priority Date	:NA	Address of Applicant :B-26, R V BUNGALOWS,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :PCT//	MANIPURA ROAD, NEAR T B HOSPITAL, CITY - VIJAPUR, DIST - MEHSANA, STATE - GUJARAT, INDIA - 382870
Filing Date		Gujarat India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)JAYENDRAKUMAR DASHARATHLAL PATEL
Filing Date	:NA	2)SHWETABEN DASHARATHLAL PATEL
(62) Divisional to Application Number	:NA	3)KAUSHIKAKUMARI PATEL
Filing Date	:NA	4)PAYAL PATEL

## (57) Abstract:

A novel divisible pulsatile drug delivery system and methods of preparing a novel divisible pulsatile drug delivery system are described in present invention. The present invention provides a novel divisible pulsatile drug delivery system, which is divisible from specific region of dosage form into two or more segment without compromise with lag time of drug release from drug delivery system. Present invention also provide a pulsatile drug delivery system having adjustable lag time for release of drug from dosage form before administration.



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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: INHALER DOSE COUNTER

(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 : No	: A61M15/00 :NA :NA :NA :NA :PCT/// :01/01/1900 : NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :
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#### (57) Abstract:

A dose counting mechanism for indicating the quantity of dosage available within a metered dose inhaler having a canister with an aerosol fluid and a housing body for housing the canister, wherein a wall of the housing body includes formations to support a resilient element, a wheel formation, a elongate threaded element, and a threaded formation including a pointer. The depressing of the canister to release aerosol fluid displaces the resilient element which engages with the wheel formation to rotate the wheel formation. The elongate threaded element engages with the wheel formation such that the rotation of the wheel formation causes rotational movement of the elongate element. The threaded formation engages with the elongate element whereby the rotational movement of the elongate element causes the linear displacement of the threaded formation and the pointer, whereby the position of the pointer indicates the quantity of fluid within the canister. Fig.1

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DIRECTLY COMPRESSED OSPEMIFENE COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: A61K9/20, A61K31/085 :NA :NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant: ZYDUS TOWER, SATELLITE  CROSS ROADS, AHMEDABAD – 380015 GUJARAT, INDIA Gujarat India  (72)Name of Inventor:  1)KULKARNI SUSHRUT KRISHNAJI  2)MEHTA PAVAK RAJNIKANT  3)KAPOOR RITESH
Filing Date	:NA	

## (57) Abstract:

The present invention relates to pharmaceutical compositions comprising ospemifene or a pharmaceutically acceptable salt thereof prepared by direct compression process. The compositions of the invention may be advantageously used for the treatment or prevention of atrophy-related diseases or disorders in women, especially in women during or after the menopause.

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A PROCESS FOR PREPARATION OF ANAGLIPTIN HYDROCHLORIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	: C07D487/04 :NA	(71)Name of Applicant: 1)LUPIN LIMITED Address of Applicant: 159 CST Road, Kalina, Santacruz
(32) Priority Date	:NA	(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)ANSARI, Shahid, Akhtar
(87) International Publication No	: NA	2)YADAV, Ashok, Keshavlal
(61) Patent of Addition to Application Number	:NA	3)PATIL, Tushar, Yashwant
Filing Date	:NA	4)PATHAK, Dharmendrakumar, Shripati
(62) Divisional to Application Number	:NA	5)BARIA, Reenaben, Ratansing
Filing Date	:NA	6)PATIL, Shashikant, Prabhakar

## (57) Abstract:

The present invention relates to process for preparing dipeptidyl peptidase IV inhibitor Anagliptin free base or its hydrochloride salt by using novel methane sulfonic acid salt of (2S)-1-{[(1-Amino-2-methylpropan-2-yl) amino] acetyl} pyrrolidine-2-carbonitrile (formula IIa). Anagliptin is used for the treatment of diabetes.

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A PROCESS FOR MANUFACTURING CHLORINATED POLYVINYLCHLORIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(26) International Application No.</li> </ul>	C08F8/00 :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
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MUNSHI PRADIP
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)MATHUR AJIT BEHARI 3)INGLE NINAD DEEPAK
Filing Date (62) Divisional to Application Number	:NA :NA	4)KAPADIA PRADEEP PARESH 5)JASRA, RAKSH VIR
Filing Date	:NA	

## (57) Abstract:

The present disclosure provides a process for the chlorination of polyvinyl chloride. The PVC obtained during the suspension polymerization reaction is directly used for chlorination without filtration, drying and re-slurrying. The process is carried out in the absence of additional chemicals/reagents, also reheating during the chlorination reaction is not required.

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM FOR ENABLING USERS OF MOBILE DATA PROCESSING DEVICES TO PARTICIPATE IN AN ACTIVITY

(51) Y	G0 (F1 5 /1 c	
(51) International classification	:G06F15/16	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ROLOCULE GAMES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :Rachana Ventura , Unit No.301 & 302,
(33) Name of priority country	:NA	ITI Road, CTS. 1337/1, S.No. 134/1, Aundh, Pune - 411007, India
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MOMIN Suhel Jamshid
(61) Patent of Addition to Application Number	:NA	2)GUPTA Rohit Santosh
Filing Date	:NA	3)INDI Tushar Chandrashekhar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system for enabling users of mobile data processing devices to participate in an activity is provided. The system includes a first mobile data processing device (102) which may be configured to broadcast a request over a network to connect with it. The first mobile data processing device (102) may receive consent to connect from client mobile data processing devices (106) that are capable of communicating with the first mobile data processing device (102). The first mobile data processing device (102) may connect with the client mobile data processing devices to receive input from the client mobile data processing devices (106). Further, the first mobile data processing device (102) may provide instructions to a display device (104) to display digital content by processing at least the input received from the client mobile data processing device (106). Reference figure: FIG. 1A

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

(21) Application No.2384/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "CASTOR OIL EMULGEL"

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	: A61K47/34, A61K9/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. RATHOD SUDHA SURESH Address of Applicant: B-2/203, VIHANG'S GARDEN, VARTAK NAGAR, THANE (W) - 400 606, MAHARASHTRA, INDIA. Maharashtra India (72)Name of Inventor:  1)DR. RATHOD SUDHA SURESH 2)MISHAL ADITEE VIDYADHAR 3)KALE TEJASWI RAMCHANDRA
(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 describes an emulgel of castor oil as well as process for preparation thereof. The emulgel of the present invention has topical as well as vaginal application for treatment of fungal infections. The castor oil emulgel of the present invention is also suitable for use as an anti-arthritic agent, an emollient and as hair gel for hair growth.

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

(22) Date of filing of Application :24/07/2014

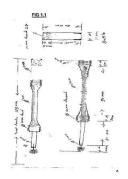
(43) Publication Date: 05/02/2016

# (54) Title of the invention : A DIAGNOSTIC APPARATUS FOR TESTING AND EARLY DETECTION OF HIV (HUMAN IMMUNODEFICIENCY VIRUS) VIRUS.

(51) International classification	:G01N33/569	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. ZAHRA HUSSAINI
(32) Priority Date	:NA	Address of Applicant :B - 33, NEW PETIT MANSION,
(33) Name of priority country	:NA	SLEATER ROAD, NANA CHOWK, MUMBAI - 400 007
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. ZAHRA HUSSAINI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/		1

## (57) Abstract:

The current invention discloses a method and an apparatus for detection of HIV through a simple, sterile and less invasive procedure. The sample that is collected is then sent to the laboratory for scanning via the PCR testing technique.



No. of Pages: 25 No. of Claims: 9

(21) Application No.2388/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR SPARQL LIBRARY MANAGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:G06F17/30 :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:
(86) International Application No Filing Date	:PCT// :01/01/1900	` '
(87) International Publication No	: NA	2)MUKHERJEE, Debnath
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides system and method for executing SPARQL query on a SPARQL engine. For executing the SPARQL query, a function may be instantly integrated with the SPARQL query which leads to extension of the SPARQL query. The extension may be achieved through a user friendly interface which may allow transparent integration of code (i.e., the function) in any language such as JAVA, C, C++ and the like, supporting a particular functionality. The system may integrate the code by addition of newly added code to the SPARQL library after validation. Further, the system may analyze the functionality associated with the code to optimize decision making of a user. The system may further support auto compilation and rating of the functions based on the user feedback and re-usability of the code working in a collaborative environment. Further the system may enable also enable to integrate external tools and web services.

No. of Pages: 43 No. of Claims: 11

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: Hybrid Bitumen Composition And Process Of Preparation Thereof

		(71) Norman & Arm Provide
(51) International classification	: C08K3/16,	(71)Name of Applicant : 1)Indian Oil Corporation Limited
(31) International classification	E01C7/18	Address of Applicant :G-9, Ali Yavar Jung Marg, Bandra
(31) Priority Document No	:NA	(East), Mumbai-400 051, India Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)YADAV, Veena
(86) International Application No	:PCT//	2)NEGI, Rajender Singh
Filing Date	:01/01/1900	3)KUMAR, Dhanesh
(87) International Publication No	: NA	4)RAMAN, Naduhatty Selai
(61) Patent of Addition to Application Number	:NA	5)GUPTA, Anurag Ateet
Filing Date	:NA	6)DAS, Biswapriya
(62) Divisional to Application Number	:NA	7)MALHOTRA, Ravinder Kumar
Filing Date	:NA	

## (57) Abstract:

HYBRID MODIFIED BITUMEN COMPOSITION AND PROCESS OF PREPAPRATION THEREOF Abstract Of The Invention The present invention relates to a hybrid modified bitumen composition containing functionalized polymer, crumb rubber and a dual functional agent. The present invention also relates to a process of preparation of hybrid modified bitumen composition containing functionalized polymer, crumb rubber and a dual functional agent.

No. of Pages: 23 No. of Claims: 19

(21) Application No.2372/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: GEMSTONE PROCESSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B28D5/00, B24B9/16 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SAHAJANAND TECHNOLOGIES PVT. LTD. Address of Applicant:Sahajanand House, Parsi Street, Saiyedpura Surat Gujarat 395003 Gujarat India (72)Name of Inventor: 1)GAYWALA, Rahul Mahendrakumar 2)GAJJAR, Munjalkumar Dhirajlal 3)PATEL, Chetan Fulchandbhai
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## (57) Abstract:

Systems and methods for gemstone processing are described herein. According to an embodiment, a gemstone processing system includes a visualization system (100) for capturing stresses in a rough gemstone (104). The visualization system (100) can include an image capturing device (102), a gemstone stage (106) being rotatable with respect to the image capturing device (102), and one or more light sources (110, 112) to illuminate the rough gemstone (104) on the gemstone stage (106).

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

(22) Date of filing of Application :23/07/2014

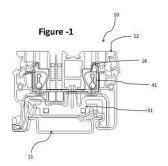
(43) Publication Date: 05/02/2016

# (54) Title of the invention: AN ELECTRICAL TERMINAL FOR FEED THROUGH, GROUND AND INTRA-CONNECTION

	:	(71)Name of Applicant :
(51) International classification	A61N1/00,	1)Connectwell Industries Pvt. Ltd.
	A61N1/375	Address of Applicant :D7, Phase 2, MIDC, Dombivli
(31) Priority Document No	:NA	(East), Maharashtra, INDIA Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Mr. Hemant Sonawane
(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:

An Electrical Terminal for feed through, ground and intra-connection, suitable for fixation on a DIN type mounting rail, with an auto adjusting electromechanical connection between the conducting link and a grounding clamp and having a plurality of earthing connections between the grounding clamp and the DIN mounting rail. The grounding clamp has an eccentrically place twin male connector and is assemble-able only in a correct orientation without skill or tool, and is removable by a trained person with the application of a tool. The grounding clamp even if partially inserted during assembly gets properly fitted when mounted on the mounting rail.



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

(22) Date of filing of Application :23/07/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MILK BASED PRODUCT WITH IMPROVED QUALITY AND METHOD OF SYNTHESIZING THE SAME

	:	(71)Name of Applicant:
(51) International classification	A61K31/202,	
	A23C9/152	Address of Applicant :COLLEGE OF DIARY
(31) Priority Document No	:NA	TECHNOLOGY, CAMP OFFICE, RAIPUR, KAMDHENU V.V.
(32) Priority Date	:NA	ANJORA, DURG, CHATTISGARH Chattisgarh India
(33) Name of priority country	:NA	2)DR. ANIL KUMAR KHARE
(86) International Application No	:NA	3)DR. B.K.SIL
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. ARCHANA KHARE
(61) Patent of Addition to Application Number	:NA	2)DR. ANIL KUMAR KHARE
Filing Date	:NA	3)DR. B.K.SIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a method of preparing a milk based product. The method comprises evaporating a predetermined amount of milk in a shallow pan to form a milk having a semisolid consistency by heating the milk at a predetermined temperature while timely removing a clotted cream formed over the milk during the evaporation and keeping the removed cream on sides of the pan. The pan has a predetermined thickness. The pan is cooled to form thin layers in the semisolid milk. The semisolid milk is cut into a plurality of pieces. The cut plurality of pieces of the semisolid milk are scrapped from the pan and a concentrated milk is poured over the plurality of pieces of the semisolid milk. A predetermined amount of a powdered sugar is sprinkled over the plurality of pieces of the semisolid milk. FIG.1



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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A PROCESS FOR CONTROLLED PHOTO-IRRADIATION OF POLYVINYLCHLORIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08F8/20, C08L27/24 :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
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MUNSHI, PRADIP
(87) International Publication No	: NA	2)VORA, JAYESH P
(61) Patent of Addition to Application Number	:NA	3)INGLE, NINAD DEEPAK
Filing Date	:NA	4)KAPADIA, PRADEEP PARESH
(62) Divisional to Application Number	:NA	5)JASRA, RAKSH VIR
Filing Date	:NA	6)RAJAN, SHASHIKANT

## (57) Abstract:

The present disclosure provides a process for the preparation of chlorinated polyvinyl chloride using controlled radiant flux and irradiation. The process comprises irradiation wavelength in the range of 254 to 530 nm and a chlorination rate ranging from 1.6 to 4.36 mole/hour/kg. The present disclosure also provides CPVC with improved thermal stability and color.

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A Movable Partition Wall Assembly

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E04B2/74 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)Talle, Revansiddh A.  Address of Applicant: A/P-Siddhapur, TalMangalvedha, DistSolapur-413 305. Maharashtra India  2)Misal, Sangramsingh S. (72)Name of Inventor:  1)Talle, Revansiddh A.  2)Misal, Sangramsingh S. 3)Talle, Shridevi A.  4)Limaye, Vaishali S. 5)Patil, Sateesh B. 6)Jadhav, Tushar A.
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#### (57) Abstract:

The present invention provides a movable partition wall assembly for adjusting distribution of space on either side of the wall for effectively utilizing room space. The movable partition wall assembly having a first member, a second member, a guiding mechanism, a driving means and rollers. The first member and the second member are secured together to configure enclosure therefrom. The guiding mechanism and the moving means for guiding and moving the enclosure in predefined orientation. The driving means is provided for operating the moving means through a transmission gear for moving the enclosure. The rollers are disposed on the lower side of the enclosure for reducing friction and sliding the enclosure on a floor of a room. Therefore, upon operating the driving means the moving means move thereby moving the enclosure in a predefined distance and direction, thereby enabling adjustment of space in the room on either side of the enclosure

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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "AN IMPROVED PROCESS FOR THE PREPARATION OF AXITINIB†•

(51) International classification	:C07D401/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CADILA HEALTHCARE LIMITED
(32) Priority Date	:NA	Address of Applicant :Zydus Tower, Satellite Cross Roads,
(33) Name of priority country	:NA	Ahmedabad – 380 015, Gujarat, India Gujarat India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Da e	:NA	1)SINGH, Kumar Kamlesh
(87) International Publication No	: NA	2)SINGH, Nikhil Amar
(61) Patent of Addition to Application Number	:NA	3)NARODE, Sunil Dnyaneshwar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides an improved process for the preparation of axitinib. The process comprises reacting 2-mercapto-N-methylbenzamide of Formula (IV) with 6-halo-3-((E)-2-pyridin-2-yl-vinyl)-1-(tetrahydropyroan-2-yl)-1H-indazole of Formula (II) to obtain protected axitinib of Formula (II); deprotecting the protected axitinib of Formula (II) with an acid in one or more of organic solvents to obtain axitinib of Formula (I); and purifying the axitinib of Formula (I) to obtain pure axitinib. The invention also provides a process for the preparation of 2-mercapto-N-methylbenzamide of Formula (IV). (I)

No. of Pages: 22 No. of Claims: 10

(21) Application No.2390/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HIGH SHRINKAGE POLYESTER FIBRES

<ul> <li>(51) International classification</li> <li>(31) 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>	:D01F6/62 :NA :NA :NA :PCT//	(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:
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	: NA :NA :NA :NA	1)KARUNANITHI THANDAYUTHAPANI 2)KELKAR ANIL KRISHNA 3)MUKHOPADHYAY ANJAN KUMAR
Filing Date	:NA	

# (57) Abstract:

The present disclosure relates to a polyester fibre having shrinkage capacity in the range of 20 to 22 % at a temperature of 130 oC. The polyester fibre of the present disclosure further comprises at least one co-monomer up to 2 w/w%.

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

(21) Application No.3067/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LOW FOAMING MULTI ENZYMATIC CLEANER

	CIOD (71)N
(51) International classification	:C12P (71)Name of Applicant:
	21/00 1)3M INNOVATIVE PROPERTIES COMPANY
(31) Priority Document No	:NA Address of Applicant :3M Center, Post Office Box 33427,
(32) Priority Date	:NA Saint Paul, Minnesota 55133-3427, USA. U.S.A.
(33) Name of priority country	:NA (72)Name of Inventor :
(86) International Application No	:NA 1)Joshi, Vishal Kumar
Filing Date	:NA 2)Vishnumurthy Herur, Rajendra
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
	1- 1- 1- 1

## (57) Abstract:

The present invention relates to a cleaning composition for cleaning medical instruments. The cleaning composition of the invention comprises: an enzyme activity protector complex; an enzyme system; one or more controlling polymers; surfactants; organic solvent; and additives selected from chelating agents, wetting agents, preservatives and water. In particular, the cleaning composition of the invention is a low foaming, multi enzymatic cleaner having excellent efficacy for enzymatic cleaning, hard water scale inhibition and rust inhibition due to scaling. The composition further provides shine with superior wetting and cleaning performance. The invention also relates to a process for preparing a cleaning composition and a method of cleaning medical instruments employing the cleaning composition of the present invention.

No. of Pages: 44 No. of Claims: 38

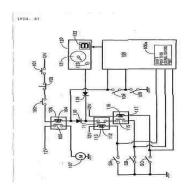
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SHIFT POSITION DETECTING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:F16H 59/00 :2013- 136928 :28/06/2013 :Japan :NA :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant : of 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, Japan Japan (72)Name of Inventor:  1)TETSUKA, Takashi 2)HOTEI, Takashi 3)ARAI, Dai 4)CHIBA, Atsushi 5)TAMURA, Kenichi
(61) Patent of Addition to Application Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem] In a shift position detecting device which determines a shift position based on a detection logic formed of a combination of turning on or off of a plurality of switches which are fixedly arranged at least one by one at positions corresponding to a plurality of detecting object portion rows mounted on a shift drum, an accurate shift position can be detected even there is irregularity in switching timings of switching modes of the plurality of switches. [Means for Resolution] A shift position detecting means 100, when a detection logic makes a transition from a detection logic corresponding to an established shift position to a detection logic different from the detection logic corresponding to the established shift position and the detection logic after the transition is a detection logic corresponding to a shift position changeable from the established shift position, establishes the shift position as a new shift position and outputs shift position information, while when the detection logic after the transition is a detection logic other than the detection logic corresponding to the changeable shift position, sets the new shift position not yet established and outputs information corresponding to non-establishment of the shift position. [Selected Drawing] Fig. 8



No. of Pages: 79 No. of Claims: 10

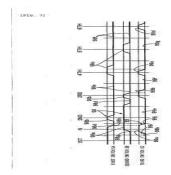
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SHIFT POSITION DETECTING DEVICE

(51) International classification	:G03F 1/00	(71)Name of Applicant:
(31) Priority Document No	:2013- 136929	1)HONDA MOTOR CO., LTD. Address of Applicant :of 1-1, Minami-Aoyama 2-chome,
(32) Priority Date	:28/06/2013	Minato-ku, Tokyo 107-8556, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HOTEI, Takashi
Filing Date	:NA	2)TETSUKA, Takashi
(87) International Publication No	: NA	3)ARAI, Dai
(61) Patent of Addition to Application Number	:NA	4)CHIBA, Atsushi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		<u> </u>

#### (57) Abstract:

To provide a shift position detecting device where a shift position determining means is provided for determining a shift position based on a combination of switching modes of three switches corresponding to at least one of a plurality of projection rows each having a plurality of projection portions in a one-by-one basis, and  $\hat{a} \in \mathbb{C}1$ , 1,  $1\hat{a} \in \mathbb{C}1$  indicative of an ON state of each switch is allocated as a detection logic at a neutral position arranged between a first speed position and a second speed position, wherein a change in friction at the time of a shift operation to the neutral position is alleviated thus giving an operation feeling with no discomfort to a rider. [Means for Resolution] Two projection rows 98, 99 which are objects to be detected by two specified switches SB, SC; SA, SC among the three switches SA to SC are formed so as to change switching modes of the specified switches SB, SC; SA, SC from an OFF state to an ON state and to displace timings at which the specified switches are brought into an ON state from each other when a shift position is changed from at least one of a first speed position and a second speed position to a neutral position. [Selected Drawing] Fig.7



No. of Pages: 74 No. of Claims: 5

(21) Application No.3038/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MOTOR-DRIVEN COMPRESSOR

(51) International classification	:F04C	(71)Name of Applicant:
(21) Drignity Decomment No.	:2013-	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(31) Priority Document No	132616	Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:25/06/2013	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)JUNYA YANO
Filing Date	:NA	2)AKIO FUJII
(87) International Publication No	: NA	3)JUNICHI TAKAHATA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A motor-driven compressor that includes a compression unit adapted to compress refrigerant, an electric motor adapted to drive the compression unit, and a housing that accommodates the compression unit and the electric motor. The housing includes a coupling member. A motor driving circuit is adapted to drive the electric motor. The motor driving circuit includes a circuit board and a capacitor, which is electrically connected to the circuit board. The capacitor includes a side surface and an end surface that faces the coupling member. A resin material is located between the coupling member and the capacitor. The coupling member includes a facing surface that faces the capacitor. The facing surface includes a recess extending away from the capacitor. The recess receives some of the resin material.

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

(21) Application No.3039/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MOTRO-DRIVEN COMPRESSOR

(51) International classification	:F04C	(71)Name of Applicant:
(21) Priority Dogument No.	:2013-	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(31) Priority Document No	132613	Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:25/06/2013	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YANO, JUNYA
Filing Date	:NA	2)FUJII, AKIO
(87) International Publication No	: NA	3)TAKAHATA, JUNICHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A motor-driven compressor that includes a compression unit adapted to compress refrigerant, an electric motor adapted to drive the compression unit, and a housing that accommodates the compression unit and the electric motor and includes a coupling member. A motor driving circuit drives the electric motor. The motor driving circuit includes a circuit board and a capacitor, which is electrically connected to the circuit board. A capacitor holder holds the capacitor and is coupled to the coupling member. One of the capacitor holder and the coupling member includes a projection, and the other one of the capacitor holder and the coupling member includes an engagement portion that engages with the projection. Engagement between the projection and the engagement portion positions the capacitor holder relative to the coupling member.

No. of Pages: 18 No. of Claims: 7

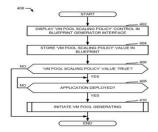
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : METHODS AND APPARATUS TO SCALE APPLICATION DEPLOYMENTS IN CLOUD COMPUTING ENVIRONMENTS USING VIRTUAL MACHINE POOLS

Filing Date :NA 1)SERVESH SINGH (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	(61) Patent of Addition to Application Number Filing Date	:NA :NA :NA :NA :NA : NA :NA	
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### (57) Abstract:

Methods and apparatus are disclosed to scale application deployments in cloud computing environments using virtual machine pools. An example method disclosed herein includes displaying a user-selectable control to specify whether the application is to be scaled in accordance with a scaling policy, based on selection of the user-selectable control, storing, in a blueprint of the application, an indication of whether the application is to be scaled in accordance with the scaling policy, based on the indication in the blueprint, preparing a virtual machine pool in the computing environment, the virtual machine pool including a virtual machine provisioned for use in a scaling operation, in response to a request to scale the application deployed in a deployment environment, determining whether configuration information satisfies a scaling requirement, and based on the determination, performing the scaling operation in accordance with the request to scale by transferring the virtual machine to the deployment environment. [FIG. 4]



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

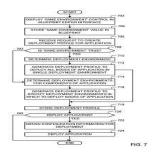
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DEPLOYING AN APPLICATION ACROSS MULTIPLE DEPLOYMENT ENVIRONMENTS

(51) International classification	:B60R	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VMWARE, INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto, CA
(33) Name of priority country	:NA	94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AGILA GOVINDARAJU
(87) International Publication No	: NA	2)KIRAN SINGH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7.7		1

### (57) Abstract:

Disclosed examples to configure an application for deployment across a plurality of deployment environments involve displaying a user-selectable control in a user interface. The user-selectable control is to specify whether the application is to be deployed across the plurality of deployment environments. Based on selection of the user-selectable control, a blueprint of the application stores an indication of whether the application is to be deployed across the plurality of deployment environments. Based on the indication in the blueprint, an application deployment profile is generated to specify the plurality of deployment environments across which to deploy the application. [FIG.7]



No. of Pages: 42 No. of Claims: 10

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A PROCESS FOR THE PREPARATION OF GRAPHENE COATED CNT MODIFIED MULLITIC HOLLOW SPHERES

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CENTRAL POWER RESEARCH INSTITUTE
(32) Priority Date	:NA	Address of Applicant :Govt. of India Society, Central Power
(33) Name of priority country	:NA	Research Institute, P.O.Box 8066, Sir C V Raman Road,
(86) International Application No	:NA	Bangalore-560080, India Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. Vynatheya
(61) Patent of Addition to Application Number	:NA	2)M. Shekar Kumar
Filing Date	:NA	3)S. Seetharamu
(62) Divisional to Application Number	:NA	4)Parvati Ramaswamy
Filing Date	:NA	

### (57) Abstract:

A process for the preparation of graphene coated CNT modified mullitic hollow spheres comprising: modifying mullitic hollow spheres, collected from coal fired power stations, subjecting a part of modified mullitic hollow spheres to the step of grafting with 3-Amino propyl triethoxysilane(APTS), adding 2% by volume of APTS to the solution and stirring the same for about 5 hrs, filtering and washing the resultant product, and drying the product, subjecting the other part of modified mullitic hollow spheres to the step of sonication, adjusting the pH of the solution to 8, adding the sonicated slurry to stearic acid under stirring, washing the stearic treated mullitic hollow spheres, filtering the treated mullitic spheres, drying the mullitic spheres.

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

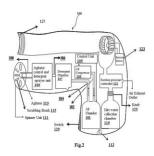
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A PORTABLE WASHING DEVICE AND A METHOD THEREOF

(51) International classification	:A47L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LG ELECTRONICS INC.
(32) Priority Date	:NA	Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu,
(33) Name of priority country	:NA	Seoul, Korea. Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Venkat Raju Chintalapalli Patta
(87) International Publication No	: NA	2)Roshy Manayil John
(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 is related to a portable washing device and a method for cleaning target area on an article. The portable washing device comprises air chamber, air compressor, control unit, detergent chamber, agitator control and detergent sprayer unit, spinner unit and suction chamber. The air compressor compresses air and pumps the compressed air to air chamber. Thereafter, compressed air flows through liquid detergent in the detergent chamber to produce foam of the liquid detergent. The agitator control and detergent sprayer unit receives foam from detergent chamber and directs the foam towards spinner unit. The agitator in spinner unit rotates upon receiving the foam due to which spinner unit spins. The one or more scrubbing brushes spin around target area on the article to remove stain. Thereafter, the residual dirt water is extracted from target area of the article through suction motor mechanism configured in the portable device, thereby cleaning the target area. Fig.2



No. of Pages: 29 No. of Claims: 15

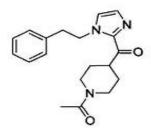
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: NOVEL AND IMPROVED PROCESS FOR THE PREPARATION OF ALCAFTADINE

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M/S. VIVIMED LABS LTD
(32) Priority Date	:NA	Address of Applicant :H.NO. 4-7-102/6 & 11, VEERNAG
(33) Name of priority country	:NA	TOWERS, HABSIGUDA, HYDERABAD - 500 007 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SAMBHU PRASAD SARMA MALLELA. DR
(61) Patent of Addition to Application Number	:NA	2)CHAKRAPANI LAKKOJU
Filing Date	:NA	3)MYSURA REDDY BUCHEPALLI
(62) Divisional to Application Number	:NA	4)YAKAIAH DUBAKULA
Filing Date	:NA	5)ANIL PASUNUTI

### (57) Abstract:

The present invention provided a novel and improved process for the preparation of Alcaftadine compound of formula I or its pharmaceutically acceptable salts thereof, by employing an intermediate compound of formula II



Formula II

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

(21) Application No.3131/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# $(54) \ Title \ of the \ invention: ELECTROSPINNING \ APPARATUS \ AND \ METHOD \ FOR \ PRODUCING \ MULTIDIMENSIONAL STRUCTURES$

(51) International classification	:D01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Amrita Vishwa Vidyapeetham
(32) Priority Date	:NA	Address of Applicant : Amrita Centre for Nanosciences,
(33) Name of priority country	:NA	Amrita Vishwa Vidyapeetham, AIMS Ponnekkara PO, Kochi,
(86) International Application No	:NA	Kerala, India Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MENON, Deepthy
(61) Patent of Addition to Application Number	:NA	2)JOSEPH, John
Filing Date	:NA	3)NAIR, Shantikumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Electrospinning apparatus and method for producing multi-dimensional structures such as one-dimensional continuous yarns, two-dimensional mats and three-dimensional cottonlike fluffy scaffolds is disclosed. Moreover, electrospinning apparatus and method with single collector geometry for producing multi-dimensional structures are disclosed.

No. of Pages: 30 No. of Claims: 18

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: AUTOMATIC FEED PROCESSING SYSTEM FOR RESULT ANALYSIS.

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	:NA :NA	(71)Name of Applicant:  1)VELTECH MULTI TECH DR. RANGARAJAN DR. SAKUNTHALA ENGINEERING COLLEGE Address of Applicant: #60, AVADI ALAMATHI BOAD
(33) Name of priority country (86) International Application No		Address of Applicant :#60, AVADI-ALAMATHI ROAD, AVADI, CHENNAI - 62 Tamil Nadu India
Filing Date (87) International Publication No	: NA	(72)Name of Inventor: 1)M. SINDHU
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)J. SASIKALA 3)J.B. SIVARANJANI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The application is a tool that extracts the results automatically when we save and upload the webpage. It extracts the table content that consists of date, subject code, name, register number and grades obtained using html extraction with the help of page source and store it in the database. We make use of XAMPP. The analysis of the,results is automated with the help of this system. The backend used in this system is Mysql where needed number of tables has to be created. Here in this system we are in need of grades, admin and subjects tables. In the grades table we define all the grades and its respective grade value. In the subjects table we have defined all the subjects starting from the first semester to the eighth semester. The credit points for each subject is defined and the semester that the subject belongs to is also defined. Also their subject codes which are in the form of alphanumeric formats are also entered along with the subject names. This is done because while the user wants to view a particular subject marks he/she can give either the subject name or the subject code. Thus this will facilitate the user to get a quick view about the results that he/she needs. To automate the process of calculation of GPA/CGPA, we have defined the credit points as well as the grade value. We make use of SQL queries to query the database and thus to view the results according to the way the user wishes to. The staffs can have a single student view, batch wise view or subject wise view. Analysis of the results in the form of bar graphs is depicted. Here the comparison of overall pass percentage by the students belonging to a batch can is depicted. The project is run on the local host. The final output is can be downloaded into excel sheet and the print option is also made available to help staffs for easy access of students results.

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

(21) Application No.2454/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 05/02/2016

# $(54) \ Title \ of the invention: PROCESS \ FOR \ THE \ PREPARATION \ OF \ (3R, 4R)-4METHYL-3-(METHYL-7H-PYRROLO \ [2,3-D] \ PYRIMIDIN-4-YLAMINO)-B-OXO-1-PIPERIDINE PROPANENITRILE \ AND \ ITS SALTS$

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an improved process for the preparation of (3R,4R)-4-methyl-3-(methyl-7H-pyrrolo[2,3-d]pyrimidin-4-ylamino)-fi-oxo-l-piperidine propanenitrile compound of formula-1 and its pharmaceutically acceptable salts.

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

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: PHASE CHANGE MATERIAL EVAPORATOR CHARGING 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>	:H01L :13/930,322 :28/06/2013 :U.S.A. :NA :NA	Address of Applicant :of Legal Staff, P.O. Box 5052, Mail Code: 483-400-402, Troy, Michigan 48007-5052, USA U.S.A. (72)Name of Inventor:  1)WANG, Mingyu
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)KADLE, Prasad, S. 3)WOLFE IV, Edward

### (57) Abstract:

A method (300) of controlling an air conditioning compressor in a heating ventilation and air conditioning system having an evaporator (10) including a phase change material is presented. The method (300) includes the steps of measuring an evaporator (10) output air temperature (312), determining a state of charge value (106) by calculating a difference between an estimated refrigerant temperature based on the evaporator (10) output air temperature and a phase change material freeze temperature and integrating this difference over time (316) and operating the air conditioning compressor to maintain the state of charge value (106) between an upper and lower limit (324, 328). A method (200) of recovering braking energy in a vehicle containing a heating ventilation and air conditioning system having the evaporator (10) including the phase change material is also presented.

No. of Pages: 49 No. of Claims: 19

(21) Application No.3063/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AQUEOUS PEST CONTROL COMPOSITION

(51) International classification	:A01N	(71)Name of Applicant :
(31) Priority Document No	:2013- 133587	1)SUMITOMO CHEMICAL COMPANY, LIMITED Address of Applicant :of 27-1, Shinkawa 2-chome, Chuo-ku,
(32) Priority Date	:26/06/2013	Tokyo 104-8260, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKEMOTO, Yukie
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an aqueous pest control composition consisting of: a) 0.01 to 2% by weight of a pyrethroid compound; b) 1 to 40% by weight of polyproplylene glycol monopropyl ether which is at least one selected from the group consisting of dipropylene glycol monopropyl ether; c) 5 to 40% by weight of a water-soluble organic solvent which is at least one selected from the group consisting of glycol monoalkyl ether having 7 or less carbon atoms and glycol having 9 or less carbon atoms; d) 20 to 80% by weight of water; and e)

5% by weight or less of a formulation additive.

No. of Pages: 27 No. of Claims: 4

OTHERS USER FOR HELP

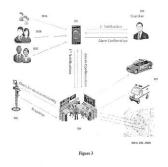
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR LOCATING A MOBILE DEVICE USER AND CONNECTING TO

(51) International classification	:G08B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VOTARY SOFTECH SOLUTIONS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 5, NEAR OU COLONY,
(33) Name of priority country	:NA	DOOR NO. 8-1-405/A/5, DREAM VALLEY SHEIKPET,
(86) International Application No	:NA	HYDERABAD - 500 008 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ROHINI POLISETTY
(61) Patent of Addition to Application Number	:NA	2)SANJAY DAYANAND KAMTAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention discloses a method and system to track, locate a person while travelling and connect him/her with other people in the nearby location and raise an alarm to the security services to save the user form the distress. This method of tracking and locating a user can be done automatically or manually. In case of automatic tracking, the user has to register with the processor for tracking his/ her travel beforehand wherein the usual route and destination of her will be pre-recorded. If the user deviates from the usual route he/ she takes, the system will raise an alarm to the control room, the control room in turn will request for a confirmation from the subject user about the distress situation. The situation is confirmed by the subject user by sending a pre-configured ALERT passcode to the server else in case of no emergency, the subject user will send a pre-configured SAFE passcode. If the distress password is confirmed, the control room immediately sends the alarm to the registered security services to help the user in distress. Meanwhile, the system will contact the registered users present in the vicinity of the user in distress and send an alarm to help the user in distress. Figure 3



No. of Pages: 0 No. of Claims: 0

(22) Date of filing of Application :24/05/2013 (43) Publication Date : 05/02/2016

## $(54) \ Title \ of the invention: NOVEL\ PROCESS\ FOR\ THE\ PREPARATION\ OF\ 2-[4-(2-\{4-[1-(2-ETHOXYETHYL)-1H-BENZIMIDAZOL-2-YL]-1-PIPERIDINYL\}ETHYL) PHENYL]-2-METHYLPROPANOIC\ ACID$

(51) Intermetional alogaification	·C07D	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)GHOJALA VENKAT REDDY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to novel process for the preparation of 2-[4-(2-{4-[1-(2-ethoxyethyl)-lH-beriziniidazol-2-yl]-l-piperidinyl}ethyl)phenyl]-2-methylpropanoic acid represented by the following structural formula-1. Formula-1 The present invention also provides novel intermediate compounds useful for the preparation of compound of formula-1.



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

(21) Application No.3043/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A COMPOSITION COMPRISING EXTRACT OF ALANGIUM SALVIFOLIUM HAVING ANTI-ADIPOGENIC OR ANTI-OBESIC ACTIVITY

(51) International classification :A611 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)LAILA NUTRACEUTICALS  Address of Applicant: 40-15-14, Brindavan Colony, Labbipet, Vijayawada – 520 010 Andhra Pradesh, India. Andhra Pradesh India (72)Name of Inventor:  1)GOKARAJU, Ganga Raju 2)GOKARAJU, Rama Raju 3)GOKARAJU Venkata Kanaka Ranga Raju 4)GOLAKOTI, Trimurtulu 5)BHUPATHIRAJU, Kiran 6)SENGUPTA, Krishanu
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#### (57) Abstract:

The invention relates to herbal anti-adipogenic and pro-lipolytic composition(s) or phytochemical ingredients(s) comprising at least one component selected from the extract(s), fraction(s) and active compound(s) derived from Alangium salvifolium either alone or in combination with atleast one component selected from pharmaceutically or dietetically acceptable phytochemical actives, vehicle, diluent and carrier. The present novel ingredients or compositions can be used to control or treat overweight, obesity, metabolic syndrome or other metabolic disorders, regulate energy expenditure, prevention of atherosclerotic plaques in coronary artery and abdominal aorta, increase insulin sensitivity, improve glucose tolerance, lower triglyceride levels and balance glucose levels in mammals.

No. of Pages: 57 No. of Claims: 21

(22) Date of filing of Application :24/06/2014

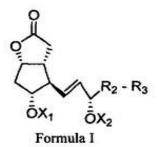
(43) Publication Date: 05/02/2016

## (54) Title of the invention : NOVEL ROUTE OF PRODUCING LACTONE INTERMEDIATE USED IN THE PREPARATION OF PROSTAGLANDINS

(51) I a constitued along "Continue"	.007.0	(71) Norman & Ameliana
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAI LIFE SCIENCES LTD
(32) Priority Date	:NA	Address of Applicant :II-FLOOR, LUXOR ROAD, ROAD
(33) Name of priority country	:NA	NO-2, BANJARA HILLS, HYDERABAD - 500 033 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)LELETI, RAJENDER REDDY
(61) Patent of Addition to Application Number	:NA	2)POSHABOINA,suresh kumar
Filing Date	:NA	3)VANGARU,suresh
(62) Divisional to Application Number	:NA	4)T.V.S.K.,VITTAL
Filing Date	:NA	

### (57) Abstract:

Abstract The present invention provides novel processes for the preparation of a lactone of Formula I, which are useful in the production of prostaglandins. The invention also provides novel enantiomerically enriched compounds.



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

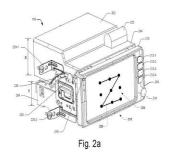
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

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

7F (71)Name of Applicant :
1)NISSAN MOTOR CO., LTD.
Address of Applicant :2, Takara-cho, Kanagawa-ku,
Yokohama-shi, Kanagawa, 2210023, Japan
(72)Name of Inventor:
1)VELUSAMY, Ashokkumar
A 2)UKEY, Rajeev
A A A A

### (57) Abstract:

A STORAGE SYSTEM FOR A VEHICLE The present subject matter relates to a storage system (106) for securing articles in a vehicle. In one implementation, the storage system (106) includes a container (202), where a first end (204) of the container (202) is open for receiving articles. The storage system (106) also includes an electronic device (206) and a screen (208) operatively coupled to the electronic device (206). The screen (208) is adapted to move from a closed position (218) to an open position (300), where the screen (208) conceals the container (202) and the electronic device (206) in the closed position (218), and where the container (202) is accessible when the screen (208) is in the open position (300). < To be published with Fig. 2a >



No. of Pages: 31 No. of Claims: 25

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VIRTUAL MACHINE DATA BACKUP AND RECOVERY

(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  Since the series of th	(71)Name of Applicant: 1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Address of Applicant:11445 Compaq Center Drive West, Houston, Texas 77070 U.S.A. (72)Name of Inventor: 1)NANIVADEKAR, Mandar 2)ANAMI, Veeresh Mallappa 3)GANAPATHY, Pradeep
(62) Divisional to Application Number :NA Filing Date :NA	

### (57) Abstract:

Virtual machine (VM) data protection includes receiving a data stream comprising data and metadata corresponding to VM data to be backed-up and storing the data at a first location in a storage medium as a thinly distributed file. The thinly distributed file comprises a thin distribution entry between each of a plurality of data blocks to move a pointer from an end of a data block to an offset byte of a next data block. The metadata may be stored at a second location in the storage medium and may be linked to the thinly distributed file.

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

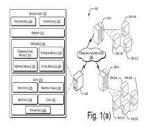
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: BACKUP AND NON-STAGED RECOVERY OF VIRTUAL ENVIRONMENTS

(51) International classification :G06 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Address of Applicant:11445 Compaq Center Drive West, Houston, Texas 77070 U.S.A. (72)Name of Inventor:  1)MISPA Shishir
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### (57) Abstract:

Methods for creating backup of data of a virtual environment to allow non-staged recovery are described. The described method may include receiving data of a virtual environment through one or more data streams for backup. The method also includes generating metadata corresponding to the received data and storing the received data at a first location of a backup storage unit. Further, the method includes storing the generated metadata at a second location of the backup storage unit, where the second location is different from the first location of the backup storage unit. The method further includes mapping the at least one predefined file to the stored data to create a mapping table to allow direct access to the stored data for non-staged recovery.



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

(22) Date of filing of Application :24/06/2014

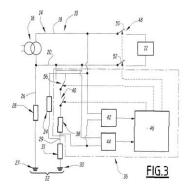
(43) Publication Date: 05/02/2016

## (54) Title of the invention: DEVICE FOR ESTIMATING THE IMPEDANCE OF AN ELECTRIC GROUND CONNECTION, ASSOCIATED ESTIMATION METHOD AND ELECTRIC POWER SUPPLY SYSTEM

(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	1356155 26/06/2013 France	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant :of 35, rue Joseph Monier, F-92500 Rueil Malmaison, France France (72)Name of Inventor: 1)VINCENT, Franã§ois 2)TIAN, Simon
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### (57) Abstract:

The device (36) according to the invention for estimating the impedance of an ground connection (22), the ground connection being connected to the ground of an alternating electric network (14) comprising a phase connected to an electric phase conductor (18) and a neutral connected to an electric neutral conductor (20), comprises: - an electrical component (38) having a predetermined value impedance positioned between the phase conductor and the ground connection; a first sensor (42) capable of measuring a first value of a first property between the phase conductor and the ground connection and a second value of the first property; a second sensor (44) capable of measuring a first value of a second property between the neutral conductor and the ground connection and a second value of the second property; and a computation member (46) computing the impedance of the ground connection.



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

(22) Date of filing of Application :24/06/2014

(43) Publication Date: 05/02/2016

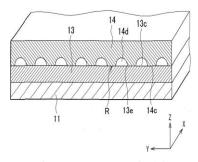
## (54) Title of the invention : ELECTROLYTIC ELECTRODE DEVICE AND ELECTROLYTIC WATER GENERATOR HAVING THE ELECTROLYTIC ELECTRODE DEVICE

(51) International classification	:H01K	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)Panasonic Corporation
(31) Friority Document No	145158	Address of Applicant :of 1006, Oaza Kadoma, Kadoma-shi,
(32) Priority Date	:11/07/2013	Osaka 571-8501, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)II, Chihiro
Filing Date	:NA	2)MORI, Shunsuke
(87) International Publication No	: NA	3)INAGAKI, Kenichiro
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The electrolytic electrode 10 is configured to allow a conductive membrane 13 to be laminated so as to intervene between electrodes 11 and 14 which are positioned next to each other and at least a part of a boundary surface between the conductive membrane 13 and the electrode 11 or 14 is brought into contact with water so that water supplied from a receiving surface 1A is subjected to electrolytic processing and the water thus electrolytically processed is sent from the receiving surface 1A. Then water passages 14d and 13d are formed between the conductive membrane 13 and the electrodes 11 and 14 in a region where the conductive membrane 13 and the electrodes 11 and 14 overlap when seen from a lamination direction Z.(Fig.8)





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

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: FLOATING-PAWL AND RATCHET ASSEMBLY

(51) International classification	:A47L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:NA	Address of Applicant :of 3M Center, P O Box 33427, Saint
(33) Name of priority country	:NA	Paul MN 55133-3427, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Rajagopalan, Renjith
(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 pawl and ratchet assembly for a mop has a handle rod (1) with a circular cross section at one portion and a non-circular cross section at other portion. A cylindrical sleeve (4) is constructed to run along the handle rod and a ratchet (5) is internally formed at the one end of the sleeve. A floating pawl (2) having teeth externally formed on the circumference of pawl is placed to run and rotate through the handle rod. The pawl (2) engages with the ratchet (5) in the sleeve (4) to form an assembly (4a) and to run and rotate along the handle rod. The sleeve when moved to the circular portion (1a) of the handle rod, the pawl (2) lies in the circular portion and relatively rotates with rest to the handle rod. The sleeve (4) when moved to the non circular portion, preferably elliptical section (1b) the relative rotation of pawl (2) with rest to handle rod (1) is arrested and the pawl and sleeve assembly is capable being rotated only in one direction. Fig.1



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3142/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AUTOMATIC COOKING MACHINE

(51) International classification	:A47J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABOOBACKER ELIAT
(32) Priority Date	:NA	Address of Applicant :ELIAT HOUSE, VIDYANAGAR,
(33) Name of priority country	:NA	KASARAGOD - 671 123 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ABOOBACKER ELIAT
(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 automatic cooking system for cooking food material which keeps consistency in quality, aroma and taste by providing a uniform heat distribution consists of stationary/rotatable heating means, stationary/rotatable table to keep utensil/plate, variable speed motor which is controlled by gear unit and temperature and time regulating system. Uniform heat distribution is possible in various methods as described in specification and avoid overheating and burning of food by controlling temperature and time factors.

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

(22) Date of filing of Application :04/07/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention : BIDIRECTIONAL HEAT SINK FOR PACKAGE ELEMENT AND METHOD FOR ASSEMBLING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H01L :201110196188.8 :13/07/2011 :China :NA	(71)Name of Applicant:  1)Delta Electronics (Shanghai) Co. Ltd.  Address of Applicant: 2F No.238. Minxia RoadÂ  Pudong Shanghai 201209 People"s Republic of China  China
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Wei-Guo LI
(61) Patent of Addition to Application Number	:NA	2)Le-Xing HE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In a bidirectional heat sink (1) for a package element (5) and a method for assembling the same, the bidirectional heat sink (1) includes a first heat-dissipating plate (10), a second heat-dissipating plate (20), and a plurality of heat-dissipating pieces (30). The first heat-dissipating plate (10) is provided with a groove (11). Both sides of the groove (11) are formed with two separation walls (12, 13). The package element (5) is inserted into the groove (11) to contact the two separation walls (12, 13). The second heat-dissipating plate (20) extends from one end of the first heat-dissipating plate (10). Each of the heat-dissipating pieces (30) extends from the second heat-dissipating plate (20) in a direction away from the first heat-dissipating plate (10). By this structure, the contact area of the package element (5) is increased to improve the heat-dissipating efficiency. Further, the assembling process is performed quickly to form a firm structure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3075/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LPG BASED ELECTRICAL COOKING

` ' '	1)N. BAPTIC PACKIARAJ Address of Applicant :NO. 13, 1ST STREET, ALPHA NAGAR, KARUMANDAPAM, TRICHY - 620 001 Tamil Nadu India
. ,	(72)Name of Inventor: 1)N. BAPTIC PACKIARAJ 2)A.J. JAHANGIR 3)A. JEGANATH PRABHU 4)T. SARAVANAN

### (57) Abstract:

This patent work is based on LPG based electrical cooking, where the liquefied petroleum gases are used in power production for cooking purpose whereas LPG is used as a fuel for the generator which produce required power for cooking. Battery stores the power and delivers it to the convertor which converts DC electric power of the battery to AC electric power to the socket. By this process, the rate of cooking gets increased and is economically.

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

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: SYSTEM AND METHOD TO PURCHASE PRODUCTS SEEN IN A MULTIMEDIA CONTENT

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANAND VAIDYANATHAN
(32) Priority Date	:NA	Address of Applicant :New no.51, Old No.28, MGR road,
(33) Name of priority country	:NA	Kalakshetra Colony, Besant nagar, Chennai - 600 090 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANAND VAIDYANATHAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A product purchase system that purchases a product seen in a multimedia content is provided. The product purchase system includes a database, a product selection module, a product identification module, and a purchase module. The database stores information related to (a) the product tagged in the multimedia content, and (b) a sound signature associated with the product. The product selection module allows a user to select a product that is shown in the multimedia content. The product identification module identifies the selected product based on a tag associated with the product. The product identification module includes a sound signature module that recognizes a sound signature at which the product appears in the multimedia content. The sound signature module identifies the product that is associated with the sound signature by accessing the database. The purchase module directs the user to websites to purchase the product when the product is identified.

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

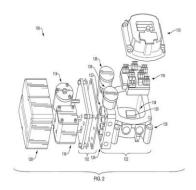
(22) Date of filing of Application :28/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VALVE POSITIONER HAVING BYPASS COMPONENT AND 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 Number</li> </ul>	:13/937823 :09/07/2013 :U.S.A. :NA :NA : NA : NA	(71)Name of Applicant: 1)Dresser, Inc. Address of Applicant:15455 Dallas Parkway Suite 1100 Addison, Texas 75001 U.S.A. (72)Name of Inventor: 1)ESPOSITO, Sandro
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

ABSTRACT A valve positioner that can maintain operation of the control valve despite failures in one or more components is disclosed. These embodiments reduce downtime by allowing in-situ repair to occur on the valve positioner. In one embodiment, the valve positioner incorporates a by-pass component, which can utilize control input signals (e.g., a 4-20 mA signal) to energize one or more components (e.g., a current-to-pressure converter) to cause the control valve to modulate fluid flow without the digital microprocessor and/or related components. Fig.2



No. of Pages: 28 No. of Claims: 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3101/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: DGTL MATTING

(51) International classification	:G06T	(71)Name of Applicant:
(31) Priority Document No	:NA	1)S. KALAIVANAN
(32) Priority Date	:NA	Address of Applicant :E-3, FIRST CROSS STREET,
(33) Name of priority country	:NA	GOVINDA NAGAR, PALAVAKKAM, CHENNAI - 600 041
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. KALAIVANAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Dgtl [Dark Grey translit] matting as the name suggests is a matting methodology under image segmentation procedure where region belonging to foreground and that of Background is determined either digitally or optically. Segmentation is determined by state of change of pixel value on every pixel wise location of a frame of image is compared to similar pixel location of another adjacent frame [precaptured or postcaptured] in an image sequence of nominally the same scene in a stream of frames of video capture. To harness a state of change of pixel value the lights [metrics of LED or strobes] which Trans illuminate background screen were switched on and off between alternate frames. It also applies/feasible that only the back lighting can be switched on and off at quick succession within the duration of single frame of capture. The screen is coated with Dark Grey or Black colour paint or micro-particles to a level that the screen is semi-translucent at the facing side of Camera.

No. of Pages: 18 No. of Claims: 5

(21) Application No.3180/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: HAPTIC G-G AUDIO NAVIGATION DEVICE FOR THE VISUALLY CHALLENDGED

		(71)Name of Applicant :
(51) International classification	:G01C	1)HINDUSTAN INSTITUTE OF TECHNOLOGY &
(31) Priority Document No	:NA	SCIENCE
(32) Priority Date	:NA	Address of Applicant :P.O. BOX NO. 1, RAJIV GANDHI
(33) Name of priority country	:NA	SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI
(86) International Application No	:NA	- 603 103 Tamil Nadu India
Filing Date	:NA	2)MR. THANGAKUMAR J
(87) International Publication No	: NA	3)MR. SUDALAI MUTHU T
(61) Patent of Addition to Application Number	:NA	4)MR. SAMBATH M
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)MR. THANGAKUMAR J
Filing Date	:NA	2)MR. SUDALAI MUTHU T
		3)MR. SAMBATH M

#### (57) Abstract:

The present invention generally relates to communication devices and more particularly to methods and apparatus for developing a communication device for assisting visually impaired users in helping them navigate in new locations and also direct them to their desired destination. The objective of the invention is to provide advanced communication device for visually impaired users either blind or partially sighted to provide navigation information via audible messages and haptic feedback to localize and customize their mobility according to the demands of the location. The invention further has features to facilitate communication with other external devices in remote locations, monitor real-time GPS data for transmission to a remote location in the form of an SMS, emergency keys to seek immediate help and an audio interaction feature to listen to navigation and support information, for the visually impaired users.

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

(21) Application No.3181/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: INTELLIGENT REFUELING SYSTEM

(51) International classification	:G06O	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HINDUSTAN INSTITUTE OF TECHNOLOGY &
(32) Priority Date	:NA	SCIENCE
(33) Name of priority country	:NA	Address of Applicant :P.O. BOX NO. 1, RAJIV GANDHI
(86) International Application No	:NA	SALAI (OMR), PADUR, (VIA) KELAMBAKKAM, CHENNAI
Filing Date	:NA	- 603 103 Tamil Nadu India
(87) International Publication No	: NA	2)MR. SUDALAI MUTHU T
(61) Patent of Addition to Application Number	:NA	3)DR. E.R. NAGANATHAN
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)MR. SUDALAI MUTHU T
Filing Date	:NA	2)DR. E.R. NAGANATHAN

### (57) Abstract:

Having human staff at night or in remote rural areas poses several practical difficulties, including health hazards, security problems and also it causes dispute in quantity, payment, which leads gathering and crowding at fuel station. Regardless of the transportation method or type of fuel (electricity or gasoline), future vehicles will still regularly need fuel-filling. Automated fuel filling will become important when smart vehicles travel on our roads. Moreover it is the necessity of the hour and time for an alert system, which can alert the fuel station location with distance, fuel availability at fuel station, get an appointment to fill the fuel, reduce the time taken in manual process of filling. To minimize these challenges and reduce the number of human attendants at fuel filling station, intelligent refueling station is proposed. The proposed system incorporates a user terminal, automatic refueling system, sensor system and alert system. It aims to provide automatic, fast and convenient 24-hour automobile refueling and also provide the intelligent alerts.

No. of Pages: 0 No. of Claims: 0

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: PNEUMATIC TRICYCLE FOR PHYSICALLY CHALLENGED PEOPLE

		(71)Name of Applicant:
(51) International classification	:B62K	
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(32) Priority Date	:NA	ENGINEERING, SRI RAMAKRISHNA ENGINEERING
(33) Name of priority country	:NA	COLLEGE, COIMBATORE - 22 Tamil Nadu India
(86) International Application No	:NA	2)P. BHARATH
Filing Date	:NA	3)M. HARI GOVINDAN
(87) International Publication No	: NA	4)N. MURALI
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. A. MURUGARAJAN
(62) Divisional to Application Number	:NA	2)P. BHARATH
Filing Date	:NA	3)M. HARI GOVINDAN
-		4)N. MURALI

### (57) Abstract:

There is an essential need to address the problems of the physically challenged people with regard to their mobility, since it is such a thing to bring change in their life. Aiding the mobility of these people will surely help them to grow their self belief and actively take part in the society. The mobility can be aided by bringing automation or semi-automation in the already existing mobility equipments. This invention relates to the increasing the mobility of the physically challenged people by a semi-automated tricycle to aid their mobility. The power for the tricycle to propel the is provided by compressed air .The compressed air is stored in a tank, a double acting cylinder is made to reciprocate by using compressed air ,this reciprocating motion is converted into rotary motion by chain drive coupled to the rod end of double acting cylinder. The other end of the chain is connected to a spring, which takes care of the retraction stroke. Hence power is supplied in only one stroke, whereas return stroke is done by the energy stored in the spring(spring tension). This variation in supply of air is controlled by timer circuit and a solenoid valve. This pneumatic drive is also coupled with a conventional chain drive system. Thus this vehicle has two drives to propel it, which can be used simultaneously. As the drive system is placed in the front wheel, it gives better steering, better driving comfort and more traction to the vehicle and also the developed model works at low operating cost. The developed model will cheer the physically challenged community by aiding their mobility and giving a new definition for their mobility needs.

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

(22) Date of filing of Application :05/03/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : VACUUM ASSISTED PRESERVATION OF BIOLOGICAL PRODUCTS IN PARTICULAR OF VACCINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/490987 :12/08/2011 :U.S.A. :PCT/US2012/040230 :31/05/2012 :WO 2013/025274 :NA :NA	(71)Name of Applicant:  1)MERIAL LIMITED  Address of Applicant: 3239 Satellite Blvd. Duluth GA 30096 U.S.A. (72)Name of Inventor:  1)GENIN Noel Yves Henri Jean
Filing Date	:NA	

### (57) Abstract:

The present invention relates generally to the fields of immunology and vaccine technology. More specifically the present invention relates to methods for vitrifying biological preparations including peptides antigens antibodies cells and the like.



No. of Pages: 62 No. of Claims: 11

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention : A METHOD FOR CENTRALIZED POINT ON WAVE SWITCHING AND A CONTROLLER THEREFOR

(51) International classification (31) Priority Document No	:H04W :NA	(71)Name of Applicant: 1)ABB TECHNOLOGY LTD.
(32) Priority Date	:NA	Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050,
(33) Name of priority country	:NA	ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANOOP PARAPURATH
(87) International Publication No	: NA	2)ANIL TALLURI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In aspects, the present invention provides a method of performing point on wave switching using a central point controller in a multiphase electrical system having one or more circuit breakers electrically connected to one or more corresponding subsystems. Each circuit breaker from the one or more circuit breakers includes a circuit breaker control unit functionally coupled to the central point on wave controller. The method includes receiving command for switching for a substation from the one or more subsystems, estimating a time for switching based on configuration information associated with the subsystem and the operating time of a corresponding circuit breaker electrically connected to the subsystem, and transmitting the estimated time for switching to a circuit breaker control unit of the corresponding circuit breaker, for switching the subsystem.

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

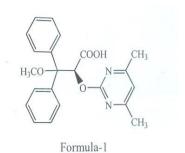
(22) Date of filing of Application :25/07/2012 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF ENDOTHELIN RECEPTOR ANTAGONISTS

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTROY:SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM(VIL), PATANCHERU(MDL), MEDAK(DIST),
(86) International Application No	:NA	ANDHRA PRADESH, INDIA - 502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)NAGAM RAMACHANDRA REDDY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an improved process for the preparation of (+)-(2S)-2-[(4,6-dimethylpyrimidin-2-yl)oxy]-3-methoxy-3,3-diphenylpropionic acid and its intermediate compounds. The (+)-(2S)-2-[(4,6-dimethylpyrimidin-2-yl)oxy]-3-methoxy-3,3-diphenylpropionic acid is represented by the following structural formula-1.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3109/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: HOUSEHOLD EXTRACTOR HOOD PROVIDED WITH A FLUID COLLECTION CONTAINER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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>	:F02D :MI2013A001085 :28/06/2013 :Italy :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Elica S.p.A.  Address of Applicant :of Via Dante 288, I-60044, Fabriano (AN), Italy Italy (72)Name of Inventor:  1)CRISA', Fabrizio
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### (57) Abstract:

The present invention refers to a hood with vertical installation having a forced extraction unit (3) for extracting the aeriform elements, fluid collection container (6) for collecting the dripping condensation fluids. The characteristic is that of comprising electrical actuation means (7), operatively connected with a fluid collection container (6), for moving the fluid collection container (6) between an idle position and an operating position with a predetermined delay period (Ti, T2) with respect to the activation/deactivation of said forced extraction unit (3) (Fig 4)

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

(21) Application No.3187/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: INK RIBBON CASSETTE AND PRINTING APPARATUS

(51) X	D.417	
(51) International classification	:B41J	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)CANON KABUSHIKI KAISHA
(31) Thority Document 110	138334	Address of Applicant :of 30-2, Shimomaruko 3-chome, Ohta-
(32) Priority Date	:01/07/2013	ku,Tokyo 146-8501, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HASHIMOTO, Masaya
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An ink ribbon cassette and printing apparatus capable of stably conveying an ink ribbon includes: a supply shaft around which an ink ribbon is wound around; a rewinding shaft around which the ink ribbon from the supply shaft is to be rewound; a guide shaft configured to abut the ink ribbon on a conveying path of the ink ribbon from the supply shaft to the rewinding shaft; and a regulation portion capable of abutting the guide shaft and configured to abut the guide shaft according to force applied to the guide shaft by the ink ribbon, thereby deforming the guide shaft to protrude toward the ink ribbon.

No. of Pages: 63 No. of Claims: 27

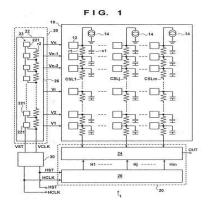
(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : IMAGE SENSOR, IMAGING SYSTEM, SENSOR, AND OPERATION METHOD FOR IMAGE SENSOR

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)CANON KABUSHIKI KAISHA
(31) Thornty Document No	140196	Address of Applicant :of 30-2, Shimomaruko 3-chome, Ohta-
(32) Priority Date	:03/07/2013	ku, Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ARAOKA, Yukio
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An image sensor has a pixel array, a readout portion configured to read out a signal from the pixel array, and a control portion which controls the readout portion. The readout portion includes a row selecting portion which selects a row in the pixel array, a column selecting portion which selects a column in the pixel array, and an output portion which outputs a signal from a pixel, of pixels on a row selected by the row selecting portion, which corresponds to a column selected by the column selecting portion. The pixel array includes blocks differing in distance from the output portion, and the control portion controls readout periods required by the readout portion to read out signals from the blocks so as to read out signals from blocks in longer readout periods as distances from the output portion increase. Fig. 1



No. of Pages: 41 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3036/CHE/2014 A

(19) INDIA

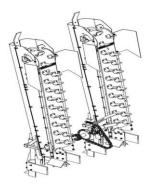
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: POTATO PLANTER

(51) International classification	:a01c	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TRACTORS AND FARM EQUIPMENT LIMITED
(32) Priority Date	:NA	Address of Applicant :NO. 861, ANNA SALAI, CHENNAI -
(33) Name of priority country	:NA	600 002 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)OMRAJ DHANRAJ NAHIDE
(87) International Publication No	: NA	2)K. MURUGESAN
(61) Patent of Addition to Application Number	:NA	3)S. ANAND
Filing Date	:NA	4)A. RAMMOHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT A potato planter is disclosed. Said potato planter comprises a belt and cup mechanism which picks the potato seeds and drops them at target locations in a field; a spacing mechanism (11) for facilitating spacing between two seeds in a row; and a plurality of furrow openers for forming furrows with a predetermined row spacing between potatoes and planting potatoes in a predetermined depth. Figure to be included in abstract: [Figure 1]



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

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: AN ELEVATOR

#### (57) Abstract:

Abstract The invention relates to an elevator comprising an elevator car (1); a counterweight (2); a drive wheel (3) mounted stationary, and having a rotational axis (X); first diverting wheel(s) (4), mounted on the elevator car, and having a rotational axis (W) parallel with the rotational axis (X) of the drive wheel; a second and a third diverting wheel (5, 6; 5", 6"; 5", 6") mounted on the counterweight (2) radially side by side, each having a rotational axis (Y, Z; Y", Z"; Y", Z"), which is at an angle of 60 to 90 degrees relative to the rotational axis (X) of the drive wheel (3); a roping (R) suspending the elevator car (1) and counterweight (2) and comprising a first belt-like rope (a, a") and a second belt-like rope (b, b"), each having a first end and a second end fixed to a stationary rope fixing (f), and each comprising one or more load bearing members (8, 8") made of fiber-reinforced composite material; wherein the first rope (a, a") and the second rope (b, b") arearranged to pass side by side from the fixing (f) of the first end downwards to the elevator car (1); and to turn side by side under said first diverting wheel(s) (4); and to pass upwards to the drive wheel (3); and to turn side by side over the drive wheel (3); and to pass downwards to the counterweight (2), each rope (a, b; a, b) turning around its longitudinal axis an angle of 60 to 90 degrees, and into the gap (g) between the rims of the second and third diverting wheel (5, 6; 5", 6"; 5", 6"), the first rope (a) passing to the second diverting wheel (5) and the second rope (b) passing under the third diverting wheel (6), the diverting wheels (5, 6; 5", 6"; 5", 6") rotating in opposite directions guiding the ropes (a, b; a, b) arriving to them from the drive wheel (3) to turn away from each other; and to pass upwards to the fixing (f) of the second end. Figure 1

No. of Pages: 31 No. of Claims: 15

(21) Application No.3190/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN APPARATUS FOR ENGINE NOISE REDUCTION

(51) International classification :F0 (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 :N (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	1)TVS MOTOR COMPANY LIMITED  Address of Applicant :"JAYALAKSHMI ESTATES†•  NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006  Tamil Nadu India  (72)Name of Inventor :  1)SHASHANKA P GAJIARAHALLI  2)THIRUVALLUR LOGANATHAN  BALASUBRAMANIAN  3)JANAKIRAMAN RAMAMOORTHI  4)VARADHA IVENGAR LAKSHMINARASIMHAN
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## (57) Abstract:

An internal combustion engine with intake and exhaust valves (25, 26); two rocker arms (24A, 24B); two tappet screws (42A, 42B); wherein a pre-stressed elastic member (45A, 45B) is attached to the said tappet screw (42A, 42B) upper end to stop the free rocking motion of the rocker arm tappet screw (42A, 42B) towards the valve resulting in reduced engine noise. < To be published with Fig. 3>

No. of Pages: 24 No. of Claims: 6

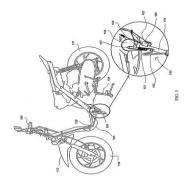
(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN ALERTING MECHANISM FOR A PROP STAND

(51) International classification	·F02D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :"JAYALAKSHMI ESTATES†•
(33) Name of priority country	:NA	NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ARUMUGAM AGATHIYAN
(61) Patent of Addition to Application Number	:NA	2)BALAGURU SRIDHAR
Filing Date	:NA	3)JOGHEE THIRUMAL
(62) Divisional to Application Number	:NA	4)BHUSAM SYAMALA RAO
Filing Date	:NA	

#### (57) Abstract:

The present subject matter discloses a two wheeled vehicle (100) with an alerting mechanism comprising: a prop stand (150) biased to rotate to either an operative position or a withdrawn position, and a throttle cable (159a) with a predetermined slack having a one end connected to a throttle lever (118) and a one other end connected to prop stand (150). The throttle lever (118) is biased to rotate between a zero throttle position and a full throttle position. When the prop stand is in the operative position, the alerting mechanism disables the movement of the vehicle by eliminating the predetermined slack in the throttle cable and hence locking the throttle lever at zero throttle position. In another embodiment, the throttle cable (159a) is portioned into a carburettor cable (161a) and a prop stand cable (163) having a predetermined slack within a junction unit (160). [Abstract to be published with FIG. 3]



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

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ALUMINUM CLAD OBLONG TUBE FOR AIR COOLING SYSTEM CANDENSING PLANT

(51) International classification :H05K (31) Priority Document No :10-2013- 0142294 (32) Priority Date :21/11/201 (33) Name of priority country :Republic of Korea (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 (63) Priority Document No :NA (64) Patent of Addition to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)JNK HEATERS CO., LTD.  Address of Applicant: (WOOLIM LIONS VALLEY,  3 GASAN-DONG) 14F1. C-DONG, 168, GASAN DIGITAL 1-RI, GUMCHEOON-GU, SEOUL 153-786 Republic of Korea (72)Name of Inventor:  1)CHO, SUNG-HO
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#### (57) Abstract:

ABSTRACT The present disclosure is characterized by an aluminum (AL) clad oblong tube for air cooling system condensing plant, the aluminum (AL) clad oblong tube including a clad tube formed at both ends with openings to have at least a pair of flat heat transfer units, a fin strip member configured to emit heat transferred through an interior of the clad tube to air by being accommodated at the pair of heat transfer unit, and a pair of foil members interposed between the clad tube and the fin strip member, wherein the foil member includes an aluminum layer and a flux coating layer formed on a surface facing the clad tube and the fin strip member.

No. of Pages: 33 No. of Claims: 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3112/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: SWITCH DEVICE

(51) International classification	:B41J	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)KABUSHIKI KAISHA TOKAI RIKA DENKI
(31) Thomas Document No	140621	SEISAKUSHO
(32) Priority Date	:04/07/2013	Address of Applicant :260, TOYOTA 3-CHOME,
(33) Name of priority country	:Japan	OHGUCHI-CHO, NIWA-GUN, AICHI 480-0195 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAKEUCHI MOTOYA
(87) International Publication No	: NA	2)MUTO TAKAYASU
(61) Patent of Addition to Application Number	:NA	3)TERAKAWA KATSUTOSHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A switch device includes a terminal and a leaf spring supported by the terminal. The leaf spring is resiliently movable to produce a contact action. The leaf spring includes a metal plating applied to a portion that is in contact with and supported by the terminal. The metal plating is not applied to a portion of the leaf spring where stress concentrates when the leaf spring is resiliently moved.

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

(21) Application No.3192/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SHEET ROLL FORMING 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B21D :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)N. R. KARTHIK Address of Applicant: DEPARTMENT OF MECHANICAL ENGINEERING, SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, COIMBATORE - 641 022 Tamil Nadu India 2)N.R. KARTHIK 3)S. BALAJI 4)N. MANIKANDAN (72)Name of Inventor: 1)N. R. KARTHIK 2)C. NAVEEN KUMAR 3)S. BALAJI 4)N. MANIKANDAN
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#### (57) Abstract:

Sheet metal roll forming machine normally uses two dies and a central core pin. This involves conversion of flat rectangular sheet metal to circular roll of sheet. Here we propose a machine that uses a new method to form sheet rolls using three dies and a central core pin. This new method is gentle, effective and could improve productivity. The flat rectangular sheet metal has to be placed in between the central core pin and the bottom half die. Then the lever has to be pulled. This allows the pinions (placed at  $90\hat{A}^{\circ}$  to each other) to rotate and drive the three racks that are attached to the dies. The half die makes the first encounter with the sheet metal. The flat sheet thrust by the half die onto the central core pin turns to U shape. Then the other two dies press the sheet over the center core pin and thus making it in a circular sheet roll. The displacement lag between the half die and the two quarter dies is achieved by engaging a spring subassembly in between half die and driver rack

No. of Pages: 10 No. of Claims: 2

(21) Application No.3193/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TABLE TENNIS BALL SHOOTING 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA ·NA	(71)Name of Applicant: 1)N. R. KARTHIK Address of Applicant: DEPARTMENT OF MECHANICAL ENGINEERING, SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, COIMBATORE - 641 022 Tamil Nadu India 2)K. ARUL MOZHI 3)A.B. BALAHARI 4)B. KARTHIK (72)Name of Inventor: 1)N. R. KARTHIK 2)K. ARUL MOZHI 3)A.B. BALAHARI 4)B. KARTHIK
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#### (57) Abstract:

Conventional table tennis ball shooting machines have ball shooting box, maneuvering mechanisms to control the direction of throw of the ball, ball frequency, shuffle placement, automatic ball feeding, etc., We propose a simple cost effective method for serving with limited features to support training of beginner level table tennis players. This machine include gravity ball feeding in to the ball shooting box and two individually controlled unidirectional motors each powering individual crank and shaft mechanism to control the maneuvering of the direction of ball throw. As the new setup is rugged, portable and of course cost effective, it enables the trainers to use more number of such training kits to train their trainees.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MECHANICALLY OPERATED WATER DISCHARCHING MACHINE

(51) International classification :G060 (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)DINESH. S Address of Applicant: SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, NGGO COLONY POST, COIMBATORE - 641 022 Tamil Nadu India 2)RAGU. M 3)SHANMUUGANATHAN. A 4)YOGESHWARAN. D (72)Name of Inventor: 1)DINESH. S 2)RAGU. M 3)SHANMUGANATHAN. A 4)YOGESHWARAN. D
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## (57) Abstract:

DESIGN AND FABRICATION OF MECHANICALLY OPERATED WATER DISCHARGING MACHINE In this project we are fabricating the weight sensing automatic water discharging machine. The project is used to operate the water pipe through the easy operation of pressing the pedal. The project can be devolped and can be implemented anywhere to restrict the wastage of water. Our necessity of project is that our world is now facing huge problem of water shortage. So we need to implement such system which increases the utilization of fresh water by reducing the water wastage.in this point of view this project is necessary now. The pedal can be easily operated by any person; even children can use this. This equipment is automatic so this project is very useful for using in hotels, restaurants, public area and home uses.

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

(22) Date of filing of Application :27/06/2014

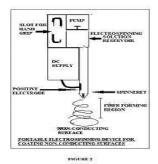
(43) Publication Date: 05/02/2016

# (54) Title of the invention : WIDE-RANGE FABRICATION OF NANOFIBRE-WEBS FOR PEST-CONTROL AND EXTENDED LIFE OF FARM PRODUCE â€" SYSTEM, APPARATUS AND METHODS THEREOF.

(51) International classification	:D01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS
(32) Priority Date	:NA	Address of Applicant :INDIAN INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY MADRAS IIT P.O Chennai – 600 036 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANANT SHAM RAHEJA
(61) Patent of Addition to Application Number	:NA	2)T S CHANDRA
Filing Date	:NA	3)T S NATARAJAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for Wide-range fabrication of Nanofiber-webs for pest-control and extended life of farm produce is disclosed. An apparatus and system for safe operation as well as for controlling the environment of the electrospun fibers throughout their duration of ?ight from the spinneret nozzle to the targeted point of application is disclosed.



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

(22) Date of filing of Application :27/06/2014

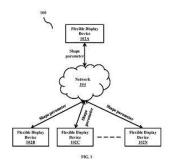
(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR DYNAMICALLY STORING AND TRANSFERRING SHAPE OF A FLEXIBLE DISPLAY DEVICE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung R & D Institute India- Bangalore Private
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :# 2870, Orion Building, Bagmane
(86) International Application No	:NA	Constellation Business Park, Outer Ring Road, Doddanekundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore-560037 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Vijay Kumar Mishra
Filing Date	:NA	2)Daksh Kumar Vasistha
(62) Divisional to Application Number	:NA	3)Ashish Kak
Filing Date	:NA	

#### (57) Abstract:

A method and system for storing shape in a flexible display device is provided. The method includes detecting an event in the flexible display device. The event is associated with a shape change. Further, the method includes identifying the shape in accordance to the detected event. Furthermore, the method includes storing the shape in the flexible display device. The shape can be a default shape configured by a user in the flexible display device. FIG. 1



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

(22) Date of filing of Application :23/06/2014

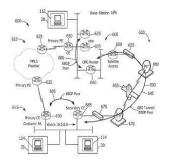
(43) Publication Date: 05/02/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR A NETWORK TO NETWORK 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> </ul>	:21/12/2012 :WO 2013/096795 :NA :NA	(71)Name of Applicant:  1)MASTERCARD INTERNATIONAL INCORPORATED Address of Applicant: 2000 Purchase Street Purchase New York 10577 U.S.A. (72)Name of Inventor: 1)AGUILAR Edgar 2)RUHLMAN Curtis S 3)CARNEY Kevin S.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A method and system for processing raw address data using a computer device coupled to a database are provided. The method includes receiving at the network interface device a first network message containing financial transaction data from a first one of a plurality of multiprotocol label switching networks determining a destination of the financial transaction data from the network message transmitting the financial transaction data to a second one of the plurality of multiprotocol label switching networks using a second network containing the financial transaction data where at least one of the first one and the second one of the plurality of multiprotocol label switching networks is a satellite based network.



No. of Pages: 45 No. of Claims: 20

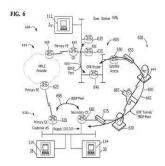
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR EXTENDING AN EXISTING NETWORK

(51) International classification	:H04L12/12	(71)Name of Applicant:
(31) Priority Document No	:61/579803	1)MASTERCARD INTERNATIONAL INCORPORATED
(32) Priority Date	:23/12/2011	Address of Applicant :2000 Purchase Street Purchase New
(33) Name of priority country	:U.S.A.	York 10577 U.S.A.
(86) International Application No	:PCT/US2012/071349	(72)Name of Inventor:
Filing Date	:21/12/2012	1)AGUILAR Edgar
(87) International Publication No	:WO 2013/096826	2)RUHLMAN Curtis S
(61) Patent of Addition to Application	:NA	3)CARNEY Kevin S.
Number		4)ALHALWACHI Hasan A.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

A computer implemented method for extending a payment network via a rapidly deployable telecommunications (RDT) network is provided. The method is implemented using a computer device coupled to a memory device. The method includes pre assembling a network kit including a plurality of networking components for deploying at least a portion of an RDT network determining a storage location for the network kit determining a stock count of network kits storing a number of network kits in the storage location equal to the stock count and processing a request for one of the network kits stored within the storage location.



No. of Pages: 55 No. of Claims: 22

(22) Date of filing of Application :23/06/2014

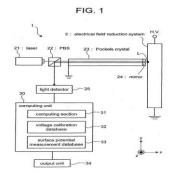
(43) Publication Date: 05/02/2016

# (54) Title of the invention : SURFACE POTENTIAL DISTRIBUTION MEASURING DEVICE AND SURFACE POTENTIAL DISTRIBUTION MEASURING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01R31/34 :2011258147 :25/11/2011 :Japan :PCT/JP2012/007467 :21/11/2012 :WO 2013/076975 :NA :NA :NA	(71)Name of Applicant:  1)TOSHIBA MITSUBISHI ELECTRIC INDUSTRIAL SYSTEMS CORPORATION  Address of Applicant: 3 1 1 Kyobashi Chuo ku Tokyo 1040031 Japan  2)THE UNIVERSITY OF TOKYO (72)Name of Inventor: 1)TSUBOI Yuichi 2)YAMADA Shinichiro 3)YOSHIMITSU Tetsuo 4)HIDAKA Kunihiko 5)KUMADA Akiko 6)IKEDA Hisatoshi
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#### (57) Abstract:

In a surface potential distribution measuring device (1) for an electric field reduction system (3) of a rotating electric machine by using a Pockels crystal (23) between a laser (21) and the surface (test location (L)) of the electric field reduction system (3) the light intensity of a laser beam reflected on a mirror (24) provided between the Pockels crystal (23) and the test location (L) corresponds to an output voltage that is the voltage difference between one end surface of the Pockels crystal (23) and the other end surface thereof. Even when an inverter pulse voltage is generated by using a light detector (25) having a frequency band capable of following the high frequency components of the inverter pulse voltage the light intensity is detected by the light detector (25). Therefore from the light intensity (output voltage) the surface potential distribution measuring device (1) can measure the surface potential of the electric field reduction system (3) in which an inverter pulse voltage is assumed to be generated.



No. of Pages: 44 No. of Claims: 11

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LIFE SAFETY DEVICE IN TWO WHEELER SIDE STAND

<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)MOHAMED AZHATHULLA KHAN. F Address of Applicant:1272/5, YAGAPPA NAGAR, 1ST STREET, MADURAI - 625 020 Tamil Nadu India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)MOHAMED AZHATHULLA KHAN.F
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The spring type relay (4) is mounted on frame assembly the relay (4) mechanically connected to the frame and electrically connected with the ignition coil (5). When the ignition switch (2) is turned on by the rider the input from the battery (1) reaches the ignition coil (5) and high voltage is transmitted to the spark plug (6) in a normal two wheeler. In the present invention the relay (4) is placed in between the ignition switch (2) and ignition coil (5). If the side stand (7) is not retracted as shown fig-3, the relay (4) becomes open and there is no possibility to flow of current from battery (1) to ignition coil (5). So the spark plug does not produce spark to ignite the fuel. Hence the two wheeler does not start.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3121/CHE/2014 A

(19) INDIA

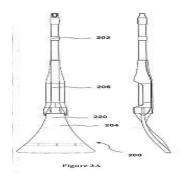
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A CLEANING DEVICE

(51) International classification	:A47L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:NA	Address of Applicant :of 3M Center, P O Box 33427, Saint
(33) Name of priority country	:NA	Paul MN 55133-3427, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Rajagopalan, Renjith
(87) International Publication No	: NA	2)Philip Korah, Blessen
(61) Patent of Addition to Application Number	:NA	_
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cleaning device with long flexible zone and better coverage is provided. The cleaning device includes a handle assembly; and a mop which includes a holder, two or more resilient rods, and a cleaning member that enclosing the two or more resilient rods. The holder is configured to hold and spread the two or more resilient rods within the cleaning member. The mop has an inbuilt wringing unit to expel water conveniently from the cleaning media. The cleaning media can be conveniently attached or removed from the mop head. Figure 2A



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

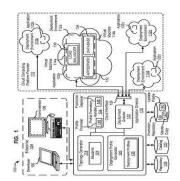
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS TO UPDATE APPLICATION DEPLOYMENTS IN CLOUD COMPUTING ENVIRONMENTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F :NA :NA	(71)Name of Applicant: 1)VMWARE, INC. Address of Applicant: 3401 Hillview Avenue, Palo Alto, CA
(33) Name of priority country	:NA	94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SERVESH SINGH
(87) International Publication No	: NA	2)ARUN NARAYANASWAMY
(61) Patent of Addition to Application Number	:NA	3)KIRAN SINGH
Filing Date	:NA	4)ASHISH KUMAR JAIN
(62) Divisional to Application Number	:NA	5)AGILA GOVINDARAJU
Filing Date	:NA	

### (57) Abstract:

Methods, apparatus and systems are disclosed to update application deployments in cloud computing environments. An example method disclosed herein includes identifying an update profile to promote across the plurality of deployment environments, the update profile to update a component of the application, in response to a notification of promotion of the update profile received at a first deployment environment. The example method also includes displaying a user-selectable control in a user interface, the user-selectable control to specify whether to apply the update profile to the component of the application deployed in the first deployment environment, based on selection of the user-selectable control, performing a compatibility check of the first deployment environment and the update profile, and based on an outcome of the compatibility check, applying the update profile to the component of the application deployed in the first deployment environment. [Fig. 1]



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

(22) Date of filing of Application :24/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: AUTOMATIC BLOOD VESSEL IDENTIFICATION BY NAME

(51) International classification :A61B8/00,A61B8/06,A61B8/08 (71)Name of Applicant :

(31) Priority Document No :61/576551 (32) Priority Date :16/12/2011

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

(86) International Application No:PCT/IB2012/057057

Filing Date :07/12/2012

(87) International Publication No: WO 2013/088320

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

(62) Divisional to Application

:NA Number :NA Filing Date

1)KONINKLIJKE PHILIPS N.V.

Address of Applicant : High Tech Campus 5 NL 5656 AE

Eindhoven Netherlands (72)Name of Inventor:

1)VAJINEPALLI Pallavi

2)SISODIA Rajendra Singh

3)GUPTA Lalit

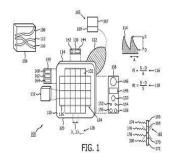
4)RAMACHANDRAN Ganesan

5)FIRTION Celine 6)PETRUZZELLO John

7)ANAND Ajay

### (57) Abstract:

A device is configured for interrogating a blood vessel to derive flow characteristics (S628) and for responsive to the deriving and based on the derived characteristics anatomically identifying the vessel. A spatial map of the vessels may be generated based on the interrogating and specifically the Doppler power computed from data acquired in the interrogating. Subsequent interrogating (S668) may occur based on the map and on a user selected set of vessels and/or vessel categories to derive clinical Doppler indices. The device can be designed to automatically set a sample volume (509) for the subsequent interrogating and to operate automatically from the user selection to display of the indices. The display may further include an image (524) of the vessels summoned by the set annotated by their individual anatomical names and optionally a diagnosis relating to blood flow. The displayed image may be enlarged to zoom in on the user's onscreen selection. The device may feature a two dimensional ultrasound non phased array of transducer elements.



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

(22) Date of filing of Application :25/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : "SYSTEM AND METHOD FOR RE-ESTABLISHING EPS SESSSION MANAGEMENT PROCEDURE DEACTIVATED DURING EPS MOBILITY MANAGEMENT PROCEDURE†•

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung R & D Institute India- Bangalore Private
(32) Priority Date	:NA	Limited
(33) Name of priority country	:NA	Address of Applicant :# 2870, Orion Building, Bagmane
(86) International Application No	:NA	Constellation Business Park, Outer Ring Road, Doddanekundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore-560037 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Kailash Kumar Jha
Filing Date	:NA	2)Prakash Rao
(62) Divisional to Application Number	:NA	3)Krishanmurthy DR
Filing Date	:NA	4)Deep Chatterjee

#### (57) Abstract:

A system, User Equipment (UE) and method for re-establishing an EPS session management (ESM) procedure deactivated during an EPS Mobility Management Procedure (EMM) over the UE is described. An ESM message is transmitted to the UE during an ongoing EMM procedure. The ESM procedure is suspended due to the ongoing EMM procedure. The UE transmits a status message to the network regarding completion of the EMM procedure. The UE may also buffer the ESM messages and may also transmit buffered ESM messages upon completion of the EMM procedure. Further, network may transmit the ESM message over a TAU accept request message in an ESM container and may receive a response message for transmitted ESM message from the UE. Based on the response message received from the UE, the ESM procedure is re-established at the UE. FIG. 7



No. of Pages: 49 No. of Claims: 19

(22) Date of filing of Application :30/06/2014

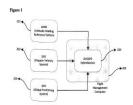
(43) Publication Date: 05/02/2016

(54) Title of the invention: A NOVEL METHODOLOGY OF DATA FUSION USING DOPPLER VELOCITY SYSTEM (DVS) WITH GLOBAL POSITIONING SYSTEM (GPS) FOR ENHANCING THE ACCURACIES OF POSITION AND VELOCITY SOLUTION FOR THE ACCURATE NAVIGATION OF HELICOPTER

(51) International classification	:G01C21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MCSRDC, HINDUSTAN AERONAUTICS LIMITED,
(32) Priority Date	:NA	BANGALORE, A GOVERNMENT OF INDIA
(33) Name of priority country	:NA	UNDERTAKING.
(86) International Application No	:NA	Address of Applicant :MCSRDC DIVISION, HINDUSTAN
Filing Date	:NA	AERONAUTICS LIMITED, VIMANAPURA POST,
(87) International Publication No	: NA	BANGALORE - 560 017 Karnataka India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SINGH ABHISHEK
(62) Divisional to Application Number	:NA	2)KUMAR PRASHANT
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a unique methodology for enhancing the accuracy of Doppler Velocity System (DVS) solutions in terms of position and velocity by performing hybridization with Global Positioning System (GPS). The AHRS system (201) in association with DVS (202) is used to compute the position and velocity parameters. Using computed positional parameters and the vehicular navigation model over the earth atmosphere, a process model is formed. The GPS (203) is used to provide the accurate observation in terms of position. This observation is used to form the measurement model. These two models are fused in the most optimum way in DVSGPS hybridization module (204) to perform optimum data fusion. The DVSGPS hybridization module (204), then provides the accurate solution for helicopter position, velocity and attitudes. These accurate solutions are utilized by Flight Management Computer (205) for providing navigation to the pilot.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3169/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PEMETREXED DIPOTASSIUM FORMULATIONS

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHILPA MEDICARE LIMITED
(32) Priority Date	:NA	Address of Applicant :Dr. AKSHAY KANT CHATURVEDI,
(33) Name of priority country	:NA	SHILPA MEDICARE LIMITED, 10/80, SECOND FLOOR,
(86) International Application No		RAJENDRA GUNJ, RAICHUR, KARNATAKA, INDIA-584102
Filing Date	:NA	Phone: +91 – 08532-286199 Fax: +91 – 08532-286199
(87) International Publication No	: NA	Email: akshay@vbshilpa.com Karnataka India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHIVAKUMAR; PRADEEP
(62) Divisional to Application Number	:NA	2)CHATURVEDI; AKSHAY KANT
Filing Date	:NA	

# (57) Abstract:

The present application provides pharmaceutical compositions derived from pemetrexed dipotassium Nonahydrate and its process thereof. The present application also provides a method of treating cancer by administering intravenously the reconstituted lyophilized compositions into a patient in need thereof.

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

(22) Date of filing of Application :24/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: LIGHTING DEVICE

(51) International :F21S10/00,F21V23/00,H05B33/08

classification (31) Priority Document No :61/569340

(32) Priority Date :12/12/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/IB2012/057053

:07/12/2012 Filing Date

(87) International Publication :WO 2013/088317

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KONINKLIJKE PHILIPS N.V.

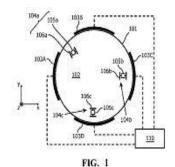
Address of Applicant: Groenewoudseweg 1 NL 5621 BA

Eindhoven Netherlands (72) Name of Inventor:

1)RADERMACHER Harald Josef Guenther

# (57) Abstract:

The invention relates to a method and a lighting device (100) for generating light. The lighting device (100) comprises at least one light source (105a 105b 105c) connected to two receiving electrodes (106a 106b 106c). Moreover it comprises at least two supply electrodes (103A 103B 103C 103D) for generating an electrical field (E) wherein the relative configuration between the receiving electrodes (106a 106b 106c) and the electrical field (E) can change. Such a change may for example come about by a movement of the receiving electrodes (106a 106b 106c) relative to the electrical field (E) and/or by changing the configuration of the electrical field (E). The light source (105a 105b 105c) and/or the receiving electrodes (106a 106b 106c) are preferably embedded in a non solid filling of a container (101). Thus three dimensional structures of light sources can be designed in which the light sources (105a 105b 105c) may optionally be movable.



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

(21) Application No.3093/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : AN UV PROTECTION COMPOSITION COMPRISING CHICORUM AND LEUCAS PLANT EXTRACT AND USES THEREOF

(51) International placeification	:A61K	(71)Name of Applicant :
(51) International classification	8/00	1)ITC LIMITED
(31) Priority Document No	:NA	Address of Applicant :ITC-LIFE SCIENCE AND
(32) Priority Date	:NA	TECHNOLOGY CENTRE #3, 1st Main, Peenya Industrial Area,
(33) Name of priority country	:NA	Phase 1, Bangalore 560 058 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KIRUBAKARAN, Balavaishnavi
(87) International Publication No	: NA	2)PASUPULATE, Sravanthi
(61) Patent of Addition to Application Number	:NA	3)MURALI, Deepa
Filing Date	:NA	4)BHASKAR, James Prabhanand
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to a sunscreen composition comprising natural plant derived extracts obtained from Chicorium intybus, and Leucas aspera that provides wide spectrum UV protection. The present disclosure also provides formulations comprising the said composition that are useful for topical application for protection against harmful effects of UV radiation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3094/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NO RINSE SHAMPOO COMPOSITION AND USES THEREOF

(51) International classification	:A61Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ITC LIMITED
(32) Priority Date	:NA	Address of Applicant :ITC LIFE SCIENCE AND
(33) Name of priority country	:NA	TECHNOLOGY CENTER #3, 1st Main, Peenya Industrial Area,
(86) International Application No	:NA	Phase 1, Bangalore 560 058 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TIPRE, Manish
(61) Patent of Addition to Application Number	:NA	2)KATIYAR, Sneha
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to a hair cleansing no rinse shampoo composition. Specifically, the present disclosure relates to a composition comprising primarily a starch species, and a surfactant species in particular a ratio that is effective in an application as a no rinse shampoo.

No. of Pages: 18 No. of Claims: 9

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : COMPOSITION COMPRISING NATURAL EXTRACTS FOR COSMETIC SKIN BENEFIT AND USES THEREOF

(51) International along "Continu	A (10	(71)N
(51) International classification	-	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ITC LIMITED
(32) Priority Date	:NA	Address of Applicant :ITC-LIFE SCIENCE AND
(33) Name of priority country	:NA	TECHNOLOGY CENTRE #3, 1st Main, Peenya Industrial Area,
(86) International Application No	:NA	Phase 1, Bangalore 560 058 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MOHAN, Aparna
(61) Patent of Addition to Application Number	:NA	2)MANOHARAN, Shalini
Filing Date	:NA	3)BHASKER, James
(62) Divisional to Application Number	:NA	4)MOHOD, Radhika
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to a composition comprising natural extracts, silicone blend, and aluminum hydroxide. The present disclosure further relates to formulations comprising said composition, wherein said formulation is useful for enhancing melanin depigmentation, reducing skin wrinkles, enhancing skin hydration, skin radiance, and skin smoothening. Further, the disclosure relates to formulations that are cost-effective alternatives and are thermo tolerant.

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

(22) Date of filing of Application :30/08/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention : NOVEL POLYMORPH OF (Z) -2-CYANO-3-HYDROXY-BUT-2-ENOIC ACID - $(4-TRIFLUOROMETHYL\ PHENYL)$ -AMIDE AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)VISHNUVARDHAN SUNKARA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a novel crystalline form of (Z)-2-cyano-3-hydroxy-but-2-enoic acid-(4-trifluoromethylphenyl)-amide represented by the following structural formula-1 and process for its preparation.

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

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING HIGH QUALITY E CAPROLACTAM

(51) International :C07D201/16,C07D223/10,C07B61/00 classification

(31) Priority Document No :2011287373

(32) Priority Date :28/12/2011 (33) Name of priority

:Japan country

(86) International :PCT/JP2012/077948

Application No :30/10/2012 Filing Date

(87) International :WO 2013/099425 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)SUMITOMO CHEMICAL COMPANY LIMITED

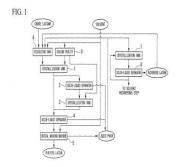
Address of Applicant: 27 1 Shinkawa 2 chome Chuo ku Tokyo

1048260 Japan

(72) Name of Inventor: 1)NAGAMI Hideto 2)OZAKI Tatsuya

### (57) Abstract:

A method for producing high quality e caprolactam comprising: a purification step of allowing e caprolactam to be crystallized from a mixed solution that is prepared by mixing crude e caprolactam produced by the Beckmann rearrangement of cyclohexanoneoxime with an organic solvent and then subjecting the resultant solution to solid/liquid separation to produce high quality e caprolactam and a drop crystallization collected mother liquor; and a collection step of evaporating an evaporative crystallization mother liquor containing the drop crystallization collected mother liquor to cause the crystallization of e caprolactam and then subjecting the resultant solution to solid/liquid separation to produce collected e caprolactam and an evaporative crystallization collected mother liquor. In the method prior to the collection step the following steps are involved: a step of mixing the drop crystallization collected mother liquor with at least a portion of the evaporative crystallization collected mother liquor at least a portion of an evaporative crystallization mother liquor that is removed from a vessel in which evaporative crystallization is to be carried out or both of at least a portion of the evaporative crystallization collected mother liquor and at least a portion of the evaporative crystallization mother liquor to prepare a mixed solution; and a step of introducing the mixed solution into the vessel and mixing the mixed solution with the evaporative crystallization mother liquor that is stored in the vessel.



No. of Pages: 50 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3045/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A NOVEL EXTRACT FORM TRISHODESMA INDICUM LINN. R.BR WITH ANTI TUMOR ACTIVITY

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. S. RAVI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	KARPAGAM UNIVERSITY, POLLACHI MAIN ROAD,
(86) International Application No	:NA	COIMBATORE - 641 021 Tamil Nadu India
Filing Date	:NA	2)ALARMAL MANGAL. S
(87) International Publication No	: NA	3)KARPAGAM UNIVERSITY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. S. RAVI
(62) Divisional to Application Number	:NA	2)ALARMAL MANGAL. S
Filing Date	:NA	3)KARPAGAM UNIVERSITY

#### (57) Abstract:

A method is described for the preparation of an extract having a pharmacological activity, in particular an anti-tumoral activity, from Trishodesma indicum Linn.R.Br. Said extracts which are to be used in the pharmaceutical field, consist of complex mixtures of compounds along with lupeol, stigmasterol and betulinic acid.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR ISOLATION OF HERACLENIN FROM AEGLE MARMELOS CORREA

(51) International classification	:C10L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. S. RAVI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	KARPAGAM UNIVERSITY, POLLACHI MAIN ROAD,
(86) International Application No	:NA	COIMBATORE - 641 021 Tamil Nadu India
Filing Date	:NA	2)KARPAGAM UNIVERSITY
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. S. RAVI
Filing Date	:NA	2)KARPAGAM UNIVERSITY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a process for the isolation of heraclenin a linear furanocoumarin from Aegle marmelos Correct. The process comprising the extraction of fresh/dried powdered pulp of fruits with a solvent, concentration and cooling to 0 to 5" C to crystallise heraclenin.

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

(21) Application No.3047/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A PROCESS FOR ISOLATION AND CHARACTERIZATION OF PRODIGIOSIN FORM SEEATIA MARCESCENS MBB02 ON SELECTIVE MEDIA

(51) International classification	:C12P	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. M. PALANISWAMY
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	MICROBIOLOGY, KARPAGAM UNIVERSITY, POLLACHI
(86) International Application No	:NA	MANI ROAD, COIMBATORE - 641 021 Tamil Nadu India
Filing Date	:NA	2)DR. B. V. PRADEEP
(87) International Publication No	: NA	3)KARPAGAM UNIVERSITY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. M. PALANISWAMY
(62) Divisional to Application Number	:NA	2)DR. B.V. PRADEEP
Filing Date	:NA	3)KARPAGAM UNIVERSITY

### (57) Abstract:

In peanut powder media, the dark colored pigment was biosynthesized from native soil bacteria Serratia marcescens MBB02. The dried extract was dissolved in chloroform and then applied to a silica gel column. Compounds were separated using a chloroform/ethyl acetate solvent system. Subsequently, it was purified by column chromatography as a result; pure prodigiosin was identified. Further it was analyzed by UV, IR, FTIR, HPLC, LC-MS and \*H NMR confirmed the detailed structure of the pigment with an elementary composition of C20H25N3O (Prodigiosin). The present invention is to provide that the bacterial prodigiosin used has antimicrobial, anticancer and textile colorant properties.

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

(22) Date of filing of Application :25/06/2014

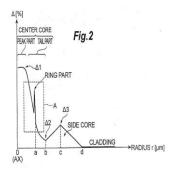
(43) Publication Date: 05/02/2016

# (54) Title of the invention: OPTICAL FIBER AND OPTICAL COMMUNICATION SYSTEM CONTAINING SAME

	ntor:
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#### (57) Abstract:

This optical fiber is provided with a central core a side core and a cladding. The periphery of the central core includes a ring portion in which the relative refractive index difference changes discontinuously. Defining a as the radius from the core center to outside of the ring portion and c as the radius up to the position where the relative refractive index difference is maximal in the side core by realizing a refractive index distribution of a shape in which c/a is 2.25 to 2.50 the variance value cable cut off wavelength bending loss at a diameter of 20mm and effective cross sectional area can be configured in a desired range.



No. of Pages: 36 No. of Claims: 7

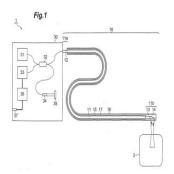
(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: OPTICAL PROBE AND OPTICAL MEASUREMENT METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G01N21/17 :2012030956 :15/02/2012 :Japan :PCT/JP2012/068605 :23/07/2012 :WO 2013/121602 :NA	(71)Name of Applicant:  1)SUMITOMO ELECTRIC INDUSTRIES LTD.  Address of Applicant: 5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan (72)Name of Inventor:  1)HASEGAWA Takemi 2)HIRANO Mitsuharu 3)TANAKA Masato
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided are an optical measurement method suitable for measuring the distribution of lipids in blood vessels and an optical probe suitable for use in a method of such description. The optical probe (10) is provided with: an optical fiber (11) for transmitting light between the proximal end (11a) and the distal end (11b); an optical connector (12) connected to the optical fiber (11) at the proximal end (11a); a collecting optical system (13) and a deflection optical system (14) connected to the optical fiber (11) at the distal end (11b); a support tube (15) and a jacket tube (16) surrounding the optical fiber (11) and extending along the optical fiber; and a buffer fluid (17) filling the interior cavity of the jacket tube. The optical fiber (11) has a cutoff wavelength shorter than 1.53  $\hat{A}\mu m$ . The optical fiber (11) the collecting optical system (13) the deflection optical system (14) and the buffer fluid (17) and the jacket tube (16) located on the optical path coupled to the fundamental mode of the optical fiber (11) have a light permeability of 2 to 0 dB in a wavelength band of 1.6 to 1.8  $\hat{A}\mu m$ .



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

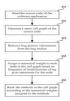
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: IDENTIFYING CODE THAT EXHIBITS IDEAL LOGGING BEHAVIOR

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VMWARE, INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto, CA
(33) Name of priority country	:NA	94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIPIN BALACHANDRAN
(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:

Techniques are described for identifying the ideal or preferred logging behavior to be followed in a software development project. A numerical weight is computed for each method in the source code that can be used to rank the logging behavior of that method. The numerical weight is computed in such a way that the methods whose log printing statements have been modified more frequently receive higher numerical weights. The assumption is that since most logging enhancements are done as after thoughts during code reviews or while fixing bugs, the ideal logging behavior will be exhibited by those methods whose logging behavior was modified the most frequently. Once the methods have been ranked according to the numerical weight, the highest ranking methods can be used to provide insight to developers about the ideal logging behavior for the project. [FIG. 4]



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

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: CARBON FIBER COATED WITH SIZING AGENT PROCESS FOR PRODUCING CARBON FIBER COATED WITH SIZING AGENT PREPREG AND CARBON FIBER REINFORCED COMPOSITE MATERIAL

(51) International :D06M13/11,D06M15/55,D06M101/40

:Japan

:NA

:NA

:NA

:NA

:WO 2013/099707

classification

(31) Priority Document :2011285052

No

(32) Priority Date :27/12/2011

(33) Name of priority

country

(86) International

Application No :PCT/JP2012/082823 :18/12/2012

Filing Date

(87) International

Publication No

(61) Patent of Addition to

Application Number Filing Date

(62) Divisional to
Application Number

Filing Date

(71)Name of Applicant:

1)TORAY INDUSTRIES INC.

Address of Applicant: 1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038666 Japan

(72) Name of Inventor:

1)ICHIKAWA Tomoko

2)ENDO Makoto

3)TAIKO Hiroshi

4)KOBAYASHI Masanobu

5)ARAI Nobuyuki

6)MISUMI Jun

#### (57) Abstract:

A carbon fiber coated with a sizing agent is provided. This carbon fiber exhibits excellent adhesion to a matrix resin ensures excellent stability of composite physical properties of a prepreg even after long term storage and is excellent in high order processability. A process for producing the carbon fiber coated with a sizing agent a prepreg and a carbon fiber reinforced composite material are also provided. A carbon fiber coated with a sizing agent which comprises (A) an aliphatic epoxy compound and (B) an aromatic compound that contains (B1) an aromatic epoxy compound as the essential component characterized in that the (a)/(b) ratio is 0.50 to 0.90 wherein (a) is the height (cps) of the peak at a binding energy of 284.6eV assignable to CHC C and C=C in the Ccore spectrum as determined by subjecting the surface of the sizing agent to X ray photoelectron spectroscopy using AlKa as the X ray source at a photoelectron emission angel of 15° and (b) is the height (cps) of the peak at a binding energy of 286.1eV assignable to C O therein.

No. of Pages: 161 No. of Claims: 28

(22) Date of filing of Application :24/06/2014

(43) Publication Date: 05/02/2016

## (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT OF TUMOURS THAT EXPRESS EGFR AND GANGLIOSIDE N GLYCOLYL GM3 (NEUGCGM3)

(51) International :A61P35/00,C07K16/28,C07K16/42

classification (31) Priority Document No :CU/P/2011/0245

(32) Priority Date :27/12/2011 (33) Name of priority country: Cuba

(86) International Application :PCT/CU2012/000007

No :04/12/2012 Filing Date

(87) International Publication :WO 2013/097834

(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)CENTRO DE INMUNOLOGIA MOLECULAR

Address of Applicant :Calle 216 Esq. a 15 Atabey. Playa. La

Habana. Cuba La Habana 11600 Cuba

(72) Name of Inventor:

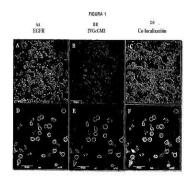
1)GONZÃ • LEZ PALOMO Adys

2)CARR PEREZ Adriana 3)LEÃ"N MONZÃ"N Kalet 4)BLANCO SANTANA Rancés

5)BARROSO ALVAREZ MarÃa del Carmen 6)MACÃ • AS ABRAHAM Amparo Emilia 7)MONTERO CASIMIRO José Enrique

### (57) Abstract:

The invention relates to pharmaceutical composition for the treatment of malignant tumours in particular tumours that express EGFR and N glycolyl GM3 ganglioside targets in order to enhance the therapeutic effect produced individually by therapies against said targets. The pharmaceutical compositions of the invention comprise antibodies and/or vaccines against each of the targets. In addition the invention relates to the methods used to apply the compositions of the invention.



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

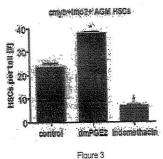
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD TO MODULATE HEMATOPOIETIC STEM CELL GROWTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C12N5/22 :60/785,968 :23/03/2006 :U.S.A. :PCT/US2007/007419 :26/04/2007 :WO/2007/112084 :NA :NA	(71)Name of Applicant:  1)CHILDREN'S MEDICAL CENTER CORPORATION Address of Applicant:55 Shattuck Street, Boston, MA 02115, USA U.S.A.  2)THE GENERAL HOSPITAL CORPORATION (72)Name of Inventor: 1)ZON, Leonard, I 2)NORTH, Trista, E 3)GOESSLING, Wolfram
(61) Patent of Addition to Application Number	:NA	2)NORTH, Trista, E

## (57) Abstract:

The present invention provides for compositions and methods for modulating hematopoietic stem cell populations by using HCS modulators, which are agents that either increase HSC numbers or decrease HSC numbers as desired by a particular indication. For example, HSC modulators found to increase HSC numbers include prostaglandin E2 (PGE2) and agents that stimulate the PGE2 pathway. Conversely, HSC modulators that prevent PGE2 synthesis decrease HSC numbers. HCS modulators may be used in vitro, in vivo, or ex vivo.



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No. of Pages: 70 No. of Claims: 39

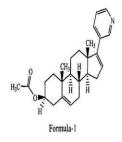
(22) Date of filing of Application :26/04/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF (3B)-17-(3-PYRIDINY1) ANDROSTA -5,16-DIEN-3-YL ACETATE AND POLYMORPH THEREOF

·C07I41/00	(71)Name of Applicant:
	1)MSN LABORATORIES PRIVATE LIMITED
	Address of Applicant :FACTORY: SY.NO.317 & 323,
	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
	502 329 Andhra Pradesh India
	(72)Name of Inventor:
	1)SRINIVASAN THIRUMALAI RAJAN
	2)MUPPA KISHORE KUMAR
	3)NIMMALA SRINIVAS RAO
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

## (57) Abstract:

The present invention relates to an improved process for the preparation of  $(3\beta)$ -17-(3-pyridinyl)androsta-5,16-dien-3-yl acetate compound of formula-1 and its polymorphs. Formula-1



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

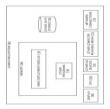
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEPLOYMENT OF VIRTUAL MACHINE DISKS FROM A SHARED NETWORK FILE SYSTEM

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VMWARE, INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto, CA
(33) Name of priority country	:NA	94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JINTO ANTONY
(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:

Techniques for deployment of virtual machine disks (VMDKs) in a virtualized computing environment are disclosed. In one embodiment, a request to deploy a VMDK to a virtual machine (VM) is received. The VMDK includes a master virtual disk file and at least one data virtual disk file. Further, the master virtual disk file is copied from a shared network file system to a storage device associated with a host computing system. Furthermore, a redo virtual disk file is created in the storage device upon copying the master virtual disk file. Also, changes made to content associated with the VMDK are stored in the redo virtual disk file until the at least one data virtual disk file is copied to the storage device. [FIG. 7]



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

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR ADAPTIVE OFFLOADING OF MASS STORAGE DATA MOVEMENT

(51) Y	COCI	
(51) International classification	:G06K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VMWARE, INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto,
(33) Name of priority country	:NA	California - 94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUNIL SATNUR
(87) International Publication No	: NA	2)PRASANNA AITHAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for adaptive offloading of data movement from a computer system includes identifying performance results from a plurality of SCSI extended copy (XCOPY) operations associated with a storage unit, each XCOPY operation of the plurality of XCOPY operations including one or more parameters. The method also includes selecting, based on the identified performance results, one or more XCOPY parameters for the storage unit from the plurality of XCOPY operations. The method further includes forming an XCOPY operation associated with the storage unit, the XCOPY operation including the one or more selected XCOPY parameters. The method also includes transmitting the XCOPY operation to the storage unit. [Fig. 5]



No. of Pages: 38 No. of Claims: 10

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MEASURING THE LOGGING QUALITY OF A COMPUTER PROGRAM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:g01f, G01V :NA :NA :NA (71)Name of Applicant : 1)VMWARE, INC. :NA :NA Address of Applicant :3401 Hillview Avenue, Palo Alto, California - 94304, United States of America U.S.A.
(33) Name of priority country	:NA (72)Name of Inventor :
(86) International Application No Filing Date	:NA   1)VIPIN BALACHANDRAN :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date (62) Divisional to Application Number	:NA :NA
Filing Date	:NA

### (57) Abstract:

Techniques are described for measuring or quantifying the logging behavior in the source code of a computer program. In particular, the techniques select a method identified as exhibiting the ideal logging behavior in a computer program and then compute the overall logging quality score for the entire computer program based on the deviation in logging behaviors between the selected method and all other methods in the source code of the project. This overall logging quality score can be compared to various benchmarks of existing projects with high logging quality. If the software logging quality is found to be low, various steps can be taken by the developers to improve the logging before the software release. [FIG. 5]

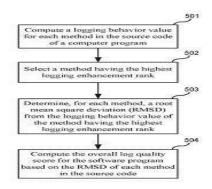


FIG. 5

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

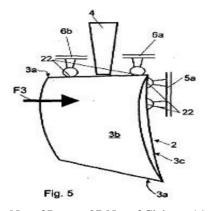
(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DEVICE FOR RECONTOURING A GAS TURBINE BLADE

(51) International classification :B23P6/00,B23Q9/00,B24B19/14 (71)Name of Applicant: (31) Priority Document No :10 2011 089 699.6 1)LUFTHANSA TECHNIK AG (32) Priority Date :22/12/2011 Address of Applicant: Weg beim Jäger 193 22335 Hamburg (33) Name of priority country :Germany Germany (86) International Application (72) Name of Inventor: :PCT/EP2012/005195 No 1)CZERNER Stefan :17/12/2012 Filing Date (87) International Publication :WO 2013/091811 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention relates to a device (1) for recontouring a gas turbine blade (2) comprising at least one support (6a 6b) that is arranged to rest on an edge (3a) of the gas turbine blade (2) during the recontouring at least one lateral bearing (5a 5b) that is arranged to bear on the intake and/or pressure side (3b 3c) of the gas turbine blade (2) in a lateral direction (7) during the recontouring and a machining unit (4) by means of which the machining of the gas turbine blade (2) takes place wherein the machining unit (4) is designed to melt at least a portion of the edge (3a) by means of an energy beam in a targeted manner in such a way that the material solidifies to a new contour (18) substantially without the addition of further material.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3079/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ROLLOVER VALVE WITH SLIDER MECHANISM

(51) International classification :B60	K (71)Name of Applicant :
(31) Priority Document No :NA	1)PRICOL LIMITED
(32) Priority Date :NA	Address of Applicant :CPM Towers, 109, Race Course,
(33) Name of priority country :NA	Coimbatore. Tamil Nadu India
(86) International Application No :NA	(72)Name of Inventor:
Filing Date :NA	1)E. Anand Vijai
(87) International Publication No : NA	2)T.P. Ragesh
(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 rollover valve with a slider mechanism to cut off the fuel supply to a canister and thereby preventing it from flooding, when the vehicle gets tilted to pre-defined angle, said roll over valve comprising a housing-bottom; a slider; a cup; and a housing-top. The slider and the cup are positioned one over the other and retained in position within the housing-bottom and housing-top. When the vehicle fitted with the rollover valve gets tilted beyond pre-defined angle with reference to datum plane, the slider falls on the cup and pushes the cup towards the housing-top, there by the fuel supply to canister is cut off. [Figure 1]

No. of Pages: 18 No. of Claims: 9

(22) Date of filing of Application :28/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SENSOR BUS INTERFACE FOR ELECTRONIC DEVICES

(51) International classification	·G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Intel Corporation
(32) Priority Date	:NA	Address of Applicant :2200 Mission College Blvd. Santa
(33) Name of priority country	:NA	Clara, CA 95054 United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUNDAR IYER
(87) International Publication No	: NA	2)RAJASEKARAN ANDIAPPAN
(61) Patent of Addition to Application Number	:NA	3)AJAYA V. DURG
Filing Date	:NA	4)KENNETH P. FOUST
(62) Divisional to Application Number	:NA	5)BRUCE L. FLEMMING
Filing Date	:NA	

### (57) Abstract:

[0086] In one example a sensor module comprises at least one sensor and a controller communicatively coupled to the at least one sensor by a communication bus, the controller comprising logic, at least partially including hardware logic, configured to generate a signal to configure the at least one sensor in a notify power state mode and place the signal on a communication bus coupled to the at least one sensor. Other examples may be described.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :28/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A METHOD OF DESIGNING A HOLLOW ROTARY MACHINE BLADE

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CYIENT LIMITED
(32) Priority Date	:NA	Address of Applicant :Plot No. 11, Software Units Layout,
(33) Name of priority country	:NA	Infocity, Madhapur, Hyderabad (A.P.) India PIN: 500 081 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Kotur Srinivasan Raghavan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method of designing a rotary machine blade. The method includes providing an aerodynamically approved blade design, defining a design space region inside the blade for a Hollow To Full ratio, making a Finite Element model of the blade, dividing the design space region into a number of parts, removing a first part and performing a Finite Element analysis of the model, checking if the model passes a failure criterion, storing the blade design which pass the failure check into a first set of blade designs, removing a next part adjacent to the first part, repeating above steps for a new Hollow To Full ratio, performing a modal analysis for each of the blade design from the first set, storing the blade designs which pass the modal analysis into a second set and selecting the blade design which is lightest in the second set.

No. of Pages: 37 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4816/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS FOR DIAGNOSING ALZHEIMER S DISEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:19/12/2012 :WO 2013/096451 :NA :NA :NA	(71)Name of Applicant:  1)THE WASHINGTON UNIVERSITY Address of Applicant: One Brookings Drive St. Louis Missouri 63130 U.S.A. (72)Name of Inventor: 1)HOLTZMAN David 2)BATEMAN Randall
Filing Date	:NA	

### (57) Abstract:

in vivoThe present invention relates to methods of diagnosing monitoring and assessing treatment effects for  $A\tilde{A}\ddot{Y}$  amyloidosis early in the course of clinical disease or prior to the onset of brain damage and clinical symptoms. Methods of measuring the metabolism of biomolecules produced in the CNS in a subject are provided.

No. of Pages: 64 No. of Claims: 21

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: GANGWAY DOOR SUPPORT STRUCTURE OF RAILROAD VEHICLE AND RAILROAD VEHICLE COMPRISING SAME

(51) International :B61D19/00,B61D17/06,E05D15/28 classification

(31) Priority Document No

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

(86) International Application: PCT/JP2011/007298

No :27/12/2011 Filing Date

(87) International Publication :WO 2013/098880

(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)KAWASAKI JUKOGYO KABUSHIKI KAISHA

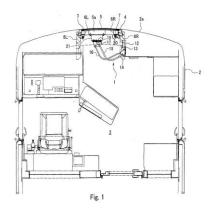
Address of Applicant: 1 1 Higashikawasaki cho 3 chome Chuo

ku Kobe shi Hyogo 6508670 Japan

(72) Name of Inventor: 1)YAMASHITA Hiroshi

# (57) Abstract:

A gangway door support structure (1) supports a gangway door (5) for openably closing a gangway opening (4) formed in a front surface (2a) of a vehicle (2). The gangway door support structure (1) comprises a first opening/closing link (15) and a second opening/closing link (16). The first opening/closing link (15) and the second opening/closing link (16) are rotatably provided to the gangway door (5) and a gangway column (8R) constituting a parallel link mechanism and are designed so as to move the gangway door (5) between an open position and a closed position. The two opening/closing links (15 16) are provided lower than a window (5b) of the gangway door (5).



No. of Pages: 37 No. of Claims: 8

(21) Application No.1895/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF ANGIOTENSIN - II RECEPTOR ANTAGONIST

<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>	:A61K47/30, A61P9/10 :NA :NA :NA	(71)Name of Applicant:  1)MSN LABORATORIES PRIVATE LIMITED  Address of Applicant:FACTORY: SY.NO.317 & 323, RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) - 502 329 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRINIVASAN THIRUMALAI RAJAN
(87) International Publication No	: NA	2)KARAMALA RAMA SUBBA REDDY
(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 process for the preparation of (5-methyl-2-oxo-l,3- dioxol-4-yl)methyl 2-ethoxy-1 - {[2"-(5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)biphenyl-4-yl] methyl} -lH-benzimidazole-7-carboxylate compound of formula-1 and its pharmaceutically acceptable salts.

No. of Pages: 29 No. of Claims: 8

(21) Application No.3048/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OUTDOOR MACHINE OF AIR CONDITIONER

(51) International classification	:F28D	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)MITSUBISHI ELECTRIC CORPORATION
(31) Thority Document No	153196	Address of Applicant :of 7-3, Marunouchi 2-chome, Chiyoda-
(32) Priority Date	:24/07/2013	ku, Tokyo 100-8310, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)JINNAI, Hiroyuki
Filing Date	:NA	2)KUBONO, Toshiyuki
(87) International Publication No	: NA	3)OOISHI, Kazuhiro
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An outdoor machine of an air conditioner includes a fan motor mount including a fan motor support plate, and a top plate. The fan motor support plate is formed with: a plurality of props; a prop horizontal plane; a prop front plane; a fitting portion, which is provided on the prop horizontal plane and fitted to a rear end of the top plate; and a first screw hole, which is provided on the prop front plane to fix the top plate. The top plate is formed with: a screw fixing piece, which has a shape parallel to the prop front plane and is provided with a second screw hole corresponding the first screw hole. The fitting portion is fitted to the rear end of the top plate, and the screw fixing piece is located on the front side of the prop front plane.

No. of Pages: 49 No. of Claims: 8

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: VIBRATION ABSORBING DAMPER FOR A WASHING MACHINE

(51) International classification	:B60N	(71)Name of Applicant:
(31) Priority Document No	:10-2014- 0046452	1)SAMCO CO., LTD. Address of Applicant :of 704-9, Hosan-dong, Dalseo-gu,
(32) Priority Date	:18/04/2014	Daegu 704-948, Korea Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor: 1)CHOI, Young Cheol
(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:

Disclosed is a vibration absorbing damper for a washing machine, which includes a bar-shaped support rod 1 installed between a housing and water tank, a bracket 2 fixed to an upper plate of the housing, a slider 3 mounted on the support rod 1 below the bracket 2, a cover cap 4 in which the slider 3 is inserted, and a spring 6 elastically installed between an upper spring seat 4a and a lower spring seat 5. The slider 3 has radial split pieces 3a dividedly formed on a lower end portion thereof, and the radial split pieces 3a of the slider 3 are inserted and mounted in the cover cap 4. A donut-shaped packing 8 is mounted on an outer periphery of the slider 3, and a lubricant retaining groove 9 is formed on an inner surface of the radial split pieces 3a of the slider 3.

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

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : REAL TIME REMOTE FACE DETECTION SYSTEM WITH HAAR CLASSIFIER ON RASPBERRY PI

(51) International classification	.C06E	(71) Name of Applicant
		(71)Name of Applicant:
(31) Priority Document No	:NA	1)VELTECH MULTI TECH DR. RANGARAJAN DR.
(32) Priority Date	:NA	SAKUNTHALA ENGINEERING COLLEGE
(33) Name of priority country	:NA	Address of Applicant :#60, AVADI-ALAMATHI ROAD,
(86) International Application No	:NA	AVADI, CHENNAI - 62 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KARTHICK A V
(61) Patent of Addition to Application Number	:NA	2)DHINESH KUMAR
Filing Date	:NA	3)N PRADEEP
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In this invention we intend to build Face detection system on SoC Architecture Raspberry Pi. This face detection framework that is capable of processing image or video fast while achieving high detection rate using Haar Classifier. Because face is a part of human body, a face-like image which does not belong to a human body can be detected using our technique. Experiment results show that our method has a low false detection rate. This algorithm is an extension of an algorithm from Open CV library. Access the face detection from remote network. Algorithm coding is written in Python-Open CV language since Raspberry Pi supports Linux and Python language very efficient at high speed for Image Processing applications the entire porting is done on Raspberry Pi-ARMI 1 Processor.

No. of Pages: 6 No. of Claims: 5

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

# (54) Title of the invention: SYSTEMS AND APPARATUS FOR FACILITATING INTRANASAL TREATMENT OF A PATIENT

(51) International :A61B17/24,A61B17/34,A61M25/01 classification (31) Priority Document No :13/371288 (32) Priority Date :10/02/2012

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

(86) International :PCT/US2012/027138 Application No

:29/02/2012 Filing Date

(87) International :WO 2013/119258

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

Publication No

:NA

(71)Name of Applicant:

1)DOLOR TECHNOLOGIES L.L.C.

Address of Applicant :123 W. Nye Lane Suite 129 Carson

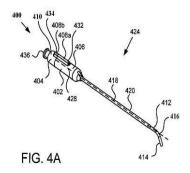
City Nevada 89706 U.S.A. (72) Name of Inventor: 1)ELDREDGE Stephen 2)ERICKSEN Corey 3)ODRISCOLL Jeffrey

4)PIPKIN William

## (57) Abstract:

Filing Date

Systems are disclosed for facilitating intranasal treatment of a patient s sphenopalatine/pterygopalatine recess. Likewise the instant system is effective for addressing acute pain conditions and is refined enough to be performed by physician s assistants nurses and other well trained practitioners. Apparatus involved includes a sheath hub a catheter hub an arresting element and an engagement element in embodiments. Engagement between the arresting element and the engagement element prevents rotation of the sheath hub with respect to the catheter hub.



No. of Pages: 61 No. of Claims: 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3059/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention: CASE HARDENING STEEL

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2013- 134263	1)DAIDO STEEL CO., LTD. Address of Applicant :1-10, Higashisakura 1-chome, Higashi-
(32) Priority Date	:26/06/2013	ku, Nagoya, Aichi, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Kyohei NAKAYAMA
Filing Date	:NA	2)Yasuaki SAKAI
(87) International Publication No	: NA	3)Toshiyuki MORITA
(61) Patent of Addition to Application Number	:NA	4)Keisuke INOUE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

As Attached

No. of Pages: 39 No. of Claims: 5

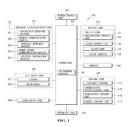
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MOBILE TERMINAL AND CONTROL METHOD THEREOF

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:10-2013-	1)LG ELECTRONICS INC.
(32) Priority Date	0109304	Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea Republic of Korea
•	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)GANESH RAJAGOPALAN
(86) International Application No	:NA	2)VERCHASWA SHARMA
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 mobile terminal capable of processing video and a partial image/video of the video being captured by a camera discriminately in isolation from each other, and a control method thereof are provided. The mobile terminal includes: a camera configured to capture an image; and a controller configured to control the camera to perform a video capture function, wherein in response to a partial image/video generation event sensed while the video capture function is being performed, the controller processes at least a portion of an image captured by the camera after the sensing of the partial image/video generation event, as a partial image/video discriminated from video being continuously captured according to the video capture function. FIG.1



No. of Pages: 71 No. of Claims: 22

(21) Application No.3139/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ENHANCEMENTS TO LOGGING OF A COMPUTER PROGRAM

(51) International classification	·G06E	(71)Name of Applicant:
		1 ' '
(31) Priority Document No	:NA	1)VMWARE, INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto,
(33) Name of priority country	:NA	California - 94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIPIN BALACHANDRAN
(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:

Techniques are described for providing recommendations to enhance the logging code in a computer program. In particular, the methods described herein can identify source code locations which lack log printing statements or contain noisy log printing statements. The methods analyze static call graph of the source code, the corresponding commit and bug history, and propose recommendations to enhance logging. The logging behavior in methods whose log printing statements have been significantly modified can be considered to be ideal. The analysis discovers such methods and quantifies their logging behavior. It then compares this logging behavior with the logging behavior of highly critical and/or less critical methods to generate logging enhancement recommendations. [FIG. 7]



No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR RECOVERY OF HYDROCARBON FLUID

(51) International classification :E21B28/00,E21B43/00,E21B43/16

:NA

(31) Priority Document No :PA 2011 70725 (32) Priority Date :19/12/2011 (33) Name of priority country :Denmark

(86) International Application :PCT/EP2012/076148

No :19/12/2012

Filing Date

(87) International Publication :WO 2013/092712

(61) Patent of Addition to Application Number :NA

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date

(57) Abstract:

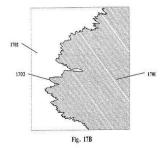
(71)Name of Applicant:

1)IMPACT TECHNOLOGY SYSTEMS AS

Address of Applicant :Strandveien 35 N 1366 Lysaker Norway

(72)Name of Inventor:
1)PAULSEN Jim Viktor

I tt2A method is described for recovery of a hydrocarbon fluid from a porous medium by injection of a fluid into the porous medium. The method comprises determining a Rayleigh time on the basis of the density of the fluid and the hydrocarbon fluid the median pore diameter of the porous medium and surface tension between the fluid and the hydrocarbon fluid. Further pressure stimulation is provided in the fluid and generated by a collision process with a collision contact rise time which is of the range of 1 100 times the Rayleigh time. Alternatively or additionally the providing a pressure stimulation in the fluid include generating an impact pressure with a pressure amplitudeand a pressure rise time? where the pressure amplitude is larger than the relation ?c?/a where? is the surface tension between the fluid and the hydrocarbon fluid and c is the speed of sound in the porous media. In aspects of the invention the method comprises arranging a chamber in fluid communication with the porous medium via at least one conduit and having the chamber comprising first and second wall parts movable relative to each other. The pressure stimulation comprises providing an impact pressure in the fluid to propagate to the porous medium via the conduit and where the impact pressure is generated by the collision process between an object arranged outside of the fluid and the first wall parts for the first wall part to impact on the fluid in the chamber.



No. of Pages: 62 No. of Claims: 17

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A SYSTEM AND METHOD FOR AUTOMATED PROCESSING OF ELECTRONIC DOCUMENTS

(51) International classification	:G06K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Cognizant Technology Solutions India Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :Techno Complex No. 5/535, Old
(33) Name of priority country	:NA	Mahabalipuram Road Okkiyam Thoraipakkam Chennai 600 097,
(86) International Application No	:NA	Tamil Nadu India Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Peeta Basa Pati
(61) Patent of Addition to Application Number	:NA	2)Srinivas Nagamalla
Filing Date	:NA	3)Harish Kongara
(62) Divisional to Application Number	:NA	4)E Rajeshekhar Rao
Filing Date	:NA	5)Ravi Veera

#### (57) Abstract:

In accordance with an aspect of the present invention, a system and method for automated processing of electronic documents is provided. The said system comprising a precursor module configured to receive an electronic document and convert into a textual equivalent; a data ascertainment module configured to identify the textual snippets, more particularly, the demarcated sections, corresponding to the at least one structured section and logically separate the demarcated sections the remaining textual equivalent; and, a pass-receiving module configured to receive said logically separated demarcated sections and the remaining textual equivalent and capture business relevant data committed therein, wherein said pass - receiving module captures the business relevant data from the demarcated sections by locating at least one master trigger and at least one proximate co-trigger in the demarcated sections and geometrically coupling said located triggers and co-triggers into at least one potential zone and extracting the business relevant data committed within these potential zones.

No. of Pages: 52 No. of Claims: 18

(22) Date of filing of Application :25/06/2014

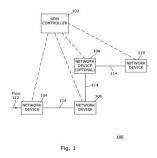
(43) Publication Date: 05/02/2016

# (54) Title of the invention : SELECTING AN OPTIMAL NETWORK DEVICE FOR REPORTING FLOW TABLE MISSES UPON EXPIRY OF A FLOW IN A SOFTWARE DEFINED NETWORK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA	(71)Name of Applicant: 1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
(33) Name of priority country	:NA	Address of Applicant :11445 Compaq Center Drive West,
(86) International Application No	:NA	Houston, Texas 77070, United States of America U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUBIN CYRIAC MATHEW
(61) Patent of Addition to Application Number	:NA	2)SUGESH CHANDRAN
Filing Date	:NA	3)CELESTIAN KANIAMPADY SEBASTIAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Examples disclosed herein relate to selecting an optimal network device for reporting flow table misses upon expiry of a flow in a software defined network, comprising. An SDN enabled device is selected, from a plurality of software defined network (SDN) enabled devices, for reporting a flow table miss upon expiry of a flow to an SDN controller, based on a pre-defined factor.



No. of Pages: 24 No. of Claims: 15

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A NOVEL MINI ORAL HYGIENE MONITORING DEVICE FOR DETECTING EARLY CARIES IN TOOTH AND GUM DIESEASE

(51) International classification	:A61C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TAGORE DENTAL COLLEGE AND HOSPITAL
(32) Priority Date	:NA	Address of Applicant :RATHINAMANGALAM, CHENNAI -
(33) Name of priority country	:NA	600 127 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PROF. M. MALA
(87) International Publication No	: NA	2)DR. CHITRA
(61) Patent of Addition to Application Number	:NA	3)R. CHANDRAN
Filing Date	:NA	4)F. MICHAEL BERNAD PRASHANTH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

This is a handheld device which is presumed to detect changes in the oral cavity. The aimed changes to be detected are the initial stages of dental caries and gingival (gums) changes. People refer the doctor only when there is pain or sensitivity or a certain amount of decay is present in the tooth, which is not the initial stage unfortunately. The initial stage is only a slight demineralization on the surface of the tooth which does not produce any symptom but can be immediately rematerialized under professional guidance. This device could check and detect the initial stage of dental caries using an optical caries detection method. Likewise, certain changes in gingival (gums) can also be detected using certain changes in their molecular structure so that the oral hygiene can be maintained.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :26/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR IMPROVING THE IDENTIFICATION OF MULTIPLE NFC A DEVICES

<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>	:61/594270 :02/02/2012 :U.S.A.	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International Ip Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)HILLAN John  2)CHINGALANDE Dubai  3)ODONOGHUE Jeremy R.
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#### (57) Abstract:

Aspects disclosed herein relate to improving technology detection and collision resolution among multiple NFC devices using a NFC type A RF technology. In one example a communications device is equipped to determine that a first device sensing response message includes one or more collisions identify a first remote NFC device of the plurality of remote NFC devices by performing collision resolution on the first device sensing response message transmit a sleep request message to the first remote NFC device that prohibits the first remote NFC device from responding to a first device sensing request message and the first device sensing request message receive a second device sensing response message that includes collisions among the plurality of remote NFC devices and identify a second remote NFC device of the plurality of remote NFC devices by performing collision resolution on the second device sensing response message.



No. of Pages: 39 No. of Claims: 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3184/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# $(54) \ Title \ of the \ invention: PROCESS \ OF \ MANUFACTURING \ HIGH \ QUALITY \ COMPOSITE \ MATERIALS \ USING \ AN \ ISOSTATIC \ HIGH \ PRESSURE \ REACTOR$

(51) International classification	:C23C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MAHAVADI MANAGEMENT AND TECHNOLOGY
(32) Priority Date	:NA	SERVICES
(33) Name of priority country	:NA	Address of Applicant :SCHLESISCHE STRASSE 8G, 23617
(86) International Application No	:NA	STOCKELSDORF Germany
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. PURUSHOTHAM MAHAVADI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process of bonding different constituent materials of different tensile strengths in a single step in an isostatic high pressure reactor in order to produce a composite material.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SEMI AUTOMATIC 4-WHEEL NUT REMOVER & TIGTHNER

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number	B25B NA NA NA NA NA NA NA NA NA	(71)Name of Applicant:  1)M.S. BALA SANTHOSH Address of Applicant: DEPARTMENT OF MECHANICAL ENGINEERING, SRI RAMAKRISHNA ENGINEERING COLLEGE, NGGO COLONY (POST), COIMBATORE Tamil Nadu India  2)N. MOKNAPRAVIN 3)E. SARAVANAN 4)B. VENKATRAMANA (72)Name of Inventor: 1)M.S. BALA SANTHOSH 2)N. MOKNAPRAVIN 3)E. SARAVANAN 4)B. VENKATRAMANA
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## (57) Abstract:

Vehicle is an important machine in human daily life. Nowadays, each family has at least one car to make the transportation easy and faster. For a car, the tool set-up for each vehicle is a T-nut wrench and car jacker which is hard to use for a women or teen to open their car"s nut. In our project, a tire nut remover and tighter has been developed to replace T-nut wrench that can reduce the force and torque needed to open the nuts and open all four nuts simultaneously. This tool used mild steel as the main material to fabricate a gearing system. The total weight of the product was 5.5 kg. For this project, this tire nut removal has been improved about the weight, cost of production and the gear ratio. The main material to fabricate the spur gear has been changed to mild steel with lighter weight and cheaper compared to the cast iron material. The new gear ratio has convert the torque to 5.72 Nm that can be supported by power window motor that will be used to help the car user. The design of this product is demanded to be smaller and compact to make it easy and comfortable for the user. A new tire nut removal has been designed to make the tire nut removal smaller, lighter and efficient.

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

(21) Application No.3186/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SEMIAUTOMATIC SIDE STAND LIFTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B62H :NA :NA	(71)Name of Applicant:  1)RAVI. S  Address of Applicant: SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, NGGO COLONY POST, COIMBATORE - 641 022 Tamil Nadu India  2)RAHEEM. S  3)RAJESH. S  4)VIGNESH. M (72)Name of Inventor:  1)RAVI. S  2)RAHEEM. S  3)RAJESH. S  4)VIGNESH. M
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### (57) Abstract:

Today, Motor cycles are used everywhere in all over the world. Designer should design each and every component in the two wheelers with very at most safe and the product should be economical. In motor cycles, the side stand plays major roll while the vehicle is in rest condition. While the driver starting the motor cycle, there may be a possibility of forget to. release the side stand. This will tend to unwanted troubles. To avoid this he driver has to ensure that the side stand is released. This problem may be rectify by releasng the side stand when the gear shifting. Because while gear shifting time, the leg is in safe and comfortable place. This can be achieved using the spring force. Using ratchet and pawl mechanism side stand is going to be lifted. This whole setup can be implemented in both front and back gear bikes. Initially ratchet wheel is welded with the stand and a spring is kept at a necessary tension so that it can be retrieved. Pawl is always engaged with the ratchet wheel by using damping spring at a certain tension. Pawl is mounted in-between the side stand and the gear lever. When the gear is shifted the oscillatory motion of lever is converted into rotary motion of the side stand so that the stand is lifted.

No. of Pages: 15 No. of Claims: 2

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 05/02/2016

# (54) Title of the invention : NOVEL POLYMORPHS OF 5-[4-[4-(5-CYANO-1H-INDOL-3-YL]-1-PIPERAZINYL]-2-BENZOFURAN CARBOXAMIDE AND ITS SALTS

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY. NO: 317 & 323,
(33) Name of priority country	:NA	FUDRARAM (VIL), PATANCHERU (MFL), MEDAK (DIST),
(86) International Application No	:NA	INDIA- 502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)SUNKARA VISHNUVARDHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to novel crystalline forms of antidepressant drug i.e., 5-[4-[4-(5-cyano- lH-indol-3-yl) butyl]-1-piperazinyl]-2-benzofuran carboxamide compound of formula-1 represented by the following structural formula-1.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4858/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PRODUCTION OF RECOMBINANT PROTEINS WITH SIMPLE GLYCOFORMS

(51) International

:C12N15/00,C12P21/00,C12N15/87

classification

(31) Priority Document No :61/585508 :11/01/2012

(32) Priority Date

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

(86) International Application :PCT/US2013/020947 :10/01/2013

Filing Date

(87) International Publication :WO 2013/106515

(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)SIGMA ALDRICH CO. LLC

Address of Applicant: 3050 Spruce Street St. Louis Missouri

63103 U.S.A.

(72)Name of Inventor:

1)LIN Nan

2)SEALOVER Natalie 3)GEORGE Henry 4)KAYSER Kevin

(57) Abstract:

The present invention provides cell lines deficient in mannosyl (alpha 1 3 ) glycoprotein beta 1 2 N acetylglucosaminyltransferase I (Mgat1). Also provided are methods for producing the Mga1 deficient cell lines and methods for using the Mgat1 deficient cell lines for the production of recombinant proteins having simple glycoforms.

No. of Pages: 55 No. of Claims: 17

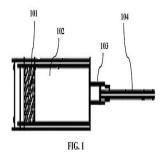
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A SYSTEM AND METHOD FOR GENERATING SHOCKWAVES USING A PISTON DRIVEN SHOCKWAVE 15 TUBE

(51) International classification	5/00	(71)Name of Applicant: 1)SUPER-WAVE TECHNOLOGY PVT LTD
(31) Priority Document No	:NA	Address of Applicant :8 (OLD 32), II CROSS, HMT
(32) Priority Date	:NA	LAYOUT, MATHIKERE, BANGALORE - 560 054 Karnataka
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PROF. K.P.J. REDDY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a system and method for generating shock waves from a piston driven shockwave tube. The method comprises withdrawing a plunger to the extreme end of a compression tube, attaching a hypodermic needle with a separating diaphragm, pressing the plunger forward manually, rupturing of the diaphragm when the pressure between the piston and the diaphragm rises to a rupture pressure, releasing a high-pressure gas into the shock tube at supersonic speeds and generating shock waves that travel into the shock tube.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4788/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: LAMINATE STRUCTURE

(51) International classification :B32B7/06,B32B3/30,G02B1/11 (71)Name of Applicant :

(31) Priority Document No :2011284679 (32) Priority Date :27/12/2011

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2012/083247

Filing Date :21/12/2012 (87) International Publication No: WO 2013/099798

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)MITSUBISHI RAYON CO. LTD.

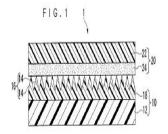
Address of Applicant: 1 1 Marunouchi 1 chome Chiyoda ku

Tokyo 1008253 Japan (72)Name of Inventor: 1)NAKAI Yusuke

2)MAKINO Shinji

#### (57) Abstract:

A laminate structure (1) comprises: an article (10) that has a microrelief structure (16) on a surface; and an adhesive film (20) that is in contact with the microrelief structure (16) side surface of the article (10). The average interval between projections (14) in the microrelief structure (16) is 400 nm or less. The low speed peel strength of the adhesive film (20) with respect to an acrylic resin plate as determined by a specific method in accordance with JIS Z0237 (2009) is 0.01 N/25 mm or more but less than 2.5 N/25 mm and the ratio of the high speed peel strength to the low speed peel strength of the adhesive film (20) with respect to an acrylic resin plate namely high speed peel strength/low speed peel strength is less than 2.



No. of Pages: 59 No. of Claims: 4

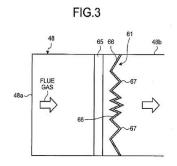
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EXHAUST GAS TREATMENT DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:2012017332 :30/01/2012 :Japan :PCT/JP2012/081343 :04/12/2012 :WO 2013/114721 :NA	(71)Name of Applicant:  1)MITSUBISHI HITACHI POWER SYSTEMS LTD. Address of Applicant: 3 1 Minatomirai 3 chome Nishi ku Yokohama shi Kanagawa 2208401 Japan (72)Name of Inventor: 1)OKAMOTO Akiyasu 2)TODAKA Shimpei 3)ODA Manabu 4)SAKATA Nobuyasu
(61) Patent of Addition to Application		3)ODA Manabu

### (57) Abstract:

The exhaust gas treatment device is provided with: an exhaust gas pipe (48) through which it is possible for combustion gases to flow; a heat recovery part furnished to the exhaust gas pipe (48) and capable of recovering heat from the exhaust gases; a harmful substance removal part furnished to the downstream side in the direction of exhaust gas flow from the heat recovery part in the exhaust gas pipe (48) and capable of removing harmful substances in the exhaust gases; and a popcorn ash trapping part (61) furnished between the heat recovery part and the harmful substance removal part in the exhaust gas pipe (48) and capable of trapping popcorn ash in the exhaust gases. The popcorn ash trapping part (61) is provided with a plurality of inclined trapping surfaces (66a 66g 66c 66d 66e 66f) inclined at predetermined angles with respect to the direction of exhaust gas flow the incline angle (?1) of the inclined trapping surface (66a) disposed towards the center in the width direction of the exhaust gas pipe (48) being smaller than the incline angle (?6) of the inclined trapping surface (66f) disposed towards the end.



No. of Pages: 49 No. of Claims: 7

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : PRODUCTION METHOD FOR CONDUCTIVE RESIN COMPOSITION AND CONDUCTIVE RESIN COMPOSITION

(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	:C08J3/20,C08K3/04,C08L101/00 :2012035542 :21/02/2012 :Japan :PCT/JP2013/051211 :22/01/2013 :WO 2013/125280 :NA :NA	(71)Name of Applicant:  1)DAINICHISEIKA COLOR & CHEMICALS MFG. CO. LTD.  Address of Applicant: 7 6 Nihonbashi Bakuro cho 1 chome Chuo ku Tokyo 1038383 Japan (72)Name of Inventor:  1)ASAKAWA Hisaki 2)SHIBATA Masayuki 3)SAKUTA Noritaka 4)ITOH Takuma
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides a conductive resin composition which has a high conductivity as a result of adding a small amount of carbon nanotubes which maintains the physical properties inherent to thermoplastic resin and which exhibits excellent workability such as moldability. Provided is a production method for a conductive resin composition including carbon nanotubes and a thermoplastic resin said production method being characterized by including: (A) a step in which the carbon nanotubes a solvent and the thermoplastic resin are mixed and dispersed to obtain a carbon nanotube/resin mixture; and (B) a step in which the solvent is removed while kneading the carbon nanotube/resin mixture. Also provided is the conductive resin composition obtained using the production method.

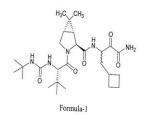
No. of Pages: 22 No. of Claims: 7

(22) Date of filing of Application :18/10/2012 (43) Publication Date : 05/02/2016

(54) Title of the invention: PROCESS FOR THE PREPARATION OF (1R,5S)-N-[3-AMINO-1-(CYCLOBUTYLMETHYL)-2, 3-DIOXOPROPYL]-3-[2(S)-[[[(1,1-DIMETHYLETHYL)AMINO]CARBONYL]AMINO]-3,3-DIMETHYL-1-OXOBUTYL]-6,6-DIMETHYL-3-AZABICYCLO[3.1.0]HEXAN-2(S)-CARBOXAMIDE

#### (57) Abstract:

The present invention relates to an improved process for the preparation of (lR,5S)-N-[3-amino-l-(cyclobutylmethyl)-2,3-dioxopropyl]-3-[2(S)-[[[(l,1-dimethyl ethyl)amino]carbonyl]amino]-3,3-dimethyl-l-oxobutyl]-6,6-dimethyl-3-azabicyclo[3.1.0] hexan-2(S)-carboxamide compound represented by the following structural formula-1.



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

(22) Date of filing of Application :27/06/2014

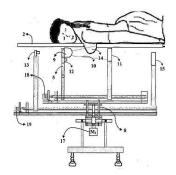
(43) Publication Date: 05/02/2016

# (54) Title of the invention : DEVICE WITH SIMULTANEOUS X RAY AND INFRARED IMAGE ACQUISITION AND PROCESSING SYSTEM FOR ENHANCED BREAST IMAGING

(51) International classification	:A61B6/00,A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:4165/CHE/2011	1)TUSCANO EQUIPMENTS PRIVATE LIMITED
(32) Priority Date	:01/12/2011	Address of Applicant :C 6 Kottur Villa 5 Lock Street
(33) Name of priority country	:India	Varathapuram Kotturpuram Chennai 600085 Tamil Nadu India
(86) International Application No	:PCT/IN2012/000778	(72)Name of Inventor:
Filing Date	:29/11/2012	1)KANNAN Neelakanta
(87) International Publication No	:WO 2013/080223	2)JAYANTHI Anand
(61) Patent of Addition to Application	:NA	3)SUDHAN Chandrasekaran
Number		4)RAJENDRAN Cherukandath
Filing Date	:NA	5)JAYARAMAN Kiruthi Vasan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a device with a simultaneous X ray and infrared acquisition and processing system for enhanced breast imaging. The device has a positioning assembly (3) housed inside a closed chamber (4) and provided with infrared and X ray imaging systems to simultaneously capture an infrared image and an X ray image of the breast (14) under examination. A patient support table (2) with an opening is provided to enable a patient to lie in a prone position without compressing a breast (14) during imaging. The device is used to correlate anatomical and physiological characteristics and post process analysis of a breast tissue thereby reducing a number of false positive results. Further the device helps in focusing on a suspected area in a follow up procedure and aids post processing treatment like targeted biopsy and targeted radiation.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4892/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014

(43) Publication Date: 05/02/2016

## (54) Title of the invention: WHITENING COSMETIC

(31) Priority Document No :2011262164 (32) Priority Date :30/11/2011

(33) Name of priority country :Japan

(86) International Application PCT/JP2012/081192

Filing Date :30/11/2012

(87) International Publication No:WO 2013/081147

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

Filing Date
(62) Divisional to Application

Number :NA Filing Date :NA

(51) International classification :A61K8/49,A61K8/34,A61K8/36 (71)Name of Applicant :

1)AJINOMOTO CO. INC.

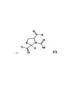
Address of Applicant:15 1 Kyobashi 1 chome Chuo ku Tokyo

1048315 Japan

(72)Name of Inventor:
1)TAKINO Yoshinobu
2)OKURA Fumie
3)KURODA Shinji

### (57) Abstract:

12121 221 221 221 22Provided is a highly safe cosmetic with an excellent whitening effect (which includes prevention and removal of spots). Further provided is a superior melanin production inhibitor. This cosmetic or melanin production inhibitor contains (A) a cysteine derivative represented by general formula (I) or a salt thereof [In the formula X and Y are independently OR or NHR (In these formulae R and R are independently a hydrogen atom or a C alkyl group.); Z represents a hydrogen atom or a C alkyl group; and W represents a C alkyl group a C alkoxy group or a C alkylamino group.] and (B) a whitener.



No. of Pages: 91 No. of Claims: 17

(21) Application No.4893/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR RENEWABLE FUEL

(51) International classification	:C10G69/00	(71)Name of Applicant:
(31) Priority Document No	:61/569712	1)ENSYN RENEWABLES INC.
(32) Priority Date	:12/12/2011	Address of Applicant :Brandywine Plaza West Building 1521
(33) Name of priority country	:U.S.A.	Concord Pike Suite 205A Wilmington DE 19803 3645 U.S.A.
(86) International Application No	:PCT/US2012/068876	(72)Name of Inventor:
Filing Date	:11/12/2012	1)FREEL Barry A.
(87) International Publication No	:WO 2013/090229	2)GRAHAM Robert G.
(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 application generally relates to the introduction of a renewable fuel oil as a feedstock into refinery systems or field upgrading equipment. For example the present application is directed to methods of introducing a liquid thermally produced from biomass into a petroleum conversion unit; for example a refinery fluid catalytic cracker (FCC) a coker a field upgrader system a hydrocracker and/or hydrotreating unit; for co processing with petroleum fractions petroleum fraction reactants and/or petroleum fraction feedstocks and the products e.g. fuels and uses and value of the products resulting therefrom.

No. of Pages: 58 No. of Claims: 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4894/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OUTDOOR UNIT OF AIR CONDITIONER

(51) International classification	:F24F1/56	(71)Name of Applicant:
(31) Priority Document No	:2011274467	1)Mitsubishi Electric Corporation
(32) Priority Date	:15/12/2011	Address of Applicant: 7 3 Marunouchi 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008310 Japan
(86) International Application No	:PCT/JP2012/004269	(72)Name of Inventor:
Filing Date	:02/07/2012	1)JINNAI Hiroyuki
(87) International Publication No	:WO 2013/088593	2)KUBONO Toshiyuki
(61) Patent of Addition to Application	:NA	3)IWAZAKI Hiroshi
Number	:NA	4)YANASE Tomoya
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An outdoor unit (100) of an air conditioner is equipped with handles at an approximately rectangular top panel (25) covering an upper opening of an outdoor unit main body outer case (20) provided with a machine room (9) and a fan room (5) therein and is provided with a long side side handle (30) provided at a long side of the top panel (25) and a short side side handle (34) provided at a short side of the top panel (25) or on a side panel. The long side side handle (30) is provided so as to protrude outward beyond the long side of the top panel (25) but not to protrude outward beyond the leading end positions of feet (21) provided at the bottom surface of the outdoor unit main body outer case (20) when viewed from above.

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

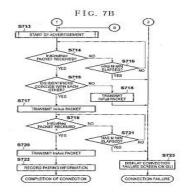
(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMMUNICATION APPARATUS AND METHOD OF CONTROLLING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:H04W8/00,H04N5/225 :2011265312 :02/12/2011 :Japan :PCT/JP2012/081015 :22/11/2012 :WO 2013/081084 :NA :NA	(71)Name of Applicant:  1)CANON KABUSHIKI KAISHA  Address of Applicant: 30 2 Shimomaruko 3 chome Ohta ku Tokyo 1468501 Japan (72)Name of Inventor:  1)TOKUNAGA Koshi
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA	

### (57) Abstract:

This invention relates to a communication apparatus capable of facilitating a connection with a device in a network by using a discovery protocol for discovering a device in a network. After selecting a device based on pieces of device information transmitted from devices in the network in response to a search command to search devices in the network the communication apparatus transmits a notification signal to notify devices in the network of the presence of the communication apparatus. If a connection request received from a device which has received the notification signal is one transmitted from the selected device the communication apparatus transmits a response representing that connection is accepted for the connection request.



No. of Pages: 76 No. of Claims: 13

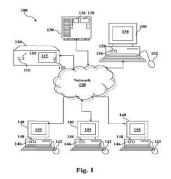
(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR SYNCHRONIZED INTERACTIVE LAYERS FOR MEDIA BROADCAST

<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>	:61/564655 :29/11/2011 :U.S.A.	(71)Name of Applicant:  1)WATCHITOO INC.  Address of Applicant: 24 W. 40th Street 14th Floor New York NY 10018 U.S.A. (72)Name of Inventor:  1)ZAROM Rony
()	:NA :NA	

#### (57) Abstract:

A system and method for broadcasting to a plurality of client side devices over a network such as the Internet using visual layers for assembly in a media broadcast. In response to receiving input for simulating the media broadcast defined by content objects and arrangement of each layer in the simulation transmitting the content objects for each of a plurality of the layers in a different live stream to each of the client side devices and transmitting design parameters defining the arrangement of the layers in the simulation to each of the client side devices. Each of the client side devices may be adapted to assemble the layers of a media broadcast according to the content objects and design parameters of the transmissions so that the content objects and design of the media broadcast assembled at each of the client side devices substantially matches that of the simulated media broadcast.



No. of Pages: 22 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: PROXY BASED PUSH SERVICE

(51) International classification	:H04L29/08	(71)Name of Applicant:
(31) Priority Document No	:13/355441	1)APPLE INC.
(32) Priority Date	:20/01/2012	Address of Applicant :1 Infinite Loop Cupertino CA 95014
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/021598	(72)Name of Inventor:
Filing Date	:15/01/2013	1)LI Li
(87) International Publication No	:WO 2013/109550	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4900/CHENP/2014 A

#### (57) Abstract:

A method and apparatus to proxy notification service connections between a mobile client and a notification server. In one embodiment of the invention a proxy receives a proxy setup request for the notification service from the mobile client. The proxy further establishes a notification connection with the notification server for the mobile client and maintains the notification connection without waking an application processor of the mobile client. The proxy receives a notification from the notification service and forwards the notification to the mobile client.

No. of Pages: 57 No. of Claims: 20

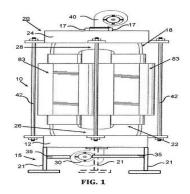
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPARATUS AND METHOD FOR COOLING A TRANSFORMER HAVING A NON LINEAR CORE

:H01F27/08,H01F30/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/577317 1)ABB TECHNOLOGY AG (32) Priority Date Address of Applicant: Affolternstrasse 44 CH 8050 Zurich :19/12/2011 (33) Name of priority country :U.S.A. Switzerland (86) International Application No :PCT/US2012/070227 (72) Name of Inventor: Filing Date :18/12/2012 1)OUTTEN Samuel S. (87) International Publication No :WO 2013/096237 2)HARTMANN Thomas A. (61) Patent of Addition to Application 3)KERN Joel A. :NA 4)TERRELL Jarrett :NA Filing Date 5) NEAL Chester M. (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A three phase non linear transformer is cooled by first (30) and second fans (40). The first fan (30) is attached to the first core clamps (12) of the transformer using a first mounting structure (15). The second fan (40) is attached to the second core clamps (24) of the transformer using a second mounting structure (17). The first fan is positioned so that air is directed toward a central passage of the core. The second fan is positioned so that air is drawn through the central passage of the core. The first fan circulates air through a central passage in the transformer core and channels that exist between adjacent coil assemblies. The second fan draws air through the central passage and channels and further expels the air into the surrounding environment. The first and second fans are controlled by a control panel through which they are run automatically or manually.



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

(21) Application No.3173/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INTELLIGENT CIRCUIT FOR AUTOMATIC CUT-OFF FOR PROTABLE IMMERSION HEATER

		(71)Name of Applicant :
(51) International classification	:H05B	1)HINDUSTAN INSTITUTE OF TECHNOLOGY &
(31) Priority Document No	:NA	SCIENCE
(32) Priority Date	:NA	Address of Applicant :P.O. BOX NO. 1, RAJIV GANDHI
(33) Name of priority country	:NA	SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI
(86) International Application No	:NA	- 603 103 Tamil Nadu India
Filing Date	:NA	2)MR. SAMBATH M
(87) International Publication No	: NA	3)MR. SUDALAI MUTHU T
(61) Patent of Addition to Application Number	:NA	4)MR. THANGAKUMAR J
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)MR. SAMBATH M
Filing Date	:NA	2)MR. SUDALAI MUTHU T
		3)MR. THANGAKUMAR J

# (57) Abstract:

The object of this invention is to develop an intelligence circuit which is an add-on circuit to the conventional portable immersion heater. The intelligence circuit provides the ability to cut-off the electrical power to the immersion heater at the specified threshold temperature of the water. The circuit has three threshold modes as "low, Medium, High and the user can select any one of these three modes based on their purpose

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

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DRIVER ASSISTANCE DEVICE (DAD) FOR ZERO ACCIDENT SAFETY ROADWAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA ·NA	(71)Name of Applicant: 1)HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE Address of Applicant: ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE, P.O. BOX NO. 1, RAJIV GANDHI SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI - 603 103 Tamil Nadu India 2)MR. THANGAKUMAR J 3)DR. RAJESWARI MUKESH (72)Name of Inventor: 1)MR. THANGAKUMAR J 2)DR. RAJESWARI MUKESH
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# (57) Abstract:

The present invention generally relates to Automobile Safety and more particularly to methods and apparatus for implementing a driver assistance device in an automobile to facilitate vehicle-to-vehicle communication as a means to achieving automobile safety. The objective of the invention is to provide advanced vehicles communication that will increase the road safety by reducing the number of accidents as well as reducing the impact in case of non-avoidable accidents. The invention also focuses on implementing a new traffic congestion control resulting in reduced transport time, fuel consumption and thus contributing to improving the environment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4859/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date: 05/02/2016

# (54) Title of the invention: SECURITY FEATURE HAVING SEVERAL COMPONENTS

(51) International classification: C09D5/22,D21H21/48,B41M3/14 (71)Name of Applicant:

:10 2011 122 243.3 (31) Priority Document No

(32) Priority Date :23/12/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/005240 No

:18/12/2012 Filing Date

(87) International Publication :WO 2013/091842

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

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

(57) Abstract:

1) GIESECKE & DEVRIENT GMBH

Address of Applicant: Prinzregentenstraße 159 81677

München Germany (72) Name of Inventor: 1)GIERING Thomas 2) KECHT Johann

3)STEINLEIN Stephan

The invention relates to a security feature having a luminescent component and a component camouflaging the luminescent component. The invention is based on a security feature having a luminescent component that has at least one luminophore consisting of a doped host lattice and a component camouflaging the luminescence component wherein the camouflaging component has at least two substances wherein the first substance of the camouflaging component has an X ray diffractogram that conceals the X ray diffractogram of the luminescent component and the second substance of the camouflaging component has at least one cationic element of the luminescent component and at least one cationic element of the first substance of the camouflaging component wherein the luminescent component and the first substance of the camouflaging component are formed from different cationic elements.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4860/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :26/06/2014 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: THRUST SLIDING BEARING

(51) International classification:F16C17/04,B60G3/28,B60G13/08 (71) Name of Applicant:

(31) Priority Document No :2012007374 (32) Priority Date :17/01/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/000056 No

:10/01/2013 Filing Date

(87) International Publication :WO 2013/108596

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

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

1)OILES CORPORATION

Address of Applicant :6 34 Kounan 1 chome Minato ku Tokyo

1080075 Japan

(72) Name of Inventor:

1)SAITO Katsunori 2)MORISHIGE Kouichi

3)NAGASHIMA Tsuyoshi

#### (57) Abstract:

A thrust sliding bearing (1) is provided with a synthetic resin upper case (100) a synthetic resin lower case (200) and a synthetic resin thrust sliding bearing piece (300) which is provided between the upper case (100) and the lower case (200). The thrust sliding bearing piece (300) is provided with: an inner annular groove (306) and an outer annular groove (307) which are formed in the upper surface (304) so as to extend along the circumferential direction (R) and so as to be coaxial with each other in an inside/outside relationship in the radial direction (X); and a lubricating oil agent such as grease which is fully filled into both the inner circular groove (306) and the outer annular groove (307) with no space left unfilled.

No. of Pages: 53 No. of Claims: 14

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : COMPOSITIONS FOR CONTROLLING GANODERMA DISEASE IN PLANTS AND METHOD THEREOF BY USING ENDOPHYTIC FUNGUS HENDERSONIA GANOEF1

:C12N	(71)Name of Applicant:
:PI 2011005782	1)MALAYSIAN PALM OIL BOARD
:29/11/2011	Address of Applicant :No. 6 Persiaran Institusi Bandar Baru
:Malaysia	Bangi 43000 Kajang Selangor Malaysia
:PCT/MY2012/000291	(72)Name of Inventor:
:29/11/2012	1)SEMAN Idris Abu
:WO 2013/081448	2)KUSHAIRI DIN Ahmad
·N A	3)MOSLIM Ramle
	4)RAMLI Nur Rashyeda
:NA	5)AHMAD ZAIRUN Madihah
:NA	6)SEBRAN Noor Haida
:NA	
	:PI 2011005782 :29/11/2011 :Malaysia :PCT/MY2012/000291 :29/11/2012 :WO 2013/081448 :NA :NA

# (57) Abstract:

There is provided a composition comprising an endophytic fungus from the Hendersonia genus for treatment of Ganoderma infected plants and more particularly oil palm. The treatment includes controlling the development of Ganoderma infection in oil palm.

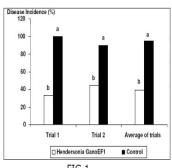


FIG 1

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

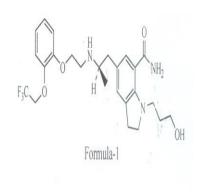
(22) Date of filing of Application :25/04/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF ALPHA-1 ADRENOCEPTOR ANTAGONIST

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :MSN LABORATORIES LIMITED,
(33) Name of priority country	:NA	FACTORY: SY.NO: 317 &323, RUDRARAM (VIL),
(86) International Application No	:NA	PATANCHERU(MDL), MEDAK(DIST), ANDHRA PRADESH.
Filing Date	:NA	INDIA - 502 329 Andhra Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SRINIVASAN THIRUMALAI RAJAN
Filing Date	:NA	2)SAJJA ESWARAIAH
(62) Divisional to Application Number	:NA	3)VENKATESH MUMMADI
Filing Date	:NA	

# (57) Abstract:

The present invention provides a process for the preparation of l-(3-hydroxypropyl)-5-[(2R)-2-({2-[2-(2,2,2-trifluoroethoxy)phenoxy]ethyl}amino)propyl]-2,3-dihydro-lH-indole-7-carboxamide compound represented by the following structural formula-1.



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

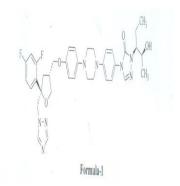
(22) Date of filing of Application :29/05/2012 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NOVEL CRYSTALLINE FORMS OF TRIAZOLE ANTIFUNGAL DRUG

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MSN LABORATORIES LIMITED  Address of Applicant:FACTORY: SY.NO.317 & 323,  RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) - 502 329 Andhra Pradesh India (72)Name of Inventor:  1)SRINIVASAN THIRUMALAI RAJAN 2)SALJA ESWARAJAH
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
(62) Divisional to Application Number	:NA :NA :NA	3)VISHNUVARDHAN SUNKARA

# (57) Abstract:

The present invention relates to novel crystalline forms of triazole antifungal drug which is represented by the following structural formula-1, Formula-1 and its intermediate compound. Further, the process for the preparation of said novel polymorphs of triazole antifungal drug.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2155/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR DETECTING FINGERPRINT LIVENESS

(51) International classification	:G06K9/62	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Bydesign India Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :43 Electronics City Hosur Road,
(33) Name of priority country	:NA	Bangalore - Karnataka. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Aditya S. Abhyankar
(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:

According to the present invention there is provided a method for detecting liveness in fingerprint images which have passed genuineness test by using minutiae based fingerprint marcher. The method having steps of subjecting the fingerprint images to steerable wavelet packet based fingerprint liveness detection to extract features from textured patterns. Thereafter, the fingerprint images are dividing into local blocks of same size and Fourier bases to generate Fourier expansion within each of the block. Thereafter, the Fourier framework is applied to get two dimensioned wavelet bases. Further, the fingerprint images are filtered to remove conjugated parts and are refined by using steerable wavelet packets for analyzing the fingerprint images using directional zoom-in features for liveness detection. Thereafter, inverse Fourier transform is applied on local Fourier basis to obtain biorthogonal bases and then directional analysis is performed. At last, second expansion is preformed using finer grind to determine liveness.

No. of Pages: 27 No. of Claims: 4

(22) Date of filing of Application :24/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : PROCESS AND METHODS FOR THE CONVERSION OF ALGAE, OTHER CARBONACEOUS FEEDSTOCKS AND MIXTURES OF ALGAE WITH CARBONACEOUS FEEDSTOCKS TO CRUDE OIL AND FUEL PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12P :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ABAN INFRASTRUCTURE PVT LTD Address of Applicant: BIOTECHNOLOGY DIVISION, "JANPRIYA CREST", 113 PANTHEON ROAD, EGMORE, CHENNAI 600 008 Tamil Nadu India 2)MURADEL PTY LTD 3)CHENNAI PETROLEUM CORPORATION LIMITED (CPCL) (72)Name of Inventor: 1)DR. SENTHIL CHINNASAMY 2)MR. SAILENDRA BHASKAR 3)MR. J. NALLASIVAM 4)DR. SACHITRA KUMAR RATHA 5)DR. DAVID M LEWIS 6)MR. MICHAEL JUREIDINI 7)DR. A. MEENAKSHISUNDARAM 8)MRS. M. LAVANYA 9)DR. V. SELVAVATHI
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#### (57) Abstract:

The present invention relates to an integrated method for processing algal biomass comprising a marine algal strain or a freshwater (non-marine) algal strain or a plurality of marine algal strains or a plurality of freshwater (non-marine) algal strains or any combination thereof or other carbonaceous feedstocks like biosolids or any combination of algae/algae mixtures and carbonaceous feedstocks to produce biofuel. The method includes subjecting the algae/algal mixture to hydrothermal liquefaction/co-liquefaction using subcritical water to produce a biocrude. The biocrude is pretreated using a renewable biocatalyst to remove impurities which include Nitrogen (N), Sulfur (S), Oxygen (O) and salts and the pretreated biocrude is mixed with a petrocrude to form a biocrude petrocrude blend. The biocrude-petrocrude blend is distilled and the distillate fractions are treated using the renewable biocatalyst to remove impurities and finally hydrotreated to produce biofuels. The recovered biocatalyst/biochar which is rich in nutrients is used for agricultural applications to improve soil fertility.

No. of Pages: 32 No. of Claims: 12

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A NOVEL PROCESS FOR PREPARATIION OF VEMBURAFENIB

		(71)Name of Applicant :
		1)LAURUS LABS PRIVATE LTD
(51) International classification	:C07D	Address of Applicant :DS-1, IKP KNOWLEDGE PARK,
(31) Priority Document No	:NA	GENOME VALLEY, TURKAPALLY, SHAMEERPET
(32) Priority Date	:NA	MANDAL, RANGA REDDY DISTRICT, HYDERABAD - 500
(33) Name of priority country	:NA	078 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRIVARDHANA RAO JAMJANAM
(87) International Publication No	: NA	2)ANIL KUMAR REDDY SHAMAKURA
(61) Patent of Addition to Application Number	:NA	3)SIVA KUMAR GUNAPARTHI
Filing Date	:NA	4)VENKATA RAMA KRISHNA MURTHY MOTURU
(62) Divisional to Application Number	:NA	5)VENKATA SUNIL KUMAR INDUKURI
Filing Date	:NA	6)SEETA RAM ANJANEYULU
		7)GORANTLA
		8)SATYANARAYANA CHAVA

# (57) Abstract:

The present invention provides novel intermediates of vemurafenib or a pharmaceutically acceptable salt thereof and a process for its preparation. The present invention also provides for the preparation of vemurafenib or a pharmaceutically acceptable salt thereof using the intermediates.

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

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: REGENERATIVE BRAKING SYSTEM IN A BICYCLE

(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	INI A	(71)Name of Applicant:  1)DR. A. MURUGARAJAN Address of Applicant:SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, NGGO COLONY POST, COIMBATORE 641 022 Tamil Nadu India  2)RAJAT RADHAKRISHNAN 3)VENKATESA PRASATH. S 4)VENKATESHWARAN. K (72)Name of Inventor: 1)DR. A. MURUGARAJAN 2)RAJAT RADHAKRISHNAN 3)VENKATESA PRASATH. S 4)VENKATESHWARAN. K
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# (57) Abstract:

Regenerative Braking is a mechanism for harnessing the kinetic energy of a vehicle in motion; that is lost during braking and converts this loss of kinetic energy into gain in kinetic energy. Generally, a lot of energy is lost during braking which makes start up strenuous. In order to provide a boost during start up, this proposed mechanism makes use of mechanical kinetic energy recovery system by means of a flywheel which can store and distribute energy. The flywheel is fixed to the frame of the bicycle and connected to the drive by chain transmission. This is used to store the kinetic energy and later reuse it to propel the bicycle. The flywheel assembly is first "charged" by engaging it, disengaged prior to braking and during start up it is "discharged" by engaging it again. The flywheel can be charged while accelerating or cruising. And it can be discharged during start up thus contributing to the drive. In order to engage/disengage the flywheel from the system a clutch plate used which is actuated by means of a lever assembly combined with a spring return assembly. Thereby putting to use a "mechanical battery" supported by an efficient transmission system this mechanism adds to the efficiency of a bicycle. This kind of energy restoration is far more efficient as it does not involve many conversion stages and puts to use simple components that can be operated with ease.

No. of Pages: 19 No. of Claims: 2

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHODS OF UPSCALING MESENCHYMAL STROMAL CELL PRODUCTION, COMPOSITIONS AND KIT THEREOF

		(71)Name of Applicant:
		1)STEMPEUTICS RESEARCH PVT. LTD.
(51) International classification	:C12N	Address of Applicant : Akshay Tech Park, #72 & 73, 2nd
(31) Priority Document No	:NA	Floor, EPIP Zone, Phase I-Area Whitefield, Bangalore 560 066,
(32) Priority Date	:NA	Karnataka, India Karnataka India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)UDAYKUMAR KOKUNDKAR
Filing Date	:NA	2)SWATHI SUNDAR RAJ
(87) International Publication No	: NA	3)SUDHA BALASUBRAMANIAN
(61) Patent of Addition to Application Number	:2932/CHE/2009	4)CHARAN THEJ
Filed on	:01/01/1900	5)ASHWIN KUNIGAL MRUTHYUNJAYA
(62) Divisional to Application Number	:NA	6)DEVI DAMODARAN
Filing Date	:NA	7)BALAMURUGAN RAMADASSE
č		8)SWAROOP BHAGWAT
		9)ANISH SEN MAJUMDAR

#### (57) Abstract:

Present disclosure discloses a robust manufacturing process for consistent production of clinical grade Mesenchymal Stromal cells (MSCs). The process enables production of highly viable potent cells. The process steps relating to preparation of media, cell seeding, harvesting are fine tuned to achieve consistency in cell yield, superior cell viability, purity, improved cell proliferation, high cell recovery, low HLA-DR expression, reduction in culture duration. The viability and purity of cells are further improved by optimized wash process without cell loss/cell stress. The disclosure further provides a method of cyrostoring MSCs at high cell density without affecting the viability of cells. It further provides economical means to store and transport at -80°C.

No. of Pages: 66 No. of Claims: 30

(21) Application No.3151/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR PREPARATION OF BOSUTINIB

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHILPA MEDICARE LIMITED
(32) Priority Date	:NA	Address of Applicant :SHILPA MEDICARE LIMITED,
(33) Name of priority country	:NA	10/80, SECOND FLOOR, RAJENDRA GUNJ, RAICHUR,
(86) International Application No	:NA	KARNATAKA, INDIA-584102 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PIPAL; BHAGAT RAJ
(61) Patent of Addition to Application Number	:NA	2)BOYINA ; RAMANJANEYULU
Filing Date	:NA	3)NARLA; JAGAN MOHAN REDDY
(62) Divisional to Application Number	:NA	4)CHATURVEDI; AKSHAY KANT
Filing Date	:NA	5)SHRAWAT; VIMAL KUMAR

# (57) Abstract:

PROCESS FOR PREPARATION OF BOSUTINIB ABSTRACT The present invention relates to a process for the preparation of compound of Formula (I). (I) The present invention further relates to novel intermediates useful in the preparation of Bosutinib. The present invention also relates to a process for the preparation of novel Bosutinib intermediates.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3152/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EFFICIENT TWO STROKE ENGINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F02B :NA :NA :NA	(71)Name of Applicant:  1)Vijay Vailaya Shashidhar  Address of Applicant :"Sri Rama Nilaya†• Nekkila, Bannur Post, Puttur, Dakshina Kannada-574203, Karnataka, India.
(86) International Application No Filing Date	:NA :NA	Karnataka India (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)Vijay Vailaya Shashidhar 2)Dr. Joseph Gonsalvis
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

According to an aspect of the present invention, a two-stroke SI engine that delivers performances better than the conventional type two-stroke engine is provided. In that the engine gives higher fuel efficiency and lower emission equivalent to a four-stroke engine while retaining advantages like superior torque and simplicity of two-stroke engine. According to another aspect, a four-stroke engine of a particular capacity (for example 100 cc) is converted into a two-stroke engine with a enhanced two stroke engine torque.

No. of Pages: 29 No. of Claims: 1

(21) Application No.3153/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A CLEAR SUSPENDING LIQUID CLEANSING COMPOSITION AND USES THEREOF

(51) International classification	:C11D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ITC LIMITED
(32) Priority Date	:NA	Address of Applicant :ITC LIFE SCIENCES AND
(33) Name of priority country	:NA	TECHNOLOGY CENTER #3. 1st Main, Peenya industrial area,
(86) International Application No	:NA	Phase-1, Bangalore, 560 058 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GASPAR, Joseph Milton
(61) Patent of Addition to Application Number	:NA	2)ODEDRA, Ashwin Hajabhai
Filing Date	:NA	3)UPPIN, Amith
(62) Divisional to Application Number	:NA	4)PRAJITH, Sarina
Filing Date	:NA	5)MANI, Sudhir

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

The present disclosure relates to a clear liquid cleansing composition that provides enhanced particle suspension to the fatty acid soap based liquid formulation while maintaining visual clarity.

No. of Pages: 19 No. of Claims: 14

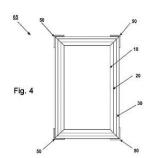
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CORROSION RESISTANT COATING SYSTEM FOR A DRY TYPE TRANSFORMER CORE

1)SINGH Bandeep 2)HARTMANN Thomas A. 3)RALLARD Pobort C

# (57) Abstract:

A protective coating system for application to exposed surfaces of a transformer core prevents corrosion of the core. The protective coating is suitable for use in industrial and marine environments where many factors impact the life of the transformer core. The protective coating comprises at least three coating layers. The first coating layer is an inorganic zinc silicate primer. The second coating layer is a polysiloxane. The third coating layer is a room temperature or high temperature vulcanizing silicone rubber. A silicone rubber sealant may be further applied to outer edge surfaces of the core.



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

(22) Date of filing of Application :27/06/2014 (43) Publication Date: 05/02/2016

# (54) Title of the invention: METHOD FOR DETERMINING AN EMERGENCY BRAKING SITUATION OF A VEHICLE

(51) International classification: B60T7/22,B60W40/10,G08G1/16 (71) Name of Applicant: (31) Priority Document No :10 2012 002 695.1 (32) Priority Date :14/02/2012 (33) Name of priority country :Germany (86) International Application :PCT/EP2013/000305

:01/02/2013 Filing Date

(87) International Publication :WO 2013/064705

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

:NA Number :NA Filing Date

1)WABCO GmbH

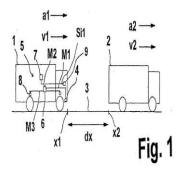
Address of Applicant: Am Lindener Hafen 21 30453

Hannover Germany (72) Name of Inventor: 1)BREUER Karsten

2)SANDKÜHLER Dirk

### (57) Abstract:

The invention relates to a method for determining an emergency braking situation of a vehicle (1) in which the vehicle (1) determines at least the following state variables: its own velocity (vi) its own longitudinal acceleration (a1) its relative distance (dx) from an object (2) in front and a second speed (v2) and second acceleration (a2) of the object (2) in front wherein by means of an evaluation method it is determined from the state variables (vi a1 dx v2 a2) whether an emergency braking situation is present. According to the invention there is provision that various evaluation methods are used as a function of the state variables (vi a1 dx v2 a2) to assess whether an emergency braking situation is present wherein as a function of the state variables it is determined which of the plurality of evaluation methods is used wherein the various evaluation methods comprise at least the following evaluation methods: a movement equation evaluation method in which a movement equation system of the vehicle (1) and of the object (2) in front is determined and a second evaluation method in which a braking distance of the vehicle (1) is determined.



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

(22) Date of filing of Application :27/06/2014 (43) Publication Date: 05/02/2016

:NA

# (54) Title of the invention: METHOD FOR DIAGNOSING INTERNAL FAULT OF OIL IMMERSED TRANSFORMER THROUGH CONTENT RATIOS OF DISSOLVED GASES

(51) International classification :G01R31/12,G01R31/02 (71)Name of Applicant : (31) Priority Document No 1)HYOSUNG CORPORATION :1020110142841 (32) Priority Date Address of Applicant: (Kongdok dong) 119 Mapo daero Mapo :26/12/2011 gu Seoul 121 720 Republic of Korea (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2012/011506 (72) Name of Inventor: Filing Date :26/12/2012 1)KIM Young Min (87) International Publication No :WO 2013/100593 2)KIM Sung Jik (61) Patent of Addition to Application 3)SEO Hwang Dong :NA Number 4)LEE Soo Jin :NA Filing Date (62) Divisional to Application Number :NA Filing Date

#### (57) Abstract:

The present invention relates to a method for accurately diagnosing an internal fault of an oil immersed transformer by analyzing content ratios of dissolved gases generated when the internal fault occurs in the oil immersed transformer. The method for diagnosing the internal fault of the oil immersed transformer of the present invention diagnoses the internal fault by analyzing the dissolved gases contained in the insulating oil of the oil immersed transformer for internal fault diagnosis wherein the method comprises: a first step of extracting H2 CH4 C2H4 and C2H2 from the dissolved gases; a second step of calculating a content ratio (%) of each dissolved gas from the total content of the four dissolved gases selected from the extracted five dissolved gases; and a third step of determining the internal fault of the oil immersed transformer for diagnosis corresponding to an internal fault region according to content ratio (%) values of the calculated four dissolved gases and predetermined content ratios (%) of the four dissolved gases.

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

(22) Date of filing of Application :24/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention: METHODS FOR ENHANCING YIELD AND CONTROLLING WEEDS USING HERBICIDE COMPRISING ACETOHYROXYACID SYNTHASE (AHAS)-INHIBITING HERBICIDE

(51) International classification :C12N 15/82
(31) Priority Document No :60/695,952
(32) Priority Date :01/07/2005
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2006/025534
Filing Date :29/06/2006

(87) International Publication No :WO/2007/005581

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

Filing Date

(62) Divisional to Application Number

Filed on

(71)Name of Applicant:

1)Nidera S.A

Address of Applicant :Paseo Colon 505, 4 Piso, Buenos Aires,

Argentina; an Argentina company Argentina

2)BASF SE

(72)Name of Inventor: 1)SALA, Carlos, Alberto

2)ECHARTE, Adrianna, Mariel

3)BULOS, Mariano 4)WHITT, Sherry, R. 5)ASCENZI, Robert

#### (57) Abstract:

Herbicide-resistant sunflower plants, isolated polynucleotides that encode herbicide-resistant and wild-type acetohydroxyacid synthase large subunit (AHASL) polypeptides, and the amino acid sequences of these polypeptides, are described. Expression cassettes and transformation vectors comprising the polynucleotides of the invention, as well as plants and host cells transformed with the polynucleotides, are described. Methods of using the polynucleotides to enhance the resistance of plants to herbicides, and methods for controlling weeds in the vicinity of herbicide-resistant plants are also described.

FIGURE 5



No. of Pages: 120 No. of Claims: 23

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COATED ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME

(51) International classification	:B24D3/28,B24D11/00	(71)Name of Applicant:
(31) Priority Document No	:61/581443	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:29/12/2011	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:U.S.A.	Paul Minnesota 55133 3427 U.S.A.
(86) International Application No	:PCT/US2012/070485	(72)Name of Inventor:
Filing Date	:19/12/2012	1)JANSSEN Jeffrey R.
(87) International Publication No	:WO 2013/101575	2)EILERS Deborah J.
(61) Patent of Addition to Application	:NA	3)GRAHAM Paul D.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided are abrasive articles in which the make layer abrasive particle layer and size layer are coated onto a backing according to a coating pattern characterized by a plurality of discrete islands. The coating pattern has features in which all three components are generally in registration with each other while providing a pervasive uncoated area extending across the backing. Advantageously this configuration provides a coated abrasive that displays superior curl resistance compared with previously disclosed abrasive articles. Moreover this configuration resists loading resists de lamination has enhanced flexibility and decreases the quantity of raw materials required to achieve the same level of performance as conventional abrasive articles.



No. of Pages: 32 No. of Claims: 30

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF DETECTING A SALMONELLA MICROORGANISM

(51) International classification	:C12O1/04,C12O1/10	(71)Name of Applicant:
(31) Priority Document No	:61/580849	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:28/12/2011	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:U.S.A.	Paul MN 55133 3427 U.S.A.
(86) International Application No	:PCT/US2012/070580	(72)Name of Inventor:
Filing Date	:19/12/2012	1)BINSFELD Christine A.
(87) International Publication No	:WO 2013/101590	2)MACH Patrick A.
(61) Patent of Addition to Application	:NA	3)CELT Mara S.
Number	:NA	4)STANENAS Adam J.
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

SalmonellaSalmonellaA composition is provided for detecting a microorganism in sample. The composition comprises at least one first selective agent that inhibits the growth of Gram positive microorganisms a first differential indicator system comprising at least one first differential indicator compound that is converted to a first detectable product by a microorganism and a second differential indicator system comprising a second differential indicator compound that is converted by urease enzyme activity to a second detectable product. Optionally the composition may comprise a third differential indicator system comprising a third differential indicator compound that is converted by a  $\tilde{A}\tilde{Y}$  galactosidase enzyme activity to a third detectable product. Methods of using the composition to detect a microorganism are also provided.



No. of Pages: 37 No. of Claims: 28

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD OF DETECTING A SALMONELLA MICROORGANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/580860 :28/12/2011 :U.S.A.	(71)Name of Applicant:  1)3M INNOVATIVE PROPERTIES COMPANY Address of Applicant: 3M Center Post Office Box 33427 Saint Paul Minnesota 55133 3427 U.S.A. (72)Name of Inventor: 1)BINSFELD Christine A. 2)MACH Patrick A. 3)CELT Mara S. 4)STANENAS Adam J.
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#### (57) Abstract:

SalmonellaSalmonellaA method of detecting a microorganism is provided. The method includes the use of a selective growth medium a first indicator system that is converted to a first detectable product by a microorganism and a second indicator system that is converted to a second detectable product by  $\tilde{A}\ddot{Y}$  galactosidase enzyme activity. The method further comprises inoculating the growth medium and incubating the inoculated growth medium at a temperature higher than 40 degrees C.



No. of Pages: 36 No. of Claims: 24

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEVICE FOR DETECTING PARTIAL DISCHARGE FOR POWER TRANSFORMER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G01R31/12 :1020110142151 :26/12/2011 :Republic of Korea :PCT/KR2012/011360 :24/12/2012 :WO 2013/100512 :NA :NA :NA	(71)Name of Applicant:  1)HYOSUNG CORPORATION  Address of Applicant:183 2 Hogye 2 dong Dongan gu Anyang si Gyeonggi do 431 830 Republic of Korea (72)Name of Inventor:  1)JUNG Jae Ryong 2)RYU Eun Tae 3)HWANG Kyung Rok
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#### (57) Abstract:

The present invention relates to a device for detecting a partial discharge for a power transformer which detects an electromagnetic signal occurring due to faulty insulation. The device includes an antenna unit receiving electromagnetic waves an insulator including the antenna unit a metallic air tight unit that seals a connector connected to the insulator and connecting a coaxial cable and the coaxial cable exposed to the outside of the metallic air tight unit. Thus it is possible to enhance broadband properties through an internal conductor of a drain valve.

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

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EXTENDED RELEASE COMPOSITIONS OF CARVEDILOL PHOSPHATE

	.C07D	(71)Nome of Amiliana
(51) International classification		(71)Name of Applicant:
	209/00	
(31) Priority Document No	:NA	Address of Applicant :HETERO DRUGS LIMITED,
(32) Priority Date	:NA	HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES,
(33) Name of priority country	:NA	SANATH NAGAR, HYDERABAD - 500 082 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PARTHASARADHI REDDY, BANDI
(61) Patent of Addition to Application Number	:NA	2)KHADGAPATHI, PODILI
Filing Date	:NA	3)BIJAYANANDA, SAHOO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to solid oral dosage forms of carvedilol phosphate. More specifically, the present invention relates to extended release compositions of carvedilol phosphate and process for their preparation.

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

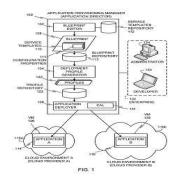
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : APPLICATION BLUEPRINTS BASED ON SERVICE TEMPLATES TO DEPLOY APPLICATIONS IN DIFFERENT CLOUD ENVIRONMENTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06F :NA :NA :NA	(71)Name of Applicant: 1)VMWARE, INC. Address of Applicant: 3401 Hillview Avenue, Palo Alto, CA 94304, United States of America U.S.A.
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	(72)Name of Inventor:  1)AGILA GOVINDARAJU 2)KIRAN SINGH
<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	3)ASHISH KUMAR JAIN

#### (57) Abstract:

Disclosed examples to configure an application blueprint involve, during a design phase, binding a service template to a node of the application blueprint. The application blueprint defines an application to be deployed in a cloud environment. The service template is mapped to a plurality of services that are selectable during a runtime phase to implement the node in the cloud environment. During the runtime phase, a first one of the services is bound to the node of the application blueprint based on the first one of the services being mapped to the service template and being selected during the runtime phase. An application deployment profile is generated based on the binding of the first one of the services to the node. [FIG. 1]



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

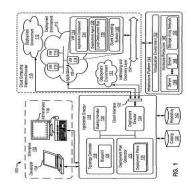
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS TO SCALE APPLICATION DEPLOYMENTS IN CLOUD COMPUTING ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA	(71)Name of Applicant: 1)VMWARE, INC. Address of Applicant: 3401 Hillview Avenue, Palo Alto, CA 94304, United States of America U.S.A. (72)Name of Inventor:
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA :NA : NA :NA	1)SERVESH SINGH 2)ARUN NARAYANASWAMY 3)RISHI SARAF 4)SAKET KUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	5)JITENDRA KUMAR

### (57) Abstract:

Methods, apparatus, systems and articles of manufacture are disclosed to scale application deployments in cloud computing environments. An example method disclosed herein includes marking a scaling status of a virtual machine included in a first node deployed in the computing environment, the first node executing a first component of the application, the scaling status of the virtual machine indicating a change in a number of virtual machines included in the first node. The example method also includes identifying a second node including a dependency with the virtual machine, the second node deployed in the computing environment. The example method also includes updating configuration information associated with the second node based on the scaling status of the virtual machine, the configuration information including a reference to the virtual machine. [Fig. 1]



No. of Pages: 45 No. of Claims: 10

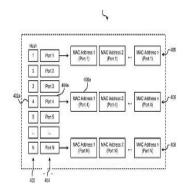
(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LAYER 2 PACKET SWITCHING WITHOUT LOOK UP TABLE FOR ETHERNET SWITCHES

(51) International classification	:H04L12/28	(71)Name of Applicant:
(31) Priority Document No	:13/438794	1)INTERNATIONAL BUSINESS MACHINES
(32) Priority Date	:03/04/2012	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :New Orchard Road Armonk New York
(86) International Application No	:PCT/IB2013/052168	10504 U.S.A.
Filing Date	:19/03/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/150404	1)KAMBLE Keshav Govind
(61) Patent of Addition to Application	:NA	2)PANDEY Vijoy
Number	:NA	3)LEU Dar Ren
Filing Date	.11/1	4)ANANTHARAM Sushma
(62) Divisional to Application Number	:NA	5)MUKHERJEE Nilanjan
Filing Date	:NA	

#### (57) Abstract:

In one embodiment a system includes at least one processor which includes logic configured for receiving a request to assign a media access control (MAC) address to a device on a port logic configured for determining the MAC address to assign to the device based at least partially on the port and logic configured for sending a response to the request with the MAC address. In another embodiment a computer program product for assigning a MAC address includes a computer readable storage medium having computer readable program code embodied therewith the computer readable program code including computer readable program code configured for determining without using a look up table a MAC address to assign to a device and computer readable program code configured for sending the MAC address to the device. Other systems methods and computer program products are presented according to more embodiments.



No. of Pages: 31 No. of Claims: 25

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR PRIORITY BASED SESSION AND MOBILITY MANAGEMENT DUAL PRIORITY MTC 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> </ul>	:27/01/2013 :WO 2013/112976	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)STUPAR Patrick  2)GRIOT Miguel  3)SUBRAMANIAN Ramachandran
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>		2)GRIOT Miguel
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems methods and devices for priority based management of the connections between a device (MTC M2M) and a network are described herein. In some aspects a device may include multiple applications with different access priorities e.g. low priority or normal priority. As a result of a mobility event such as change in location or resuming operation after an idle period the device may be configured to transmit a signal indicating its status e.g. TAU RAU. The signal may include an access priority value. Various methods and systems for determining an access priority value for devices configured to support one or more access priorities are described.

No. of Pages: 34 No. of Claims: 28

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ROTODYNAMIC PUMP WITH ELECTRO MAGNET COUPLING INSIDE THE IMPELLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:20/12/2012 :WO 2013/101660 :NA :NA	(71)Name of Applicant:  1)PEOPLEFLO MANUFACTURING INC. Address of Applicant:10045 Pacific Avenue Franklin Park IL 60131 U.S.A. (72)Name of Inventor: 1)BLANKEMEIER William R. 2)TRNINICH Radosav
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Rotodynamic pumps having an inner drive electro magnet coupling disposed inside an impeller are disclosed. The impeller has a casing having a pumping region generally in a pumping plane that is perpendicular to the rotational axis of the impeller and aligned with an electro magnet coupling that includes outer magnets that are connected to the impeller and at least partially aligned with the pumping region of the impeller and a stationary component having multiple electro magnets that are disposed inside of and are in axial alignment with the outer magnets. A canister is sealed to the casing and separates the outer magnets from the multiple electro magnets.



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

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SOLAR POWER AUTOMATIC TAPIOCA HARVESTER

(51) International classification	:A01D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HINDUSTAN INSTITUTE OF TECHNOLOGY &
(32) Priority Date	:NA	SCIENCE
(33) Name of priority country	:NA	Address of Applicant :P.O. BOX NO. 1, RAJIV GANDHI
(86) International Application No	:NA	SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI
Filing Date	:NA	- 603 103 Tamil Nadu India
(87) International Publication No	: NA	2)MR. SUDALAI MUTHU T
(61) Patent of Addition to Application Number	:NA	3)MR. G. MUTHUKUMARAN
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)MR. SUDALAI MUTHU T
Filing Date	:NA	2)MR. G. MUTHUKUMARAN

# (57) Abstract:

The object of this invention is to develop a very economical, eco-friendly Solar Powered Automatic Tapioca Harvester consists of harvester module, collectors, smart sensors, and intelligent neural control with Intel atom processor. The object of this invention is to develop a harvester module consists of auto adjustable sectional plates, digging plates with smart sensors. The one another object of this invention is, the harvester has an additional mechanism to unplug the group of tapioca plants after them loosening from soil, and it can unplug 2-4 tapioca plants stems at a time. The yet another object of this invention is, to develop adaptive neural networks based controlled system trained by the input sample with respect to the field interval distance and hence the neural networks can work effectively for the various fields.

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

(12) PATENT APPLICATION PUBLICATION

('.

(21) Application No.4812/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : COMPOSITION FOR GEL POLYMER ELECTROLYTE AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(22) Distributed to Application Number</li> </ul>	:H01M10/0565 :10-2013-0009334 :28/01/2013 :Republic of Korea :PCT/KR2014/000793 :28/01/2014 :WO/2014/116082 :NA :NA	(71)Name of Applicant: 1)LG CHEM, LTD. Address of Applicant:. (72)Name of Inventor: 1).
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are a composition for a gel polymer electrolyte including i) an electrolyte solution solvent, ii) an ionizable lithium salt, iii) a polymerization initiator, and iv) a monomer having a functional group bondable to metal ions, and a lithium secondary battery including- the composition for a gel polymer electrolyte. In a case where the composition for a gel polymer electrolyte of the present invention is used in a lithium secondary, battery, since the movement of metal ions dissolved from a cathode to an anode may be prevented or the precipitation of metal on the anode may be reduced, the lifetime of the battery may not only be improved but capacity characteristics of the battery may also be excellent even in the case in which the battery is charged at a high voltage as well as normal voltage

No. of Pages: 36 No. of Claims: 19

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

### (54) Title of the invention: VACCINES AGAINST HPV

(51) International :A61K39/00,C07K16/44,A61K39/12 classification

(31) Priority Document No :61/578542 (32) Priority Date :21/12/2011

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

(86) International :PCT/EP2012/076404

Application No :20/12/2012 Filing Date

(87) International Publication: WO 2013/092875

(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)VACCIBODY AS

Address of Applicant: Gaustadalleen 21 NO 0349 Oslo

Norway

(72) Name of Inventor: 1)BREKKE Ole Henrik

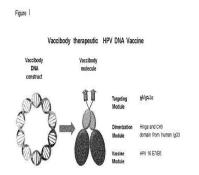
2)FREDRIKSEN Agnete Brunsvik

3)AREFFARD Ali

4)LINDEBERG Mona Mari

#### (57) Abstract:

The present invention relates to the rapeutic compounds such as vaccines against human papillomavirus (HPV) and in particular to DNA vaccines against HPV16 or HPV18. The invention further relates to protein construct encoding homodimeric peptides which peptides may be released from a DNA vaccine or used separately. Further described are pharmaceutical formulations host cells and methods for producing the vaccines as well as methods for the treatment of various HPV induced diseases such as cancers and infectious diseases by application.



No. of Pages: 48 No. of Claims: 56

(22) Date of filing of Application :28/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR UNIFIED COMMON MODE VOLTAGE INJECTION

(51) International classification	:H02M	(71)Name of Applicant:
(31) Priority Document No	:201310276169.5	,
(32) Priority Date	:03/07/2013	Address of Applicant :1 River Road Schenectady, New York
(33) Name of priority country	:China	12345 United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SCHROEDER, Stefan
(87) International Publication No	: NA	2)QU, Bo
(61) Patent of Addition to Application Number	:NA	3)LEI, Qin
Filing Date	:NA	4)YANG, Shuitao
(62) Divisional to Application Number	:NA	5)SHEN, Jie
Filing Date	:NA	6)CHEN, Kunlun

#### (57) Abstract:

SYSTEM AND METHOD FOR UNIFIED COMMON MODE VOLTAGE INJECTION ABSTRACT A power conversion system includes at least one multi-level power converter and a controller coupled to the at least one multi-level power converter. The controller includes a first CMV injection module and a second CMV injection module. The first CMV injection module generates a first CMV signal for modifying at least one voltage command to achieve a first function in association with operation of the power conversion system. The second CMV injection module generates a second CMV signal based at least in part on a local limit either for modifying the at least one voltage command or for further modifying the at least one modified voltage command to achieve a second function in association with operation of the power conversion system. FIG.1

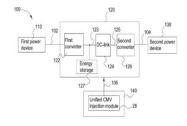


FIG. 1

No. of Pages: 44 No. of Claims: 10

(22) Date of filing of Application :28/06/2014

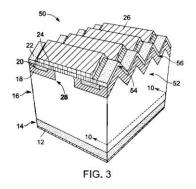
(43) Publication Date: 05/02/2016

# (54) Title of the invention : METAL-OXIDE-SEMICONDUCTOR (MOS) DEVICES WITH INCREASED CHANNEL PERIPHERY 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01L :13/934053 :02/07/2013 :U.S.A. :NA :NA :NA	
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

#### (57) Abstract:

ABSTRACT A semiconductor device includes a silicon carbide (SiC) drift layer disposed on a (0001) oriented SiC substrate. The SiC drift layer has a non-planar surface including a plurality of repeating features that are oriented parallel to a length of a channel of the semiconductor device. Further, the channel region is disposed in a particular crystallographic plane of the SiC drift layer. FIG.3



No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A METHOD AND SYSTEM FOR FORECASTING

<ul> <li>(51) International classification</li> <li>(31) 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>	:G09B :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)INMOBI PTE LTD Address of Applicant:65 CHULIA STREET, #25-01/02/03 OCBC CENTRE, SINGAPORE 049513 Karnataka India (72)Name of Inventor: 1)PADMANABHAN, Swaminathan
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	2)SHARMA, Anand

#### (57) Abstract:

The present invention provides a forecasting engine with the ability to minimize prediction error in a preferred direction. It comprises of a receiver configured to receive training data samples. In addition, the forecasting engine includes a building module configured to build a base learner model from the training data samples. In addition, the forecasting engine includes a custom error function that emphasizes prediction error along a pre-configured direction. In addition, the forecasting engine includes an error determination module configured to determine the prediction error made by the base learner model. In addition, the forecasting engine includes an error minimization module configured to construct a new model that has lesser prediction error than the base learner model, where prediction error is as defined by the custom error function. In addition, the forecasting engine includes an iteration module that manages multiple iterations of the error determination module and the error minimization module.

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

(22) Date of filing of Application :25/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MEDIA ITEM TRANSPORTATION

(51) International classification :G06F (31) Priority Document No :13/955, (32) Priority Date :31/07/2 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	
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#### (57) Abstract:

The present invention provides a method and apparatus (300) for transporting items of media along a transport path (202 or 204). The apparatus (300) comprises a first transport member (302 or 304) having a first end region and a further transport member (304 or 302) having a further end region, wherein the first end region is spaced apart from the further end region, and a bridge member (314) extending between the first end region and the further end region, wherein a length of the bridge member (314) is adjustable responsive to a one of the first and further end regions being moved with respect to a remainder one of the first and further end regions.

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

(22) Date of filing of Application :28/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DISPERSIBLE TABLET COMPRISING URSODEOXYCHOLIC ACID OR ITS SALTS THEREOF

	:A61K	(71)Name of Applicant:
(51) International classification	9/00	1)SHILPA MEDICARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :SHILPA MEDICARE LIMITED 2nd
(32) Priority Date	:NA	Floor, 10/80, Rajendra Gunj, RAICHUR, KARNATAKA, India
(33) Name of priority country	:NA	Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TOPPALADODDI; KRISHNAMURTHY
(87) International Publication No	: NA	2)SHIVAKUMAR; PRADEEP
(61) Patent of Addition to Application Number	:NA	3)CHATURVEDI; AKSHAY KANT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	3)CHATURVEDI; AKSHAY KANT

#### (57) Abstract:

The invention relates to a dispersible tablet composition comprising a therapeutically effective amount of Ursodiol or its pharmaceutically acceptable salts thereof, with one or more pharmaceutically acceptable excipients, having disintegration time of less than 2 minutes in a dispersion medium. Said dispersible tablet composition shall be useful in the treatment of Primary biliary cirrhosis in adults and geriatrics, and cholestatic hepatic diseases in infants and children.

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

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :30/06/2014

(21) Application No.3175/CHE/2014 A

(43) Publication Date: 05/02/2016

## (54) Title of the invention: THE INTELLIGENT CRADLE

(51) International classification :A61H (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE  Address of Applicant: HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE, P.O. BOX NO. 1, RAJIV GANDHI SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI - 603 103 Tamil Nadu India  2)MS. KANPUR RANI V  3)MR. SUDALAI MUTHU T  (72)Name of Inventor:  1)MS. KANPUR RANI V  2)MR. SUDALAI MUTHU T
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#### (57) Abstract:

(19) INDIA

The present invention generally relates to Intelligent Baby and more particularly to methods and apparatus for developing a communication device for assisting visually impaired users in helping them navigate in new locations and also direct them to their desired destination. The objective of the invention is to control the mechanical movements of the cradle by providing the ability to monitor the baby health parameters provides the temperature adjustment; Provides alert on urinary/motion. Provides the ability to remind on time; Provides Entertainment; and provides the control remotely. This will be the suitable for Indian mother as the proposed system is semi-automated with partial human involvement.

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

(21) Application No.3177/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: OPTIMIZED BETELNUT SEPARATOR

(51) International classification :A47 (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	Address of Applicant :HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE, P.O. BOX NO. 1, RAJIV GANDHI SALAI (OMR), PADUR, (VIA), KELAMBAKKAM, CHENNAI - 603 103 Tamil Nadu India 2)MR SUDALAI MUTHUT
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## (57) Abstract:

The present invention generally relates to cracking of whole nuts and more particularly to methods and apparatus for optimized, economical and scalable Betelnut separators. The present invention provides a unique nut cracking apparatus or device that can effectively de-hull the nuts and more specifically betel nuts by dissecting the shells in such a way that the process in seamless and also sensitive to the 'meat' of the nut. The advantage of the invention is that, it does not involve very little man power, is power efficient, involves low cost and is capable of scaling up.

No. of Pages: 9 No. of Claims: 1

(21) Application No.5358/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COMPOSITION AND PROCESS THEREOF

(51) International classification	:A23L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SCMS Institute of Bioscience and Biotechnology Research
(32) Priority Date	:NA	and Development
(33) Name of priority country	:NA	Address of Applicant :Management House, South
(86) International Application No	:NA	Kalamassery, Cochin 682033, India. Kerala India
Filing Date	:NA	2)Coconut Development Board (CDB)
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Chinnamma Mohankumar
Filing Date	:NA	2)Salini Bhasker
(62) Divisional to Application Number	:NA	3)Chandrasekharan Balachandran
Filing Date	:NA	4)Harish Madhav

### (57) Abstract:

The present disclosure relates to a food product obtained by processing of tender coconut. The present disclosure also relates to method of arriving at the product and uses thereof. The tender coconut is processed to obtain a low fat, high protein product which is non-toxic and nutritious.

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

(22) Date of filing of Application :29/11/2012

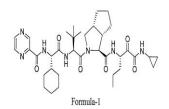
(43) Publication Date: 05/02/2016

 $(54) \ Title \ of the invention: PROCESS FOR THE PREPARATION OF (1S,3AR,6AS)-2-[(2S)-2-(\{(2S)-2-CYCLOHEXYL-2-[(PYRAZIN-2-YL CARBONYL)AMINO]ACETYL\}AMINO)-3,3-DIMETHYLBUTANOYL]-N-[(3S)-1-(CYCLOPROPYLAMINO)-1,2-DIOXOHEXAN-3-YL]-3,3A,4,5,6,6A-HEXAHYDRO-1H-CYCLOPENTA[C]PRROLE-1-CARBOXAMIDE$ 

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)GHOJALA VENKAT REDDY
(62) Divisional to Application Number	:NA	4)PERI SEETHA RAMA SARMA
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an improved process for the preparation of (IS,3aR,6aS)-2-[(2S)-2-({(2S)-2-cyclohexyl-2-[(pyrazin-2-ylcarbonyl)amino]acetyl}amino)-3,3-dirnethyl butanoyl]-N-[(3S)-l-(cyclopropylamino)-l,2-dioxohexan-3-yl]-3,3a,4,5,6,6a-hexahydro-lH-cyclopenta[c] pyrrole-1-carboxamide compound represented by the following structural formula-1.



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

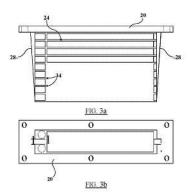
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: HEAT EXCHANGER WITH END SEAL FOR BLOCKING OFF AIR BYPASS FLOW

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F28F9/04,B60K13/02,F02B29/04 :NA	(71)Name of Applicant: 1)DANA CANADA CORPORATION
(32) Priority Date	:NA	Address of Applicant :656 Kerr Street Oakville Ontario L6K
(33) Name of priority country	:NA	3E4 Canada
(86) International Application No Filing Date	:PCT/CA2011/050740 :28/11/2011	<ul><li>(72)Name of Inventor:</li><li>1)KINDER Lee M.</li><li>2)MAGILL Desmond</li></ul>
(87) International Publication No	:WO 2013/078531	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A heat exchanger having a plurality of spaced apart plate pairs where each plate pair defines a flow passage for the flow of a first fluid. One or more fins are thermally coupled and sandwiched by the spaced apart plate pairs for flow of a second fluid. A fluid manifold being fluidly coupled to the flow passages of the spaced apart plate pairs is also provided. The heat exchanger has a front face and side faces defined by at least the plurality of spaced apart plate pairs and the one or more fins. And a bypass seal complementary to the front face or one of the side faces and engagingly coupled to the front face or one of the side faces for blocking a gap between the heat exchanger and a housing for receiving the heat exchanger. Also disclosed is a heat exchanger assembly having the heat exchanger disclosed.



No. of Pages: 22 No. of Claims: 20

(22) Date of filing of Application :26/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: A METHOD AND SYSTEM FOR ASSISTING AN OPERATOR

:G06F	(71)Name of Applicant:
:NA	1)ABB TECHNOLOGY LTD.
:NA	Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050,
:NA	ZURICH Switzerland
:NA	(72)Name of Inventor:
:NA	1)APARAJITHAN VAIDYANATHAN
: NA	2)DIVYA SHEEL
:NA	3)RAOUL JETLEY
:NA	4)SRINI RAMASWAMY
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention discloses a method of assisting a first operator in performing an engineering activity on an engineering application, using the operator assistance tool. The method comprises monitoring the engineering application for a change in state, determining a plurality of topics for display on an operator workstation associated with the first operator, receiving a topic of interest, querying a data repository for one or more tutorials associated with the query-state and the topic of interest, and transmitting one or more tutorials to the operator workstation associated with the first operator.

No. of Pages: 18 No. of Claims: 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4820/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

### (54) Title of the invention: HIGH VOLTAGE LITHIUM SECONDARY BATTERY

(51) International :H01M10/0565,H01M10/052,H01M4/525 classification

(31) Priority Document

:1020130009336

:28/01/2013 (32) Priority Date

(33) Name of priority

country

:Republic of Korea

(86) International Application No

:PCT/KR2014/000796

:28/01/2014

Filing Date

(87) International

:WO 2014/116084 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)LG CHEM LTD.

Address of Applicant: 128 Yeoui daero Yeongdeungpo gu

Seoul 150 721 Republic of Korea

(72)Name of Inventor:

1)YU Sung Hoon

2)YANG Doo Kyung

3)SHIN Sun Sik

4)OH Song Taek

5)KANG Yoo Sun

6)LEE Kyung Mi

7)PARK Jin Hyun

8)SUK Jung Don

### (57) Abstract:

Provided is a lithium secondary battery and a method for manufacturing same and the lithium secondary battery comprises: a positive pole; a negative pole; a separator; and a gel polymer electrolyte wherein the gel polymer electrolyte comprises an acrylate polymer and charge voltage of the battery is within the range of 4.3V to 5.0V. A high voltage lithium secondary battery according to the present invention has superior capacity properties at high voltages at or above 4.3V.

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

(21) Application No.4767/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/06/2014 (43) Publication Date: 05/02/2016

## (54) Title of the invention: EXPOSURE PREVENTION COVER EXPOSURE PREVENTION COVER MODULE PROVIDED WITH SAME DRUG SOLUTION SUPPLY SYSTEM AND DRUG SOLUTION SUPPLY METHOD

(51) International classification :A61J1/10,A61J3/00,B65D33/14 (71)Name of Applicant:

(31) Priority Document No :2011290435 (32) Priority Date :29/12/2011

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/083654

Filing Date :26/12/2012

(87) International Publication No: WO 2013/099946

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)OTSUKA PHARMACEUTICAL FACTORY INC.

Address of Applicant: 115 Aza Kuguhara Tateiwa Muya cho

Naruto shi Tokushima 7728601 Japan

2)OTSUKA TECHNO CORPORATION

(72)Name of Inventor: 1)INOUE Fujio 2)SHIGA Junya 3)NISHIOKA Masaki 4)TAKIGUCHI Osamu 5)HAMAI Katsuyoshi

(57) Abstract:

[Problem] The invention provides: an exposure prevention cover that prevents exposure of a drug solution drug product etc.; an exposure prevention cover module provided with same; a drug solution supply system; and a drug solution supply method. [Solution] An exposure prevention cover for housing a drug solution container that accommodates a drug solution and has a connection port capable of dispensing the drug solution is provided with: a main cover body that houses the drug solution container and has an opening which opens to the outside and is for receiving the drug solution container; a closure part that closes the opening; a holder that holds the drug solution container housed in the main cover body inside the main cover body; a connecting part that is installed on the main cover body is capable of connecting to the dispensing port of the drug solution container and is capable of dispensing the drug solution in the drug solution container outside of the main cover body; and a suspending part that is provided on the main cover body and suspends the main cover body.

No. of Pages: 63 No. of Claims: 32

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: SLIDING MEMBER AND MANUFACTURING METHOD THEREFOR

(51) International classification :F16C17/04,F04C18/02,F16C33/20

(31) Priority Document No :2011281751 (32) Priority Date :22/12/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/079741

No :16/11/2012

Filing Date .10/11/2012

(87) International Publication :WO 2013/094351

(61) Patent of Addition to

Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA:

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)TAIHO KOGYO CO. LTD.

Address of Applicant :65 Midorigaoka 3 chome Toyota shi

Aichi 4718502 Japan (72)Name of Inventor: 1)NOMURA Satoshi 2)KANEMITSU Hiroshi 3)HATTA Masaharu

4)MASAMURA Takao

A thrust bearing (1) is equipped with a resin coating (12) applied to the surface of a base material (11). Lattice shaped discharge grooves (13) are formed in the surface of the thrust bearing (1) and planar protrusions (14) having a square shape or the like are formed at the adjacent positions thereof. Each corner part (14A) of each planar protrusion (14) is chamfered to a rounded shape. The surfaces of the planar protrusions (14) form a sliding surface (1B) that slides with respect to a counterpart member. Contaminants (16) such as wear particles that have infiltrated between the counterpart member and the sliding surface (1B) fall into the discharge grooves (13) and then are discharged outside of the sliding surface (1B). The chamfering of each corner part (14A) to a rounded shape prevents

(13) and then are discharged outside of the sliding surface (1B). The chamfering of each corner part (14A) to a rounded shape prev the contaminants (16) from accumulating in the discharge grooves (13) thus preventing the contaminants (16) from biting into the planar protrusions (14) (the sliding surface (1B)).

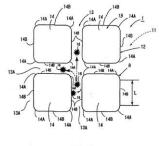


FIG. 2

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

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A METHOD AND A SYSTEM FOR GENERATING A REPORT WITH USER-ADDED MEASURES FROM A DATA STORE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES INDIA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :No.23, Level 3 & 4, Leela Galleria,
(33) Name of priority country	:NA	Airport Road, Bangalore-560017, Karnataka, India Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GUIN, Subhadeep
(61) Patent of Addition to Application Number	:NA	2)K, Abdun Nabi S
Filing Date	:NA	3)ZHOU, Guangcheng
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present disclosure provide a method and a system for generating a report with user-added measures from a data store. In an embodiment, the method of the present disclosure receiving an existing report model and one or more user-added measures along with associated data from a computing device, wherein the data associated to the one or more user-added measure is stored dynamically in a temporary storage. The method comprises creating a query based on the existing report model and then updating the query by including the one or more user-added measures to the query. Finally, the method generates a report in response to the updated query by retrieving result data from the data store and the temporary storage.



FIG. 5

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

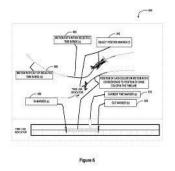
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR GENERATING A VISUAL REPRESENTATION OF OBJECT TIMELINES IN A MULTIMEDIA USER INTERFACE

		(71)Name of Applicant:
(51) International classification	:h04n	
(31) Priority Document No	:NA	PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :# 2870, ORION Building, Bagmane
(33) Name of priority country	:NA	Constellation Business Park, Outer Ring Road, Doddanakundi
(86) International Application No		Circle, Marathahalli Post, Bangalore -560037, Karnataka, India
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NEYYAN, Biju Mathew
Filing Date	:NA	2)VANKA, Jaya Prakash
(62) Divisional to Application Number	:NA	3)KRISHNAN, Praveen
Filing Date	:NA	4)THARAYIL, Ranjith
-		5)GANAPATI BANNE, Abhinandan

### (57) Abstract:

ABSTRACT METHOD AND APPARTUS FOR GENERATING A VISUAL REPRESENTATION OF OBJECT TIMELINES IN A MULTIMEDIA USER INTERFACE The present invention provides a method and apparatus for generating a visual representation of object timelines in a multimedia user interface by showing time information, associated with a moving object that needs to be displayed, directly over its motion path by assigning and displaying color-values on its time-line and displaying corresponding colors on the motion-path. The method comprises the steps of presenting an object via a display operatively coupled with an electronic device, presenting a first visual indicator that relates time information associated with a motion of the object with a motion path of the object and presenting a timeline associated with the time information. Here a visual property of the first visual indicator matches a visual property of the second visual indicator in relation with the time information. FIGURE 6



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

(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : POWER TRANSFER MECHANISM FOR 4WD VEHICLES WITH LOW EFFORT MODE SHIFT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16H :14/279,666 :16/05/2014 :U.S.A. :NA :NA :NA :NA :NA	, - , - , - , - , - , - , - , - , - , -
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#### (57) Abstract:

A power transfer mechanism for a four-wheel drive vehicle includes a first shaft for transferring torque to a first driveline, a second shaft for transferring torque to a second driveline, and a transfer mechanism driving the second shaft. A mode clutch drivingly connects the first shaft to the transfer mechanism and includes a clutch gear-driven by the transfer mechanism and a mode sleeve. A sprocket associated with the transfer mechanism has internal spline teeth meshed with external spline teeth on the second shaft with a predetermined amount of backlash therebetween. A ball cam mechanism centers the backlash and permits relative rotation of the transfer mechanism and the mode sleeve to circumvent a blocked mode shift.

No. of Pages: 48 No. of Claims: 16

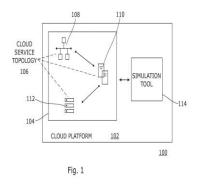
(22) Date of filing of Application :27/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: TESTING A CLOUD SERVICE COMPONENT ON A CLOUD PLATFORM

:G06F	(71)Name of Applicant :
:NA	1)HEWLETT-PACKARD DEVELOPMENT COMPANY,
:NA	L.P.
:NA	Address of Applicant :11445 Compaq Center Drive West,
:NA	Houston, Texas 77070, United States of America U.S.A.
:NA	(72)Name of Inventor:
: NA	1)ALEX DOMINIC SAVIO
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

Some examples described herein relate to testing of a cloud service component on a cloud platform. A simulation tool may be configured on the cloud platform. The simulation tool may be used to test the cloud service component upon inclusion of said cloud service component in a cloud service topology created on the cloud platform. FIG. 1



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

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: WATER HYACINTH PLANT REMOVING 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01G :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)N.R. KARTHIK Address of Applicant: DEPARTMENT OF MECHANICAL ENGINERING, SRI RAMAKRISHNA ENGINEERING COLLEGE, VATTAMALAIPALAYAM, COIMBATORE - 641 022 Tamil Nadu India 2)K. HARI KRISHNAN 3)S. KALANDAR MOHAMED SHERIFF 4)T. MURUGAN (72)Name of Inventor: 1)N.R. KARTHIK 2)K. HARI KRISHNAN 3)S. KALANDAR MOHAMED SHERIFF 4)T. MURUGAN
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#### (57) Abstract:

In olden days water hyacinth plants are used for gardening, decorating purpose. But they slowly started to reach all over the world and now have become one of the biggest threats to the water bodies. It seems to be dangerous to the environment as they disturb the aquatic life and also changes the water unfit for human use. The oxygen depletion and increase in carbon dioxide in water causes the death of fishes. In India, water hyacinth is removed manually and it takes high labor to remove it. We propose a machine that can easily cut and collect these plants for disposal. This machine could be made as a separate system or could be used as an attachment on boats. The setup consists of a floating body over which the blades, conveyors, collecting tray are placed. When the system is near the hyacinth plants, rotating blades automatically pulls it into it and cuts it, crushes it and disposes it on the conveyor. The conveyor transports the crushed hyacinth plants into the collecting tray or container which has perforations through which the water hanging on to the plants can drain over time. The blades and the conveyor are power by the same motor by drive mechanisms.

No. of Pages: 10 No. of Claims: 2

(22) Date of filing of Application :26/06/2014

(43) Publication Date: 05/02/2016

### (54) Title of the invention: THIAZOLYL OR THIADIAZOLYL SUBSTITUTED PYRIDYL COMPOUNDS USEFUL AS KINASE **INHIBITORS**

(51) International

:C07D417/04,C07D417/14,A61K31/4439 classification

(31) Priority Document

:61/586148

(32) Priority Date (33) Name of priority :13/01/2012 :U.S.A.

country

(86) International

:PCT/US2013/021134

Application No Filing Date

:11/01/2013

(87) International

:WO 2013/106641

**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)BRISTOL MYERS SOUIBB COMPANY

Address of Applicant :P.O. Box 4000 Route 206 and ProvinceLine Road Princeton New Jersey 08543 4000 U.S.A.

(72) Name of Inventor:

1)PAIDI Venkatram Reddy

2)KUMAR Sreekantha Ratna

3)NAIR Satheesh Kesavan

4)BANERJEE Abhisek

5)SISTLA Ramesh

6)PITTS William J.

7)HYNES John

## (57) Abstract:

Compounds having the following formula (I) or an enantiomer diastereomer or a pharmaceutically acceptable salt thereof wherein X is N or C R are useful as kinase modulators including IRAK 4 modulation.

$$R \xrightarrow{X-N} R^4 \xrightarrow{N^2} R^3$$
 $(R^6)_m$ 
 $R^2$ 
 $R \xrightarrow{N^2} R^2$ 
 $R \xrightarrow{R^4} R^3$ 
 $R \xrightarrow{R^4} R^6$ 
 $R \xrightarrow{R^4} R^6$ 

No. of Pages: 196 No. of Claims: 15

(22) Date of filing of Application :27/06/2014

(43) Publication Date: 05/02/2016

# (54) Title of the invention : CAPTIVE PORTAL STATE DETECTION AND AVOIDANCE FOR MULTIPLE INTERFACE TRAFFIC OFFLOADING

(51) International :H04W48/02,H04W12/06,H04W36/14

(31) Priority Document No :13/330498 (32) Priority Date :19/12/2011

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

country (86) International

Application No :PCT/US2012/069985

Filing Date :17/12/2012

(87) International Publication No :WO 2013/096146

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

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

Address of Applicant :1601 Willow Road Menlo Park CA

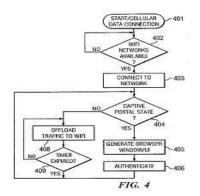
94025 U.S.A.

(72)Name of Inventor:1)POTRA Adrian2)TALWAR Mohit

### (57) Abstract:

Filing Date

In one embodiment a mobile device connecting to a Wi Fi hotspot first performs a connectivity check to determine whether the wireless connection is trapped in the walled garden of a captive portal by transmitting a connectivity check message to one or more external endpoints in the public IP network. If no response is received the mobile device determines that it is in the captive portal state and generates a browser window bound to the Wi Fi state tracker of the mobile device displaying the portal page for the captive portal. In such a manner the mobile device does not offload any traffic from its wireless cellular interface to its Wi Fi interface until it is certain the Wi Fi interface may access the public IP network thereby preventing data interruption for mobile applications.



No. of Pages: 41 No. of Claims: 20

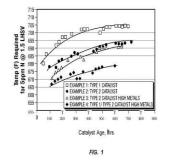
(22) Date of filing of Application :12/12/2013 (43) Publication Date : 05/02/2016

# (54) Title of the invention : A HYDROPROCESSING CATALYST AND METHODS OF MAKING AND USING SUCH A CATALYST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B01J27/188 :61/499918 :22/06/2011 :U.S.A. :PCT/US2012/043247 :20/06/2012 :WO 2012/177696 :NA	(71)Name of Applicant: 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Address of Applicant: Carel van Bylandtlaan 30 NL 2596 The Hague Netherlands (72)Name of Inventor: 1)SMEGAL John Anthony
• /	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of preparing a hydroprocessing catalyst that may have a high metals loading and has a particularly high activity for hydrodenitrogenation. The method uses several metal impregnations in combination with different intermediate treatment steps so as to provide a catalyst composition that includes a mix of different types of catalytically active sites. The method of the invention allows for the optimization and control of the relative ratio of the different types of active catalyst sites on the catalyst composition in order to give certain desired results and improved catalytic performance. The catalyst composition comprises a one or more active metals or active metal precursors that are incorporated onto a support material.



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

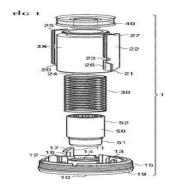
(22) Date of filing of Application :24/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ARRANGEMENT FOR A DRUG DELIVERY DEVICE AND METHOD OF ASSEMBLING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:A61M15/00 :11194966.5 :21/12/2011 :EPO :PCT/EP2012/075623 :14/12/2012 :WO 2013/092437 :NA :NA	(71)Name of Applicant: 1)SANOFI SA Address of Applicant: 3 route de Montfleury CH 1214 Vernier Switzerland (72)Name of Inventor: 1)MAYER Stefan
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An arrangement (1) for a drug delivery device (80) and a method of assembling the same are provided. The drug delivery device (80) comprises a support (10) a connection part (20) and a spring element (30) wherein the spring element (30) is arranged between the support (10) and the connection part (20) and wherein the support (10) comprises a support connection element (11) and the connection part (20) comprises a part connection element (21) wherein these connection elements are configured to establish a releasable connection to releasably connect the support (10) and the connection part (20).



No. of Pages: 32 No. of Claims: 14

(22) Date of filing of Application :24/06/2014

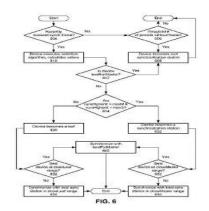
(43) Publication Date: 05/02/2016

# (54) Title of the invention : SELECTION OF SYNCHRONIZATION STATIONS IN A PEER TO PEER NETWORK ENVIRONMENT

(51) International classification	:H04L29/08	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:61/586664	1)APPLE INC.
(32) Priority Date	:13/01/2012	Address of Applicant :1 Infinite Loop Cupertino CA 95014
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/021236	(72)Name of Inventor:
Filing Date	:11/01/2013	1)STACEY Robert J.
(87) International Publication No	:WO 2013/106711	2)VANDWALLE Pierre B.
(61) Patent of Addition to Application	:NA	3)HARTMAN Christiaan A.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
2 2 4.00		

#### (57) Abstract:

System apparatus and method for selecting one or more synchronization stations or masters in a peer to peer communication environment. Synchronization (or sync) stations broadcast periodic synchronization frames to advertise future availability windows during which devices rendezvous for discovery and communication. Devices that can act as sync stations advertise preference values which indicate their preference or suitability for the role. All devices execute the same algorithm to sort the preference values and identify a root sync station and any number of branch sync stations; leaf devices synchronize with the root or a branch sync station. This passive synchronization scheme allows individual devices to conserve power because they need not actively discover other devices and services and can power off their radios for periods of time without sacrificing discoverability. Synchronization and peer to peer communication as provided herein coexist with other device demands such as Bluetooth® operations and infrastructure based communications.



No. of Pages: 80 No. of Claims: 23

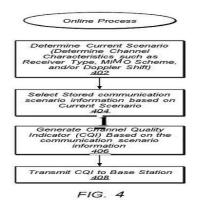
(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : ADAPTIVE GENERATION OF CHANNEL QUALITY INDICATORS (CQIS) BASED ON A CURRENT COMMUNICATION SCENARIO

(51) International classification :H04B7/06,H04L1/00,H04W72/12 | (71) Name of Applicant : (31) Priority Document No :61/616719 1)APPLE INC. (32) Priority Date :28/03/2012 Address of Applicant: 1 Infinite Loop Cupertino California (33) Name of priority country :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/033525 1)JI Zhu :22/03/2013 Filing Date 2)DAMJI Navid (87) International Publication 3)SEBENI Johnson O. :WO 2013/148514 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Adaptive generation of channel quality indicators based on a current communication scenario. A plurality of sets of channel quality indicator information may be stored for each of a plurality of UE communication scenarios. The information may be usable in generating a channel quality indicator. During operation of the UE a current communication scenario of the UE may be determined. A first set of channel quality indicator information may be selected based on the determined current communication scenario being experienced by the UE. At least one channel quality indicator may be determined based on the selected first set of channel quality indicator information. Finally the channel quality indicator may be provided to a base station.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4937/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: PI3K INHIBITORS FOR TREATING FIBROTIC DISEASES

(51) International classification :A61K31/501,A61K31/5377,A61P43/00

(31) Priority Document :61/595293

No

(32) Priority Date :06/02/2012 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/EP2013/052112

Filing Date :04/02/2013

(87) International Publication No :WO 2013/117503

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

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

(71)Name of Applicant:

1)GLAXOSMITHKLINE INTELLECTUAL PROPERTY

(NO. 2) LIMITED

Address of Applicant :980 Great West Road Brentford

Middlesex TW8 9GS U.K. (72)Name of Inventor:

1)WOOSTER Richard Francis

2)LUKEY Pauline Teresa

3)VALLANCE Patrick John Thompson

### (57) Abstract:

The present invention is directed to compounds or pharmaceutically acceptable salts thereof for use in the treatment of fibrotic diseases such as idiopathic pulmonary fibrosis (IPF).

No. of Pages: 44 No. of Claims: 6

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: FUEL INJECTION CONTROL DEVICE

(51) International :F02D41/20,F02D19/06,F02D41/22 classification

:WO 2013/108831

(31) Priority Document No :2012008945 (32) Priority Date :19/01/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/050783

:17/01/2013

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

(57) Abstract:

(71)Name of Applicant:

1)KEIHIN CORPORATION

Address of Applicant :26 2 Nishishinjuku 1 chome Shinjuku

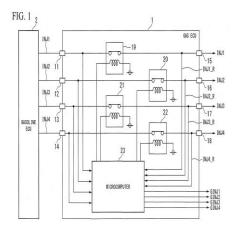
ku Tokyo 1630539 Japan (72) Name of Inventor: 1)SHIMATSU Takavuki

2)MURANO Wataru 3)KURIYAGAWA Yohei

4)KATO Masaki

Provided is a fuel injection control device in which a first pulse signal for driving a liquid fuel injection valve said first pulse signal being input from the outside is converted into a second pulse signal for driving a gaseous fuel injection valve. The fuel injection control device comprises: a normally on switch that is interposed between wiring connecting the external input terminal and the external output terminal for the first pulse signal; and a signal processing unit that converts the first pulse signal that is inputted via the

external input terminal during gaseous fuel injection into the second pulse signal and controls so that the switch is turned off.



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

(22) Date of filing of Application :25/06/2014 (43) Publication Date: 05/02/2016

### (54) Title of the invention: WET SCRUBBER FOR CLEANING OF POLLUTED GAS SUCH AS FLUE GAS

(51) International :B01D47/06,B01D47/08,B01D53/14 classification

(31) Priority Document No :12151372.5 (32) Priority Date :17/01/2012

(33) Name of priority country: EPO

(86) International :PCT/EP2013/050834

Application No :17/01/2013

Filing Date

(87) International Publication :WO 2013/107816 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)PURETEQ A/S

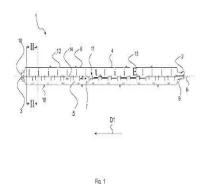
Address of Applicant: Norgesvei 13 Tved DK 5700 Svendborg

Denmark

(72) Name of Inventor: 1)SÃ~GAARD Dennis

## (57) Abstract:

Wet scrubber for cleaning flue gas said wet scrubber comprising. The wet scrubber comprises a first end and a second end. Furthermore it comprises an annular wall extending between the first end and the second end so as to form a chamber having a longitudinal axis said annular wall and said ends having an inner surface and an outer surface where said chamber comprises an inlet opening and an outlet opening said openings being in fluid communication and defining a downstream direction from the inlet opening to the outlet opening. Furthermore the wet scrubber comprises a liquid distribution system comprising at least one liquid exit aperture for distributing a liquid film on the inner surface of the chamber. Finally the wet scrubber further comprises means arranged to rotate the liquid film on the inner surface of the annular wall relative to the annular wall.



No. of Pages: 38 No. of Claims: 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4938/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 05/02/2016

## (54) Title of the invention: VACCINE FOR FALCIPARUM MALARIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A61K39/015 :61/566365 :02/12/2011 :U.S.A. :PCT/US2012/067404 :30/11/2012 :WO 2013/082500 :NA :NA	(71)Name of Applicant:  1)RHODE ISLAND HOSPITAL  Address of Applicant: 593 Eddy Street Providence RI 02903 U.S.A. (72)Name of Inventor:  1)KURTIS Jonathan  2)NIXON Christian Parcher 3)RAJ Dipak Kumar 4)FRIEDMAN Jennifer Frances 5)FRIED Michal
(61) Patent of Addition to Application	:NA	3)RAJ Dipak Kumar
(62) Divisional to Application Number Filing Date	:NA :NA	6)DUFFY Patrick Emmet

(57) Abstract:

The invention provides compositions and methods for preventing or reducing the severity of malaria.

No. of Pages: 119 No. of Claims: 23

(22) Date of filing of Application :23/06/2014

:NA

(43) Publication Date: 05/02/2016

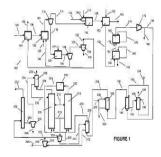
# (54) Title of the invention : PROCESSES FOR THE CONVERSION OF BIOMASS TO OXYGENATED ORGANIC COMPOUND APPARATUS THEREFORE AND COMPOSITIONS PRODUCED THEREBY

:C12P7/10,C12P1/00,C10L3/02 | (71)Name of Applicant : (51) International classification (31) Priority Document No 1)COSKATA INC. :13/304902 (32) Priority Date :28/11/2011 Address of Applicant: 4575 Weaver Parkway Suite 150 (33) Name of priority country Warrenville Illinois 60555 U.S.A. :U.S.A. (86) International Application No: PCT/US2012/063669 (72) Name of Inventor: Filing Date :06/11/2012 1)TOBEY Richard E. (87) International Publication No :WO 2013/081779 2)DU Jianxin (61) Patent of Addition to 3)CORLEY Ralph :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

Processes are disclosed for the conversion of biomass to oxygenated organic compound using a simplified syngas cleanup operation that is cost effective and protects the fermentation operation. The processes of this invention treat the crude syngas from the gasifier by non catalytic partial oxidation. The partial oxidation reduces the hydrocarbon content of the syngas such as methane ethylene and acetylene to provide advantageous gas feeds for anaerobic fermentations to produce oxygenated organic compounds such as ethanol propanol and butanol. Additionally the partial oxidation facilitates any additional cleanup of the syngas as may be required for the anaerobic fermentation. Producer gases and partial oxidation processes are also disclosed.



No. of Pages: 50 No. of Claims: 20

(22) Date of filing of Application :18/12/2012

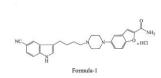
(43) Publication Date: 05/02/2016

# $(54) \ Title \ of the invention: NOVEL\ POLYMORPH\ OF\ 5-[4-[4-(-CYABI-1H-INDOL-3-YL)BUTYL]-1-PIPERAZINYL]-2-BENZOFURAN\ CARBOXAMIDE\ HYDROCHLORIDE$

(51) International classification	:C07D307/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SRINIVASAN THIRUMALAI RAJAN
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)SUNKARA VISHNUVARDHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to novel crystalline form of antidepressant drug i.e., 5-[4-[4-(5-cyano-1 H-indol-3-yl)butyl]-1 - piperazinyl]-2-benzofuran carboxamide hydrochloride compound of formula-1 represented by the following structural formula-1 and process for its preparation.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2244/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: MOBILE COMMUNICATION TERMINAL AND WIRELESS ACCESS NETWORK DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W48/16 :2013-006223 :17/01/2013 :Japan :PCT/JP2014/050771 :17/01/2014 :WO 2014/112578 :NA :NA :NA	(71)Name of Applicant:  1)NTT DOCOMO, INC.  Address of Applicant:11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 1006150 JAPAN (72)Name of Inventor:  1)MOON, Sung Uk 2)UEKI, Atsushi 3)FUJIMURA, Kota 4)TANIKAWA, Hiroaki
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#### (57) Abstract:

The present invention shortens a service suspension state while suppressing increases in power consumption. This mobile communication terminal UE is equipped with a control unit (11) that if failing N times consecutively to send an "RRC Connection Request" to a cell A in which the terminal is present adds the cell A to a rejection cell list and performs a cell search. The control unit (11) is configured so that when performing a cell search the cell A included in the rejection cell list is excluded from the cells that are subject to selection.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/07/2015

(21) Application No.2245/KOLNP/2015 A

(43) Publication Date: 05/02/2016

## (54) Title of the invention: TURNSTILE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:E06B11/08 :MI2012A002116 :12/12/2012 :Italy :PCT/IB2013/060277 :20/11/2013 :WO 2014/091338 :NA :NA :NA	(71)Name of Applicant:  1)GUNNEBO ENTRANCE CONTROL LTD. Address of Applicant: Bellbrook Business Park, Uckfield, TN22 1QQ East Sussex UNITED KINGDON (72)Name of Inventor: 1)BATES, Stephen John
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#### (57) Abstract:

The invention relates to a full height turnstile (10) comprising a cage structure (20) and a rotor (30) rotatably restrained thereto said rotor (30) comprising a substantially vertical axle (31) and a plurality of arms (32 33 34) extending perpendicularly thereto in different radial directions wherein said arms (32 33 34) are mutually spaced along said axle (31) and are grouped on a plurality of radial planes angularly spaced from one another. The axle (31) of the rotor (30) comprises a plurality of modular consecutive sectors (36 37 38) that are mountable with each other whereby different amounts of modular sectors allow to make turnstiles of different heights and the arms (32 33 34) are arranged between consecutive sectors which perform the functions of spacers between the arms (32 33 34).

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

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EMS DECISION SUPPORT INTERFACE, EVENT HISTORY, AND RELATED TOOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G06Q50/00 :61/751,743 :11/01/2013 :U.S.A. :PCT/US2014/010906 :09/01/2014 :WO 2014/110280 :NA :NA :NA	(71)Name of Applicant:  1)ZOLL MEDICAL CORPORATION Address of Applicant: 269 Mill Road, Chelmsford, Massachusetts 01824 UNITED STATES OF AMERICA (72)Name of Inventor: 1)FREEMAN, Gary A. 2)SILVER, Annemarie Elizabeth
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#### (57) Abstract:

Embodiments of the present invention include systems and methods for display and navigation of a clinical decision support process with portions thereof on separate display screens as well as systems and methods for dynamically changing visual characteristics of softkeys on a patient monitor / defibrillator user interface screen based on clinical decision support or differential diagnosis processes as well as a code review interface configured to permit a user to see what was displayed on a patient monitor / defibrillator user interface screen at any time during a medical event as well as to see snapshots of other recorded parameters over the course of the medical event for purposes of code review patient transfer and improved patient care.

No. of Pages: 83 No. of Claims: 50

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: EVENT REMINDING METHOD APPARATUS 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</li> </ul>		(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
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:24/07/2014 :WO 2015/143805 :NA :NA :NA :NA	(72)Name of Inventor: 1)QI Dongjie 2)KANG Shangmingxue 3)WANG Fang

## (57) Abstract:

The disclosure relates to the technical field of Internet. Disclosed are an event reminding method apparatus and system. The event reminding method comprises: obtaining a reminding event in an alarm clock channel the alarm clock channel being used for providing an event reminding service to at least two clients at the same time; obtaining a subscription list of the alarm clock channel the subscription list comprising clients subscribing to the alarm clock channel; and sending the reminding event to the clients in the subscription list the reminding event being used for instructing the clients to give event reminders according to the reminding event. The problem in the related art is solved that a user delays processing a related event or forgets to process the related event because the user may not receive a timely alarm clock reminder thereby achieving the effect that the user can receive a timely alarm clock reminder and further the phenomenon is avoided that the user delays an event or forgets the event.

No. of Pages: 71 No. of Claims: 33

(21) Application No.2263/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR BUILDING A USER PROFILE FOR PERSONALIZATION USING INTERACTION DATA

(51) International :G06F15/16,G06F15/18,G06F17/30 classification

(31) Priority Document No :61/755,868 (32) Priority Date :23/01/2013

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

(86) International Application :PCT/US2014/012760 No

:23/01/2014 Filing Date

(87) International Publication :WO 2014/116835

(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)24/7 CUSTOMER, INC.

Address of Applicant :910 E. Hamilton Ave., Suite 240, Campbell, CA 95008 UNITED STATES OF AMERICA.

(72) Name of Inventor:

1)KANNAN, Pallipuram, V. 2) VIJAYARAGHAVAN, Ravi 3) ADUSUMILLI, Kranthi, Mitra

### (57) Abstract:

A user profile is creates and personalization is provided by compiling interaction data. The interaction data is compiled to generate a value index or score from a user model. Parameterized data is used to build tools which help decide an engagement strategy and modes of engagement with a user. Several facets relating to the user such as user behavior user interests products bought intent chat language and so on are compiled to create a user profile based personalization technique. In another embodiment a unique ID is provided that can be mapped across multiple channels for use by the user to contact various organizations across multiple channels and thus upgrade the user s experience.

No. of Pages: 58 No. of Claims: 32

(21) Application No.2264/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SERVICE DISCONNECT INTERLOCK SYSTEM AND METHOD FOR HYBRID VEHICLES

(51) International :B60W50/02,B60W50/04,B60W20/00

classification .Boow 30/02,Boow 30/04,Boov

(31) Priority Document No :61/788,367 (32) Priority Date :15/03/2013 (33) Name of priority :U.S.A.

country :U.S.A

(86) International :PCT/US2014/017964

Application No Filing Date :24/02/2014

(87) International Publication No :WO 2014/149386

(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)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN 46222 UNITED STATES OF AMERICA.

(72)Name of Inventor: 1)HYNES, William, J.

2)MOREY Steven

# (57) Abstract:

A method of servicing a hybrid system is disclosed wherein the hybrid system includes a detected fault. As a result of the detected fault the hybrid system has been disabled. The hybrid system includes a controller and a service detection interlock (SDI). The method steps include first powering up the controller and then assessing a special fault flag status. If a special fault flag is set the next step is to check to see if the SDI is removed. If the SDI is removed then the special fault flag is cleared while the hybrid system remains disabled. The controller is then powered down with the key off input and with the next key on input the hybrid system can be enabled.

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

(21) Application No.2265/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SHOT TREATMENT DEVICE

(51) International classification	:B24C3/14,B24C7/00	(71)Name of Applicant:
(31) Priority Document No	:2013-015672	1)SINTOKOGIO, LTD.
(32) Priority Date	:30/01/2013	Address of Applicant :11-11, Nishiki 1-chome, Naka-ku,
(33) Name of priority country	:Japan	Nagoya-shi, Aichi 4600003 JAPAN
(86) International Application No	:PCT/JP2013/082973	(72)Name of Inventor:
Filing Date	:09/12/2013	1)YAMAMOTO, Masatoshi
(87) International Publication No	:WO 2014/119136	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

To provide a shot treatment device capable of treating an entire surface of a large workpiece. [Solution] A workpiece (W) is suspended by way of a suspending unit and the suspending unit is moved linearly along a transport line for the workpiece (W) by way of a linear movement mechanism. When the workpiece (W) is conveyed into a first blasting chamber (16) the surface thereof is treated by way of projections from centrifugal projectors (42A 42L). A plurality of centrifugal projectors (42A 42L) are disposed so that center lines in the projection direction each intersect from an angle on the front side in the transport direction in the plan view an angle on the left side in the transport direction in the plan view an angle on the right side in the transport direction in the plan view an angle on the side view and an angle on the bottom side in the side view.

No. of Pages: 101 No. of Claims: 7

(12) I ATENI ALI LICATION I OBLICATION

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

(54) Title of the invention: DRILL

<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>	:B23B51/06 :NA :NA :NA :PCT/JP2013/051875 :29/01/2013 :WO 2014/118881 :NA :NA :NA	(71)Name of Applicant:  1)OSG CORPORATION Address of Applicant: 22, Honnogahara 3-chome, Toyokawashi, Aichi 4420005 JAPAN (72)Name of Inventor: 1)TAKAI Kazuteru
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(21) Application No.2266/KOLNP/2015 A

#### (57) Abstract:

(19) INDIA

Provided is a drill such that a sufficient amount of cutting liquid fed through a cutting liquid feeding hole is ensured without lowering the rigidity of the drill and without increasing the cutting liquid feeding pressure. The cutting liquid feeding hole (22) which is formed within a fluted portion (16) has a fan shaped cross section which is enclosed by: a forward side inner wall (FH) located forward relative to the direction of rotation (RT) of the drill (10) and along a radial direction thereof; a rearward side inner wall (RH) located rearward relative to the direction of rotation (RT) of the drill (10) and along a radial direction thereof and facing the forward side inner wall (FH) in a circumferential direction; an outer circumference side inner wall (OH) which is formed from a partial cylindrical surface centered on the central line (C) of the drill (10); and an inner circumference side inner wall (IH) which is formed from a partial cylindrical surface which is centered on the central line (C) of the drill (10) and has a curvature radius (R2) smaller than the curvature radius (R1) of the outer circumference side inner wall (OH) said inner circumference side inner wall (IH) facing the outer circumference side inner wall (OH) in a radial direction. Since the cutting liquid feeding hole (22) has the abovementioned fan shaped cross section sufficient web thickness can be ensured while the speed of the cutting liquid inside the cutting liquid feeding hole (22) can be increased without having to increase the cutting liquid feeding pressure thereby increasing the amount of cutting liquid feed.

No. of Pages: 34 No. of Claims: 4

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEVICES AND METHODS IN A HETEROGENEOUS 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>	:H04L5/00,H04L25/02 :61/754404 :18/01/2013 :U.S.A. :PCT/SE2014/050007 :07/01/2014 :WO 2014/112928 :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)WANG Yi Pin Eric 2)NAMMI Sairamesh 3)KARLSSON Patrik 4)OVESJÖ Fredrik
11		4)OVESJO Fredrik
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method in a network node for transmitting data in a heterogeneous network cellular communication system comprises transmitting of a SFN pilot signal (262). A SFN pilot signal is a pilot signal transmitted by all radio units of a heterogeneous network cell. Optionally configuration information about non SFN pilot signals in a cell of the network node is transmitted (260). Non SFN pilot signals are pilot signals transmitted by less than all radio units of a heterogeneous network cell. The non SFN pilot signal is transmitted (264). A control channel signal is transmitted (270) on a control channel and a data channel signal associated with the transmitted control channel signal is transmitted (280) on a data channel. A network node operable therefore is also presented. A method for receiving data in a heterogeneous network cellular communication system and a wireless device operable therefore are also presented.

No. of Pages: 61 No. of Claims: 29

(21) Application No.2257/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: WIRELESS DEVICES NETWORK NODE AND METHODS FOR HANDLING RELAY ASSISTANCE IN A WIRELESS COMMUNICATIONS NETWORK

(51) International classification :H04W88/04,H04W76/02 (71)Name of Applicant : (31) Priority Document No

:61/739048 (32) Priority Date :19/12/2012

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

(86) International Application No :PCT/SE2013/050370 Filing Date :04/04/2013

(87) International Publication No :WO 2014/098702

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

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

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)FODOR Gabor

2)SKILLERMARK Per

3)FALLGREN Mikael

### (57) Abstract:

A method in a second wireless device for handling relay assistance from a first wireless device in a wireless network is provided. The second wireless device sends (202) a first beacon signal to the first wireless device which first beacon signal advertises that the second wireless device needs relay assistance in a radio communication and/or the second wireless device receives (203) a second beacon signal from the first wireless device which second beacon signal advertises that the first wireless device provides relay assistance in a radio communication in the wireless network. The second wireless device then configures (209) a Device to Device D2D bearer between the first wireless device and the second wireless device based on the first beacon signal and/or the second beacon signal. This enables said communication to be performed via the D2D bearer wherein the first wireless device acts as a relay node.

No. of Pages: 64 No. of Claims: 44

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND MOBILE DEVICE FOR GENERATING A DATA AUTHENTICATION KEY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H04L29/06 :NA :NA :NA :PCT/EP2012/076452 :20/12/2012 :WO 2014/094862 :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)LARMO Anna 2)KERÄNEN Ari 3)LI Daoyuan 4)SUSITAIVAL Riikka
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for generating a data authentication key for allowing data communication over a wireless channel (3) between a first mobile device (1) and a second mobile device (2) comprising: associating said mobile devices (1 2) to each other by means of said key. The invention comprises: allowing a shared physical or mechanical condition (5) to be applied generally simultaneously upon said devices (1 2); detecting in said first mobile device (1) said condition (5); defining in said first mobile device (1) said authentication key based on the detected condition (5); and transmitting said key to said second mobile device (2). The invention also relates to a mobile device (1) configured for generating a data authentication key for allowing data communication over a wireless channel (3) to a further mobile device (2).

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

(21) Application No.2259/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: BAINITIC STEEL FOR ROCK DRILLING COMPONENT

(51) International classification:C22C38/02,C21D9/14,C22C38/44 (71)Name of Applicant:

(31) Priority Document No :12198569.1 (32) Priority Date :20/12/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/076740 No

:16/12/2013 Filing Date

(87) International Publication :WO 2014/095747

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

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

Filing Date

1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden

(72)Name of Inventor: 1)LINDÉN Johan

2) ANTONSSON Tomas

# (57) Abstract:

A bainitic steel comprising in weight% (wt%): C: 0.16 0.23 Si: 0.8 1.0 Mo: 0.67 0.9 Cr: 1.10 1.30 V: 0.18 0.4 Ni: 1.60 2.0 Mn:  $0.65 \, 0.9 \, P = 0.020 \, S = 0.02 \, Cu < 0.20 \, N : 0.005 \, 0.012 \, balance \, Fe \, and \, unavoidable impurities.$ 

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

(21) Application No.2272/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EMERGENCY RELEASE COUPLING

(51) International classification:F16L23/18,F16L29/04,F16L55/10 (71)Name of Applicant: (31) Priority Document No :10 2013 100 485.7 1)VON KEITZ Andreas (32) Priority Date :17/01/2013 Address of Applicant: Schillerstrasse 21 65582 Diez Germany (33) Name of priority country (72) Name of Inventor: :Germany (86) International Application 1)VON KEITZ Andreas :PCT/EP2014/050051 No :03/01/2014 Filing Date (87) International Publication :WO 2014/111279 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Emergency release coupling with contact-tight end flanges (11, 21) on the first and second coupling halves (1; 2). The end flanges have inclined or tapered surfaces (15; 25) and are encircled in the region of these surfaces by annular segments (3) that in turn are pressed against the inclined or tapered surfaces by a pretensioning element (4). Upon excessive tension on the coupling halves (1; 2) the latter are released against the force of the pretensioning element (4).

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TIME DOMAIN LEVEL ADJUSTMENT FOR AUDIO SIGNAL DECODING OR ENCODING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G10L19/00 :13151910.0 :18/01/2013	(71)Name of Applicant: 1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:EPO	Address of Applicant :Hansastraße 27c 80686 München
(86) International Application No	:PCT/EP2014/050171	Germany
Filing Date	:07/01/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/111290	1)SCHREINER Stephan
(61) Patent of Addition to Application	:NA	2)BORSUM Arne
Number	:NA	3)NEUSINGER Matthias
Filing Date	.IVA	4)JANDER Manuel
(62) Divisional to Application Number	:NA	5)LOHWASSER Markus
Filing Date	:NA	6)NEUGEBAUER Bernhard

#### (57) Abstract:

An audio signal decoder (100) for providing a decoded audio signal representation on the basis of an encoded audio signal representation comprises a decoder preprocessing stage (110) for obtaining a plurality of frequency band signals from the encoded audio signal representation, a clipping estimator (120), a level shifter (130), a frequency-to-time-domain converter (140), and a level shift compensator (150). The clipping estimator (120) analyzes the encoded audio signal representation and/or side information relative to a gain of the frequency band signals in order to determine a current level shift factor. The level shifter (130) shifts levels of the frequency band signals according to the level shift factor. The frequency-to-time-domain converter (140) converts the level shifted frequency band signals into a time-domain representation. The level shift compensator (150) acts on the time-domain representation for at least partly compensating a corresponding level shift and for obtaining a substantially compensated time-domain representation.

No. of Pages: 59 No. of Claims: 16

(22) Date of filing of Application :14/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: SMART CARD AND TRANSACTION CONTROL METHOD FOR SMART CARD

(51) International classification: G06Q20/00,G07F7/08,G07F19/00 (71) Name of Applicant:

:19/12/2013

:201210557350.9 (31) Priority Document No (32) Priority Date :20/12/2012

(33) Name of priority country :China

(86) International Application :PCT/CN2013/090011 No

Filing Date

(87) International Publication :WO 2014/094639

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

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

(57) Abstract:

1)TENDYRON CORPORATION

Address of Applicant: 1810 Tower B No.38 Xueging Road

Haidian District Beijing 100083 China

(72) Name of Inventor:

1)LI Dongsheng

Provided are a smart card and a transaction control method for the smart card. The method comprises: a smart card chip (101) receiving a transaction instruction from a card reader (20) via an antenna (102) (S201); parsing the transaction instruction, so as to acquire transaction information (S202); judging whether the transaction information contains information about amount of money or not (S203); if the transaction information contains the information about amount of money, comparing a pre-stored first threshold value with the information about amount of money (S204); if the comparison result indicates that the information about amount of money is less than the first threshold value, executing a transaction operation according to the transaction instruction (S205); if the comparison result indicates that the information about amount of money is greater than or equal to the first threshold value, sending first comparison information to a security chip (103) (S206); the security chip (103) executing a verification operation according to the first comparison information, and sending information that verification has passed to the smart card chip (101) after completing the verification operation (S207); and the smart card chip (101) executing the transaction operation according to the information that verification has passed and the transaction instruction (S208).

No. of Pages: 44 No. of Claims: 24

(21) Application No.2275/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR THE ISOMERISATION OF AN EXO DOUBLE BOND

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C07C45/67,C07C47/21,C07C49/597 :61/763,188	(71)Name of Applicant:  1)FIRMENICH SA  Address of Applicant:1, route des Jeunes, P. O. Box 239, CH-
(32) Priority Date	:11/02/2013	1211 Geneva 8 SWITZERLAND
(33) Name of priority country	:U.S.A.	(72)Name of Inventor: 1)BOSHRA, Ramez
(86) International Application No Filing Date	:PCT/EP2014/052432 :07/02/2014	2)VANHESSCHE, Koenraad 3)ALEXANDER, Anatoly
(87) International Publication No	:WO 2014/122263	
(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 concerns a process for the isomerisation of an exo double bond toward an endo double bond being performed in the presence of a catalyst system comprising palladium (Pd) or platinium (Pt) and molecular hydrogen or a hydrogen source.

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

(21) Application No.2290/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: A COMPOSITION FOR ORGAN STORAGE

(51) International classification	:A01N1/02	(71)Name of Applicant:
(31) Priority Document No	:60/901,844	1)PRESIDENT AND FELLOWS OF HARVARD
(32) Priority Date	:17/02/2007	COLLEGE
(33) Name of priority country	:U.S.A.	Address of Applicant :17 QUINCY STREET, CAMBRIDGE,
(86) International Application No	:PCT/US2008/002170	MA 02138 UNITED STATES OF AMERICA.
Filing Date	:19/02/2008	2)THE UNITED STATES GOVERNMENT AS
(87) International Publication No	: NA	REPRESENTED BY
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA :NA	1)THATTE, HEMANT
Filing Date	.IVA	2)TREANOR, PATRICK
(62) Divisional to Application Number	:3067/KOLNP/2009	3)KHURI, SHUKRI
Filed on	:28/08/2009	4)ROUSOU, LAKI

# (57) Abstract:

Methods and compositions for resuscitating, storing, and preserving functional integrity of organs and tissues. Metabolic function is maintained by sustaining ATP levels, mitochondrial function, cardiomyocyte contractility, prevention of acidosis, inhibition of induction of apoptosis, maintaining ionontrophy and lusiotrophy by regulating calcium, sodium, potassium and chloride ions.

No. of Pages: 60 No. of Claims: 8

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR IMPROVED CARDIAC IMAGING OF SUBJECTS WITH ADVERSE CARDIAC CONDITIONS

#### (57) Abstract:

A system and method for controlling a magnetic resonance imaging (MRI) system to acquire images of a subject having inconsistencies in a cardiac cycle of the subject. The process includes receiving an identification of a predetermined point in a cardiac cycle of the subject and, thereupon, performing a saturation module configured to dephase magnetization within a region of interest (ROI) from before the predetermined point. The process also includes performing an inversion module configured to invert spins within the ROI and acquiring medical imaging data from the subject. A delay is inserted between the performance of the saturation module and the performance of the inversion module, wherein a duration of the delay is configured, with the saturation module, to control evidence in the medical imaging data of inconsistencies in the cardiac cycle of the subject by controlling a magnetization history of tissue in the ROI.

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

(21) Application No.2292/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LIQUID TREATMENT DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:16/01/2014 :WO 2014/111880 :NA :NA :NA	(71)Name of Applicant:  1)ISB WATER  Address of Applicant: 35 rue de Bezons, F-92000 Nanterre FRANCE (72)Name of Inventor:  1)PROFIT, Grégoire 2)PROFIT, Alexandre
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device for treating a liquid containing a dissolved gas, said device comprising: a hydrodynamic reactor capable of generating, by cavitation, bubbles of said gas within said liquid, and a gas separator capable of extracting said bubbles from said liquid.

No. of Pages: 32 No. of Claims: 13

(21) Application No.2293/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LOW TEMPERATURE SYNTHESIS OF RAPAMYCIN DERIVATIVES

(51) International classification :C07D498/00,A01N43/42 (71)Name of Applicant : (31) Priority Document No 1)BIOSENSORS INTERNATIONAL GROUP, LTD. :61/755,388 (32) Priority Date :22/01/2013 Address of Applicant :c/o Biosensors Interventional (33) Name of priority country :U.S.A. Technologies Pte Ltd, Blk 10, Kaki Bukit Avenue 1, #06-01/04, (86) International Application No Singapore 417942 SINGAPORE :PCT/US2014/012398 Filing Date (72) Name of Inventor: :21/01/2014 (87) International Publication No :WO 2014/116611 1)KAYO, MARGARET W. (61) Patent of Addition to Application 2)FORNICOLA, RICHARD S. :NA Number 3)KOVACIK, Ivan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The present invention provides improved processes for obtaining rapamycin derivatives including Biolimus A9.

No. of Pages: 33 No. of Claims: 22

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FABRICATING THIN FILM OPTOELECTRONIC DEVICES WITH ADDED POTASSIUM

:H01L21/36,H01L21/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)FLISOM AG :PCT/IB2012/057605 (32) Priority Date Address of Applicant: Ueberlandstrasse 129 CH 8600 :21/12/2012 (33) Name of priority country **Duebendorf Switzerland** :Argentina (86) International Application No :PCT/IB2013/060981 2)EMPA (72) Name of Inventor: Filing Date :16/12/2013 (87) International Publication No :WO 2014/097112 1)CHIRILA Adrian (61) Patent of Addition to Application 2)BUECHELER Stephan :NA Number 3)PIANEZZI Fabian :NA Filing Date 4)REINHARD Patrick (62) Divisional to Application Number :NA 5)TIWARI Ayodhya Nath Filing Date :NA

#### (57) Abstract:

A method (200) and deposition zone apparatus (300) for fabricating thin-film optoelectronic devices (100), the method comprising: providing a potassium-nondiffusing substrate (110), forming a back-contact layer (120); forming at least one absorber layer (130) made of an ABC chalcogenide material, adding at least two different alkali metals, and forming at least one front-contact layer (150) wherein one of said at least two different alkali metals is potassium and where, following forming said front-contact layer, in the interval of layers (470) from back-contact layer (120), exclusive, to front-contact layer (150), inclusive, the comprised amounts resulting from adding at least two different alkali metals are, for potassium, in the range of 500 to 10000 ppm and, for the other of said at least two different alkali metals, in the range of 5 to 2000 ppm and at most 1/2 and at least 1/2000 of the comprised amount of potassium. The method (200) and apparatus (300) are advantageous for more environmentally-friendly production of photovoltaic devices (100) on flexible substrates with high photovoltaic conversion efficiency and faster production rate.

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

(21) Application No.2285/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: STEAM TEMPERATURE CONTROL DEVICE FOR A GAS AND STEAM TURBINE PLANT

(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  Sigermany (72) Name of Inventor: 1) ZUBROD Horst  1) ZUBROD Horst  **NA**  **NA	
(62) Divisional to Application Number :NA Filing Date :NA	

## (57) Abstract:

The invention relates to a steam-temperature control device (1) for a gas- and steam turbine plant, comprising a feed water line (2), a feed-water control valve (3) located in the feed water line (2) and a water injection line (5) which branches off from the feed water line (2) upstream of the feed-water control valve (3) in the flow direction of said water and which opens into an injection cooler (4). Said steam-temperature control device is characterised in that a pre-heating device (6) for the injection water is connected in the water injection line (5). The invention further relates to a method for controlling the steam temperature in a gas- and steam turbine plant.

No. of Pages: 21 No. of Claims: 8

(21) Application No.2286/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: HEAT TRANSFER TUBE INSERTION APPARATUS

:B21D53/08,F28F1/00,F28F1/32 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2013017752 (32) Priority Date :31/01/2013

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2014/000465

Filing Date :29/01/2014 (87) International Publication No: WO 2014/119303

(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)KONDOU Takuva 2)SATOU Kimitoshi 3)SERA Tomonari

4)TAKAHASHI Takayuki 5)TANAKA Yoshikazu

#### (57) Abstract:

A heat transfer tube insertion apparatus (1) is provided with a roller conveying part (2) that sends out a hairpin tube (T) via the rotation of a drive roller (2a) and a driven roller (2b), and inserts the hairpin tube (T) into an insertion hole (P) of a fin (F) and moves the hairpin tube (T) to a first position (I); and a pressing cylinder (3) that presses the hairpin tube (T), which was moved to the first position (I) by the roller conveying part (2), to a second position (II) that is further inside than the first position (I).

No. of Pages: 81 No. of Claims: 20

(21) Application No.2287/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR SUPPORTING UE ACCESS CONTROL

(51) International classification	:H04W12/06	(71)Name of Applicant:
(31) Priority Document No	:201410096645.X	1)SAMSUNG ELECTRONICS CO., LTD
(32) Priority Date	:14/03/2014	Address of Applicant :129, SAMSUNG-RO,, YEONGTONG-
(33) Name of priority country	:China	GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF
(86) International Application No	:PCT/KR2015/002534	KOREA
Filing Date	:16/03/2015	(72)Name of Inventor:
(87) International Publication No	: NA	1)XIAOWAN KE
(61) Patent of Addition to Application	:NA	2)GERT JAN VAN LIESHOUT
Number	:NA	3)LIXIANG XU
Filing Date	.11/1	4)HONG WANG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure provides a method for supporting UE access control. A base station is informed by a ProSe Function via a MME or informed by the MME of information indicating whether a UE is authorized for a D2D service. The base station performs an access control to the UE according to the information indicating whether the UE is authorized for the D2D service. The present disclosure further provides a method in which a source base station informs a target base station of the information indicating whether the UE is authorized for a D2D service. The target base station performs an access control according to the information.

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

(21) Application No.2288/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: OPTICAL MIRROR X RAY FLUORESCENCE ANALYSIS DEVICE AND METHOD FOR X RAY FLUORESCENCE ANALYSIS

(51) International classification :G01N23/223,G01B15/02 (71)Name of Applicant : (31) Priority Document No :10 2013 102 270.7 (32) Priority Date :07/03/2013 (33) Name of priority country :Germany (86) International Application No :PCT/EP2014/053799

Filing Date :27/02/2014 (87) International Publication No :WO 2014/135429

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

1)HELMUT FISCHER GMBH INSTITUT FÜR

ELEKTRONIK UND MESSTECHNIK

Address of Applicant :Industriestraße 21 71069 Sindelfingen

Germany

(72) Name of Inventor:

1)RÖSSIGER Volker

#### (57) Abstract:

The invention relates to an x-ray fluorescence analysis device, comprising an x-ray source (10) for irradiating a sample (15) with xradiation (19), an x-ray detector (17) for measuring x-ray fluorescence radiation (16) emitted by the sample (15), and a camera (25) for producing an optical control image (26) of the irradiated measurement point (29) of a sample (15) by means of the optical mirror (20) arranged at an angle in the beam path of the x-ray source (10), which optical mirror comprises a carrier (21) having a mirror layer (28) provided on the carrier (21). In order to create an x-ray florescence device by means of which realistic control recordings of the sample to be analysed, in particular of the sampled surface point, are possible, the invention provides that the optical mirror (20) has a passage window (23) for the x-radiation (19), which is formed by an opening (23) in the carrier (21) and a foil (22) forming the mirror layer (28) and covering the opening (23) on an outer surface of the carrier (21).

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

(21) Application No.2289/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application:15/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: TETRAHYDRO AND DIHYDRO ISOQUINOLINE PRMT5 INHIBITORS AND USES THEREOF

(51) International :C07D217/12,A61K31/472,A61K31/4725 classification

(31) Priority Document :61/745485

(32) Priority Date :21/12/2012 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2013/077235 Application No :20/12/2013

Filing Date

(87) International Publication No

:WO 2014/100719

(61) Patent of Addition to Application Number

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

(71) Name of Applicant:

1)EPIZYME INC.

Address of Applicant :400 Technology Square 4th Floor

Cambridge MA 02139 U.S.A.

(72)Name of Inventor:

1)DUNCAN Kenneth W.

2)CHESWORTH Richard

3)BORIACK SJODIN Paula Ann 4)MUNCHHOF Michael John

5)JIN Lei

#### (57) Abstract:

Described herein are compounds of Formula (A), pharmaceutically acceptable salts thereof, and pharmaceutical compositions thereof. Compounds of the present invention are useful for inhibiting PRMT5 activity. Methods of using the compounds for treating PRMT5 mediated disorders are also described.

No. of Pages: 373 No. of Claims: 126

(21) Application No.2330/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR COMPENSATION OF TURBO LAG IN HYBRID VEHICLES

(51) International classification :B60W20/00,B60W10/04,B60W10/06

(31) Priority Document No :61/782,962 (32) Priority Date :14/03/2013

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

country

(86) International :PCT/US2014/020417

Application No Filing Date :04/03/2014

(87) International Publication No :WO 2014/158827

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

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

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN 46222 UNITED STATES OF AMERICA.

(72)Name of Inventor:

1)WEST, Stephen, T.

### (57) Abstract:

A system and method for compensation of turbo lag in hybrid vehicles is disclosed. The system identifies a zero boost power limit of the engine and a torque curve power limit. A turbocharger dynamic model is then developed based on measurements of the input engine power and the output max available engine power. The model is used to determine an overall propulsion power limit based on the combination of the engine and motor in operation. A power request by the driver may then be limited to the overall propulsion power limit to compensate for the effect of the turbocharger when propelling the vehicle using both the engine and motor and better simulate the engine-only response.

No. of Pages: 31 No. of Claims: 42

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF SUCCINIC ACID ESTER

(51) International classification (31) Priority Document No	:C07C67/08 :1321611.4	(71)Name of Applicant: 1)JOHNSON MATTHEY DAVY TECHNOLOGIES
(32) Priority Date	:06/12/2013	LIMITED
(33) Name of priority country	:U.K.	Address of Applicant :10 Eastbourne Terrace, London W2
(86) International Application No	:PCT/GB2014/053589	6LG UNITED KINGDOM.
Filing Date	:02/12/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2015/082916	1)SMIDT, Martin Lucas
(61) Patent of Addition to Application	:NA	2)CAMPBELL, Ian
Number	:NA	3)GORDON, Paul
Filing Date	.IVA	4)FERGUSON, Christopher
(62) Divisional to Application Number	:NA	5)REED, Graham
Filing Date	:NA	

## (57) Abstract:

A process for the production of dialkyl succinate from a bio-succinic acid feedstock comprising the steps of; (a) feeding solid bio-succinic acid to a first reactor where it is contacted with alkanol, said first reactor being operated at a suitable temperature and pressure to enable autocatalytic esterification to occur; (b) passing a stream removed from the first reactor comprising unreacted succinic acid, mono alkyl ester, dialkyl ester, alkanol, water and impurities to a point at or near the top of a reaction zone column operated at temperatures and pressures to enable esterification of the succinic acid and further esterification of the mono alkyl ester, and passing said stream in counter-current reaction to upflowing additional alkanol; (c) removing a stream from at or near the bottom of the reaction zone column comprising components selected from residua! succinic acid, mono alkyl ester, dialkyl ester, impurities and alkanol and passing said stream to a bottoms stream separation zone where said di-alkyl ester is separated from alkanol, and from the succinic acid, mono alkyl ester and impurities; (d) recycling the succinic acid and mono alkyl ester to the reaction zone column; (e) removing at least some of the impurities as a purge; and (f) removing a stream comprising alkanol, water and organic components from at or near the top of the reaction zone column and passing said stream to a top stream distillation zone where the alkanol is separated, from the water and from the organic components and recycling the organic components to the reaction zone column.

No. of Pages: 51 No. of Claims: 28

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: VARIABLE FREQUENCY DRIVE OPERATION TO AVOID OVERHEATING

(51) International classification: H02P27/06, H05K7/20, H01L23/36 (71) Name of Applicant:

(31) Priority Document No :61/755,630 (32) Priority Date :23/01/2013

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

(86) International Application :PCT/US2014/012625

No :23/01/2014 Filing Date

(87) International Publication :WO 2014/116760

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)TRANE INTERNATIONAL INC.

Address of Applicant :One Centennial Avenue, Piscataway,

NJ 08855 UNITED STATES OF AMERICA.

(72) Name of Inventor:

1) WEST, Nathan, Thomas

2)SYKORA, Benjamin, James

3) FOYE, David, Marshall

4) ANDERSON, Korwin, Jay

### (57) Abstract:

Operation of a variable frequency in a manner configured to avoid overheating is provided. In one form, a method includes providing a variable frequency drive that includes a switching device in thermal communication with a heat sink including a thermal mass. The method further includes operating the drive in a first mode before active cooling of the heat sink is established and a second mode following the first mode. Operation of the drive in the first mode includes operating the switching device in a first switching frequency mode, and the first switching frequency mode and the thermal mass of the heat sink are selected to provide a temperature of the switching device below a predetermined threshold before active cooling of the heat sink is established. Further embodiments, forms, features, and aspects shall become apparent from the description and drawings.

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

(21) Application No.2333/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AN ANTIMICROBIAL CERAMIC GLAZING 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> </ul>	:C04B35/453 :60/890,673 :20/02/2007 :U.S.A. :PCT/US2008/054190 :16/02/2008 :WO2008/103621	(71)Name of Applicant:  1)MICROBAN PRODUCTS COMPANY Address of Applicant:11515 VANSTORY DRIVE, SUITE 125, HUNTERSVILLE, NC 28078 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)CAMPBELL, ALVIN, LAMAR
Filing Date	:16/02/2008	
(87) International Publication No		
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filed on	:2821/KOLNP/2009 :04/08/2009	

# (57) Abstract:

An antimicrobial ceramic glazing composition contains one or more antimicrobial agents disposed therein. Methods for making and using the glazing composition are disclosed, as well as substrates having a fired antimicrobial glaze thereon. The antimicrobial agents comprise metallic oxides, with a subset of the disclosed combinations exhibiting synergistic effect in fired glazes.

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

(22) Date of filing of Application :20/07/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : TOUCH SENSITIVE SURFACE FOR AN ELECTRONIC DEVICE WITH FALSE TOUCH PROTECTION

:G06F3/044,H03K17/96 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)GOOGLE TECHNOLOGY HOLDINGS LLC :13/760,464 (32) Priority Date Address of Applicant: 1600 Amphitheatre Parkway Mountain :06/02/2013 (33) Name of priority country View, California 94043 UNITED STATES OF AMERICA. :U.S.A. (86) International Application No :PCT/US2014/012626 (72) Name of Inventor: Filing Date :23/01/2014 1)ADY, Roger W. (87) International Publication No :WO 2014/123694 2) MERRELL, Thomas Y. (61) Patent of Addition to Application 3)SLABY, Jiri :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A touch sensitive surface (401) for an electronic device (200) includes a capacitive touchpad (409). A grille (413) of non-conductive material (515) is disposed along at least a portion of the touch sensitive surface. A predefined threshold of a normal force component (804) applied by a user"s finger or other conductive object overcomes the grille (413) to allow the finger or other conductive object to interact with the capacitive touchpad. The touch sensitive surface reduces false touch activation occurrences and can simulate the tactility of a mechanical switch.

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : STENT-GRAFT DELIVERY SYSTEM HAVING A TIP CAPTURE MECHANISM WITH ELONGATED CABLES FOR GRADUAL DEPLOYMENT AND REPOSITIONING

(51) International classification :A61F2/966 (71)Name of Applicant: (31) Priority Document No 1)MEDTRONIC VASCULAR INC. :13/773,152 (32) Priority Date Address of Applicant :c/o IP Legal Department, Medtronic :21/02/2013 (33) Name of priority country Vascular Inc., 3576 Unocal Place, Santa Rosa, CA 95403 :U.S.A. (86) International Application No :PCT/US2014/014712 UNITED STATES OF AMERICA. Filing Date :04/02/2014 (72) Name of Inventor: 1)ARGENTINE, Jeffery (87) International Publication No :WO 2014/130235 (61) Patent of Addition to Application 2)SCHMITT, Joshua :NA Number 3)STIGER, Mark :NA Filing Date 4) WOLL, Brandon (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

Stent-graft delivery systems having a tip capture mechanism with a plurality of elongated cables that allow for gradual deployment and repositioning of a stent-graft prosthesis. The tip capture mechanism includes a guiding assembly, a distal tip assembly, and a plurality of cables. In a first relative position, the distal tip assembly extends the guiding assembly to temporarily constrain the distal ends of the cables and an intermediate portion of each cable constrains an endmost crown of the prosthesis. In this first relative position, tension on the cables may be selectively adjusted to allow for both gradual continuous radial expansion and contraction of the endmost crowns of the stent-graft prosthesis. In a second relative position, the distal tip assembly does not extend over the guiding assembly and thus does not constrain the distal ends of the cables, and thereby the cables do not constrain the endmost crowns.

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: POLE SHOE COOLING GAP FOR AXIAL MOTOR

:WO 2014/118554

(51) International classification :H02K1/20,H02K3/24,H02K21/24 (71)Name of Applicant :

(31) Priority Document No :1301758.7 (32) Priority Date :31/01/2013

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

(86) International Application :PCT/GB2014/050261

:31/01/2014 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)YASA MOTORS LTD

Address of Applicant: 154H Milton Park, Abingdon

Oxfordshire OX14 4SD UNITED KINGDOM.

(72) Name of Inventor:

1)WOOLMER, Timothy

2) COURT, Andrew

3)KING, Charles

4)EAST, Mark

5)BARKER, Jon

# (57) Abstract:

There is provided an axial flux motor comprising one or more rotating disks (10) and a stator (20) comprising a cavity (30) formed between walls (40a, 40b) and containing therein more than one electro- magnetic coil assembly (50). Each electro-magnetic coil assembly (50) comprises more than one pole piece (60), each having an axially extending shank portion (70a) and first and second radially extending end shoes (72a, 72b) and one or more associated coils (55), each of the one or more associated coils (55) being wound around a shank portion (70a), wherein said outer surface (75) of said end shoes are preferably joined to one or other of said walls (40a, 40b). One or both of said first or second shoes further comprise a heat exchange surface (72a1, 72b1) facing a coil (55) wound around the shank (70a) such as to define first cooling channels (100a, 100b) between one or both of said heat exchange surface (72a1, 72b1) and said coil (55), and a second flow channel (100c) defined by the spacing of said coil (55) and adjacent coils (55).

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: USING LIMITED LIFE TOKENS TO ENSURE PCI COMPLIANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G06Q20/12 :14/320,535 :30/06/2014 :U.S.A. :PCT/US2014/049070 :31/07/2014 : NA :NA	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 COAST AVENUE, MOUNTAIN VIEW, CALIFORNIA 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)SLATER, RICHARD LEE 2)GEYER, RANDALL 3)STEFANESCU, MUGUR
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method comprises receiving, by a payment service from a point of sale (POS) system, a payment request having sale data and a card data token, generating a detokenize and erase request including the card data token, sending the detokenize and erase request to a token service, receiving, by the payment service, card data from the token service in response to the sending the detokenize and erase request, generating a payment process request comprising the sale data and the card data, sending the payment process request to a payment authorization service, receiving a payment response from the payment authorization service in response to the sending the payment process request, and sending the payment response to the POS system.

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

(21) Application No.2237/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: WINDOW HEAT CONDUCTION BLOCKING 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> </ul>	:13/12/2012 :WO 2014/091595 :NA :NA	(71)Name of Applicant: 1)HITACHI SYSTEMS LTD. Address of Applicant: 2 1 Osaki 1 chome Shinagawa ku Tokyo 1418672 Japan (72)Name of Inventor: 1)MAEDA Takahiro
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Provided is a window heat conduction blocking device that makes it possible to block heat that is conducted from the outside by the window of a computer room during the summer that makes it possible to efficiently conduct heat from the outside during the winter and that makes it possible to decrease the air conditioning load. The window heat conduction blocking device (7) blocks heat that is conducted from the outdoor surface to the indoor surface of the window (3) of a computer room (1) and is provided with: a heat blocking unit (17) comprising a heat blocking material (8) formed to match the size of the window (3) and a fixing base (9) that is provided to the indoor surface of the heat blocking material (8); support bars (10a 10b) that are provided to both side sections of the fixing base (9); and a base guide (16) comprising guide grooves (12 15) that are provided to both side sections of a window frame (5) and that guide the heat blocking unit (17) from an accommodating section (11) that is under the window to the indoor surface of the window (3) or from the indoor surface of the window (3) to the accommodating section (11) via the support bars (10a 10b).

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INERTIAL DEVICE, METHOD, AND PROGRAM

(51) International classification	:G01C21/00,G01P13/02	(71)Name of Applicant:
(31) Priority Document No	:2013-018464	1)RICOH COMPANY, LTD.
(32) Priority Date	:01/02/2013	Address of Applicant :3-6, Nakamagome 1-chome, Ohta-ku,
(33) Name of priority country	:Japan	Tokyo, 1438555 JAPAN
(86) International Application No	:PCT/JP2014/052590	(72)Name of Inventor:
Filing Date	:28/01/2014	1)MATSUSHITA, Yusuke
(87) International Publication No	:WO 2014/119799	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An inertial device having sensors operable to output accelerations in a horizontal and a vertical direction is disclosed that includes a detection unit configured to detect a turning point in a waveform representing the acceleration in the vertical direction with respect to time and to detect time at the turning point; a calculation unit configured to calculate a velocity in the horizontal direction using the acceleration in the horizontal direction in a predetermined period centering on the time at the turning point; a determination unit configured to determine whether the velocity is less than or equal to a threshold value; and an estimation unit configured to estimate a direction to which a target having the inertial device moves using the velocity in response to a determination by the determination unit that the velocity is less than or equal to the threshold value.

No. of Pages: 91 No. of Claims: 12

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : INFORMATION PROCESSING TERMINAL, INFORMATION PROCESSING METHOD, AND PROGRAM

(51) International :G06F13/00,G06F3/0481,G06F3/0482

classification .Goof 15/00,Goof 5/0401,Goof 5

(31) Priority Document No :2013-015919 (32) Priority Date :30/01/2013

(33) Name of priority :Japan

country

(86) International PCT/JP2014/052179
Application No

Filing Date :24/01/2014

(87) International Publication No :WO 2014/119700

(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)RICOH COMPANY, LTD.

Address of Applicant :3-6, Nakamagome 1-chome, Ohta-ku,

Tokyo, 1438555 JAPAN (72)Name of Inventor: 1)MIHARA, Akihiro 2)AONO, Yoshiko

# (57) Abstract:

A terminal is disclosed including a receiving unit receiving list data specifying destination terminals with which the terminal initiates communications and status data representing statuses of the destination terminals; a creation unit creating a list to display identifiers of the destination terminals using the data, wherein a sequence in which the identifiers are arranged in the list is updated; and a display unit displaying the list including identifiers of the destination terminals and a cursor to select the identifier; wherein the display unit selects one of modes depending on whether one of the identifiers at a position is pointed to by the cursor in response to a user operation, and in one mode, the display unit maintains the cursor at the position despite a change in a position of the selected identifier resulting from the update, and in another mode, the display unit moves the cursor to a new position.

No. of Pages: 92 No. of Claims: 7

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SPRING CLAMP CONTACT AND CONNECTING TERMINAL FOR ELECTRICAL CONDUCTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:12/02/2014 :WO 2014/124961 :NA :NA	(71)Name of Applicant:  1)WAGO VERWALTUNGSGESELLSCHAFT MBH Address of Applicant: Hansastraße 27, Minden, 32423 GERMANY (72)Name of Inventor:  1)KÖLLMANN, Hans-Josef 2)GERBERDING, Wolfgang
Filing Date	:NA :NA	

#### (57) Abstract:

A spring clamp contact (1) for contacting electrical conductors is described, said spring clamp contact having a bus bar (2) and at least two clamping springs (3) that each have a contact limb (4), a spring arc (5) adjoining said contact limb (4) and a clamping limb (6) adjoining the spring arc (5), said clamping limb having a clamping section (7) at the free end. The spring clamp contact also has frame parts (8) which extend away from the bus bar (2) and each have two lateral connecting parts (9a, 9b) that are spaced from each other and transversal connecting parts (10, 11) connecting said lateral connecting parts (9a, 9b) to each other and a conductor through-opening (12) formed by the lateral connecting parts (9a, 9b) and the transversal connecting parts (10, 11). A clamping spring (3) is secured, by the contact limb (4) of the clamping spring (3) and/or a retaining element (26) of the bus bar (2) being in contact with connecting part (10, 11), in such a way that the clamping section (7) acts in the direction of the bus bar (2) under the spring force of the clamping spring (3). The at least two frame parts (8) for the at least two clamping springs (3) are spaced from each other by an interstice (14) between two spaced lateral connecting parts (9a, 9b) of adjacent frame parts (8).

No. of Pages: 25 No. of Claims: 9

(21) Application No.2260/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: ELECTRONIC DEVICE AND PASSWORD AUTHENTICATION METHOD 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>	:H04L9/32 :2012105555543.0 :19/12/2012 :China :PCT/CN2013/089662 :17/12/2013 :WO 2014/094594 :NA :NA :NA	(71)Name of Applicant:  1)TENDYRON CORPORATION Address of Applicant:1810 Tower B No.38 Xueqing Road Haidian District Beijing 100083 China (72)Name of Inventor: 1)LI Dongsheng
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#### (57) Abstract:

Proposed are an electronic device and a password authentication method therefor. The password authentication method comprises the following steps: an electronic device receiving an entered password of which the length is n bit character strings the n being equal to or greater than 1; the electronic device performing bit by bit comparison or random comparison on each character of the entered password and a pre stored correct password; and the electronic device returning a comparison result in preset feedback time or random feedback time wherein neither the preset feedback time nor the random feedback time is less than the time needed for comparing the n bit character strings of the entered password. According to the password authentication method for an electronic device in the embodiments of the present invention regardless of the comparison result the electronic device returns the result of password authentication in the preset feedback time or the random feedback time so that lawbreakers on the network cannot calculate a complete and correct password according to the rule of feedback time and the security of the password of the electronic device is improved thereby improving the security of user accounts.

No. of Pages: 24 No. of Claims: 15

:NA

(21) Application No.2261/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: REDOX FLOW BATTERY SYSTEM AND METHOD OF CONTROLLING IT

(51) International classification: H01M8/04,H01M8/18,H01M8/24 (71) Name of Applicant: (31) Priority Document No 1) HYDRAREDOX TECHNOLOGIES HOLDINGS LTD. :NA (32) Priority Date Address of Applicant :Office A13-A14, Champion Business :NA (33) Name of priority country Park, Arrowe Brook Road, Wirral, CH49 OAB UNITED :NA (86) International Application KINGDOM. :PCT/IB2012/057342 (72) Name of Inventor: No :14/12/2012 Filing Date 1)SPAZIANTE, Placido, Maria (87) International Publication 2)DICHAND, Michael :WO 2014/091283 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

#### (57) Abstract:

Filing Date

A novel multi cell stack architecture has specific features allowing deployment of simple electrical instrumentation of data collection/monitoring of crucial hydraulic electrical and electrochemical quantities on the basis of which the operator or electronic controller is able to gather/process critical information of such a depth and enhanced reliability for immediately identifying any cell in "state of sufferance" and eventually to exclude it from the system and possibly substitute it with a spare cell. A method of monitoring/controlling the operation of an all vanadium redox flow battery system is also disclosed.

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

(21) Application No.2262/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INTENT PREDICTION BASED RECOMMENDATION 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>	:G06F7/00 :61/754,300 :18/01/2013 :U.S.A. :PCT/US2014/011509 :14/01/2014 :WO 2014/113396 :NA :NA	(71)Name of Applicant:  1)24/7 CUSTOMER, INC.  Address of Applicant:910 E. Hamilton Ave. Ste. 240, Campbell, CA 95008 UNITED STATES OF AMERICA. (72)Name of Inventor:  1)VIJAYARAGHAVAN, Ravi 2)KULKARNI, Subhash Ramchandra 3)ADUSUMILLI, Kranthi Mitra
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#### (57) Abstract:

User intent is identified while the user browses online and recommendations are provided to the user. The recommendations are based on the identified intent interests and preferences of the user who is performing the searches. The determination of user intent and interests is based on a statistical model derived from data compiled from the user and a plurality of other users. Other resources may also be determined to be relevant for example because of past interactions of the user memberships of the user in ecommerce websites the user s interests and preferences are similar to those of other users and so on. The result of the user search is a ranked set of recommendations that is provided to the user.

No. of Pages: 30 No. of Claims: 23

(21) Application No.2394/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR CUTTING PIECES FROM A STRIP OF MATERIAL AND CUTTING MACHINE FOR CARRYING OUT SAID METHOD

(51) International :B23K26/08,B23Q1/44,B23K26/38

classification

(31) Priority Document No :13/51128 (32) Priority Date :11/02/2013 (33) Name of priority country :France

(86) International Application :PCT/IB2014/000145 No

:11/02/2014 Filing Date

(87) International Publication :WO 2014/122524

(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)DIMECO ALIPRESSE SAS

Address of Applicant :2 rue du Chêne Z.I. la Louviére, F-

25480 Pirey FRANCE (72) Name of Inventor: 1) AUBRY, Marc

## (57) Abstract:

The invention relates to a machine (17) for the flatbed cutting of pieces from a strip of material (3) wound in a coil and moving continuously. The cutting zone (ZD) comprises a cutting head (17) supported by a mobile support (20) translatably mounted on a stationary longitudinal beam (18) disposed parallel to the direction of movement (A) of the strip of material. The mobile support is coupled to a first actuator (Mx) for moving the cutting head (17) linearly along a longitudinal axis (X) parallel to the beam and comprises a variable-geometry mechanism (21-24) coupled to a second actuator (My) for moving the cutting head (17) linearly along a transverse axis (Y) perpendicular to the longitudinal axis (X). A central unit (9) controls the actuators in order to move the cutting head (17) in the cutting zone (ZD) along a path determined according to the contour of the pieces (2) to be cut and the movement speed of the strip of material (3).

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

(21) Application No.2269/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : DEVICE FOR RETAINING MULTILAYER SYNTHETIC MATERIALS ON CUTTING TABLES AND THE LIKE

<ul><li>(51) International 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>	:B26D7/01,B26D7/02,B65H35/00 :MI2013A000113 :25/01/2013 :Italy	(71)Name of Applicant: 1)COMELZ S.P.A. Address of Applicant: Viale Indipendenza 55 I 27029 Vigevano Italy (72)Name of Inventor:
No Filing Date (87) International Publication	:PCT/EP2013/072764 :31/10/2013	1)CORSICO PICCOLINO Alessandro
No	:WO 2014/114376	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A device (1) for retaining multilayer synthetic materials on cutting tables its particularity residing in the fact that it comprises a supporting element (4) adapted to be placed laterally to a multilayer (3) to be processed on a cutting table (2) and adapted to support a plate like element (5) whose dimensions are such as to protrude with respect to the supporting element (4) and surmount the edge of the multilayer (3) the plate like element (5) passing from an inactive configuration to an active configuration in which the plate like element (5) is pressed with its edge against the edge of the multilayer (3).

No. of Pages: 14 No. of Claims: 11

(21) Application No.2270/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: DISCONNECTOR FOR PHOTOVOLTAIC APPLICATIONS

:NA

:NA

(51) International classification: H02G3/08,H01H1/42,H01H19/10 (71) Name of Applicant: 1)BREMAS ERSCE S.P.A. (31) Priority Document No :MI2012A002175 (32) Priority Date Address of Applicant : Via Castellazzo 9 I 20040 Cambiago :19/12/2012 (33) Name of priority country :Italy Italy (86) International Application (72) Name of Inventor: :PCT/EP2013/075828 No 1)CIVETTINI Franco :06/12/2013 Filing Date (87) International Publication :WO 2014/095431 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

#### (57) Abstract:

Filing Date

Number

A disconnector (1) particularly for photovoltaic applications comprising at least two modular contact boxes (2) each comprising a box like body (3) coupled to a contiguous box like body (3) of a contiguous modular contact box (2). The box like body (3) forms a central seat (40) that accommodates a rotatable contact (4) and two peripheral seats (50) each of which accommodates a connection portion (51) of a corresponding fixed contact (5) that can be accessed from the outside of the modular contact box (2). The rotatable contact (4) is able to rotate about the axis (40a) of the central seat (40) with respect to the box like body (3) in order to engage the fixed contacts (5) arranged with their connection portion (51) in the peripheral seats (50) or to disengage from the fixed contacts (5); the two peripheral seats (50) are arranged on the same side (30) with respect to a central plane (A) that passes through the axis (40a) of the central seat (40) and in the fact that the two peripheral seats (50) of a box like body (3) and the two peripheral seats (50) of the contiguous box like body (3) are arranged on mutually opposite sides with respect to the central plane (A).

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

(21) Application No.2271/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: EMERGENCY RELEASE COUPLING

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2013 100 483.0	1)VON KEITZ Andreas
(32) Priority Date	:17/01/2013	Address of Applicant :Schillerstrasse 21 65582 Diez Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2014/050050	1)VON KEITZ Andreas
Filing Date	:03/01/2014	
(87) International Publication No	:WO 2014/111278	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Emergency release coupling between two lines. The first coupling half (1) has an opening mouth which is formed by detents (32a) of the short lever arms (32) of first order detent levers (3) that are pretensioned in the closing direction by pressure springs (4) while engaging behind inclined surfaces (21a) of an end flange (21) of the second coupling half (2). The emergency release coupling is released when a predetermined tensile force on the lines is exceeded.

No. of Pages: 16 No. of Claims: 12

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR AUTOMATICALLY MANAGING SECURE COMMUNICATIONS IN MULTIPLE COMMUNICATIONS JURISDICTION ZONES

(51) International classification (31) Priority Document No	:H04L9/00 :14/070,168	(71)Name of Applicant: 1)INTUIT INC.
(32) Priority Date	:01/11/2013	Address of Applicant :2700 Coast Avenue, Mountain View,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/US2014/061813	CA 94043 UNITED STATES OF AMERICA. (72)Name of Inventor:
Filing Date (87) International Publication No	:22/10/2014 :WO 2015/065789	1)LIETZ, M., Shannon 2)CABRERA, Luis, Felipe
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>1</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Communications and data security policy data for two or more communications jurisdiction zones is obtained that includes data indicating allowed protocols for the respective communications jurisdiction zones. Data indicating a desired exchange of data between a first resource in a first communications jurisdiction zone and a second resource in a second communications jurisdiction zone is received/obtained. The first communications jurisdiction zone communications and data security policy data and the second communications jurisdiction zone policy data is automatically obtained and analyzed to determine an allowed type of secure communications security level for the desired exchange of data that complies with both the first communications jurisdiction zone communications and data security policy data and the second communications jurisdiction zone policy data. A communications channel, including the allowed type of secure communications security level, is automatically establishing between the first resource and the second resource.

No. of Pages: 84 No. of Claims: 34

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR AUTOMATICALLY MANAGING SECRETS IN MULTIPLE DATA SECURITY JURISDICTION 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> </ul>	:23/10/2014 :WO 2015/069470 :NA	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 Coast Avenue, Mountain View, California 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)CABRERA, Luis Felipe 2)LIETZ, M. Shannon
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Data security jurisdiction zones are identified and data security policy data for the data security jurisdiction zones is obtained. The data security policy data for the data security jurisdiction zones is then automatically analyzed to determine allowed secrets data with respect to each of the identified data security jurisdiction zones. The allowed secrets data with respect to each of the data security jurisdiction zones is then automatically obtained and provided to resources in the respective data security jurisdiction zones, either from a central secrets data store or from an allowed secrets data store associated with each data security jurisdiction zone.

No. of Pages: 57 No. of Claims: 26

(22) Date of filing of Application :23/07/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: CATION CONCENTRATION INCREASING AGENT, MODIFYING AGENT FOR CONCRETE STRUCTURE, METHOD FOR MANUFACTURING SAME, AND METHOD FOR REPAIRING CONCRETE STRUCTURE

(51) International classification	:C04B41/65,C04B41/70	(71)Name of Applicant:
(31) Priority Document No	:	1)AES CO., LTD.
(32) Priority Date	: -	Address of Applicant :3-3-59, Kiyozumi-machi, Yamagata-
(33) Name of priority country	:	shi, Yamagata 9900834 JAPAN
(86) International Application No	:PCT/JP2014/058933	(72)Name of Inventor:
Filing Date	:27/03/2014	1)KURIYAMA Yasumoto
(87) International Publication No	:WO 2014/157545	2)SEYA Masaaki
(61) Patent of Addition to Application	:NA	3)SUZUKI Yoshihisa
Number	:NA	4)ABIKO Masatoshi
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a modifying agent for a concrete structure, and a manufacturing method for same, that makes the operation of modifying the concrete structure simple and safe for the human body, and also can impart high durability to the concrete structure. Further provided is a method for repairing a concrete structure that can be performed more efficiently and in less time than prior methods for repairing a concrete structure. The modifying agent for a concrete structure is an alkaline electrolyzed water. Calcium ions are dissolved in the alkaline electrolyzed water. The alkaline electrolyzed water has a pH of, for example, 11 or higher.

No. of Pages: 29 No. of Claims: 13

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SPRING-LOADED CLAMPING CONNECTION AND CONDUCTOR 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01R4/48 :10 2013 101 410.0 :13/02/2013 :Germany :PCT/EP2014/052722 :12/02/2014 :WO 2014/124964 :NA :NA	(71)Name of Applicant:  1)WAGO VERWALTUNGSGESELLSCHAFT MBH Address of Applicant: Hansastraße 27, 32423 Minden GERMANY (72)Name of Inventor:  1)KÖLLMANN, Hans-Josef 2)GERBERDING, Wolfgang
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A spring-loaded clamping connection (1) for clamping electrical conductors is described, said spring-loaded clamping connection having a clamping spring (2) and a bus bar (6). The clamping spring (2) has a contact limb (3), a spring arc (4) adjoining said contact limb (3) and a clamping limb (5) adjoining said spring arc (4). The clamping limb (5) has a clamping edge (12) for forming a clamping point with the adjacent bus bar (6) for a conductor to be clamped. The spring-loaded clamping connection (1) also has a frame element (7) which is a part separate from the clamping spring (2) with the bus bar (6) and which has a base portion (10), a curved portion (9) adjoining said base portion (10) and a retaining portion (8) adjoining said curved portion (9) and spaced from the base portion (10). The contact limb (3) of the clamping spring (2) is secured to the retaining portion (8). The retaining portion (8) extends in the extension of the direction of extension of the contact limb (3). The curved portion (9) limits, in the insertion direction (L) for a conductor to be clamped behind the clamping point, a conductor-accommodating chamber (14) for accommodating a free end of an electrical conductor. The base portion (10) extends from the curved portion (9) toward the free end of the base portion (10) counter to the insertion direction (L) for an electrical conductor to be clamped.

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

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR DETECTING VEHICLE CLUTCH TOUCH POINT

(51) International :B60W20/00,B60W10/02,B60W10/04

classification .Boow 20/00,Boow 10/02

(31) Priority Document No :61/779,743 (32) Priority Date :13/03/2013 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2014/020723

Application No
Filing Date :05/03/2014

(87) International

Publication No :WO 2014/158888

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

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

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA.

(72)Name of Inventor: 1)WEST, Stephen, T. 2)PERRY, Carl, E.

# (57) Abstract:

A hybrid system and method is configured to achieve and maintain a touch point for a clutch so as to allow an engine to rapidly restart. The hybrid system includes an eMachine configured to start the engine. The clutch is configured to operatively connect and disconnect the eMachine and the engine. A motor torque PID controller is configured to operate the eMachine at a desired speed by regulating torque of the eMachine. A clutch pressure PID controller is configured to actuate the clutch to a touch point by regulating clutch pressure. The motor torque PID controller and the clutch pressure PID controller include a compensation function to account for a change in torque caused by actuation of the clutch by the clutch pressure PID controller.

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

(21) Application No.2295/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: EXHAUST GAS PURIFICATION DEVICE

(51) International classification	:F01N3/24	(71)Name of Applicant:
(31) Priority Document No	:2012279607	1)FUTABA INDUSTRIAL CO. LTD.
(32) Priority Date	:21/12/2012	Address of Applicant :1 Aza ochaya Hashime cho Okazaki shi
(33) Name of priority country	:Japan	Aichi 4448558 Japan
(86) International Application No	:PCT/JP2013/081400	(72)Name of Inventor:
Filing Date	:21/11/2013	1)NAGATA Yoshinobu
(87) International Publication No	:WO 2014/097815	2)UMENO Yasufumi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This exhaust gas purification device is provided with: a catalyst disposed in an exhaust gas flow path; and an impeding member that is disposed downstream from the catalyst in the exhaust gas flow path, and reduces deviations in the flow velocity distribution of exhaust gas that flows into the catalyst by impeding a portion of the flow of the exhaust gas that flows out of the catalyst. The impeding member is provided with a recessed part that is recessed on the side facing the catalyst, and impedes a portion of the flow of exhaust gas that flows out of the catalyst by means of the recessed part.

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

(21) Application No.2299/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DEVICE FOR FIXING FLOATING BODIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B63B21/00 :A50029/2013 :17/01/2013 :Austria :PCT/AT2014/050004 :09/01/2014 :WO 2014/110610 :NA :NA	(71)Name of Applicant:  1)DUAL DOCKER GMBH  Address of Applicant:Gewerbegebiet Nord 6 5222  Munderfing, AUSTRIA (72)Name of Inventor:  1)Michael FUHRMANN
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a device for fixing floating bodies (1), in particular boats and jetties, to a landing body (2). The device comprises at least two holding trees (5), which are each fixed at one end to the floating body (1) and at the other end to the landing body (2) by means of fittings (3) at respective mooring points (4), wherein the holding trees (5) comprise two sub-trees (6, 7) telescopically movable one inside the other and braced against each other by a spring assembly. In order to produce advantageous anchoring conditions, according to the invention the spring assembly comprises stop members (9) arranged at intervals in the longitudinal direction (8) of the tree and elastomeric spring components (10) provided between the stop members (9), and by means of stop lugs (11) that project in the longitudinal direction of the tree the stop members (9) engage over the spring components (10), leaving a receiving space (12) open, the volume of which corresponds at least to the displacement volume of the elastomeric spring components (10) in the stop position of the stop members (9).

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

(21) Application No.2430/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PACKAGE, METHOD FOR MANUFACTURING A PACKAGE, AND MOLD FOR APPLICATION FOR THE PURPOSE OF SUCH METHOD

(51) International :B65D77/20,B29C51/30,B29D22/00classification

(31) Priority Document No :2010144 (32) Priority Date :18/01/2013

(33) Name of priority country: Netherlands

(86) International Application: PCT/NL2014/050022

No :20/01/2014 Filing Date

(87) International Publication :WO 2014/112876

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

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

(71)Name of Applicant: 1)NABER BEHEER B.V.

Address of Applicant: Van Hilststraat 12, NL-5145 RL

Waalwijk THE NETHERLANDS

(72) Name of Inventor:

1)NABER, Wilhelmus Cornelis Maria

#### (57) Abstract:

Filing Date

A package comprises an entirety of a tray (10) having an open side and a ring-shaped cover rim (20) which is located at the open side of the tray (10), at an outer circumferential rim (16) of the tray (10), and which is connected to the tray (10) through a relatively weak breaking portion (30). For the purpose of manufacturing the package, a mold (41) is provided. Also, a sheet (40) is provided and placed in the mold (41), wherein a movement of the sheet (40) is forced in two different directions. The cover rim (20) is formed with an inner ring (21) in which an inward bulge (28) is realized, along at least a portion of the circumference thereof, as an aids in establishing a clamping connection between the cover rim (20) and the tray (10) once the cover rim (20) has been broken away from the tray (10).

No. of Pages: 34 No. of Claims: 29

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CASTING EQUIPMENT AND CASTING METHOD USING SAME

(51) International :B22D11/12,B22D11/20,B22D11/10

classification .BZZD11/12,BZZD11/20,BZZ

(31) Priority Document No :10-2013-0027910 (32) Priority Date :15/03/2013 (33) Name of priority country:Republic of Korea (86) International

Application No :PCT/KR2014/002153

Filing Date :14/03/2014

(87) International Publication :WO 2014/142597

(61) Patent of Addition to Application Number :NA

Application Number
Filing Date

(22) Printing Date

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

(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)OH, Kyung Shik

2)LEE, Joo Dong 3)CHOI, Jeong Yun 4)KIM, Sung Jool

(57) Abstract:

The present invention relates to casting equipment for producing a casting with a large cross-section for a very thick steel material and a casting method using the same, and the casting equipment includes: a casting part with a passage for a molten steel for casting the molten steel into a casting; a support part arranged separately from the casting part for receiving and supporting the casting in at least one of the sides of the casting; and a solidifying part arranged outside the casting provided with a first quality control device for solidifying the casting, whereby the casting method includes the steps of: preparing a molten steel for casting; casting the molten steel in the casting part with the passage opened or closed into a casting; conveying the casting to the solidifying part; and conveying the solidified casting to a subsequent process so as to improve the quality of the casting, thus increasing substantially the yield rate of castings. In addition, the molten steel is continuously stirred through the quality control device and a solidification inducement device from the start of casting to the end of solidifying the casting so as to enhance the equiaxed surface ratio of the casting, and decrease segregation/porosity and the internal defects such as a pipe generated at an end of the casting. Also, when producing a casting with a large cross-section for a very thick steel material, the casting part can produce another casting continuously while the previous casting is solidified in the solidifying part, thus saving the time consumed for solidifying the casting for a very thick steel material by means of the continuous solidifying part. This prevents the casting process from being stopped, thereby enhancing the productivity of a casting and the efficiency of the casting equipment.

No. of Pages: 39 No. of Claims: 15

(21) Application No.2278/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ELECTRIC PUMP FOR A HYBRID VEHICLE

:WO 2014/143303

(51) International :H02K44/02,F04D31/00,B60K6/22 classification

(31) Priority Document No :61/781,458 (32) Priority Date :14/03/2013

(33) Name of priority country: U.S.A. (86) International Application

:PCT/US2013/076472

:19/12/2013 Filing Date

(87) International Publication

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(57) Abstract:

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant : One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA.

(72)Name of Inventor:

1)WRIGHT, Thomas, A.

2) DAILEY, Ronald E.

mechanical pump and an electric pump. Each pump is constructed and arranged to deliver oil to other portions of the hydraulic system depending on the operational mode. Three operational modes are described including an electric mode, a transition mode, and a cruise mode. Various monitoring and control features are incorporated into the hydraulic system.

A hydraulic system for a hybrid module which is located between an engine and a transmission includes a parallel arrangement of a

No. of Pages: 65 No. of Claims: 19

(21) Application No.2279/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHODS AND APPARATUSES FOR SHORT DATA TRANSMISSION

(51) International :H04W28/06,H04W72/04,H04W74/08

classification ... 104 w 28/00, 104 w /2/04, 1104 w (31) Priority Document No :13/722298

(31) Priority Document No :13//22298 (32) Priority Date :20/12/2012 (33) Name of priority :U.S.A.

country (86) International PCT/TP2012/061

Application No :PCT/IB2013/061159

Filing Date :19/12/2013

(87) International Publication No :WO 2014/097223

(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)OPTIS CELLULAR TECHNOLOGY LLC

Address of Applicant :P.O. Box 250649 Plano TX 75025

U.S.A.

(72)Name of Inventor: 1)MCHARDY Geoffrey 2)TJÄRNLUND Stefan

## (57) Abstract:

A lightweight communication protocol reduces overhead for small data transmissions from a wireless device (30) to a base station (20) over an uplink channel. The wireless device (30) is preconfigured with a device identifier that is known to the base station (20). The preconfigured device identifier is associated with a static tunnel between the base station (20) and a serving gateway. The wireless device (30) transmits application data to the base station (20) in a medium access control packet without using higher layer protocols. When the base station (20) receives the medium access control packet it maps the application data to the tunnel associated with the preconfigured device identifier.

No. of Pages: 25 No. of Claims: 22

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

:29/10/2007

## (54) Title of the invention: GLUCAGON-LIKE-PEPTIDE-2 (GLP-2) ANALOGUES.

(51) International classification :C07K 14/605 (71)Name of Applicant: (31) Priority Document No 1)ZEALAND PHARMA A/S :60/678,066 (32) Priority Date :04/05/2005 Address of Applicant :SMEDELAND 26B, DK-2600 GLOSTRUP DENMARK (33) Name of priority country :U.S.A. (86) International Application No :PCT/GB2006/001633 (72)Name of Inventor : Filing Date :04/05/2006 1)LARSEN BJARNE DUE (87) International Publication No :WO 2006/17565 2) PETERSEN YVETTE MAITA (61) Patent of Addition to Application 3)EBBEHøJ KIRSTEN :NA Number :NA Filing Date (62) Divisional to Application Number :4135/KOLNP/2007

### (57) Abstract:

Filed on

GLP-2 analogues are disclosed which comprise one of more substitutions as compared to [hGly2]GLP-2 and which improved biological activity in vivo and/or improved chemical stability, e.g. as assessed in in vitro stability assays. More particularly, preferred GLP-2 analogues disclosed herein comprise substitutions at one or more of positions 8, 16, 24 and/or 28 of the wild-type GLP-2 sequence, optionally in combination with further substitutions at position 2 (as mentioned in the introduction) and one or more of positions 3, 5, 7, 10 and 11, and/or a deletion of one or more of amino acids 31 to 33 and/or the addition of a N-terminal or C-terminal stabilizing peptide sequence. The analogues are particularly useful for the prophylaxis or treatment of stomach and bowel-related disorders and for ameliorating side effects of chemotherapy.

No. of Pages: 82 No. of Claims: 10

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

:29/10/2007

## (54) Title of the invention: GLUCAGON-LIKE-PEPTIDE-2 (GLP-2) ANALOGUES.

(51) International classification :C07K 14/605 (71)Name of Applicant: (31) Priority Document No 1)ZEALAND PHARMA A/S :60/678,066 (32) Priority Date :04/05/2005 Address of Applicant :SMEDELAND 26B, DK-2600 GLOSTRUP DENMARK (33) Name of priority country :U.S.A. (86) International Application No :PCT/GB2006/001633 (72)Name of Inventor : Filing Date :04/05/2006 1)LARSEN BJARNE DUE (87) International Publication No :WO 2006/117565 2) PETERSEN YVETTE MAITA (61) Patent of Addition to Application 3)EBBEHøJ KIRSTEN :NA Number :NA Filing Date (62) Divisional to Application Number :4135/KOLNP/2007

### (57) Abstract:

Filed on

GLP-2 analogues are disclosed which comprise one of more substitutions as compared to [hGly2]GLP-2 and which improved biological activity in vivo and/or improved chemical stability, e.g. as assessed in in vitro stability assays. More particularly, preferred GLP-2 analogues disclosed herein comprise substitutions at one or more of positions 8, 16, 24 and/or 28 of the wild-type GLP-2 sequence, optionally in combination with further substitutions at position 2 (as mentioned in the introduction) and one or more of positions 3, 5, 7, 10 and 11, and/or a deletion of one or more of amino acids 31 to 33 and/or the addition of a N-terminal or C-terminal stabilizing peptide sequence. The analogues are particularly useful for the prophylaxis or treatment of stomach and bowel-related disorders and for ameliorating side effects of chemotherapy.

No. of Pages: 81 No. of Claims: 8

(21) Application No.2424/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A CONTENT BASED PAYROLL COMPLIANCE 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>	:G06Q40/00 :13/906,202 :30/05/2013 :U.S.A. :PCT/US2014/014561 :04/02/2014 :WO 2014/193490	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 Coast Avenue, Mountain View, California 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)GOYETTE, Steve G. 2)PAI, Yogish 3)MACMARTIN, Robert Bruce
Filing Date (87) International Publication No	:04/02/2014	1)GOYETTE, Steve G. 2)PAI, Yogish
Number Filing Date	:NA :NA	S)MACMARTIN, Robert Bruce
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Payroll jurisdiction metadata for a region is obtained and provided to a payroll calculation source, the payroll calculation source having access to payroll jurisdiction metadata associated with one or more regions. Company and employee data for a company and one or more employees associated with the company is then obtained and provided to a company and employee data source. The payroll jurisdiction metadata for the region and the company and employee data for the company are then provided to a payroll engine where the company and employee data for the company is transformed into regional payroll data for the company for the region using the payroll jurisdiction metadata for the region. The regional payroll data for the region is provided to a financial management system.

No. of Pages: 65 No. of Claims: 45

(21) Application No.2303/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: SYNTHETIC RESIN PLAIN BEARING

:WO 2014/125788

(51) International classification:F16C33/20,B60G3/28,B60G15/06 (71)Name of Applicant: (31) Priority Document No :2013-028455 (32) Priority Date :15/02/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000592

No

:04/02/2014 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)OILES CORPORATION

Address of Applicant: 2-70, Kounan 1-chome, Minato-ku,

Tokvo 1080075 JAPAN

2)OILES DEUTSCHLAND GMBH

(72)Name of Inventor: 1)SAKAIRI, Yoshikazu 2)SAITO, Katsunori 3)HAMRODI, Robert 4)METZLER, Kai

5)IGARASHI, Yoshiteru

#### (57) Abstract:

This synthetic resin plain bearing (1) is equipped with: a synthetic resin upper case (2) affixed to a vehicle body via an attachment member; a synthetic resin lower case (3) superposed by the upper case (2) in a manner so as to be rotatable in a circumferential direction (R) around an axis center (O) with respect to the upper case (2); and a synthetic resin plain bearing piece (5) disposed in the space (4) between the upper case (2) and lower case (3).

No. of Pages: 52 No. of Claims: 11

(21) Application No.2305/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: SYNTHETIC RESIN PLAIN BEARING

(51) International classification:F16C33/20,B60G3/28,B60G15/06 (71)Name of Applicant: (31) Priority Document No :2013-028462

:05/02/2014

(32) Priority Date :15/02/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000603 No

Filing Date

(87) International Publication :WO 2014/125792

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

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

1)OILES CORPORATION

Address of Applicant: 2-70, Kounan 1-chome, Minato-ku,

Tokvo 1080075 JAPAN

2)OILES DEUTSCHLAND GMBH

(72)Name of Inventor: 1)SAKAIRI, Yoshikazu 2)SAITO, Katsunori 3)HAMRODI, Robert 4)METZLER, Kai 5)IGARASHI, Yoshiteru

(57) Abstract:

This synthetic resin plain bearing (1) is equipped with: a synthetic resin upper case (2) affixed to a vehicle body via an attachment member; a synthetic resin lower case (3) superposed by the upper case (2) in a manner so as to be able to rotate in a circumferential direction (R) around an axial center (O) with respect to the upper case (2); and a synthetic resin plain bearing piece (5) disposed in a space (4) between the upper case (2) and lower case (3).

No. of Pages: 48 No. of Claims: 11

(21) Application No.2306/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A POWER TRAIN FOR AN AMPHIBIAN

(51) International classification	:B60F3/00	(71)Name of Applicant:
(31) Priority Document No	:1223107.2	1)GIBBS TECHNOLOGIES LIMITED
(32) Priority Date	:20/12/2012	Address of Applicant : Avenue Road, Nuneaton, Warwickshire
(33) Name of priority country	:U.K.	CV11 4LY UNITED KINGDOM.
(86) International Application No	:PCT/GB2013/053409	(72)Name of Inventor:
Filing Date	:20/12/2013	1)GIBBS, Alan Timothy
(87) International Publication No	:WO 2014/096867	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides, with reference to Figure 1, a power train for an amphibian operable in land and marine modes, the power train comprising a prime mover, at least a first land propulsion means, a first marine propulsion means, a second marine propulsion means, and at least one speed change transmission. The prime mover is arranged to drive the at least first land propulsion means through/via the at least one speed change transmission in land mode, and the prime mover is arranged to drive the first marine propulsion means and the second marine propulsion means through/via the at least one, or another, or combinations of, speed change transmission in marine mode. In addition, the present invention provides an amphibian comprising the power train.

No. of Pages: 31 No. of Claims: 47

(21) Application No.2307/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEMS, CATHETERS, AND RELATED METHODS FOR MAPPING, MINIMIZING, AND TREATING CARDIAC FIBRILLATION

#### (57) Abstract:

Systems, catheters, and related methods for mapping, minimizing, and treating cardiac fibrillation in a patient are configured to provide a map of one or more measurements indicative of a number of electrical circuit cores and distribution of the electrical circuit cores for a duration across a cardiac tissue substrate in the patient"s heart in response to electrical activity in the cardiac tissue substrate, the map being registered onto a representation of the patient"s heart, to identify at least one region of the cardiac tissue substrate having a number of electrical circuit cores that is higher than a predetermined density threshold, to generate a first sample set of lesions.

No. of Pages: 199 No. of Claims: 93

(22) Date of filing of Application :27/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: ANTI-LAMP1 ANTIBODIES AND ANTIBODY DRUG CONJUGATES, AND USES THEREOF

(51) International :A61K39/395,A61P35/00,C12Q1/68 classification

(31) Priority Document No :12306691.2

(32) Priority Date :27/12/2012

(33) Name of priority country: EPO

(86) International Application:PCT/EP2013/078017

:26/12/2013 Filing Date

(87) International Publication :WO 2014/102299

(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)SANOFI

Address of Applicant :54 rue La Boétie, F-75008 Paris

**FRANCE** 

(72) Name of Inventor:

1)BAUDAT, Yves 2)BLANCHE, Francis

3) CAMERON, Béatrice 4)DABDOUBI, Tarik

5)LEFEBVRE, Anne-Marie 6)MATHIEU, Magali 7) MERINO-TRIGO, Ana

8) NUNES, Manoel

#### (57) Abstract:

Antibodies are provided which specifically bind human and Macaca fascicularis lysosomal-associated membrane protein 1 (LAMP1) proteins and immunoconjugates comprising said antibodies conjugated or linked to a growth inhibitory agent. Pharmaceutical compositions comprising antibodies or immunoconjugates of the invention and use of the antibodies or immunoconjugates for the treatment of cancer are also provided, as well as LAMP1 antibodies, isolated nucleic acids, vectors and host cells comprising a sequence encoding said antibodies and the use of said antibody as a diagnostic tool. The application further provides for the detection of LAMP1 gene amplification or gain in cancer cells leading to the determination if patients with cancer are likely to respond to anti-LAMP1 therapy. Therefore, it is proposed an in vitro method of selecting patients with cancer which comprises determining, in a biological sample of a patient with cancer which includes cancer cells, if said patient harbors a LAMP1 gene copy number gain; and selecting the patient based on the presence of LAMP1 gene copy number gain. Anti-LAMP1 therapeutic agent for use for treating cancer in a patient harboring LAMP1 gene copy number gain in cancer cells is further provided.

No. of Pages: 253 No. of Claims: 68

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR OPTIMIZING POWER CONSUMPTION IN A HYBRID ELECTRIC VEHICLE

(51) International :B60W20/00,B60W10/04,B60W10/06 classification

(31) Priority Document No :61/782,476

(32) Priority Date :14/03/2013 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2014/020532

Filing Date :05/03/2014

(87) International Publication No :WO 2014/158848

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

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

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA.

(72)Name of Inventor:

1)RUNDE, Jeffrey, K. 2)WEST, Stephen, T.

3)HYNES, William, J.

# (57) Abstract:

A system and method for optimizing the consumption of fuel in a hybrid electric vehicle is disclosed. A Hybrid Efficiency Index (HEI) is used to quantify a relative efficiency advantage achievable with the expenditure of electrical energy at a given power level. Also disclosed is a minimum efficiency threshold useful for determining which HEI values will result in the optimum use of electrical energy throughout the operation of the vehicle. Methods for adjusting the minimum efficiency threshold with respect to regenerative braking events, storage capacity in the energy storage system, along with other aspects are disclosed as well.

No. of Pages: 40 No. of Claims: 61

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: CONDUCTOR 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>	:12/02/2014 :WO 2014/124958 :NA	(71)Name of Applicant:  1)WAGO VERWALTUNGSGESELLSCHAFT MBH Address of Applicant: Hansastraße 27, 32423 Minden GERMANY (72)Name of Inventor:  1)KÖLLMANN, Hans-Josef 2)GERBERDING, Wolfgang
(61) Patent of Addition to Application		2)GERBERDING, Wolfgang
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A conductor terminal (1) is described having an insulating material housing (2) and having at least one spring-loaded clamping connection (11) in said insulating material housing (2), and having at least one actuation element (4) that is pivotably accommodated in the insulating material housing (2) and is designed to open in each case at least one associated spring-loaded clamping connection (11). The actuation element (4) has two side wall portions (8a, 8b) which are spaced from each other and at least partially enter the insulating material housing (2) with a pivot bearing region (14) and, opposite said pivot bearing region (14), are connected to each other by a transversal connecting part (5) to form a lever arm. The pivot bearing regions (14) of the spaced side wall portions (8a, 8b) of an actuation element (4) form an axis of rotation (D) about which the actuation element (4) is pivotably mounted in the insulating material housing (2). An associated spring-loaded clamping connection (11) is at least partially accommodated in the space between the pivot bearing regions (14) of an actuation element (4). The pivot bearing regions (14) have actuation portions (16) which are each designed to act on an associated clamping spring (17) of a spring-loaded clamping connection (11) when the actuation element (16) is pivoted from a closed position into an open position. The actuation portions (4) are arranged at a distance from each other that is smaller at the pivot bearing regions (14) of the side wall portions (8a, 8b) than the distance between the side wall portions (8a, 8b). The actuation portions (16) extend parallel to the side wall portions (8a, 8b) and are formed integrally with the side wall portions (8a, 8b) in such a way that a guide slot (30) is present between each actuation portion (16) and the associated, directly adjacent side wall portion (8a, 8b). In each case, a guiding connecting part (27) of the insulating material housing (2) enters an associated guide slot (30) for guiding the actuation element (4) when there is a pivoting movement about an axis of rotation (D) in the pivot bearing region (14).

No. of Pages: 33 No. of Claims: 11

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: CONDUCTOR TERMINAL

(51) International classification	:H01R4/48,H01R12/88	(71)Name of Applicant:
(31) Priority Document No	:10 2013 101 409.7	1)WAGO VERWALTUNGSGESELLSCHAFT MBH
(32) Priority Date	:13/02/2013	Address of Applicant :Hansastraße 27, Minden, 32423
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2014/052717	(72)Name of Inventor:
Filing Date	:12/02/2014	1)KÖLLMANN, Hans-Josef
(87) International Publication No	:WO 2014/124960	2)Gerberding, Wolfgang
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A conductor terminal (1) is described having an insulating material housing (2) and having at least one spring-loaded clamping connection (11) in said insulating material housing (2), and having at least one actuation element (3) that is pivotably accommodated in the insulating material housing (2) and is designed to open in each case at least one associated spring-loaded clamping connection (11). The actuation element (3) has two lever arm portions (7a, 7b) which are spaced from each other and at least partially enter the insulating material housing (2) with a pivot bearing region (23) and, at a distance from said pivot bearing region (23), are connected to each other by a transversal connecting part (8) to form a lever arm. The at least one spring-loaded clamping connection (11) is covered by an outer limiting wall (10) of the insulating material housing (2) on the side of the insulating material housing (2) on which the at least one actuation element (3) is provided and side wall portions (29a, 29b) bordering an associated spring-loaded clamping connection (11) extend on both sides into the interior of the insulating material housing (2) from said outer limiting wall (10). The lever arm portions (7a, 7b) of the actuation element (3) border an associated side wall portion (29a, 29b) situated laterally next to a spring-loaded clamping connection (9) when the respective actuation element (3) is the closed state in which it is pivoted down in the direction of the insulating material housing (2).

No. of Pages: 33 No. of Claims: 10

(21) Application No.2336/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention : GEOPOLYMER-BINDER SYSTEM FOR FIRE CONCRETES, DRY FIRE CONCRETE MIX CONTAINING THE BINDER SYSTEM AND ALSO THE USE OF THE MIX

(51) International :C04B28/00,C04B35/043,C04B35/047

classification :C04B28/00,C04B33/043,C04B33/04

(31) Priority Document No :10 2013 001 927.3

(32) Priority Date :04/02/2013 (33) Name of priority

country :Germany

(86) International Application No :PCT/EP2014/051733

Filing Date :29/01/2014

(87) International Publication No :WO 2014/118242

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

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

(71)Name of Applicant:

1)REFRATECHNIK HOLDING GMBH

Address of Applicant : Adalperostraße 82, 85737 Ismaning

GERMANY

(72)Name of Inventor:

1)WERZ, Jennifer

2) KESSELHEIM, Bertram

3)RUDERT, Darina

4)BEIMDIEK, Kai

## (57) Abstract:

The invention relates to an alkaline-activated binder system for fire concretes, which comprises at least one mineral binder and a mineral activator which, in a mixture with water, form a curing geopolymer, where a combination of at least two magnesium components (Mg components) which give an alkaline reaction with water and react with the binder at different times to form a geopolymer is present as activator, where the magnesium components have a different reactivity in respect of atmospheric moisture and/or in respect of the binder. The invention additionally relates to a dry fire concrete mix containing the binder system and also the use of the mix.

No. of Pages: 44 No. of Claims: 16

(22) Date of filing of Application :28/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: METHOD FOR MONITORING DOWNLINK CONTROL CHANNEL IN WIRELESS COMMUNICATION SYSTEM AND DEVICE FOR SAME

(51) International classification (31) Priority Document No :61/748,125 (32) Priority Date :01/01/2013 (33) Name of priority country :U.S.A. (86) International Application No :PCT/KR2014/000018 Filing Date :02/01/2014 :WO 2014/107033

(87) International Publication No (61) Patent of Addition to Application :NA Number

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

:H04W24/00,H04J11/00 | (71)Name of Applicant :

1)LG ELECTRONICS INC.

Address of Applicant: 128, Yeoui-daero Yeongdeungpo-gu

Seoul 150-721 REPUBLIC OF KOREA

(72) Name of Inventor: 1)LEE, Seungmin 2)SEO, Inkwon

3)SEO, Hanbyul

#### (57) Abstract:

The present invention relates to a method and a device by which a user equipment monitors a downlink control channel in a wireless communication system. More specifically, the method comprises a step of monitoring the downlink control channel on a flexible downlink subframe, wherein the flexible downlink subframe is obtained by reconfiguring, for downlink communication, an uplink subframe configured according to a reference UL-DL configuration, the reference UL-DL configuration is configured by the combination of a first UL-DL configuration set for a first cell and a second UL-DL configuration set for a second cell, and the first UL-DL configuration and the second UL-DL configuration are configured so as to change the usage of wireless resources.

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

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: DEVICE AND METHOD FOR TRANSFORMER IN-SITU INSPECTION

(51) International classification: B25J1/00,B25J13/00,G01N21/85 (71) Name of Applicant: 1)ABB TECHNOLOGY AG (31) Priority Document No :13153721.9 (32) Priority Date :01/02/2013 Address of Applicant: Affolternstrasse 44, CH-8050 Zurich (33) Name of priority country **SWITZERLAND** :EPO (86) International Application (72) Name of Inventor: :PCT/US2014/012920 No 1) CHEIM, Luiz V. :24/01/2014

Filing Date

(87) International Publication

:WO 2014/120568

:WO 2014/120568

No
(61) Patent of Addition to
Application Number
Filing Date

NO 2014/120308

4)STAAB, Harald
5)EAKINS, William
6)ROSSANO, Gregory F.
7)ZHANG, Biao

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

8)PATEL, Poorvi
9)BUDYN, Marek

Filing Date (57) Abstract :

An inspection device for use in a fluid container having at least an opening includes a housing sized to fit through the opening. The housing has at least two fluid flow channels extending therethrough, each having an inlet and an outlet, and a pump maintained in the housing within each fluid flow channel. The pumps are selectively controlled to maneuver the housing within the fluid container. The inspection device continues with a method of in-situ inspection of a container having at least one opening to receive a fluid, that includes up-loading a virtual model of the container into a computer, inserting the device into the container, generating a position signal by the device and receiving the position signal on a computer. A virtual image of the device in the virtual model of the container is generated to determine an actual position of the device within the container.

No. of Pages: 22 No. of Claims: 23

(21) Application No.2476/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SCR CATALYTIC CONVERTER HAVING IMPROVED NOX CONVERSION

<ul><li>(51) International 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>	:B01D53/94,B01J35/00,F01N3/20 :10 2013 003 112.5 :25/02/2013 :Germany :PCT/EP2014/053464	<ul> <li>(71)Name of Applicant:</li> <li>1)UMICORE AG &amp; CO. KG</li> <li>Address of Applicant: Rodenbacher Chaussee 4, 63457</li> <li>Hanau-Wolfgang GERMANY</li> <li>(72)Name of Inventor:</li> <li>1)REITH, Christoph</li> </ul>
Filing Date (87) International Publication No	:21/02/2014 :WO 2014/128270	2)SEYLER, Michael
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to the possibility of improving selective catalytic reduction (SCR), which is the selective reaction of nitrogen oxides with ammonia in the exhaust gas of combustion processes on an exhaust-gas catalytic converter suitable therefor - the SCR catalytic converter. For this purpose, materials used in the catalytic converter for storing ammonia are distributed on the catalyst carrier in such a way that, viewed in the flow direction, a region having low ammonia storage capacity is followed by a region of higher ammonia storage capacity.

No. of Pages: 18 No. of Claims: 4

(21) Application No.2477/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FREE-TIPPED AXIAL FAN ASSEMBLY

(51) International classification	:F04D29/38,F04D29/68	(71)Name of Applicant:
(31) Priority Document No	:61/779,186	1)ROBERT BOSCH GMBH
(32) Priority Date	:13/03/2013	Address of Applicant :Postfach 30 02 20, 70442 Stuttgart
(33) Name of priority country	:U.S.A.	GERMANY
(86) International Application No	:PCT/US2014/020985	(72)Name of Inventor:
Filing Date	:06/03/2014	1)VAN HOUTEN, Robert J.
(87) International Publication No	:WO 2014/158937	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A free-tipped axial fan assembly includes a fan having a blade tip geometry which minimizes the adverse effect of a tip gap. The maximum blade thickness exhibits a significant increase adjacent the blade tip. In some constructions, the maximum thickness at the blade tip is at least 100 percent greater than the maximum thickness 0.10 R away from the blade tip. In some constructions, the trailing-edge thickness at the blade tip is approximately the same as the trailing-edge thickness 0.10 R away from the blade tip. In some constructions, the increase in blade thickness follows the square of the distance from the position where the increase begins.

No. of Pages: 35 No. of Claims: 20

(21) Application No.2318/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention : APPARATUS AND METHOD OF TRANSMITTING/RECEIVING SIGNALS IN MOBILE COMMUNICATION SYSTEM SUPPORTING CARRIERS

(51) International classification :H04W24/02 (31) Priority Document No :10-2014-0059113 (32) Priority Date :16/05/2014 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2015/004915 Filing Date :16/05/2015 (87) International Publication No :WO2015/174790 (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)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)SOENGHUN KIM

2)SANGBUM KIM

3)JAEHYUK JANG

4)KYEONGIN JEONG

#### (57) Abstract:

The disclosure relates to methods and systems for converging a 5th-Generation (5G) communication system with technology for Internet of Things (IoT). The disclosure is applicable to intelligent services based on 5G communication and IoT-related technologies. A method for configuring a connection by a terminal is provided, which includes receiving a radio resource control (RRC) message from a base station, determining whether semi-persistent scheduling (SPS) and transmission time interval (TTI) bundling are configured based on the RRC message, determining whether dual connectivity is configured, if the SPS and the TTI bundling are configured, determining whether the TTI bundling is configured for master cell group (MCG) and the SPS is configured for secondary cell group (SCG), if the dual connectivity is configured, and configuring an RRC connection based on the RRC message, if the TTI bundling is configured for the MCG and the SPS is configured for the SCG.

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

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: NOVEL BACTERIOPHAGE AND ANTIBACTERIAL COMPOSITION COMPRISING 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>	:10-2013-0021499 :27/02/2013 :Republic of Korea	(71)Name of Applicant:  1)CJ CHEILJEDANG CORPORATION  Address of Applicant: CJ Cheiljedang Center, 330, Dongho-ro, Jung-gu, Seoul 100-400 REPUBLIC OF KOREA (72)Name of Inventor:  1)SON, Bo Kyung 2)BAE, Gi Duk 3)KIM, Jae Won
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#### (57) Abstract:

Provided is a novel bacteriophage  $\Phi$ CJ21 (KCCM11363P). In addition, the present invention relates to an antibacterial composition including the bacteriophage  $\Phi$ CJ21 (KCCM11363P) as an active ingredient. Further, provided is a method of preventing and/or treating infectious diseases by Clostridium perfringens in animals except for humans using the bacteriophage  $\Phi$ CJ21 (KCCM11363P) or the antibacterial composition containing the bacteriophage  $\Phi$ CJ21 (KCCM11363P) as an active ingredient.

No. of Pages: 25 No. of Claims: 8

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND DEVICE FOR GASIFYING FEEDSTOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F02C1/00 :13/751,983 :28/01/2013 :U.S.A. :PCT/US2013/023606 :29/01/2013 :WO 2014/116267	(71)Name of Applicant:  1)PHG ENERGY, LLC  Address of Applicant:1245 Bridgestone Parkway, LaVergne, TN 37086 UNITED STATES OF AMERICA. (72)Name of Inventor:  1)POTGIETER, Deon, John 2)HOPPER, Billy, Freeman
<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 :NA	3)BROWN, Jeffrey, Scott 4)LOFTIN, Mark, Oliver

## (57) Abstract:

A downdraft gasifier and method of gasification that utilizes a plurality of vertically positioned tubes to create a pyrolysis zone, an oxidation zone beneath the pyrolysis zone and a reduction zone beneath the oxidation zone. The shape of the tubes eliminates the need for a restriction (hearth), which limits the maximum achievable throughput. A rotating and vertically adjustable grate is located beneath, but not attached to, the reduction zone of the gasifier.

No. of Pages: 47 No. of Claims: 49

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR OPTIMIZING HYBRID VEHICLE BATTERY USAGE CONSTRAINTS

(51) International :B60W10/24,B60W10/26,B60W20/00

classification ... Boow 10/24,Boow 10/20,Boow

(31) Priority Document No: 61/782,275
(32) Priority Date: 14/03/2013
(33) Name of priority country: U.S.A.

(86) International :PCT/US2014/020390

Application No :PC1/US2014/020390

Filing Date :04/03/2014

(87) International Publication No :WO 2014/158823

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

Filing Date
(62) Divisional to
Application Number
Filing Date

SAA
:NA
:NA

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA.

(72)Name of Inventor:

1)WEST, Stephen, T.

2) RUNDE, Jeffrey, K.

3) RUES, Aaron

## (57) Abstract:

A hybrid system including a hybrid control module for operating the hybrid system to as to have its energy storage device meet a predetermined service life metric is disclosed. The hybrid control module stores experimental information indicative of the impact of certain usage parameters on the service life of the energy storage device, monitors the actual usage parameters observed during operation of the hybrid system, and dynamically determines a maximum operating temperature for the energy storage device in order to increase or decrease its utilization by the hybrid system.

No. of Pages: 34 No. of Claims: 22

(21) Application No.2473/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD FOR PRODUCING METALLURGICAL COKE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C10B57/04 :2013-031743 :21/02/2013 :Japan :PCT/JP2014/052993 :10/02/2014 :WO 2014/129337 :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)NAGAYAMA Mikiya 2)FUKADA Kiyoshi 3)MATSUI Takashi 4)DOHI Yusuke
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The purpose of the present invention is to produce a coke having higher strength than conventional cokes by optimizing the relationship between the maximum fluidity (MF) of a blended coal and the total inert ingredient content (TI). A method for producing a metallurgical coke by carbonizing a blended coal comprising coals sold under multiple brand names, wherein a blended coal having such properties that the total inert ingredient content (TI) falls within the range from 3.5 to 25.0 vol.% and the maximum fluidity (logMF) falls within the range from 1.8 to 2.3 log ddpm as measured by a Gieseler plastometer method is used as the blended coal.

No. of Pages: 28 No. of Claims: 3

(21) Application No.2334/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: PYRAN AS FLORAL ODORANT

(51) International :C07D309/06,A61Q13/00,C07D309/26

classification

(31) Priority Document No:13154879.4 (32) Priority Date

:12/02/2013

(33) Name of priority

:EPO

country

(86) International

:PCT/EP2014/052114

Application No Filing Date

:04/02/2014

(87) International

:WO 2014/124834

Publication No (61) Patent of Addition to

:NA **Application Number** :NA

Filing Date

:NA

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

:NA

(57) Abstract:

(71)Name of Applicant: 1)FIRMENICH SA Address of Applicant: 1, route des Jeunes, P. O. Box 239, CH-1211 Geneva 8 SWITZERLAND (72)Name of Inventor: 1)COULOMB Julien

The present invention relates to a composition of matter comprising 1) at least 70 % of at least a compound of formula (I) in the form of any one of its stereoisomers or a mixture thereof, and wherein R represents - a hydrogen atom and the dotted line represents a carbon-carbon single or double bond; or - a CH2 group bonded with C4 and C5 and the dotted line represents a carbon-carbon single bond; 2) at most 30% of at least a compound of formula (II) in the form of any one of its stereoisomers or a mixture thereof, and wherein R represents - a hydrogen atom and the dotted line represents a carbon-carbon single or double bond; or - a CH2 group bonded with C4 and C5 and the dotted line represents a carbon-carbon single bond; and wherein the percentages are w/w percentages relative to the total weight of the composition. Said compositions are useful perfuming ingredients of the floral, lily of the valley type.

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

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF SUCCINIC ACID ESTER

(51) International classification	:C07C67/08	(71)Name of Applicant:
(31) Priority Document No	:1321627.0	1)JOHNSON MATTHEY DAVY TECHNOLOGIES
(32) Priority Date	:06/12/2013	LIMITED
(33) Name of priority country	:U.K.	Address of Applicant :10 Eastbourne Terrace, London W2
(86) International Application No	:PCT/GB2014/053588	6LG UNITED KINGDOM.
Filing Date	:02/12/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2015/082915	1)SMIDT, Martin Lucas
(61) Patent of Addition to Application	:NA	2)CAMPBELL, Ian
Number		3)REED, Graham
Filing Date	:NA	4)GORDON, Paul
(62) Divisional to Application Number	:NA	5)FERGUSON, Christopher
Filing Date	:NA	-

### (57) Abstract:

A process for the production of dialkyl succinate from a bio-succinic acid feedstock comprising the steps of: feeding bio-succinic acid to a point at or near the bottom of a reaction distillation zone column operated at temperatures and pressures to enable esterification of the succinic acid and passing said stream co-currently with upflowing alkanol such that said esterification reaction occurs: removing an overhead vapour stream from at or near the top of the reaction distillation zone column comprising di-ester, alkanol, water of esterification and organic components and passing said stream to an alkanol separation column where the alkanol is separated from the water of esterification and from the organic components; removing a side draw from the alkanol separation column from a point below the feed point thereto, said side draw comprising partially immiscible organic and aqueous phases; passing said organic phase to a column where the dialkyl succinate is separated from residual water and other organic components; and recovering the dialkyl succinate.

No. of Pages: 58 No. of Claims: 29

(22) Date of filing of Application :29/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD FOR SHARING WIRELESS RESOURCE INFORMATION IN MULTI-CELL WIRELESS COMMUNICATION SYSTEM AND APPARATUS FOR SAME

(51) International :H04W24/10,H04W16/24,H04W72/00

classification (31) Priority Document No :61/747,361

(32) Priority Date :30/12/2012

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

(86) International Application No :PCT/KR2013/012387

Filing Date :30/12/2013

(87) International

Publication No :WO 2014/104854

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to
Application Number
Filing Date

:NA
:NA

(71)Name of Applicant:

1)LG ELECTRONICS INC.

Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu,

Seoul 150-721 REPUBLIC OF KOREA

(72)Name of Inventor: 1)LEE, Seungmin

2)PARK, Jonghyun 3)SEO, Inkwon

4)SEO, Hanbyul

## (57) Abstract:

The present invention relates to a method and an apparatus for reporting channel state information of user equipment in a multi-cell wireless communication system. More particularly, the present invention comprises the steps of: receiving from a serving cell information on interference measurement resources (IMR) linked to at least one channel state information process (CSI process) and at least one item of CSI measurement information with respect to a plurality of wireless resource sets having different interference characteristics; and reporting channel state information with respect to a specific wireless resource set according to at least one item of information on the IMR and the at least one item of CSI measurement information, wherein the wireless resource sets are defined so that uplink-downlink status changes depending on a system load state, and are linked to different channel state estimation processes.

No. of Pages: 76 No. of Claims: 9

(22) Date of filing of Application :29/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: METHOD FOR PRODUCING METALLURGICAL COKE

(51) International classification	:C10B57/04	(71)Name of Applicant:
(31) Priority Document No	:2013-031741	1)JFE STEEL CORPORATION
(32) Priority Date	:21/02/2013	Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-
(33) Name of priority country	:Japan	ku, Tokyo 1000011 JAPAN
(86) International Application No	:PCT/JP2014/052989	(72)Name of Inventor:
Filing Date	:10/02/2014	1)FUKADA Kiyoshi
(87) International Publication No	:WO 2014/129336	2)MATSUI Takashi
(61) Patent of Addition to Application	:NA	3)DOHI Yusuke
Number	:NA	4)NAGAYAMA Mikiya
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a method for producing a metallurgical coke having excellent quality including strength by blending, as coals constituting a blended coal, coals that are sold under multiple brand names and are effective for improving the strength of a coke with each other properly. Specifically provided is a technique for producing a high-strength coke using a coal having a small inert ingredient content which has been rarely used so far as a raw material for the production of a coke. A method for producing a metallurgical coke by carbonizing a blended coal comprising coals sold under multiple brand names, wherein 10 to 75 mass% inclusive of a low-inert-ingredient-content coal having a maximum fluidity of 80 to 3000 ddpm inclusive and an inert ingredient content of 3.5 to 11.7 vol.% inclusive is added to the blended coal.

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MANAGING APPLICATIONS ON A CLIENT DEVICE

(51) International classification	:G06F9/44,G06F3/048	(71)Name of Applicant:
(31) Priority Document No	:13/764,005	1)GOOGLE INC.
(32) Priority Date	:11/02/2013	Address of Applicant :1600 Amphitheatre Parkway, Mountain
(33) Name of priority country	:U.S.A.	View, California 94043 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2013/067549	(72)Name of Inventor:
Filing Date	:30/10/2013	1)STEKKELPAK, Zoltan
(87) International Publication No	:WO 2014/123592	2)SIMONYI, Gyula
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	NT.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and methods for managing applications on a mobile device. One method includes: receiving context data related to the mobile device; assigning a situational utility score to one or more applications available in an application repository by analyzing the context data and tags associated with the one or more applications to determine which applications have situational usefulness; and when a first application has a situational utility score greater than a first threshold value, displaying a prompt on the mobile device to install the first application.

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: HONEYCOMB CATALYST AND METHOD FOR MANUFACTURING HONEYCOMB CATALYST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:28/01/2015 : NA :NA :NA :NA	(71)Name of Applicant: 1)IBIDEN CO., LTD. Address of Applicant:1, KANDACHO 2-CHOME, OGAKI-SHI, GIFU 5038604 JAPAN (72)Name of Inventor: 1)YOSHIMURA KEN 2)YANG LU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The purpose of the present invention is to provide a honeycomb catalyst comprising a titanium oxide, a vanadium oxide, and a tungsten oxide, wherein even if the vanadium oxide content of the honeycomb catalyst is low, the honeycomb catalyst has sufficient NOx purification performance. This honeycomb catalyst comprises a titanium oxide, a vanadium oxide, and a tungsten oxide and is characterized in that: the vanadium oxide content of the honeycomb catalyst is from 0.3 to 5.0% by weight; and in a radial distribution function as obtained by subjecting to Fourier transformation a spectrum of the extended X-ray absorption fine structure (EXAFS) at a K-absorption edge of tungsten in the honeycomb catalyst, the height of a peak due to a vanadium atom positioned within a range of 2.4 to 2.5Å of an interatomic distance from a tungsten atom is 0.05Å or more per % by weight of the vanadium oxide content in the honeycomb catalyst.

No. of Pages: 46 No. of Claims: 13

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PERMANENT MAGNET MOTOR DEGRADATION DIAGNOSTICS SYSTEM

(51) International classification	:H02K19/08,H02K15/02,H02K15/03	(71)Name of Applicant: 1)TRANE INTERNATIONAL INC.
(31) Priority Document No	:61/748,231	Address of Applicant :One Centennial Avenue, Piscataway,
(32) Priority Date	:02/01/2013	NJ 08855 UNITED STATES OF AMERICA.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor: 1)WEST, Nathan, Thomas
(86) International Application No Filing Date	:PCT/US2014/010045 :02/01/2014	2)FOYE, David, Marshall
(87) International Publication No	:WO 2014/107496	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Techniques for motor magnet degradation controls and diagnostics are disclosed. An exemplary technique determines q-axis current, d-axis current, q-axis voltage, and/or d-axis voltage of a permanent magnet motor based upon sensed current and voltage information of the motor. This information is utilized to determine flux information. The flux information is utilized in evaluating collective state conditions of a plurality of motor magnets and evaluating localized state conditions of a subset of the plurality of motor magnets. The evaluations can be used to identify degradation or damage to one or more of the magnets which may occur as a result of elevated temperature conditions, physical degradation, or chemical degradation.

No. of Pages: 32 No. of Claims: 40

(21) Application No.2501/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FREE-SPACE OPTICAL MESH NETWORK

(51) International classification	:H04B10/112	(71)Name of Applicant:
(31) Priority Document No	:61/839,045	1)RAYTHEON COMPANY
(32) Priority Date	:25/06/2013	Address of Applicant :870 Winter Street, Waltham,
(33) Name of priority country	:U.S.A.	Massachusetts 02451-1449 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2014/032456	(72)Name of Inventor:
Filing Date	:01/04/2014	1)MINISCALCO, William, J.
(87) International Publication No	:WO 2014/209457	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system is disclosed for implementing an adaptive free-space optical network with a high-connectivity, dynamic mesh topology where each node has one or more optical terminals that may utilize space-time division multiplexing, which entails rapid spatial hopping of optical beams to provide a high dynamic node degree without incurring high cost or high size, weight, and power requirements. As a consequence the network rapidly sequences through a series of topologies, during each of which connected nodes communicate. Each optical terminal may include a plurality of dedicated acquisition and tracking apertures which can be used to increase the speed at which traffic links can be switched between nodes and change the network topology. An RF overlay network may be provided to act as a control plane and be used to provide node discovery and adaptive route planning for the optical network.

No. of Pages: 41 No. of Claims: 23

(21) Application No.2238/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR SUPPORTING MOBILITY OF MOBILE STATION IN WIRELESS COMMUNICATION SYSTEM

:H04W8/08,H04W36/02 | (71)Name of Applicant : (51) International classification (31) Priority Document No :1020130000200 1)SAMSUNG ELECTRONICS CO. LTD. (32) Priority Date :02/01/2013 Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2013/012033 (72) Name of Inventor: Filing Date 1)PARK Jung Shin :23/12/2013 :WO 2014/106999 (87) International Publication No 2)TAORI Rakesh (61) Patent of Addition to Application 3)SON Yeong Moon :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A Mobile Station (MS) in a wireless communication system is provided. The MS includes generating a message for requesting to generate a service flow the message comprising mobility management information of the service flow and transmitting the message comprising the mobility management information. The mobility management information is used to determine whether the service flow requires an anchor.

No. of Pages: 33 No. of Claims: 15

(21) Application No.2239/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention : CHECK VALVE FOR VENTILATION OR OUTLET OPENINGS OF COMPRESSED AIR APPARATUSES IN VEHICLES

(51) International classification: F16K7/12,B60T13/66,B60T13/68 (71) Name of Applicant: (31) Priority Document No 1)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE :10 2013 100 778.3 (32) Priority Date :25/01/2013 **GMBH** (33) Name of priority country Address of Applicant : Moosacher Str. 80 80809 München :Germany (86) International Application Germany :PCT/EP2014/051405 (72) Name of Inventor: :24/01/2014 Filing Date 1)MENYHART Laszlo (87) International Publication 2)GREBE Jan :WO 2014/114750 3)FOJTYIK Gabor (61) Patent of Addition to 4)BEMETZ Thomas :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention relates to a ventilation or check valve for ventilation or outlet openings of compressed air apparatuses in vehicles comprising at least one diaphragm disc (2) which is made of flexible material is held with a central region in a bore of a valve housing and is prestressed with a radially outer region against a valve seat (4) on the valve housing (4) in order to lift off from the valve seat (4) in a pressure induced manner in the event of a pressure gradient between an input space and an output space or the atmosphere and to open a flow cross section between the input space and the output space or the atmosphere. According to the invention a plurality of holders (5 6) are provided on the valve housing (3) as seen in the circumferential direction of the diaphragm disc (2) said holders being arranged at a circumferential distance from one another and locally holding down the radially outer region of the diaphragm disc (2) against the valve seat (4).

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

(21) Application No.2240/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: FLEXIBLE CRASH BARRIER WITH IMPROVED IMPACT ENERGY ABSORBING CAPACITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:1020130005212 :17/01/2013 :Republic of Korea	(71)Name of Applicant:  1)KCE ENG CO. LTD.  Address of Applicant:#1105 11th floor Anyang Venturetel 167 Simin daero Dongan gu Anyang si Gyeonggi do 431 811 Republic of Korea (72)Name of Inventor:  1)YUN Jong Nam
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#### (57) Abstract:

The present invention comprises: a plurality of supports; a guard rail; and connection parts which are inclined so as to mutually connect the supports and the guard rail at certain intervals such that an impact energy absorbing capacity can be improved by preventing impact energy from being directly applied to the supports in a direction orthogonal to the guard rail.

No. of Pages: 34 No. of Claims: 6

(22) Date of filing of Application :03/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : NON-PERPENDICULAR CONNECTIONS BETWEEN COKE OVEN UPTAKES AND A HOT COMMON TUNNEL, AND ASSOCIATED SYSTEMS AND METHODS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:13/830,971	1)SUNCOKE TECHNOLOGY AND DEVELOPMENT,
(32) Priority Date	:14/03/2013	LLC
(33) Name of priority country	:U.S.A.	Address of Applicant: 1011 Warren Road 6th Floor, Lisle,
(86) International Application No	:PCT/US2014/028019	Illinois 60532 UNITED STATES OF AMERICA.
Filing Date	:14/03/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/152860	1)CHUN, Ung-Kyung
(61) Patent of Addition to Application	:NA	2)CHOI, Chun Wai
Number		3)KAPLAREVIC, Milos
Filing Date	:NA	4)QUANCI, John Francis
(62) Divisional to Application Number	:NA	5)KAPOOR, Rajat
Filing Date	:NA	

#### (57) Abstract:

The present technology is generally directed to non-perpendicular connections between coke oven uptakes and a hot common tunnel, and associated systems and methods. In some embodiments, a coking system includes a coke oven and an uptake duct in fluid communication with the coke oven. The uptake duct has an uptake flow vector of exhaust gas from the coke oven. The system also includes a common tunnel in fluid communication with the uptake duct. The common tunnel has a common flow vector and can be configured to transfer the exhaust gas to a venting system. The uptake flow vector and common flow vector can meet at a non-perpendicular interface to improve mixing between the flow vectors and reduce draft loss in the common tunnel.

No. of Pages: 44 No. of Claims: 24

(21) Application No.2524/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/08/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: TURBINE MECHANISM

(51) International classification: F03B3/14,F03B13/26,F03D11/00 (71) Name of Applicant: 1)ISHIKAWA Natsunojo (31) Priority Document No :2013-035253 (32) Priority Date :26/02/2013 Address of Applicant: 495-10, Oaza Kinome, Kawagoe-shi,

(33) Name of priority country Saitama 3500016 JAPAN :Japan

(86) International Application (72) Name of Inventor: :PCT/JP2014/053792 1) ISHIKAWA Natsunojo :18/02/2014 Filing Date

(87) International Publication :WO 2014/132842

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

:NA Number :NA Filing Date

(57) Abstract:

)A turbine mechanism (4A) comprises the following: a rotation shaft (10); a pair of swinging blades (30) disposed so as to be point symmetric with respect to the rotation shaft (10); and a rotation plate (20) that connects the pair of swinging blades (30) and the rotation shaft (10) so that the pair of swinging blades (30) are integrally formed and rotate about the rotation shaft (10). The swinging blades (30) are disposed so as to freely oscillate between a standing posture where the swinging blades stand against the flow direction of a liquid, and a yield posture where the swinging blades yield in accordance with the flow direction of the fluid. The swinging blades (30) have a yield lift generating surface that generates lift for the yield posture as a result of the collision with the fluid, and a standing lift generating surface that generates lift for the standing posture as a result of the collision with the fluid.

No. of Pages: 31 No. of Claims: 4

(22) Date of filing of Application :22/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : VARIABLE FREQUENCY DRIVE ACTIVE HARMONIC MITIGATION CONTROLS AND DIAGNOSTICS

(51) International classification :H02P27/06,H02M1/12 | (71)Name of Applicant : (31) Priority Document No :61/755,197 1)TRANE INTERNATIONAL INC. (32) Priority Date Address of Applicant: One Centennial Avenue, Piscataway, :22/01/2013 (33) Name of priority country NJ 08855 UNITED STATES OF AMERICA. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2014/012431 Filing Date :22/01/2014 1) WEST, Nathan, Thomas (87) International Publication No :WO 2014/116627 2)SYKORA, Benjamin, James (61) Patent of Addition to Application 3) FOYE, David, Marshall :NA Number 4) ANDERSON, Korwin, Jay :NA Filing Date 5) WATERS, William, James (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Variable frequency drive active harmonic mitigation controls and diagnostics are disclosed. Exemplary controls and diagnostics include operating a variable frequency drive including converting an AC input line voltage to a DC voltage, generating a motor drive signal using the DC voltage, and driving an electric motor with the motor drive signal. A harmonic mitigation signal is provided to the drive configured to at least partially mitigate harmonics during the operation of the drive. The harmonic mitigation signal is inhibited based upon presence of an error condition associated with the drive input. The inhibiting is terminated based upon the absence of the error condition. A diagnostic fault condition based upon a number of occurrences of the error condition.

No. of Pages: 28 No. of Claims: 30

(22) Date of filing of Application :22/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR INTRUSION AND EXTRUSION DETECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:24/11/2014 :WO 2015/102776 :NA :NA	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 Coast Avenue, Mountain View, California 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)CABRERA, Luis Felipe 2)LIETZ, M. Shannon
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A hypervisor includes an analysis trigger monitoring system. One or more analysis trigger parameters are defined and analysis trigger data representing the analysis trigger parameters is generated. The analysis trigger data is then provided to the analysis trigger monitoring system and the analysis trigger monitoring system is used to monitor at least a portion of the message traffic sent to, and/or sent from, a virtual asset controlled by the hypervisor to detect any message including one or more of the one or more analysis trigger parameters. A copy of at least a portion of any detected message including one or more of the one or more analysis trigger parameters is then transferred to one or more analysis systems for further analysis.

No. of Pages: 46 No. of Claims: 28

(21) Application No.2397/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING INITIAL ACCESS PROCEDURE IN WIRELESS 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> </ul>	:61/756,473 :25/01/2013 :U.S.A. :PCT/KR2014/000690 :24/01/2014 :WO 2014/116049 :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)YI, Yunjung 2)HWANG, Daesung 3)AHN, Joonkui
(61) Patent of Addition to Application	:NA :NA	, ,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for and apparatus for performing an initial access procedure in a wireless communication system is provided. A wireless device detects a discontinuous transmission (DTX) cell that operates in a discontinuous transmission (DTX) state by receiving a discovery signal from the DTX cell; transmits an initial request message to the DTX cell to request the DTX cell to transition from the DTX state to a continuous transmission (TX) state.

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

(22) Date of filing of Application :22/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: VARIABLE DOSE DISPENSING OF MEDICATION

(51) International classification	:G06F19/00	(71)Name of Applicant:
(31) Priority Document No	:13/754,724	1)CAREFUSION 303, INC.
(32) Priority Date	:30/01/2013	Address of Applicant :3750 Torrey View Court, San Diego,
(33) Name of priority country	:U.S.A.	California 92130 UNITED STATES OF AMERICA.
(86) International Application No		(72)Name of Inventor:
Filing Date	:22/01/2014	1)UTECH, Thomas
(87) International Publication No	:WO 2014/120533	2)DAVIS, Kim E.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)JASKELA, Maria C.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A variable dose dispensing system may include a processor and memory. The processor may receive a request for a variable dose order of a medication, such as from a user. The processor may request an amount of the medication to be administered, and receive, in response to the request, an indication of the amount to be administered. The processor may verify that the amount to be administered is within a range of the variable dose order. The processor may determine an item in a local inventory that contains at least the amount of the medication to be administered, and may dispense the item. If an amount of the dispensed item exceeds the amount to be administered, such as by a waste amount, the processor may display an indication of the waste amount to the user, and may transmit a notification of the waste amount, such as to a management server.

No. of Pages: 41 No. of Claims: 24

(21) Application No.2541/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: VALVE CONTROL DEVICE AND VALVE 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F01P7/16,F02D45/00 :2013-028595 :18/02/2013 :Japan :PCT/JP2014/052079 :30/01/2014 :WO 2014/125929 :NA :NA	(71)Name of Applicant:  1)MIKUNI CORPORATION Address of Applicant:13-11, Sotokanda 6-chome, Chiyoda-ku, Tokyo 1010021 JAPAN (72)Name of Inventor: 1)YOKOYAMA Munekazu
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This valve control device, which controls a drive device that drives a valve, is provided with: an operation quantity calculation unit that calculates the operation quantity of the drive device at a predetermined sampling period on the basis of the control deviation between the target value for the valve aperture and the actually measured value for the valve aperture; a state determination unit that determines that the valve is in either a stationary state or a transient state; and a first correction unit that, when it has been determined by the state determination unit that the valve is in the stationary state, outputs a predetermined first correction value that is in accordance with the sign of the control deviation, and corrects the operation quantity calculated by the operation quantity calculation unit by the first correction value.

No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LIGHT EMITTING DIODE AND METHOD OF FABRICATING 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>	:H01L33/36 :10-2012-0150388 :21/12/2012 :Republic of Korea	(71)Name of Applicant:  1)SEOUL VIOSYS CO., LTD.  Address of Applicant: 1B-36, 727-5, Wonsi-dong, Danwongu, Ansan-si, Gyeonggi-do 425-851 REPUBLIC OF KOREA
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:PCT/KR2013/011914 :20/12/2013 :WO 2014/098510 :NA :NA :NA	(72)Name of Inventor: 1)LEE, Seom Guen 2)KIM, Jong Kyu 3)YOON, Yeo Jin 4)KIM, Jae Kwon 5)KIM, Mae Yi

#### (57) Abstract:

Exemplary embodiments of the present invention provide a light emitting diode including a first light emitting cell and a second light emitting cell disposed on a substrate and spaced apart from each other a first transparent electrode layer disposed on the first light emitting cell and electrically connected to the first light emitting cell a current blocking layer disposed between a portion of the first light emitting cell and the first transparent electrode layer an interconnection electrically connecting the first light emitting cell and the second light emitting cell and an insulation layer disposed between the interconnection and a side surface of the first light emitting cell. The current blocking layer and the insulation layer are connected to each other.

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

(21) Application No.2251/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: COOLING ARRANGEMENT OF A PUMP INTENDED FOR PUMPING A LIQUID

(51) International classification :F04B17/03,F04B53/08,F04D29/40

(31) Priority Document No :12514246 (32) Priority Date :14/12/2012

(32) Priority Date :14/12/20 (33) Name of priority country :Sweden

(86) International Application :PCT/EP2013/075217

No :02/12/2013

Filing Date
(87) International Publication

:WO 2014/090613

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

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)XYLEM IP MANAGEMENT S.À.R.L.

Address of Applicant: L 1259 Senningerberg Luxembourg

(72)Name of Inventor:
1)BRATTHÄLL Johan

### (57) Abstract:

The invention relates to a pump for pumping liquid the pump comprising a drive unit (3) and a heat sink (23) connected to said drive unit (3) which heat sink is arranged to carry off heat that is generated in said drive unit during operation of the pump the drive unit comprising a motor compartment (10) that in the radial direction is delimited by a motor casing (22) and that accommodate an electric motor (17) having a stator (16) a coupling compartment (11) that at least partly is delimited by a pump top casing (14) and that accommodate a power supply component (15) an upper partition (20) that is arranged between said motor compartment (20) and said coupling compartment (11). The pump is characterized in that the motor casing (22) comprises an outer jacket (24) that is connected to and that in the axial direction extends between the upper partition (20) and the heat sink (23) an inner stator housing (25) that extends between the stator (16) and the heat sink (23) and a gas filled gap (26) that in the radial direction separate the outer jacket (24) and the inner stator housing (25).

No. of Pages: 16 No. of Claims: 12

(21) Application No.2253/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: SYSTEMS FOR WATER EXTRACTION

(51) International :B01D61/00,B01D61/02,B01D61/08

classification

(31) Priority Document No :PA 2013 00107 (32) Priority Date :25/02/2013 (33) Name of priority country:Denmark

(86) International :PCT/EP2014/053519

Application No :24/02/2014

Filing Date

(87) International Publication :WO 2014/128293

(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)AQUAPORIN A/S

Address of Applicant :Ole Maaløes Vej 3 DK 2200

Copenhagen N Denmark (72)Name of Inventor: 1)MENTZEL Søren 2)PERRY Mark Edward

3)VOGEL Jörg

4)BRAEKEVELT Sylvie 5)GESCHKE Oliver

6)LARSEN Marianne Eleonora Spanget

## (57) Abstract:

The present invention relates to a water extraction system comprising a flow cell comprising a membrane; said membrane comprising an active layer comprising immobilized aquaporin water channels and a support layer and said membrane having a feed side and a non feed side; and an aqueous source solution in fluid communication with the feed side of the membrane.

No. of Pages: 46 No. of Claims: 26

(21) Application No.2254/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: SYK KINASE INHIBITORS AS TREATMENT FOR MALARIA

(51) International :A61K31/045,A61K31/506,A61K31/505 classification

:PCT/US2013/075995

:61/738888

(31) Priority Document

(32) Priority Date :18/12/2012 (33) Name of priority :U.S.A.

country

(86) International

Application No

:18/12/2013 Filing Date

(87) International

:WO 2014/100113 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)HULOW LLC

Address of Applicant :4065 Commercial Ave. Northbrook IL

60062 U.S.A.

(72) Name of Inventor:

1)LOW Philip S.

2) TURRINI Francesco Michelangelo

3) KESELY Kristina Rose

## (57) Abstract:

The disclosure relates to methods compositions and kits for treatment of parasite mediated disease. In one embodiment the disclosure relates to compounds compositions methods and kits for the treatment of malaria. In still another embodiment the disclosure relates to a method for treating malaria comprising the use of a Syk kinase inhibitor.

No. of Pages: 97 No. of Claims: 20

(21) Application No.2550/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: LOW DELAY MODULATED FILTER BANK

(51) International classification	:G06F17/10	(71)Name of Applicant :
(31) Priority Document No	:0900217-1	1)DOLBY INTERNATIONAL AB
(32) Priority Date	:18/02/2009	Address of Applicant :APOLLO BUILDING, 3E,
(33) Name of priority country	:Sweden	HERIKERBERGWEG 1-35, 1101 CN AMSTERDAM
(86) International Application No	:PCT/EP2010/051993	ZUIDOOST THE NETHERLANDS
Filing Date	:17/02/2010	(72)Name of Inventor:
(87) International Publication No	:WO/2010/094710	1)EKSTRAND, PER
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:3178/KOLNP/2011	
Filed on	:27/07/2011	

### (57) Abstract:

The document relates to modulated sub-sampled digital filter banks, as well as to methods and systems for the design of such filter banks. In particular, the present document proposes a method and apparatus for the improvement of low delay modulated digital filter banks. The method employs modulation of an asymmetric low-pass prototype filter and a new method for optimizing the coefficients of this filter. Further, a specific design for a (64) channel filter bank using a prototype filter length of (640) coefficients and a system delay of (319) samples is given. The method substantially reduces artifacts due to aliasing emerging from independent modifications of subband signals, for example when using a filter bank as a spectral equalizer. The method is preferably implemented in software, running on a standard PC or a digital signal processor (DSP), but can also be hardcoded on a custom chip. The method offers improvements for various types of digital equalizers, adaptive filters, multiband companders and spectral envelope adjusting filterbanks used in high frequency reconstruction (HFR) or parametric stereo systems.

No. of Pages: 48 No. of Claims: 16

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: VARIABLE FREQUENCY DRIVE OVERVOLTAGE PROTECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:61/753,471 :17/01/2013 :U.S.A.	(71)Name of Applicant:  1)TRANE INTERNATIONAL INC. Address of Applicant: One Centennial Avenue, Piscataway, NJ 08855 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)WEST, Nathan, Thomas 2)FOYE, David, Marshall 3)ANDERSON, Korwin, Jay
(61) Patent of Addition to Application	:NA	

#### (57) Abstract:

Overvoltage protection apparatuses systems and methods for variable frequency motor drives are disclosed. In an exemplary embodiment a variable frequency motor drive system including a rectifier a DC bus electrically coupled with the rectifier and an inverter electrically coupled with the DC bus is provided. A protection device electrically coupled with the rectifier and configured to interrupt power supply to the system based upon fault conditions is provided. A controller is provided and configured to receive information indicative of a voltage of the DC bus process the received information to model a condition of at least one component of the variable frequency motor drive and control the protection device to interrupt power supply to the variable frequency motor drive if the modeled condition meets a fault criterion.

No. of Pages: 29 No. of Claims: 22

(22) Date of filing of Application :23/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: COMPOSITIONS CONTAINING CHONDROITIN SULPHATE, PROTEOLYTIC ENZYMES AND SULPHYDRYL COMPOUNDS FOR IMPROVING THE BIOAVAILABILITY OF CHONDROITIN SULPHATE

(51) International : A61K38/06, A61K38/48, A61K31/737

classification (31) Priority Document No: MI2013A000117

(32) Priority Date :25/01/2013

(33) Name of priority

:Italy country

(86) International :PCT/EP2014/051308 Application No

:23/01/2014 Filing Date

(87) International

:WO 2014/114706

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

:NA :NA Filing Date

Publication No

(62) Divisional to **Application Number**  (71)Name of Applicant: 1)GNOSIS S.P.A.

Address of Applicant: Piazza del Carmine, 4, I-20121 Milano

**ITALY** 

(72) Name of Inventor: 1)MIRAGLIA, Niccolò 2) ROSSINI, Mauro 3)BIANCHI, Davide

4)TRENTIN, Antonella

## (57) Abstract:

The present invention describes combinations comprising chondroitin sulphate (CS), one or more enzymes or enzymatic mixtures possessing proteolytic activity, and sulphydryl compounds, for the treatment and prevention of osteoarthritis and correlated acute and chronic inflammatory processes, or as nutraceutical compositions for the maintenance of musculoskeletal well-being in humans and animals. The characteristic of said combinations is that they increase the intestinal absorption of CS when administered orally. The effect of said combinations is exerted on a wide range of molecular weights of CS, including CS samples with very low molecular weights which already possess greater bioavailability than samples with a higher molecular weight. The effect is exerted on CS samples of any origin.

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

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR VIRTUAL ASSET ASSISTED EXTRUSION AND INTRUSION DETECTION IN A CLOUD COMPUTING ENVIRONMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G06F15/177 :14/171,438 :03/02/2014 :U.S.A. :PCT/US2014/057757 :26/09/2014 :WO 2015/116258 :NA :NA	(71)Name of Applicant: 1)INTUIT INC. Address of Applicant: 2700 Coast Avenue Mountain View, California 94043 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)LIETZ, M. Shannon 2)CABRERA, Luis Felipe
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An analysis trigger monitoring system is provided in one or more virtual assets. One or more analysis trigger parameters are defined and analysis trigger data is generated. The analysis trigger monitoring systems are used to monitor at least a portion of the message traffic sent to, or sent from, the one or more virtual assets to detect any message including one or more of the one or more analysis trigger parameters. A copy of at least a portion of any detected message including one or more of the one or more analysis trigger parameters is then transferred to one or more analysis systems for further analysis using a second communication channel.

No. of Pages: 76 No. of Claims: 36

(21) Application No.2553/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: THERMAL APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:14/03/2014 :WO 2014/140762 :NA :NA	(71)Name of Applicant:  1)COOLTECH APPLICATIONS S.A.S. Address of Applicant :Impasse Antoine lmbs, F-67810 Holtzheim FRANCE (72)Name of Inventor: 1)MULLER, Christian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention concerns a thermal apparatus (1) comprising at least one primary circuit (P1) in which a heat transfer fluid referred to as the primary fluid is displaced by a drive device with an alternating motion, and at least one heat exchanging interface (I1.1, I1.2) between the primary fluid and a secondary fluid flowing unidirectionally in a secondary circuit (S1.1, S1.2), said apparatus being characterised in that said interface (I1.1, I1.2) comprises at least one heat exchange area (ZN, ZN+1, Z"N, Z"N+1) in which the primary fluid and the secondary fluid move unidirectionally and countercurrent relative to each other.

No. of Pages: 30 No. of Claims: 14

(21) Application No.2425/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SUSTAINED RELEASE FORMULATIONS OF LORAZEPAM

(51) International (71)Name of Applicant: :A61K9/16,A61K9/50,A61K31/5513 classification 1)EDGEMONT PHARMACEUTICALS LLC (31) Priority Document No :61/750,797 Address of Applicant: 1250 Capital of Texas Hwy, South (32) Priority Date :09/01/2013 Building 3, Suite 400, Austin, Texas 78746 UNITED STATES OF AMERICA. (33) Name of priority :U.S.A. country (72) Name of Inventor: (86) International 1)SALTEL, Douglas A. :PCT/US2014/010854 Application No 2) VACHON, Michael :09/01/2014 Filing Date (87) International :WO 2014/110245 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number

### (57) Abstract:

Filing Date

A pharmaceutical composition for delivering lorazepam in a prolonged fashion is achieved with prolonged release lorazepam pharmaceutical beads. The composition typically contains sustained release lorazepam beads and delayed sustained release lorazepam beads. The composition can provide once daily dosing that maintains 24 hour therapeutic effect under steady state conditions.

No. of Pages: 34 No. of Claims: 18

:NA

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ANTENNA SYSTEM FOR A CONTACLESS MICROCIRCUIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G06K19/077 :1350398 :17/01/2013 :France :PCT/FR2014/050076 :15/01/2014 :WO 2014/111656 :NA :NA	(71)Name of Applicant:  1)INSIDE SECURE  Address of Applicant:Rue de la Carrière de Bachasson, CS 70025, Arteparc Bachasson, Bât. A, F-13590 Meyreuil FRANCE (72)Name of Inventor:  1)BOIRON Ghislain 2)ENGUENT, Jean-Pierre 3)PIC, Pierre
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#### (57) Abstract:

The invention relates to a method for the production of an object incorporating a contactless microcircuit, said method comprising steps consisting in: forming an antenna coil (AT1) in the form of a spiral on a first face of a substrate (TG4); securing the microcircuit to the substrate; on the substrate, forming first and second conductive pads (E2, E4) connected to inner and outer ends respectively of the spiral of the antenna coil; connecting the connection terminals of the microcircuit to third and fourth conductive pads (E2", E4"); and securing the microcircuit to the substrate, with the first and third conductive pads being positioned to face one another and the second and fourth conductive pads facing one another, such as to form two capacitors mounted in series with the antenna coil, the first or second conductive pad comprising a non-conductive window (1) which the microcircuit is positioned to face.

No. of Pages: 33 No. of Claims: 11

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : SOFTWOOD KRAFT FIBER HAVING AN IMPROVED A-CELLULOSE CONTENT AND ITS USE IN THE PRODUCTION OF CHEMICAL CELLULOSE PRODUCTS

(51) International classification :D21C3/02,D21C3/24,D21C9/10 (71) Name of Applicant: (31) Priority Document No :61/762,532 1)GP CELLULOSE GMBH (32) Priority Date Address of Applicant: METALLSTRASSE 9B, CH-6300 Zug :08/02/2013 (33) Name of priority country **SWITZERLAND** :U.S.A. (86) International Application No:PCT/IB2014/000680 (72) Name of Inventor: Filing Date :06/02/2014 1)NONNI, Arthur, J. (87) International Publication No: WO 2014/122533 2) COURCHENE, Charles, E. (61) Patent of Addition to 3) CAMPBELL, Philip, Reed :NA Application Number 4)DOWDLE, Steven, Chad :NA Filing Date 5)ENGLE, Joel, Mark (62) Divisional to Application 6) CARTER, Blair, Roderick :NA Number 7)SLONE, Christopher, M. :NA Filing Date

## (57) Abstract:

A bleached softwood kraft pulp fiber with high  $\alpha$ -cellulose content and a low CED viscosity is provided, A surfactant treated fiber useful in the production of chemical derivatives is also described. Methods for making the kraft pulp fiber and products made from it are also described.

No. of Pages: 46 No. of Claims: 21

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: CONTROLLED RELEASE FORMULATIONS OF LORAZEPAM

:NA

:A61K9/20,A61K31/5513 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)EDGEMONT PHARMACEUTICALS LLC :61/750,792 (32) Priority Date :09/01/2013 Address of Applicant: 1250 Capital of Texas Hwy, South (33) Name of priority country Building 3, Suite 400, Austin, Texas 78746 UNITED STATES :U.S.A. (86) International Application No OF AMERICA. :PCT/US2014/010863 (72) Name of Inventor: Filing Date :09/01/2014 (87) International Publication No :WO 2014/110248 1)SALTEL, Douglas A. (61) Patent of Addition to Application 2) VACHON, Michael :NA Number :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

Controlled release of lorazepam can provide enhanced dosing options including once daily dosing that provides 24 hour therapeutic effect under steady state conditions. The pharmaceutical composition can provide substantially zero order release and 90% release within 7 to 12 hours in a pharmaceutical dissolution test. The release can be achieved using polyethylene oxide as a matrix polymer.

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

(21) Application No.2429/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BALANCING WEIGHT APPLICATION 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>	:13151925.8 :18/01/2013 :EPO :PCT/EP2014/050912 :17/01/2014 :WO 2014/111528	(71)Name of Applicant:  1)WEGMANN AUTOMOTIVE GMBH & CO. KG Address of Applicant: Rudolf-Diesel-Straße 6, 97209 Veitshöchheim GERMANY (72)Name of Inventor:  1)BÜRGEL, Hans-Ulrich 2)WAGENSCHEIN, Dietmar
•		
(87) International Publication No	:WO 2014/111528	2)WAGENSCHEIN, Dietmar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

)A device for the application of balancing weights (10) to the rim of a vehicle wheel comprises a program controlled manipulator device with a balancing weight application head (20). The application head (20) first picks up balancing weights (10) from a dispenser and it is then transported by the manipulator device to the rim, where it applies the balancing weights (10) to the rim.

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

(22) Date of filing of Application :05/08/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: PRODUCTION METHOD FOR GRAIN-ORIENTED ELECTRICAL STEEL SHEETS

(51) International classification: C21D9/46,C21D8/12,C22C38/00 (71) Name of Applicant: (31) Priority Document No :2013-038891

(32) Priority Date :28/02/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/054371

:24/02/2014 Filing Date

(87) International Publication :WO 2014/132930

(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, Tokvo 1000011 JAPAN (72)Name of Inventor:

1)UESAKA Masanori

2)IMAMURA Takeshi 3)SUEHIRO Ryuichi 4)FUKUNAGA Takayuki

5)TAKAMIYA Toshito

### (57) Abstract:

A production method for grain-oriented electrical steel sheets in which a steel material which includes 0.002-0.10 mass% C, 2.0-8.0 mass% Si, and 0.005-1.0 mass% Mn is processed through hot rolling to form a hot-rolled sheet, after the hot-rolled sheet is annealed as necessary, the sheet is processed through cold rolling one time or two or more times with intermediate annealing therebetween to form a cold-rolled sheet of a final thickness, after primary recrystallization annealing combining decarburization annealing is performed, an annealing separator agent is applied to the surface of the steel sheet, and final annealing is performed, wherein a grainoriented electrical steel sheet with low iron loss and minimal variations in the iron loss value is obtained by performing, two to six times, holding processing for maintaining at any temperature in the range of 250-600°C for 0.5-10 seconds when rapidly heating the temperature interval of 100-700°C at a rate of 50°C/s or higher in the heating step of the primary recrystallization annealing.

No. of Pages: 25 No. of Claims: 7

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: ANALYTE PERMEABLE MEMBRANE SYSTEMS FOR OXIDATIVE AND OPTICAL STABILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B5/00 :61/746,790 :28/12/2012 :U.S.A. :PCT/US2013/078103 :27/12/2013 :WO 2014/106117 :NA :NA :NA	(71)Name of Applicant:  1)SENSEONICS, INCORPORATED  Address of Applicant: 20451 Seneca Meadows Parkway, Germantown, MD 20876 UNITED STATES OF AMERICA. (72)Name of Inventor:  1)EMKEN, Jeremy 2)HUFFSTETLER, Philip 3)WHITEHURST, Todd
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#### (57) Abstract:

A sensor that may be used to detect the presence, amount, and/or concentration of an analyte in a medium within an animal. The sensor may include a sensor housing, an indicator element embedded within and/or covering at least a portion of the sensor housing, and a membrane over the indicator element. The membrane may reduce indicator element deterioration by preventing immune cells, such as white blood cells, from contacting the indicator element, substantially prevent transmission of light of at least a specified wavelength or range of wavelengths through the membrane, and/or permit the analyte to pass through to the indicator element. The membrane may be an opaque diffusion membrane. The sensor may include a foil. The foil may block light and/or reduce indicator element deterioration. The membrane may reduce oxidation of the indicator element.

No. of Pages: 52 No. of Claims: 39

(21) Application No.2277/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: BATT COMPRISING CRIMPED BI- OR MULTI-COMPONENT FIBRES

(51) International

:D04H3/007,D04H3/147,D04H3/16

classification

(31) Priority Document No

:PV 2013-24

(32) Priority Date

:14/01/2013 (33) Name of priority country: Czech Republic

(86) International Application

:PCT/CZ2014/000005

Filing Date

:14/01/2014

:NA

:NA

(87) International Publication

:WO 2014/108106

300 MPa. The fibres have the degree of crimping at least 5 crimps per 20 mm of fibre.

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

Filing Date

(62) Divisional to Application :NA Number

Filing Date (57) Abstract:

(71)Name of Applicant:

1)PEGAS NONWOVENS S.R.O.

Address of Applicant: Primeticka 86, 66904 Znojmo CZECH

REPUBLIC

(72) Name of Inventor:

1)KOHUT, Jaroslav

2) MECL, Zdenek

3)KLASKA, Frantisek

4)KASPARKOVA, Pavlina

A batt comprising crimped bi- or multicomponent fibres consisting of at least two sections, which comprise a polymer or polymer blend as a predominant component and which are arranged across the cross-section of the fiber to promote crimping of the fibre during the setting process and which predominant components differ in the crystallisation heat (dHc). The difference in the crystallisation heat (dHc) is in the range from 30 J/g to 5 J/g and the predominant components differ in at least one of the other parameters selected from the group of melt flow index, degree of polydispersion and flexural modulus, while the relative difference of the predominant components is: for the flow index in the range from IOOg/IOmin to 5g/10min and/or for the degree of polydispersion less than 1, but above 0.3, and/or for the flexural modulus in the range from 300 MPa to 50 MPa; where the relative difference in the melt flow index is not greater than IOOg/IOmin, the degree of polydispersity is less than 1, the crystallisation heat is not greater than

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

(21) Application No.2567/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AIR COMPRESSOR APPARATUS

(51) International classification	:F04B49/24,F04B49/035	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHOU, Wen-san
(32) Priority Date	:NA	Address of Applicant :No.1-25, Kangwei, An-Din District,
(33) Name of priority country	:NA	Tainan City, Taiwan 745 PEOPLE'S REPUBLIC OF CHINA
(86) International Application No	:PCT/CN2013/071532	(72)Name of Inventor:
Filing Date	:07/02/2013	1)CHOU Wen san
(87) International Publication No	:WO 2014/121497	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An air compressor apparatus comprising a machine case body (1). Same has arranged therein an air compressor. A motor (21) drives a piston head (26) of a piston body (25) to move reciprocatively within a cylinder (3), thus allowing compressed air in the cylinder (3) to be pushed into an air storage base (5). The air storage base (5) is provided with several manifolds (52, 53, and 55) that can be in communication with the air storage base (5). A duct (54) of a secondary air chamber (541) is provided on the outer wall of the cylinder (3). The secondary air chamber (541) is in communication with a compression chamber (33) of the cylinder (3) but is not in communication with the air storage base (5). When the top surface of the piston head (26) of the air compressor is completely abutted against the inner wall surface of the compression chamber (33) of the cylinder (3), partially compressed air enters the secondary air chamber (541). This not only allows for increased smoothness in downstrokes of the piston body (25), but also allows the air compressor to obviate the need for a pressure safety valve to be provided additionally to prevent an inflation movement that exceeds a safe pressure value range from occurring.

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

(22) Date of filing of Application :24/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ANTENNA SYSTEM FOR A CONTACLESS MICROCIRCUIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:15/01/2014 :WO 2014/111657 :NA :NA :NA	(71)Name of Applicant:  1)INSIDE SECURE  Address of Applicant:Rue de la Carrière de Bachasson, CS 70025, Arteparc Bachasson, Bât. A, F-13590 Meyreuil FRANCE (72)Name of Inventor:  1)BOIRON, Ghislain 2)ENGUENT, Jean-Pierre 3)PIC, Pierre
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method for the production of an object incorporating a contactless microcircuit, said method comprising steps consisting in: forming an antenna coil (AT4) in the form of a spiral from a first face of a substrate (TG4); on the substrate, forming first and second conductive pads (E16, E17) connected to inner and outer ends respectively of the spiral of the antenna coil; connecting the connection terminals of the microcircuit to third and fourth conductive pads (EM1, EM1"); and securing the microcircuit to the substrate, with the first and third conductive pads being positioned to face one another and the second and fourth conductive pads facing one another, the first to fourth conductive pads forming two capacitors mounted in series with the antenna coil, the antenna coil and the first and second conductive pads being formed by insertion of a conductive wire into the substrate.

No. of Pages: 33 No. of Claims: 12

(21) Application No.2569/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PISTON BODY CONSTRUCTION OF AIR 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>	:NA :NA :NA :PCT/CN2013/071530 :07/02/2013 :WO 2014/121495 :NA :NA	(71)Name of Applicant:  1)CHOU, Wen-san Address of Applicant:No.1-25, Kangwei, An-Din District Tainan City, Taiwan 745 PEOPLE'S REPUBLIC OF CHINA (72)Name of Inventor: 1)CHOU, Wen-san
Filing Date	:NA :NA	

### (57) Abstract:

A piston body construction of an air compressor, comprising a piston head (61). The piston head (61) is provided thereon with a cushioning air-accommodating indentation (60) that has an opening formed from the top, is inwardly indented, and has formed a bottom wall and a sidewall. This allows a piston body (6), while moving reciprocatively in a cylinder of the air compressor, to be kept in a safe pressure value range with respect to an object being inflated, and obviates the need for a pressure valve to be provided additionally.

No. of Pages: 30 No. of Claims: 4

(21) Application No.2570/KOLNP/2015 A

Address of Applicant :No.1-25, Kangwei, An-Din District

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: AIR COMPRESSOR CONSTRUCTION

(51) International :F04B53/14,F04B35/04,F04B33/00 classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application

:PCT/CN2013/071531

:07/02/2013 Filing Date

(87) International Publication :WO 2014/121496

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

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

Tainan City, Taiwan 745 PEOPLE'S REPUBLIC OF CHINA (72) Name of Inventor:

1)CHOU, Wen-san

(71)Name of Applicant:

1)CHOU, Wen-san

### (57) Abstract:

An air compressor construction. Same allows an air compressor to obviate the need for a pressure safety valve to be provided additionally to allow compressed air outputted during operation to be kept within a safe pressure value range. Formed at the top end of a piston head (61) of a piston body (6) are an opening and a concavity forming the bottom wall and circumferential wall of a cushioning air-accommodating indentation (60). This allows, when the piston body (6) is moving reciprocately in a cylinder (3) of the air compressor, for all to be kept within the safe pressure value range with respect to an object that is being inflated, provides use safety, obviates the need for a pressure safety valve to be provided additionally, and reduces manufacturing costs. Also, when the piston body (6) of the air compressor is at an upper dead point while making a linear movement in the cylinder (3), a cushioning space can be found between the piston head (61) of the piston body (6) and an interior top wall opposite thereto of the cylinder (3), thus allowing the piston body applicable for such cylinder to further achieve the effect of smooth operation.

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

(21) Application No.2571/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AIR COMPRESSOR APPARATUS FOR AIR INFLATION AND RUBBER FILLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)CHOU, Wen-san Address of Applicant:No.1-25, Kangwei, An-Din District Tainan City, Taiwan 745 PEOPLE'S REPUBLIC OF CHINA (72)Name of Inventor: 1)CHOU, Wen-san
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An air compressor apparatus for air inflation and rubber replenishment, comprising a case body, which has arranged therein an air compressor (14) and a rubber filler (9), and an actuating component (4), which is provided at one end thereof with an eccentric cam (41) and provided at the other end with a lever part (42). A user operates the actuating component to swing pivotally for approximately a semicircumference, and by means of operating the actuating component, allows the air compressor either to carry out a standalone air inflation function on a tire or to carry out a rubber-filling function on a damaged tire.

No. of Pages: 25 No. of Claims: 6

(21) Application No.2280/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: FORMATION OF PARTICLE STRUCTURES

:A61K9/00,A61J3/00,A61K9/14 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1301385.9 (32) Priority Date :26/01/2013

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

(86) International Application No: PCT/GB2014/050191

Filing Date :24/01/2014

(87) International Publication No: WO 2014/114946

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

:NA Number :NA

Filing Date

1)NDM TECHNOLOGIES LIMITED

Address of Applicant: Charnwood Building, Holywell Park, Ashby Road, Loughborough Leicestershire LE11 3AQ UNITED

KINGDOM.

(72) Name of Inventor:

1)CHOWDHURY, Dewan Fazlul Hoque

#### (57) Abstract:

Irregular, angular particles are produced by a manufacturing method that comprises forming a film (10) on a substrate (9) and then stretching the substrate (9) along one or more axes to fracture the film (10) into particle structures. The substrate (9) may be moved continuously along a production line as the film (10) is formed and may be stretched by accelerating that movement. The substrate (9) may comprise a surface with elevated patterns (12) to control the fracturing of the film (10). The particles are particularly suitable for the transdermal delivery of a biologically active substance into the body of a patient.

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

(21) Application No.2281/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR BALANCING STATES OF CHARGE OF ENERGY STORAGE MODULES IN HYBRID VEHICLES

(51) International classification :B60L11/18,B60W10/24 (71)Name of Applicant : (31) Priority Document No 1)ALLISON TRANSMISSION, INC. :61/789,526 (32) Priority Date :15/03/2013 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2014/021068 Filing Date :06/03/2014 (87) International Publication No :WO 2014/149823 (61) Patent of Addition to Application

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

Address of Applicant :One Allison Way, Indianapolis, IN 46222 UNITED STATES OF AMERICA. (72) Name of Inventor:

1)PRUITT, Perry 2)BIEHL, Kurt 3)LANGFORD, Justin 4) KELLERMAN, Jonathan

### (57) Abstract:

A system and method for balancing the states of charge between a plurality of energy storage modules in a hybrid vehicle is disclosed. The method comprises determining states of charge of individual energy storage modules in said plurality of energy storage modules operatively connected to a power source in the hybrid electric vehicle. The vehicle is operated using a subset of the plurality of energy storage modules when the states of charge of said subset the plurality of energy storage modules is outside of a tolerances relative to the remaining energy storage modules of said plurality of said energy storage modules. The energy storage modules may be charged or discharged using the method in order to equalize the states of charge of the energy storage modules.

No. of Pages: 26 No. of Claims: 48

(21) Application No.2282/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MOBILE FRAGMENTER FOR FRAGMENTING METAL MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B02C21/02 :P201330074 :23/01/2013 :Spain :PCT/ES2014/070005 :07/01/2014 :WO 2014/114829 :NA :NA :NA	(71)Name of Applicant:  1)TALLERES ZB, S.A.  Address of Applicant: Carretera Zamalbide, s/n, E-20100 Rentería, Guipúzcoa SPAIN (72)Name of Inventor:  1)ARRIETA GONZÁLEZ, José Ángel
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### (57) Abstract:

The invention relates to a mobile fragmenter for fragmenting metal material, comprising a mobile group (1) and an actuating unit (2), such that the mobile group (1) performs the fragmentation of the metal material by means of a fragmenting element (7) and the actuating unit (2) provides the mobile group (1) with the energy with which the fragmenting element (7) performs the fragmentation of said metal material, where the mobile group (1) comprises a frame (3) and a system of tracks (4) providing mobility. The mobile group (1) also comprises a supply conveyor belt (11), a dosage roller (6), the fragmenting element (7), a metal extraction belt (8), and an outflow transporting belt (9).

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

(21) Application No.2284/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING IN 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B7/26 :1020120149777 :20/12/2012 :Republic of Korea :PCT/KR2013/011983 :20/12/2013 :WO 2014/098534 :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)KIM Soeng Hun 2)VAN LIESHOUT Gert Jan 3)VAN DER VELDE Himke 4)JEONG Kyeong In 5)KIM Sang Bum
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### (57) Abstract:

The present invention relates to an apparatus and a method for transmitting/receiving a broadcasting service in a wireless communication system for supporting a plurality of frequency bands. To this end a serving cell transmits a system information block. User equipment obtains frequency band identification information capable of receiving a session according to a desired broadcasting service on the basis of information related to a frequency included in the system information block and transmits to the serving cell a control message including the obtained frequency band identification information.

No. of Pages: 134 No. of Claims: 18

(22) Date of filing of Application :06/08/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: DC POWER SOURCE, AND DC POWER SOURCE CONTROL METHOD

(51) International classification :H05H1/46,C23C14/34,H02J1/00 (71)Name of Applicant: (31) Priority Document No :2013-201953

(32) Priority Date :27/09/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2013/084823

:26/12/2013 Filing Date

(87) International Publication :WO 2015/045197

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

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

1)KYOSAN ELECTRIC MFG. CO., LTD.

Address of Applicant: 29-1, Heiancho 2-chome, Tsurumi-ku,

Yokohama-shi, Kanagawa 2300031 JAPAN

(72)Name of Inventor: 1)YUZURIHARA, Itsuo 2)KODAMA, Shinichi 3) ADACHI, Toshiyuki

(57) Abstract:

This DC power source for supplying DC power to a plasma generating device has a simple and more compact device configuration for forming a high voltage for generating plasma discharge. A process is repeated multiple times in which a short-circuit current is passed for a very short time to a voltage-type step-down chopper unit provided in the DC power source and the energy is stored in a reactor; the energy stored in the reactor is discharged to an output capacitance, gradually boosting the output voltage, thereby boosting the output voltage to an ignition set voltage. The short-circuit current is formed using a switching element in a step-up circuit provided in the DC power source. By repeatedly boosting the voltage of the output terminal by storing and discharging short-circuit currents, the voltage at the output terminal of the DC power source is boosted to the ignition set voltage.

No. of Pages: 76 No. of Claims: 9

(21) Application No.2321/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: INFORMATION PROCESSING SYSTEM

(51) International classification :G06F21/62,G06F13/00,G06F21/60

(31) Priority Document No :000 (32) Priority Date :-(33) Name of priority country :

(86) International Application :PCT/JP2013/054023

Filing Date :19/02/2013

(87) International Publication :WO 2014/128836

No

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

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

(71)Name of Applicant:

1)SONY COMPUTER ENTERTAINMENT INC.
Address of Applicant: 1-7-1, Konan, Minato-ku, Tokyo

1080075 JAPAN

(72)Name of Inventor: 1)AOKI. Toshimasa

2)TAKAICHI, Tomoki 3)SUZUKI, Kosuke

### (57) Abstract:

Provided is an information processing system whereby it is possible to control one"s own name which is disclosed to another user according to one"s relation to the other user. For each of a plurality of users, a user management server (2) associates and stores an identification name which identifies the user, a "hidden" name which is registered by the user, and information specifying a user to whom viewing of the hidden name may be permitted. When an acquisition request for the name information of a requestee user, including information which specifies the requester user, is received from a client device (3), the user management server (2) transmits the hidden name of the requestee user in response to the acquisition request if the requester user is registered as a user having viewing permission with respect to the requestee user, and transmits the identification name of the requestee user if the requester user is not registered as such. The client device (3) displays the transmitted name information of the requester user in a display screen.

No. of Pages: 35 No. of Claims: 10

(21) Application No.2322/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: FLOWMETER

(31) Priority Document No (32) Priority Date	:G01F3/10,G01F15/02,G01F15/00 :A50063/2013 :30/01/2013	1)AVL LIST GMBH Address of Applicant :Hans-List-Platz 1, A-8020 Graz
<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>	:Austria :PCT/EP2014/051199 :22/01/2014	AUSTRIA (72)Name of Inventor: 1)DERSCHMIDT, Otfried
No (61) Patent of Addition to Application Number Filing Date	:WO 2014/118045 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

In a flowmeter having a displacement meter (1), a pressure different sensor (3) connected in parallel has a bypass channel (8) which, when the piston (7) is at the maximum travel stop (9) thereof, enables a connection between the inflow and outflow sides (4, 5). A check valve (11) which prevents the return flow from the outflow side to the inflow side (5, 4) and therefore enables a purely pressure-induced return of the piston (7) is arranged in the bypass channel (8).

No. of Pages: 8 No. of Claims: 3

:NA

:NA

(19) INDIA

(22) Date of filing of Application :17/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: AIRBAG MODULE-EQUIPPED SEAT, AND METHOD FOR MOUNTING SAME

(51) International (71)Name of Applicant: :B60R21/207,B60N2/427,F16B21/08 1)TS TECH CO., LTD. classification (31) Priority Document No :2012-288619 Address of Applicant: 7-27, Sakaecho 3-chome, Asaka-shi, Saitama 3510012 JAPAN (32) Priority Date :28/12/2012 (33) Name of priority (72) Name of Inventor: :Japan country 1)TANABE, Jinichi (86) International 2)BABA, Hiroshi :PCT/JP2013/084904 Application No 3)TAKEUCHI, Makoto :26/12/2013 Filing Date 4)IZAWA, Hiroshi (87) International :WO 2014/104199 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

### (57) Abstract:

**Application Number** 

Filing Date

Provided is an airbag module-equipped seat configured so that, while the high expansion performance of the airbag is maintained, the periphery of a mounting section for a guide member for guiding the direction of expansion of the airbag is configured compact and the mounting of the guide member is facilitated. An airbag module-equipped seat (S) has an airbag module (6) which is mounted to a side frame (10), a guide member (32) which guides the direction of expansion of the airbag module (6), and a mounting member (50) which is used to mount the guide member (32) to the side frame (10). The side frame (10) has a mounting hole (16) for the mounting member (50), the mounting hole (16) being located at a different position from a shaft section (18) to which the airbag module (6) is mounted. The mounting member (50) is provided with a holding space (59) in which an end of the guide member (32) is held in a mountable and removable manner. The mounting member (50) is inserted through the mounting hole (16) while the end of the guide member (32) is held in the holding space (59).

No. of Pages: 146 No. of Claims: 14

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR DISCOVERY-AND MEASUREMENT IN CELLULAR NETWORKS

(51) International classification	:H04J 11/00	(71)Name of Applicant :
(31) Priority Document No	:61/953,420	1)SAMSUNG ELECTRONICS CO., LTD
(32) Priority Date	:14/03/2014	Address of Applicant :129, SAMSUNG-RO,, YEONGTONG-
(33) Name of priority country	:U.S.A.	GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF
(86) International Application No	:PCT/KR2015/002518	KOREA Republic of Moldova
Filing Date	:16/03/2015	(72)Name of Inventor:
(87) International Publication No	:WO/2015/137782	1)THOMAS DAVID NOVLAN
(61) Patent of Addition to Application	:NA	2)BOON LOONG NG
Number	:NA	3)YING LI,
Filing Date	.11/1	4)
(62) Divisional to Application Number	:NA	5)
Filing Date	:NA	

### (57) Abstract:

Adaptation of measurement procedures for cell detection and association provide more accurate and frequent reports for use by the network, to enhance cell association. A user equipment receives, within a configured measurement bandwidth, orthogonal frequency division multiplexing symbols comprising discovery reference signals (DRS). For subframes in which the DRS are transmitted, a discovery reference signal received quality (D-RSRQ) is determined from the DRS within the received symbols as a ratio of discovery reference signal received power (D-RSRP) to carrier discovery received signal strength indicator (D-RSSI), where the D-RSRP is measured in symbols containing DRS resource elements and the D-RSSI is measured in all symbols in subframes containing the DRS. For a UE configured to also measure common reference signals, non-DRS measurements are suspended upon deactivation of a secondary cell, and measurement timing of the DRS during a deactivation period is based on a measurement timing parameter.

No. of Pages: 55 No. of Claims: 22

(21) Application No.1367/KOL/2008 A

(19) INDIA

(22) Date of filing of Application :14/08/2008 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MULTIPURPOSE WIND MILL

(51) International classification	:F03D1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MD. MEHTAR HUSSAIN
(32) Priority Date	:NA	Address of Applicant :VILLAGE: MUSLIMGHOPHA, P.O.
(33) Name of priority country	:NA	SIPAJHAR, DISTRICT-DARRANG Assam India
(86) International Application No	:NA	2)MD. MUSTAQ AHMAD
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MD. MEHTAR HUSSAIN
(61) Patent of Addition to Application Number	:NA	2)MD. MUSTAQ AHMAD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a multimpurpose windmill comprising a main tower; multiple rotating blades mounted on said tower through a blade rotating shaft and a crank means; a tail blade connected to said main tower; a pump driving vertical shaft passing through said main tower; a reciprocating pump attached at lower end of said shaft; a discharger connected to said pump; and a tilting/uplifting means arranged beside the main tower.

No. of Pages: 3 No. of Claims: 06

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING AND DYNAMICALLY DEPLOYING HARDENED TASK SPECIFIC VIRTUAL HOSTS

(51) Intermedianal alequification	.COCEO/445	(71)Nome of Amplicant.
(51) International classification	:G06F9/445	(71)Name of Applicant:
(31) Priority Document No	:14/070,124	1)INTUIT INC.
(32) Priority Date	:01/11/2013	Address of Applicant :2700 Coast Avenue, Mountain View,
(33) Name of priority country	:U.S.A.	California 94043 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2014/061810	(72)Name of Inventor:
Filing Date	:22/10/2014	1)WEAVER, Brett
(87) International Publication No	:WO 2015/065788	2)BRINKLEY, Capen
(61) Patent of Addition to Application	:NA	3)WOFLE, Jeffrey M.
Number		4)JAIN, Ankur
Filing Date	:NA	5)LIETZ, M. Shannon
(62) Divisional to Application Number	:NA	6)CABRERA, Luis Felipe
• • •		U)CADKEKA, Luis Penpe
Filing Date	:NA	

### (57) Abstract:

Virtual host creation data used to instantiate a hardened task specific virtual host in a first computing environment is generated including hardening logic for providing enhanced security and trust for the hardened task specific virtual host and internal task specific logic for directing and/or allowing the hardened task specific virtual host to perform a specific function assigned to the hardened task specific virtual host. When task data is received indicating a task to be performed in the first computing environment requires the performance of the specific function assigned to the hardened task specific virtual host, the hardened task specific virtual host is automatically instantiated and/or deployed in the first computing environment.

No. of Pages: 91 No. of Claims: 36

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: SITE-SPECIFIC ANTIBODY-DRUG CONJUGATION THROUGH GLYCOENGINEERING

(71)Name of Applicant: (51) International classification :A61K39/00,C07K16/00 1) GENZYME CORPORATION (31) Priority Document No :61/776,710 Address of Applicant :500 Kendall Street, Cambridge, MA (32) Priority Date :11/03/2013 02142 UNITED STATES OF AMERICA. (33) Name of priority country :U.S.A. (72) Name of Inventor: (86) International Application No :PCT/US2014/022728 1)PAN, Clark Filing Date :10/03/2014 2)ZHOU, Qun :WO 2014/164534 (87) International Publication No 3)STEFANO, James (61) Patent of Addition to Application :NA 4) DHAL, Pradeep Number :NA 5)CHEN, Bo Filing Date 6) GIANOLIO, Diego (62) Divisional to Application Number :NA 7)MILLER, Robert Filing Date :NA 8)OIU, Huawei

### (57) Abstract:

The current disclosure provides binding polypeptides (e.g., antibodies), and effector moiety conjugates thereof (e.g., antibody-drug conjugates or ADCs), comprising a site- specifically engineered drug-glycan linkage within native or engineered glycans of the binding polypetpide. The current disclosure also provides nucleic acids encoding the antigen-binding polypeptides, recombinant expression vectors and host cells for making such antigen-binding polypeptides. Methods of using the antigen-binding polypeptides disclosed herein to treat disease are also provided.

No. of Pages: 133 No. of Claims: 35

(21) Application No.2593/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OMITTED-DATA-UPDATE INSPECTION 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F11/36 :2013-008353 :21/01/2013 :Japan :PCT/JP2013/084612 :25/12/2013 :WO 2014/112303 :NA :NA :NA	(71)Name of Applicant:  1)NISSAN MOTOR CO., LTD. Address of Applicant: 2, Takara-cho, Kanagawa-ku Yokohama-shi, Kanagawa 221-0023, JAPAN (72)Name of Inventor: 1)Miwako HASEGAWA
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### (57) Abstract:

Statements in a computer program under review are divided into a plurality of program blocks (S03); for each of said program blocks, variables that are updated in said program block are extracted (S04), yielding a set of updated variables corresponding to each program block; at least one of said sets of updated variables is identified as a group variable (S05); the inclusion relationships between said group variable(s) and the sets of updated variables corresponding to the program blocks are used to determine the degree to which program blocks perform simultaneous updates (S06); and the results of said determination are outputted (S10).

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

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: VARIABLE-ACCESS-CONSISTENCY REVIEW DEVICE, VARIABLE-ACCESS-CONSISTENCY REVIEW METHOD, AND VARIABLE-ACCESS-CONSISTENCY REVIEW PROGRAM

(51) International classification	:G06F11/36	(71)Name of Applicant:
(31) Priority Document No	:2013-008352	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:21/01/2013	Address of Applicant :2, Takara-cho, Kanagawa-ku
(33) Name of priority country	:Japan	Yokohama-shi, Kanagawa 221-0023, JAPAN
(86) International Application No	:PCT/JP2013/084883	(72)Name of Inventor:
Filing Date	:26/12/2013	1)ICHIKAWA, Satoshi
(87) International Publication No	:WO 2014/112317	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		

### (57) Abstract:

This access-consistency review device: identifies a branching block, which comprises a group of statements in which one of a plurality of branches is selectively executed on the basis of a prescribed condition, and detects a variable that is written to within said branching block (S01); detects the number of possible branches within the branching block and the number of branches in which the aforementioned variable is written to (S04); determines whether or not the number of possible branches within the branching block is equal to the number of branches in which the aforementioned variable is written to (S06); and, if it is determined that the number of possible branches within the branching block is not equal to the number of branches in which the variable is written to, outputs the variable and/or the branching block (D07).

No. of Pages: 41 No. of Claims: 6

(21) Application No.2455/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 27/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: DEOXYURIDINE TRIPHOSPHATASE INHIBITORS

(51) International :C07D401/06,C07D401/12,C07D471/04 classification

(31) Priority Document :61/749,791

(32) Priority Date :07/01/2013

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

country (86) International

:PCT/US2014/010247 Application No :03/01/2014

Filing Date

(87) International :WO 2014/107622 Publication No

(61) Patent of Addition to :NA

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

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

(71)Name of Applicant:

1)UNIVERSITY OF SOUTHERN CALIFORNIA

Address of Applicant: 1150 South Olive Street, Suite 2300,

Los Angeles, California 90015 UNITED STATES OF

AMERICA.

(72) Name of Inventor:

1)LADNER, Robert D.

2) GIETHLEN, Bruno

(57) Abstract:

Provided herein are dUTPase inhibitors, compositions comprising such compounds and methods of using such compounds and compositions.

No. of Pages: 140 No. of Claims: 128

(21) Application No.2604/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: WIRELESS VIDEO CAMERA

(51) International classification	:H04N5/232,H04N5/225	(71)Name of Applicant:
(31) Priority Document No	:13/944,919	1)KOSS CORPORATION
(32) Priority Date	:18/07/2013	Address of Applicant :4129 North Port Washington Avenue,
(33) Name of priority country	:U.S.A.	Milwaukee, WI 53212 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2014/039748	(72)Name of Inventor:
Filing Date	:28/05/2014	1)BLAIR, Nick, S.
(87) International Publication No	:WO 2015/009357	2)KOSS, Michael, J.
(61) Patent of Addition to Application	:NA	3)PELLAND, Michael, J.
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A wireless video camera that permits bookmarking of objects in the surrounding environment of the camera. When a remote user selects to see (via streaming video) a previously bookmarked object, the camera determines the appropriate camera viewing parameter to replicate the bookmarked view of the object. To account for an intervening change in position of the camera, the camera may compute any change in position of the camera, and adjust the camera viewing parameters for the bookmarked view to compensate for the camera"s updated position so that the original bookmarked view of the object can be replicated. Also, in a streaming video mode where the camera is streaming video to the remote user, the remote user can use a still image from the camera to control the remote camera.

No. of Pages: 31 No. of Claims: 8

(22) Date of filing of Application :07/08/2015 (4

(43) Publication Date: 05/02/2016

# (54) Title of the invention : POWER SUPPLY CIRCUIT FOR ALTERING FLICKERING FREQUENCY OF LIGHT EMITTING DIODE

:H05B37/02 (71)Name of Applicant: (51) International classification (31) Priority Document No :10-2013-0015924 1)J&C TECHNOLOGY CO., LTD (32) Priority Date Address of Applicant:#13, Yongmeori 6-gil, Gimcheon-si, :14/02/2013 (33) Name of priority country :Republic of Korea Gyeongsangbuk-do 740-040 REPUBLIC OF KOREA (86) International Application No :PCT/KR2014/001171 (72) Name of Inventor: Filing Date :13/02/2014 1) JANG, Min Jun (87) International Publication No :WO 2014/126392 2) JANG, Woo Jun (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 power supply circuit, and more particularly to a power supply circuit for increasing the flickering frequency of a light-emitting diode by means of a charging/discharging circuit and a switch connected between an alternating voltage source and a load. A power supply circuit according to the present invention includes: a rectifying circuit connected to the alternating voltage source for full-wave rectifying the alternating voltage thereof; a charging/discharging circuit with one end connected to the output terminal of the rectifying circuit and a light-emitting diode array and the other end to ground so as to be charged with the output voltage of the rectifying circuit and to supply power to the light-emitting diode array; a first switch arranged in the path connecting the charging/discharging circuit and the light-emitting diode array; and a controller for controlling the first switch so as to enable the charging/discharging circuit to discharge in the interval A less than the drive voltage of the light-emitting diode array, thus causing the light-emitting diode array to flicker at least one time in the interval A. The power supply circuit according the present invention can apply by means of the charging/discharging circuit and the switch a voltage of pulse-type equal to or greater than the drive voltage to the peripheral regions of a phase of 180 degrees where the voltage supplied from the alternating voltage source is equal to or less than the drive voltage and so cannot drive the light-emitting diodes. Thus, the invention can increase the flickering frequency of the light-emitting diode to more than 240Hz (when the alternating voltage source is 60Hz).

No. of Pages: 58 No. of Claims: 8

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HIGHLY SELECTIVE NUCLEIC ACID AMPLIFICATION PRIMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C07H21/04 :61/762,117 :07/02/2013 :U.S.A. :PCT/US2014/015351 :07/02/2014 :WO 2014/124290 :NA :NA	(71)Name of Applicant:  1)RUTGERS, THE STATE UNIVERSITY OF NEW  JERSEY  Address of Applicant :Old Queen's Somerset Street, New  Brunswick, NJ 08909 UNITED STATES OF AMERICA.  (72)Name of Inventor:  1)MARRAS, Salvatore 2)VARGAS-GOLD, Diana 3)TYAGI, Sanjay 4)KRAMER, Fred, Russell
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### (57) Abstract:

This invention discloses multi-part primers for primer-dependent nucleic acid amplification methods. Also disclosed are primer-dependent nucleic acid amplification reactions, particularly DNA amplification reactions, reaction mixtures and reagent kits for such reactions. This invention relates to primer-dependent nucleic acid amplification reactions, particularly DNA amplification reactions such as PCR, and primers, reaction mixtures and reagent kits for such reactions and assays employing same.

No. of Pages: 103 No. of Claims: 23

(21) Application No.2328/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TNF-ALPHA ANTIGEN-BINDING PROTEINS

(51) International classification (31) Priority Document No	:C07K16/24,A61K39/395 :61/756,135	(71)Name of Applicant: 1)GLAXOSMITHKLINE INTELLECTUAL PROPERTY
(32) Priority Date	:24/01/2013	DEVELOPMENT LIMITED
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/EP2014/051160	Address of Applicant :980 Great West Road, Brentford, Middlesex TW8 9GS UNITED KINGDOM.
Filing Date	:22/01/2014	(72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2014/114651 :NA :NA	1)CROTTS, George 2)MORAR-MITRICA, Sorina
Filing Date (62) Divisional to Application Number Filing Date		

## (57) Abstract:

The present invention provides liquid formulations comprising antigen binding proteins which bind specifically to TNF-alpha and histidine buffer. For example novel variants of anti-TNF antibodies such as adalimumab which show increased binding to the FcRn receptor or increased half life compared to adalimumab. Also provided are compositions comprising the antigen binding proteins and uses of such compositions in treatment of disorders and disease.

No. of Pages: 115 No. of Claims: 47

(21) Application No.2329/KOLNP/2015 A

2)BROOKFIELD, Frederick Arthur

3) COURTNEY, Stephen Martin

1) CARDIOXYL, PHARMACEUTICALS, INC.

Address of Applicant : Suite 212, 1450 Raleigh Road,

Exchange East, Chapel Hill, North Carolina 27517 UNITED

(71)Name of Applicant:

STATES OF AMERICA.

4)FROST, Lisa Marie

5)TOSCANO, John, P.

(72) Name of Inventor: 1)KALISH, Vincent Jacob

(19) INDIA

(22) Date of filing of Application: 17/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: NITROXYL DONORS WITH IMPROVED THERAPEUTIC INDEX

(51) International :A61K31/18,C07D307/64,A61P9/04 classification

(31) Priority Document No :61/754,237 (32) Priority Date :18/01/2013 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2014/012085

:17/01/2014

Filing Date

(87) International Publication :WO 2014/113696 No

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

:NA Filing Date

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

(57) Abstract:

The disclosed subject matter provides N-substituted hydroxylamine derivative compounds, pharmaceutical compositions and kits comprising such compounds, and methods of using such compounds or pharmaceutical compositions. In particular, the disclosed subject matter provides methods of using such compounds or pharmaceutical compositions for treating heart failure.

No. of Pages: 76 No. of Claims: 20

(21) Application No.2468/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PURIFICATION OF RAPAMYCIN DERIVATIVES

(51) International classification	:G01N 25/20	(71)Name of Applicant :
(31) Priority Document No	:61/799,857	1)BIOSENSORS INTERNATIONAL GROUP, LTD.
(32) Priority Date	:15/03/2013	Address of Applicant :C/O BIOSENSORS
(33) Name of priority country	:U.S.A.	INTERNATIONAL TECHNOLOGIES PTE LTD, BLK 10,
(86) International Application No	:PCT/US2014/030602	KAKI BUKIT AVENUE 1, #06-01/04 KAMPONG UBI
Filing Date	:17/03/2014	INDUSTRIAL ESTATE, SINGAPORE 417942 SINGAPORE
(87) International Publication No	:WO 2014/145780	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)KAYO, MARGARET W.
Number		2)FORNICOLA, RICHARD S.
Filing Date	:NA	3)KOVACIK, IVAN
(62) Divisional to Application Number	:NA	4)KONDAVETI, LEELAKRISHNA
Filing Date	:NA	5)SINGH, ANIRUDDH

## (57) Abstract:

The present invention provides methods for obtaining purified rapamycin derivatives, including purified Biolimus A9. A crystalline form of Biolimus A9 is also described.

No. of Pages: 37 No. of Claims: 32

(21) Application No.2469/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHOD TO FORM A RAIL JOINT, AND A RAIL JOINT

(51) International classification	:B66C7/08,E01B11/24	(71)Name of Applicant:
(31) Priority Document No	:20135092	1)KONECRANES PLC
(32) Priority Date	:31/01/2013	Address of Applicant :Koneenkatu 8, FI-05830 Hyvinkää
(33) Name of priority country	:Finland	FINLAND
(86) International Application No	:PCT/FI2014/050074	(72)Name of Inventor:
Filing Date	:30/01/2014	1)MÄENPÄÄ Kari
(87) International Publication No	:WO 2014/118437	2)OJAPALO, Esa
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date	.NT A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method to form a rail joint, in which staggerings (6, 7) corresponding to each other are made in joinable solid-profile rail ends (4, 5) of parts (2, 3) of a rail (1) so that when a completed rail joint is viewed from above the rail heads bond; both rail ends are secured to a corresponding mounting; the rail ends secured to the mountings are brought against each other whereby said bonding is established; and the mountings that are against each other are secured to one another. The staggerings (6, 7) are made in such a manner that the lower edges (4a, 5a) of the rail ends (4, 5) are left substantially unstaggered whereby the staggerings extend from these lower edges towards the top surfaces or the rail ends; and the rail ends (4, 5) are welded by their lower edges(4a, 5a)at their entire width to their mountings (8, 9). The invention also relates to a rail joint made by this method.

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

(10) INDIA

(21) Application No.750/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :10/07/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: REFRIGERATOR

(51) International classification	:F25D	(71)Name of Applicant:
(31) Priority Document No	:10-2014- 0087439	1)LG ELECTRONICS INC. Address of Applicant :128, YEOUI-DAERO,
(32) Priority Date		YEONGDEUNGPO-GU, SEOUL, 150-721, REPUBLIC OF
(33) Name of priority country	:Republic of Korea	KOREA (72)Name of Inventor:
(86) International Application No	:NA	1)GUPTA, GOURAV
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In one embodiment, a refrigerator comprises a cabinet including: an outer case; an inner case; and an insulator disposed between the outer case and the inner case; an evaporator plate disposed in the inner case, the evaporator plate including: a tube through which a refrigerant flows; and a first coupling part, the first coupling part configured to couple the evaporator plate to the inner case; a cold storage pack disposed between the evaporator plate and the inner case and accommodating a phase change material (PCM); a plate closely attached to the cold storage pack so that the PCM is uniformly distributed, the plate including a second coupling part at a position corresponding to a position of the first coupling part; a frame disposed on a front side of the evaporator plate, and having an opening through which a storage item is introduced into and withdrawn from a storage compartment of the evaporator plate; and a fixing member fixed to the inner case to support the evaporator plate by passing through the first and second coupling parts.

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

(21) Application No.2385/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR PRODUCING ARYLSULFUR PENTAFLUORIDES

(51) International classification	:C07C381/00	(71)Name of Applicant:
(31) Priority Document No	:60/896,669	1)UBE INDUSTRIES, LIMITED
(32) Priority Date	:23/03/2007	Address of Applicant :SEAVANS NORTH BLDG., 1-2-1
(33) Name of priority country	:U.S.A.	SHIBAURA, MINATO-KU, TOKYO 105-8449 JAPAN
(86) International Application No	:PCT/US2008/057849	(72)Name of Inventor:
Filing Date	:21/03/2008	1)UMEMOTO, TERUO
(87) International Publication No	:WO2008/118787	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:3309/KOLNP/2009	
Filed on	:17/09/2009	

## (57) Abstract:

Novel processes for preparing arylsulfur pentafluorides are disclosed. Processes include reacting at least one aryl sulfur compound with a halogen and a fluoro salt to form an arylsulfur halotetrafluoride. The arylsulfur halotetrafluoride is reacted with a fluoride source to form a target arylsulfur pentafluoride.

No. of Pages: 59 No. of Claims: 2

(22) Date of filing of Application :21/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: BOTTLE CONTAINER WITH BOTTLE BREAKAGE-PREVENTING FUNCTION

(51) International :B65D23/08,B65D77/04,B65D77/20 classification

(31) Priority Document No :2013-034863

(32) Priority Date :25/02/2013 (33) Name of priority country: Japan

(86) International :PCT/JP2013/082023

Application No :28/11/2013

Filing Date

(87) International Publication :WO 2014/129041

(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)IWATA LABEL CO., LTD.

Address of Applicant: 5-15-18, Mitsui, Ichinomiya-shi, Aichi

4910827 JAPAN

(72) Name of Inventor:

1)IWAMATSU, Hironori

## (57) Abstract:

The bottle container is provided with: an inner container (2), the upper part of which is provided with a lid, which has a cylindrical form and is formed from a material that breaks easily; and an outer container (3), which is fitted so as to conform to the body (5) and the bottom (6) of the inner container (2). The upper part of the inner container (2) is formed as a shoulder section (8) with a narrowed or tapered form that is not covered by the outer container (3). The perimeter (13b) of the bottom (13) of the outer container (3) is made to be thicker than the thickness of the side wall (14) of the outer container (3). The central section (13a) of the bottom (13) of the outer container (3) forms a space (13c) that does not contact the bottom section (6) of the inner container and the thickness is made to be thinner than the perimeter (13b). The outer container (3) fitted on the inner container (2) and at least the shoulder section (8) of the inner container (2) are covered with a heat-shrinkable film (4) to unify the inner container (2) and the outer container (3). As a result, a bottle container, which has a bottle breakage-preventing function for preventing bottle breakage due to impact on the bottom or body of the bottle container, etc. is provided.

No. of Pages: 46 No. of Claims: 7

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMPOSITIONS COMPRISING HEAT-TREATED CLEAR TOMATO CONCENTRATE

(51) International classification	:A23L2/08,A23L1/227,C12P23/00	(71)Name of Applicant:
(31) Priority Document No	:61/754,975	1)LYCORED LTD.
(32) Priority Date	:22/01/2013	Address of Applicant :P.O. Box 320, 84102 Beer-Sheva
(33) Name of priority country	:U.S.A.	ISRAEL
(86) International Application No Filing Date	:PCT/IL2014/050075 :22/01/2014	(72)Name of Inventor: 1)ATLASMAN, Tatyana 2)BLATT, Yoav
(87) International Publication No	:WO 2014/115140	3)LEVY, Rachel 4)SHARONI, Yoav
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)LEVY, Joseph 6)ZELKHA, Morris
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention provides a therapeutic composition comprising heat-treated clear tomato concentrate (CTC), which has been found to possess both anti-inflammatory and bone-health promoting effects. The present invention is also directed to a composition comprising heat-treated CTC in combination with one or more carotenoids.

No. of Pages: 50 No. of Claims: 27

(21) Application No.2388/KOLNP/2015 A

3) RENOUARD, Marie

(19) INDIA

(22) Date of filing of Application :21/07/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: CHEWABLE COMPOSITION FOR ORAL ADMINISTRATION AND PROCESS FOR PREPARING **THEREOF**

(51) International classification :A23G3/36,A23G3/48,A61K9/00 (71)Name of Applicant: (31) Priority Document No :13305172.2 1)SANOFI

:14/02/2013 (32) Priority Date Address of Applicant :54 rue La Boétie, F-75008 Paris

(33) Name of priority country :EPO **FRANCE** 

(86) International Application (72) Name of Inventor: :PCT/EP2014/052746 1)DASTE, Georges :12/02/2014 Filing Date 2) DEROUET, Benjamin

(87) International Publication No:WO 2014/124981

(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 chewable compositions for oral administration, said compositions comprising high (methyl) pectin, glycerol and water. Advantageously, the chewable composition can comprise a drug substance. The present invention also concerns a process for preparing the chewable composition and the use of said chewable composition as a medicament.

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

(22) Date of filing of Application :03/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SODIUM MANAGEMENT SYSTEM FOR HEMODIALYSIS

(51) International classification	:A61M1/14	(71)Name of Applicant: 1)MEDTRONIC, INC.
(31) Priority Document No	:13/757,794	Address of Applicant :710 Medtronic Parkway, N.E.,
(32) Priority Date	:02/02/2013	Minneapolis, MN 55432 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2014/014356	2)PUDIL, Bryant, J.
Filing Date	:02/02/2014	3)GERBER, Martin, T.
(87) International Publication No	:WO 2014/121168	4)LURA, David, B.
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	5)MEYER, Thomas, E. (72)Name of Inventor: 1)PUDIL, Bryant, J.
(62) Divisional to Application Number	:NA	2)GERBER, Martin, T.
Filing Date	:NA	3)LURA, David, B. 4)MEYER, Thomas, E.

# (57) Abstract:

Systems and methods for managing the sodium concentration of a dialysate fluid during hemodialysis therapy and adjusting sodium concentration using a sodium management system to generate a sodium-modified fluid. The systems and methods also provide a mechanism for controlled addition of sodium ions to the dialysate to generate a predetermined total sodium concentration in a dialysate.

No. of Pages: 111 No. of Claims: 46

(21) Application No.790/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INSECT TRAP USING UV LED LAMP

(51) International classification	·A01M1/04	(71)Name of Applicant :
(31) Priority Document No	:62/028,383	` '
(32) Priority Date	:24/07/2014	· ·
(33) Name of priority country	:U.S.A.	163BEON-GIL, DANWON-GU, ANSAN-SI, GYEONGGI-DO
(86) International Application No	:NA	425-851, REPUBLIC OF KOREA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KOO, JONG HYUN
(61) Patent of Addition to Application Number	:NA	2)SONG, HYUN SU
Filing Date	:NA	3)LEE, DONG-KYU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to an insect trap using an ultraviolet light-emitting diode (UV LED) lamp, and more particularly, to an insect trap using, in place of a conventional UV light source lamp, a UV LED lamp that significantly increases the insect trapping efficiency. The insect trap according to the present disclosure includes: a UV LED lamp disposed in an air inlet portion of the duct, and including a printed circuit board (PCB) that has a UV LED chip mounted thereon; an installing portion for installing the UV LED lamp on; and a trapping portion provided near the installing portion.

No. of Pages: 55 No. of Claims: 20

(21) Application No.2535/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/08/2015 (43) Publication Date: 05/02/2016

## (54) Title of the invention: SYSTEM AND METHOD FOR SCANNING A BEAM OF ULTRA-SHORT PULSE LIGHT

(51) International :G02B26/10,A61F9/008,G02B27/00 classification

(31) Priority Document No :NA

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

(86) International Application :PCT/EP2013/055379

:15/03/2013 Filing Date

(87) International Publication :WO 2014/139582

No

(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)WAVELIGHT GMBH

Address of Applicant: Am Wolfsmantel 5, 91058 Erlangen

**GERMANY** 

(72) Name of Inventor:

1)VOGLER, Klaus

2) GORSCHBOTH, Claudia 3)DONITZKY, Christof

An embodiment of a scanning optical system (10) comprises: an optical source (22) providing a beam (38) of pulsed light of ultrashort pulse duration; a deflector (26) for deflecting the beam through a scan angle; a lens system including a focusing objective (30) for focusing the deflected beam; a dispersion compensating device (25) for reducing dispersion-related distortion of a pulse of the beam by the lens system, the dispersion compensating device including a deformable, dispersive mirror (42) and an actuator device (44) for the mirror; and a controller (18) for controlling the actuator device to change a shape of the mirror in accordance with the scan

angle.

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

(21) Application No.2536/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS IN PNEUMATIC MATERIALS HANDLING AND A WASTE CONTAINER/SEPARATING DEVICE

(51) International classification :B65F5/00,B65F1/10,B65G53/60 (71)Name of Applicant:

(31) Priority Document No :20135210 (32) Priority Date :05/03/2013

(32) Priority Date :05/03/2013 (33) Name of priority country :Finland

(86) International Application :PCT/FI2014/050121

No

Filing Date :19/02/2014

(87) International Publication No:WO 2014/135746

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

Number :NA

Filing Date

(71)Name of Applicant :
1)MARICAP OY

Address of Applicant :Pohjantähdentie 17, FI-01450 Vantaa

FINLAND

(72)Name of Inventor :1)SUNDHOLM, Gran

# (57) Abstract:

Method for filling a waste container/separating device (50) of a pneumatic material conveying system, in which method material is conducted into a material container from a conveying pipe (100) via an inlet aperture (55) and in which method, for bringing about the suction/partial vacuum needed in conveying the material, the suction side of a partial-vacuum source (30) is connected to act in the container space of the waste container/separating device (50) and onwards into the conveying pipe (100). By changing the point at which the suction of the partial-vacuum source acts or the strength of its action in the container space (68) of the waste container/separating device (50), the input direction in the container space of the material (W) being conducted into the container space from the inlet aperture (55) is acted upon. The invention also relates to an apparatus and to a waste container/separating device.

No. of Pages: 30 No. of Claims: 37

(22) Date of filing of Application :03/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: APPARATUS AND METHODS FOR HIGH THROUGHPUT SPERM SORTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B01L3/02,A61B17/43 :NA :NA :NA :PCT/US2013/031706 :14/03/2013 :WO 2014/142924	(71)Name of Applicant:  1)INGURAN, LLC Address of Applicant: 22575 State Highway 6 South, Navasota, Texas 77868 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)SHARPE, Johnathan, Charles 2)BUCHANAN, Kris
<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)SEDOGLAVICH, Nemanya 4)MORAD, Blair 5)PERRAULT, Donald, Francis, Jr. 6)KOKSAL, Erin

### (57) Abstract:

This disclosure relates to a system, device, and method for sorting sperm cells in a microfluidic chip. In particular, various features are incorporated into microfluidic chips and into sorting systems for aligning and orienting sperm in flow channels, as well as, for determining sperm orientation and measuring relative DNA content.

No. of Pages: 111 No. of Claims: 153

(22) Date of filing of Application :03/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention: BEARING COMPONENT FOR A PISTON ROD OF A DRUG DELIVERY DEVICE, PISTON ROD COMPRISING THE BEARING COMPONENT, AND DRUG DELIVERY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Petent of Addition to Application</li> </ul>	:A61M5/315 :13158513.5 :11/03/2013 :EPO :PCT/EP2014/054525 :10/03/2014 :WO 2014/139913	(71)Name of Applicant:  1)SANOFI-AVENTIS DEUTSCHLAND GMBH Address of Applicant: Brüningstraße 50, 65929 Frankfurt am Main GERMANY (72)Name of Inventor: 1)PLUMPTRE, David Aubrey
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract:

The bearing component(1) comprises a contact surface (2) inside a periphery (3), which surrounds a centre (4), and a coupling feature arranged inside the periphery for rotatably engaging a component of a piston rod perpendicular to the contact surface. The coupling feature includes at least one flexible feature (8) extending from the periphery towards the centre, and the flexible feature is arranged to be deflected towards the periphery by a force exerted on the flexible feature in a direction towards the contact surface and deflected towards the centre by a force exerted on the flexible feature in the opposite direction. The flexible feature may have a sloping surface (9) facilitating assembly and preventing disassembly in combination with a further component of the piston rod. The component of the piston rod may be a lead screw, and the piston rod may be used in a drug delivery device.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: 'A SIDE SUPPORT DEVICE FOR SUPPORTING SUPERHEATED STEM TUBES IN FLUIDIZED BED HEAT EXCHANGER'

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR, KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA. West Bengal (72)Name of Inventor:  1)VONTEDDU SUBASH REDDY 2)MANISH CHANDRA GUPTA 3)PILLARISETTI MEHER LAKSHMI PRASAD 4)SUPAK PORE
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#### (57) Abstract:

The present invention relates to a side arrester device for supporting superheated steam tubes in fluidized bed heat exchanger comprising a vertical member (3) attached to the side wall (1) of the boiler; and a first side of at least four horizontal members (2) each connected to the side wall (1), a second side of said four horizontal members (2) connected to the vertical member (3), wherein the device is attached to the combustor of the boiler so as to restrict lateral movement of the FBHE tubes when superheated including out of plane movement.

No. of Pages: 10 No. of Claims: 2

(22) Date of filing of Application :06/08/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: PYRIDONE AMIDES AS MODULATORS OF SODIUM CHANNELS

(51) International :C07D213/75,C07D401/12,A61K31/44 classification

(31) Priority Document No:61/759,059 (32) Priority Date :31/01/2013 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/013652

Application No :29/01/2014 Filing Date

(87) International :WO 2014/120808 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) VERTEX PHARMACEUTICALS INCORPORATED Address of Applicant :50 Northern Avenue, Boston, MA

02210 UNITED STATES OF AMERICA.

(72)Name of Inventor:

1)HADIDA-RUAH, Sara, Sabina

2)ANDERSON, Corey

3)ARUMUGAM, Vijayalaksmi

4)ASGIAN, Iuliana, Luci

5)BEAR, Brian, Richard

6) TERMIN, Andreas, P.

7) JOHNSON, James, Philip

### (57) Abstract:

The invention relates to pyridone amide compounds of formula I and I or pharmaceutically acceptable salts thereof useful as inhibitors of sodium channels: I I The invention also provides pharmaceutically acceptable compositions comprising the compounds of the invention and methods of using the compositions in the treatment of various disorders including pain.

No. of Pages: 189 No. of Claims: 33

(21) Application No.2579/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: MET-BINDING AGENTS AND USES THEREOF

(51) International classification	:A01K39/393,C12P21/08,C0/K10/18	1)ONCOMED PHARMACEUTICALS, INC.
(31) Priority Document No	:61/783,552	Address of Applicant :800 Chesapeake Drive, Redwood City,
(32) Priority Date	:14/03/2013	California 94063 UNITED STATES OF AMERICA.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)GURNEY, Austin L.
(86) International Application No Filing Date	:PCT/US2014/024258 :12/03/2014	2)XIE, Ming-Hong 3)BOND, Christopher John
(87) International Publication No	:WO 2014/159580	
(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 binding agents that specifically bind human MET, binding agents that specifically bind one or more components of the WNT pathway, bispecific agents that bind both human MET and one or more components of the WNT pathway, and methods of using the agents for treating diseases such as cancer.

No. of Pages: 134 No. of Claims: 30

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR PRODUCING INSTANT RICE, INSTANT RICE OBTAINED BY SAID PROCESS FOR PRODUCING INSTANT RICE, AND DEVICE FOR USE IN SAID PROCESS FOR PRODUCING INSTANT RICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A23L1/10 :2013-021369 :06/02/2013 :Japan :PCT/JP2014/050342 :10/01/2014 :WO 2014/122948 :NA :NA	(71)Name of Applicant:  1)SATAKE CORPORATION  Address of Applicant: 7-2, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1010021 JAPAN (72)Name of Inventor:  1)FUKUMORI, Takeshi 2)MATSUSHIMA, Hideaki 3)WAKABAYASHI, Keishi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The purpose of the present invention is to provide a process for producing instant rice which can be restored to the eatable cooked rice by merely pouring hot or cold water. This process for producing instant rice is characterized by comprising a first pressure steaming step in which raw rice is pressurized and steamed with stirring to form a gelatinized layer in the surface of the raw rice, a water addition step in which water is added to the raw rice having a gelatinized layer in the surface, a tempering step in which the water content of the raw rice to which water has been added is made even, a second pressure steaming step in which the raw rice to which water has been added is pressurized and steamed with stirring to gelatinize the raw rice to the center thereof, a drying step in which the raw rice gelatinized to the center is dried, and a puffing step in which the dried raw rice is puffed.

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

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : 'A COMPACT SLENDER STEEL SUPPORTING PEDESTAL FOR TESTING OF HEAVY ROTATING MACHINES'

(51) International classification	:B08B13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALT LAKE CITY, KOLKATA - 700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA. West Bengal
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PML PRASAD
(62) Divisional to Application Number	:NA	2)MANISH CHANDRA GUPTA
Filing Date	:NA	3)KAMETY SOWJANYA

#### (57) Abstract:

The invention relates to a steel columns which are made by forming a closed box using side plates. A top plate (1) and a bottom plate (2) are held together by means of a central pipe (6), which are enclosed with side plates (3), (4), (5) and (8) on all four sides, multiple intermediate support plates (7) are provided along the length of the central pipe, therefore, inside the box stiffening is provided by means of central pipe and transverse plates respectively, in this way, finally a configuration of the supporting structure has been synthesized.

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

(21) Application No.809/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :23/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: A STABILIZATION 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> </ul>	:NA	(71)Name of Applicant:  1)MANITOU ITALIA S.R.L. Address of Applicant: VIA CRISTOFORO COLOMBO, 2-LOCALITÀ CAVAZZONA, 41013 CASTELFRANCO EMILIA (MODENA) ITALY (72)Name of Inventor: 1)MARCO IOTTI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A stabilization apparatus (1) for lifts, handlers and air platforms, comprising: a main body (2), suitable for being mounted onto a vehicle and provided with at least two side branches (21), relative to which respective first arms (11) are rotpidally coupled; and second arms (12), each of which being rotoidally coupled to a respective first arm (11), thereby defining, together with the branches (21), corresponding articulated stabilizers (10). The stabilizers (10) are movable between a retracted position in which they are folded onto themselves, and an extended position in which they are unfolded, thus defining a configuration of stabilization.

No. of Pages: 19 No. of Claims: 14

(22) Date of filing of Application :10/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR THE RECOVERY OF TOBACCO FROM CIGARETTES WITH FILTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A24C5/36 :NA :NA :NA :NA :PCT/IB2013/000542 :06/03/2013 :WO 2014/135913 :NA :NA	(71)Name of Applicant: 1)COMAS - COSTRUZIONI MACCHINE SPECIALI - S.P.A. Address of Applicant: Via Cendon, 1, I-31057 Silea ITALY 2)MAGG CONSULTING - S.R.L. (72)Name of Inventor: 1)MARTIN, MARIO 2)MATARAZZO, Giacinto 3)MATARAZZO, Francesco
Filing Date	:NA :NA	

#### (57) Abstract:

Method for recovery of tobacco from cigarettes with filter, characterized in that it comprises the following operation phases: - feeding of cigarettes to be treated into parallel seats (8) located in a belt conveyor (6) moving perpendicularly to said seats through following process stations, - detection of the orientation of cigarettes (2), belonging to a preset group, into their seats (8), - axial holding at the filter (4) of a first subgroup of cigarettes (2) consisting of cigarettes with filter (4) located on the same side of said conveyor (6), - blowing of a compressed air jet through the filter (4) of cigarettes (2), so held, belonging to said subgroup and collection of the tobacco ejected from the opposite end into the first collection means (60), - axial holding of the filter (4) of a second subgroup of cigarettes (2) consisting of the remaining cigarettes of the above mentioned first group, - blowing of a compressed air jet through filter (4) of cigarettes (2) belonging to the second subgroup, so held, and collection of the tobacco that was ejected from the opposite end of the cigarettes, into said first collection means (60), - removal of the emptied cigarettes belonging to said first and second subgroups from said conveyor (6) and their collection into a second collection means (68), - feeding of said conveyor with new cigarettes (2) to be treated in place of the previous ones and repetition of the cycle.

No. of Pages: 31 No. of Claims: 23

(22) Date of filing of Application :13/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : POWER GENERATION PLANT INTEGRATING CONCENTRATED SOLAR POWER RECEIVER AND PRESSURIZED HEAT EXCHANGER

(51) International classification	:F22B31/08	(71)Name of Applicant :
(31) Priority Document No	:14/333940	1)BABCOCK & WILCOX POWER GENERATION
(32) Priority Date	:17/07/2014	GROUP, INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :20 S. VAN BUREN AVENUE,
(86) International Application No	:NA	BARBERTON, OH 44203 UNITED STATES OF AMERICA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SAKADJIAN, BARTEV B
(61) Patent of Addition to Application Number	:NA	2)FLYNN, THOMAS J
Filing Date	:NA	3)HU, SHENGTENG
(62) Divisional to Application Number	:NA	4)VELAZQUEZ-VARGAS, LUIS G
Filing Date	:NA	5)MARYAMCHIK, MIKHAIL

#### (57) Abstract:

A power plant includes a solar receiver heating solid particles, a standpipe receiving solid particles from the solar receiver, a pressurized heat exchanger heating working fluid by heat transfer through direct contact with heated solid particles flowing out of the bottom of the standpipe, and a flow path for solid particles from the bottom of the standpipe into the pressurized heat exchanger that is sealed by a pressure P produced at the bottom of the standpipe by a column of heated solid particles of height H. The flow path may include a silo or surge tank comprising a pressure vessel connected to the bottom of the standpipe, and a non-mechanical valve. The power plant may further include a turbine driven by heated working fluid discharged from the pressurized heat exchanger, and a compressor driven by the turbine.

No. of Pages: 39 No. of Claims: 30

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

### (54) Title of the invention: INTERCLOUD SECURITY AS A SERVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)CISCO TECHNOLOGY, INC.  Address of Applicant: 170 WEST TASMAN DRIVE, SAN JOSE, CA 95134 UNITED STATES OF AMERICA.  (72)Name of Inventor:  1)TIRUMALESWAR REDDY  2)PRASHANTH PATIL
•		
Filing Date	:NA	

#### (57) Abstract:

In an approach, a cloud connector component acts as a broker between a client computer, a security-enhanced domain name server, and a content scanning server. When receiving a domain name service (DNS) request from a client computer, the cloud connector forwards the DNS request to the security-enhanced domain name server. The security-enhanced domain name server performs a DNS lookup on the FQDN contained within the DNS request to determine a network address for a corresponding content provider. In addition, the security-enhanced domain name server calculates a reputation score for the content provider and determines whether the content provider is trustworthy based on the reputation score. The security-enhanced domain name server then sends a DNS response back to the cloud connector that specifies the network address and the result of the trustworthy determination. If the content provider is trustworthy, the cloud connector forwards the DNS response to the client computer. The client computer then sends a content request to the content provider and receives back the requested content. However, if the content provider is not trustworthy, the DNS response is modified to specify the network address of the content scanning server. As a result, the client computer sends the content request to the content scanning server which then proxies the request to the content provider. The content scanning server monitors the traffic passing back and forth between the client computer and the content provider for malware and other potential dangers.

No. of Pages: 27 No. of Claims: 21

(21) Application No.2514/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: ADJUSTMENT VALVE WITH ENERGY RECOVERY

:WO 2014/132187

(51) International classification :F03B13/00,F03B15/04,F03B11/00

(31) Priority Document No :MO2013A000051

(32) Priority Date :MO2013A00003 :27/02/2013

(33) Name of priority country: Italy

(86) International Application :PCT/IB2014/059229

No :25/02/2014

Filing Date

(87) International Publication

(61) Patent of Addition to
Application Number :NA

Application Number :NA :NA :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant : 1)LOCLAIN S.R.L.

Address of Applicant :Via Aspromonte 16/A I-40026 Imola

(Bologna) ITALY

(72)Name of Inventor: 1)GATTAVARI, Claudio, Angelo

2)FERIOLI, Lorenzo

#### (57) Abstract:

A control valve (1) comprising a valve body (2) having an inlet opening (3) and an outlet opening (4) for a fluid; a obturator (6) placed within the valve body (2) between the inlet and outlet openings (3, 4); recovery means (5) configured to transfer kinetic energy and/or potential energy extracted from the fluid out of the valve body (2), the recovery means (5) comprising a rotating element (7) placed within the valve body (2) downstream of the obturator (6) and configured to be put in rotation by the fluid.

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

(21) Application No.2515/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROBE WITH OPTOACOUSTIC ISOLATOR

(51) International classification	:A61B8/00,G01N29/24	(71)Name of Applicant :
(31) Priority Document No	:13/746,905	1)SENO MEDICAL INSTRUMENTS, INC.
(32) Priority Date	:22/01/2013	Address of Applicant :5253 Prue Road, Suite 315, San
(33) Name of priority country	:U.S.A.	Antonio, Texas 78240 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2014/012553	(72)Name of Inventor:
Filing Date	:22/01/2014	1)ACKERMAN, William
(87) International Publication No	:WO 2014/116705	2)HERZOG, Donald
(61) Patent of Addition to Application	:NA	3)CASAS, Justin
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An optoacoustic probe including an ultrasound transducer array, an acoustic lens and a light path separated from the transducer array by an isolator to mitigate light energy from the light path from reaching the transducer array. The isolator being formed from a mixture including a flexible carrier, a coloring and between 10% and 80% by volume micro-bubbles. The isolator mixture being adapted to both absorb light energy and the optoacoustic response to light energy. In an embodiment, an optoacoustic probe also comprises an optical window and/or a diffuser, and the isolator also separating the transducer array from these components.

No. of Pages: 48 No. of Claims: 45

(21) Application No.2516/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: IMMUNO IMAGING AGENT FOR USE WITH ANTIBODY-DRUG CONJUGATE THERAPY

(51) International classification	:C07K16/46,C07K16/30	(71)Name of Applicant:
(31) Priority Document No	:61/761,190	1)SANOFI
(32) Priority Date	:05/02/2013	Address of Applicant :54 Rue La Boetie, F-75008 Paris
(33) Name of priority country	:U.S.A.	FRANCE
(86) International Application No	:PCT/IB2014/000279	(72)Name of Inventor:
Filing Date	:05/02/2014	1)KRUIP, Jochen
(87) International Publication No	:WO 2014/122529	2)SARKAR, Susanta, K.
(61) Patent of Addition to Application	:NA	3)GEBAUER, Mathias
Number	:NA	4)LANGE, Christian
Filing Date	.INA	5)FOCKEN, Ingo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a companion diagnostic antibody-like binding protein based on the humanized monoclonal antibody, DS6, to be used as diagnostic tool for in vivo detection and quantification of the tumor-associated MUCl-sialoglycotope, CA6.

No. of Pages: 65 No. of Claims: 23

(21) Application No.2517/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date: 05/02/2016

# (54) Title of the invention: WASTEWATER TREATMENT SYSTEMS AND METHODS

(51) International classification :C02F3/00,C02F9/14,C02F11/04 (71)Name of Applicant :

(31) Priority Document No :61/751,524 (32) Priority Date :11/01/2013 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2014/011109

Filing Date :10/01/2014 (87) International Publication No: WO 2014/110417

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)ALCOA INC.

Address of Applicant : Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, Pennsylvania 15219-5858 UNITED STATES

OF AMERICA.

(72) Name of Inventor: 1)STRANO, Sarah K.

2) ISOVITSCH PARKS, Shannon L.

3)FU, Jaw K. 4)SMITH, John R.

#### (57) Abstract:

The instant disclosure is directed towards methods of treating wastewater and related systems, where the system includes: a first zone comprising at least one anaerobic tank, and a second zone comprising at least one engineered wetland. In some embodiments, the system includes a third zone comprising at least one bauxite residue cell.

No. of Pages: 73 No. of Claims: 19

(21) Application No.2518/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : APPARATUS FOR OPTICAL COHERENCE TOMOGRAPHY OF AN EYE AND METHOD FOR OPTICAL COHERENCE TOMOGRAPHY OF AN EYE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:A61B3/00,A61B3/10,A61B3/113 :000 : - : :PCT/EP2013/061061 :29/05/2013 :WO 2014/191031	(71)Name of Applicant:  1)WAVELIGHT GMBH  Address of Applicant: Am Wolfsmantel 5, 91058 Erlangen GERMANY (72)Name of Inventor:  1)WISWEH, Henning
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

An apparatus and a method for optical coherence tomography (OCT) of an eye are provided. The apparatus comprises a camera system, an OCT image-acquisition unit, and a control unit.

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

(21) Application No.841/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LAUNDRY TREATMENT APPARATUS

(31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country	2)SEO, JINWOO 3)KIM, WOOSEONG
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#### (57) Abstract:

A laundry treatment apparatus includes a main washing apparatus and a secondary washing apparatus that includes a cabinet, a drawer housing within the cabinet, a tub in the drawer for receiving washing water, hanging couplers provided at an outer circumferential surface of the tub and spaced apart from each other, suspending couplers provided at the drawer housing and positioned at locations corresponding to the hanging couplers, a drum rotatably provided in the tub, and suspension assemblies provided between the drawer housing and the tub to attenuate horizontal and vertical vibrations of the tub, the suspension assemblies being disposed between respective hanging couplers and suspending couplers to support the tub. Each of the suspension assemblies includes a support bar, support members at both ends of the support bar through which the support bar extends, and an elastic member disposed on the support member provided at one end of the support bar.

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

(22) Date of filing of Application :31/07/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: FULL HARD COLD-ROLLED STEEL SHEET AND PROCESS FOR MANUFACTURING SAME

(51) International classification :C22C38/00,C21D8/02,C21D9/46 (71)Name of Applicant:

(31) Priority Document No :2013-056092 (32) Priority Date :19/03/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/001421

:13/03/2014 Filing Date

(87) International Publication :WO 2014/148013

(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, Tokvo 1000011 JAPAN (72) Name of Inventor:

1)KOBAYASHI, Takashi

2)SAITO, Havato

3)FUNAKAWA, Yoshimasa

#### (57) Abstract:

Provided is a full hard cold-rolled steel sheet that is obtained by subjecting a hot-rolled steel sheet to cold rolling, said hot-rolled steel sheet having both a composition which contains, in mass%, 0.10 to 0.25% of C, at most 0.3% of Si, 0.5 to 1.0% of Mn, at most 0.03% of P, at most 0.02% of S, 0.01 to 0.08% of Al, at most 0.010% of Ti, at most 0.010% of Nb and at most 0.0010% of B with the balance being Fe and unavoidable impurities and a structure which comprises ferrite, bainite and pearlite with the fractions of ferrite, bainite and pearlite being 50 to 80%, 15 to 45% and 10% or less respectively, and that has a structure wherein: cementite is dispersed in the main phase composed of ferrite; in a cross section of the steel sheet in the rolling direction, the ferrite as the main phase is present in the form of work-flattened grains having an average aspect ratio of 3 or more; the cementite fraction is 5% or less relative to the whole structure; and in a cross section of the steel sheet in the rolling direction, the cross sections of the cementite grains have an average aspect ratio of 3 or less and a mean length of 1.0 µm or less. This full hard cold-rolled steel sheet exhibits excellent high temperature softening resistance. Also provided is a process for manufacturing the same.

No. of Pages: 50 No. of Claims: 2

(21) Application No.831/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LAUNDRY TREATMENT APPARATUS

(31) Priority Document No  (32) Priority Date  (33) Name of priority country  (33) Name of priority country	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)LEE, JIHONG 2)SUNG, KIJUNG
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#### (57) Abstract:

A laundry treatment apparatus includes a tub configured to receive washing water, a drum rotatably disposed in the tub, a water supply unit configured to supply washing water to the tub, and a water discharge unit configured to discharge washing water from the tub. The water supply unit is in fluidic communication with the water discharge unit.

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

(21) Application No.2502/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AUTOMATED TELLER MACHINE TRANSACTION BLOCKING

(51) International classification	:G06Q20/18,G06Q20/34,G06Q40/02	(71)Name of Applicant: 1)MASTERCARD INTERNATIONAL INCORPORATED
(31) Priority Document No	:13/748,939	Address of Applicant :2000 Purchase Street, Purchase, New
(32) Priority Date	:24/01/2013	York 10577 UNITED STATES OF AMERICA.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)JEFFRIES, Matt
(86) International Application No Filing Date	:PCT/US2013/069716 :12/11/2013	2)CHISHOLM, John 3)LAROSA, Theresa 4)MENARD, Kirk
(87) International Publication No	:WO 2014/116344	5)RAO, Prasad 6)SCHROEDER, Denise
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A system, method, and computer-readable storage medium configured to pre-emptively reject an Automated Teller Machine transaction without consulting an issuer.

No. of Pages: 50 No. of Claims: 21

(21) Application No.845/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: GEARBOX

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:F16H9/24 :201410378522.5 :01/08/2014 :China :NA :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON ELECTRIC S.A. Address of Applicant:FREIBURGSTRASSE 33, CH-3280  MURTEN SWITZERLAND (72)Name of Inventor: 1)WEI XING MAO 2)FAN OUYANG 3)XIANG HUAI QIU
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#### (57) Abstract:

A gearbox includes a main housing, a cover, a worm wheel and an output shaft. The main housing includes a receiving chamber having a bottom and a hub. The cover is mounted to an opening of the receiving chamber. The worm wheel is mounted in the receiving chamber. The output shaft is mounted to a center of the worm wheel and coaxially rotatable with the worm wheel. The output shaft extends outwardly through the hub from the receiving chamber. The hub directly supports either the worm wheel or the output shaft.

No. of Pages: 28 No. of Claims: 16

(21) Application No.2498/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: HYPERGLYCOSYLATED BINDING POLYPEPTIDES

(51) International classification	:C07K16/28	(71)Name of Applicant: 1)GENZYME CORPORATION
(31) Priority Document No	:61/776,724	
(32) Priority Date	:11/03/2013	Address of Applicant :500 Kendall Street, Cambridge, MA
(33) Name of priority country	:U.S.A.	02142 UNITED STATES OF AMERICA.
(86) International Application No		(72)Name of Inventor:
Filing Date	:10/03/2014	1)PAN, Clark
(87) International Publication No	:WO 2014/164503	2)QIU, Huawei
(61) Patent of Addition to Application	:NA	3)DHAL, Pradeep
Number		4)CHEN, Bo
Filing Date	:NA	5)GIANOLIO, Diego
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided are binding polypeptides (e.g., antibodies), and effector moiety conjugates thereof, comprising a CH1 domain (e.g., a human IgG1 CH1 domain), wherein the CH1 domain has an engineered N-linked glycosylation site at amino acid position (114), according to Kabat numbering. Also provided are nucleic acids encoding the antigen-binding polypeptides, recombinant expression vectors and host cells for making such antigen-binding polypeptides. Methods of using the antigen-binding polypeptides disclosed herein to treat disease are also provided.

No. of Pages: 137 No. of Claims: 35

(21) Application No.2499/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR PRODUCING FROZEN GRATIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:2013-061790 :25/03/2013 :Japan	(71)Name of Applicant:  1)NISSHIN FOODS INC.  Address of Applicant: 25, Kanda-Nishiki-cho 1-chome, Chiyoda-ku, Tokyo 1018441 JAPAN (72)Name of Inventor:  1)YAMAGUCHI, Hitomi 2)SUGA, Youhei 3)WATANABE, Takenori 4)MIYA, Youichiro
(61) Patent of Addition to Application	:NA	3)WATANABE, Takenori
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This process for producing a frozen gratin is characterized by comprising: extruding a dough which comprises durum wheat flour into a fresh pasta under a pressure of 100 to 200kgf/cm2; boiling the fresh pasta; and freezing the boiled fresh pasta together with a sauce. It is suitable to use, as the dough to be extruded, a dough obtained by blending 100 parts by mass of durum wheat flour with 2 to 6 parts by mass of a vegetable protein. Further, it is also suitable to boil the fresh pasta so as to make the boiling yield fall within a range of 190 to 250%.

No. of Pages: 17 No. of Claims: 4

(22) Date of filing of Application :20/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AXLE ATTACHMENT STRUCTURE FOR MOWER ROTOR

(51) International classification	· A 01 D 24/62	(71) Nome of Applicant
(31) International classification		(71)Name of Applicant:
(31) Priority Document No	:2014-	1)MIYAMARU ATTACHMENT KENKYUSHO, K.K.
(31) Thomy Bocument 110	153107	Address of Applicant :2-2-22 MYOJIN-CHO, FUKUYAMA-
(32) Priority Date	:28/07/2014	SHI, HIROSHIMA 721-0961 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MIYAMARU HIROTAKA
Filing Date	:NA	2)MIYAMARU MASAHIRO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided an axle attachment structure for mower rotors that allows the axle covers to be attached to various types of tending machines. a rotation restricting member provided on an outer periphery of one of the axle covers attached to a first side of the mission case in the width direction, the rotation restricting member extending to a second side of the mission case to be coupled to the other axle cover attached to the second side of the mission case, the rotating restricting member contacting the mission case to restrict the axle cover from rotating.

No. of Pages: 34 No. of Claims: 5

(21) Application No.2488/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/07/2015 (43) Publication Date: 05/02/2016

#### (54) Title of the invention: A1-ZN-BASED PLATED STEEL SHEET

(51) International classification :C23C2/12,C22C21/10,C23C2/06 (71)Name of Applicant:

(31) Priority Document No :2013-061507 (32) Priority Date :25/03/2013

(33) Name of priority country :Japan (86) International Application

:PCT/JP2014/001587 No :19/03/2014

Filing Date (87) International Publication :WO 2014/156073

(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, Tokvo 1000011 JAPAN (72) Name of Inventor:

1)MORIMOTO, Minako 2)YOSHIDA, Masahiro

3)ANDO, Satoru

#### (57) Abstract:

Provided is an Al-Zn-based plated steel sheet which does not undergo the formation of blisters in a coating film formed therein and exhibits excellent corrosion resistance after being plated. An Al-Zn-based plated steel sheet comprising: a steel sheet; and a twolayered Al-Zn plating layer which is arranged on the surface of the steel sheet and is composed of an interface alloy layer and an upper layer formed on the interface alloy layer, wherein the interface alloy layer is located on the boundary between the underlayer steel sheet and the upper layer. The upper layer contains a compound containing Si and Ca or a compound containing Si, Ca and Al, and the Ca/Si ratio in the upper layer is 0.72 to 1.4 by mass. The interface alloy layer comprises a Fe-Al-based compound and/or a Fe-Al-Sibased compound. The upper layer has a Si content of 0.1 to 2.0 mass% and a Ca content of 0.001 to 2.0 mass%.

No. of Pages: 31 No. of Claims: 4

(21) Application No.2511/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: BIOANALOGIC INTRAOCULAR LENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:12/12/2013 :WO 2014/111769 :NA :NA :NA	(71)Name of Applicant:  1)MEDICEM OPHTHALMIC (CY) LIMITED  Address of Applicant: Arch Makariou III Avenue, 195, Neocleus House, 3030, Limassol Cyprus CYPRUS (72)Name of Inventor:  1)STOY Vladimir 2)CHICEVIC, Eugen
Filing Date	:NA	

#### (57) Abstract:

A bioanalogic implantable ophthalmic lens ("BIOL") capable of replacing the natural crystalline lens (NCL) in its various essential functions after the NCL having been removed and BIOL implanted into the posterior eye chamber and placed into the capsular bag vacated from the NCL. At least the posterior surface of the lens has a convex shape and is made from a transparent flexible hydrogel material. At least the anterior and posterior optical surfaces are defined by rotation of one or more conic sections along the main optical axis and the surfaces defined by the rotation will include a plane perpendicular to the axis and conical surface symmetrical by the axis.

No. of Pages: 57 No. of Claims: 66

(21) Application No.2512/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR PACKET SEGMENTATION AND CONCATENATION SIGNALING IN A COMMUNICATION SYSTEM

(51) International classification :H04L 29/08 (31) Priority Document No :05020513.7 (32) Priority Date :20/09/2005

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2006/008369 Filing Date :25/08/2006

(87) International Publication No :WO/2007/039023

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

(62) Divisional to Application Number :1124/KOLNP/2008

Filed on :17/03/2008

(71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant: 1006, OAZA KADOMA, KADOMA-

SHI OSAKA 571-8501 JAPAN

(72)Name of Inventor:

1) CHARPENTIER, FREDERIC

2)LÖHR, JOACHIM

#### (57) Abstract:

A data transmission method comprising: segmenting or concatenating, by one or more processors, radio layer control (RLC) service data units (SOUs) to RLC protocol data units (PO Us) that fit within a size of a total size of RLC POU(s) indicated by a lower protocol layer processor, each RLC PDU having a header and a data field; mapping, by 10 the one or more processors, a single two bit field including a first bit and a second bit to the header for each of the RLC POUs, wherein a number of bits included in the single two bit field is two regardless of a number of SDUs included in the data field; the first bit and the second bit indicating only (i) whether or not the data field of its corresponding RLC POU begins with a segment of an RLC SOU, and (ii) whether or not the data field 15 ends with a segment of an RLC SOU; transmitting, by a transmitter, a data packet including one or more of the RLC PDUs.

No. of Pages: 30 No. of Claims: 13

(21) Application No.771/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: STERILIZATION AND DEODORIZATION 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></ul>	:10-2014- 0089497	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL, 150-721 REPUBLIC OF KOREA (72)Name of Inventor:
<ul> <li>(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 </li> </ul>	:NA :NA : NA : NA :NA :NA :NA	1)YEEKYEONG JUNG 2)KYUNGSOO YOON 3)JAESOO JANG 4)BONGJO SUNG

#### (57) Abstract:

A sterilization and deodorization apparatus is provided. The sterilization and deodorization apparatus may include a frame that defines an outer appearance of the sterilization and deodorization apparatus, a plasma unit or device disposed on or at one or a first side of the frame, the plasma unit forming a plasma region to generate a plurality of ions, and a filter unit or filter disposed on the other or a second side of the frame which is spaced apart from the frame. The filter unit may include a filter frame having a plurality of throughholes so that air passes therethrough, and a photocatalyst applied to the filter frame to perform photocatalytic reaction.

No. of Pages: 57 No. of Claims: 22

(21) Application No.2568/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: AIR COMPRESSOR 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</li> <li>Filing Date</li> </ul>	:NA :NA :NA :PCT/CN2013/071535	(71)Name of Applicant:  1)CHOU, Wen-San  Address of Applicant: No. 1-25, Kangwei, An-Din District Tainan City, Taiwan 745 PEOPLE'S REPUBLIC OF CHINA (72)Name of Inventor:  1)CHOUL Wen-San
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:07/02/2013 :WO 2014/121498 :NA :NA	1)CHOU, Wen-San
Filing Date	:NA	

#### (57) Abstract:

An air compressor apparatus that obviates the need for a mechanical pressure safety valve to be installed to allow an air compressor to be kept within a pressure safety value range during an operational phase, and provides a structure that is sufficient to protect a tire from the occurrence of a phenomenon that a tire pressure safety value is exceeded when being inflated. When a piston body (25) of the air compressor is at an upper dead point while making a linear movement in a cylinder (3), a cushioning space (36) is still present between a piston head (26) of the piston body (25) and an interior top wall (31) opposite thereto of the cylinder (3). A regulating valve (8) is arranged upon an air storage base (5) to serve as a capacity space for a regulating secondary air chamber (541). This prevents the air compressor from generating a set tire pressure value greater than that of a to-be-inflated tire, and is sufficient to allow for pressure relief by the air compressor without requiring a pressure safety valve. This saves manufacturing costs and allows for protection of tires.

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

(19) INDIA

(22) Date of filing of Application :04/08/2015

(21) Application No.2551/KOLNP/2015 A

(43) Publication Date: 05/02/2016

### (54) Title of the invention: LOW DELAY MODULATED FILTER BANK

(51) International classification :H03H 17/02 (71)Name of Applicant: (31) Priority Document No 1)DOLBY INTERNATIONAL AB :0900217-1 (32) Priority Date Address of Applicant : APOLLO BUILDING, 3E, :18/02/2009 (33) Name of priority country HERIKERBERGWEG 1-35, 1101 CN AMSTERDAM :Sweden (86) International Application No :PCT/EP2010/051993 ZUIDOOST, THE NETHERLANDS (72) Name of Inventor: Filing Date :17/02/2010 (87) International Publication No :WO/2010/094710 1)EKSTRAND, PER (61) Patent of Addition to Application :NA Number :NA

:3178/KOLNP/2011

:27/07/2011

(57) Abstract:

Filing Date

Filed on

(62) Divisional to Application Number

The document relates to modulated sub-sampled digital filter banks, as well as to methods and systems for the design of such filter banks. In particular, the present document proposes a method and apparatus for the improvement of low delay modulated digital filter banks. The method employs modulation of an asymmetric low-pass prototype filter and a new method for optimizing the coefficients of this filter. Further, a specific design for a (64) channel filter bank using a prototype filter length of (640) coefficients and a system delay of (319) samples is given. The method substantially reduces artifacts due to aliasing emerging from independent modifications of subband signals, for example when using a filter bank as a spectral equalizer. The method is preferably implemented in software, running on a standard PC or a digital signal processor (DSP), but can also be hardcoded on a custom chip. The method offers improvements for various types of digital equalizers, adaptive filters, multiband companders and spectral envelope adjusting filterbanks used in high frequency reconstruction (HFR) or parametric stereo systems.

No. of Pages: 50 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :04/08/2015

(21) Application No.2552/KOLNP/2015 A

(43) Publication Date: 05/02/2016

### (54) Title of the invention: LOW DELAY MODULATED FILTER BANK

(51) International classification:H03H 17/02(31) Priority Document No:0900217-1(32) Priority Date:18/02/2009(33) Name of priority country:Sweden

(86) International Application No
Filing Date

1.5 Weden

1.7 PCT/EP2010/051993

1.7 PCT/EP2010/051993

(61) Patent of Addition to Application
Number
:NA

(87) International Publication No

Filing Date :NA

(62) Divisional to Application Number :3178/KOLNF

(62) Divisional to Application Number :3178/KOLNP/2011 Filed on :27/07/2011 (71)Name of Applicant:

1)DOLBY INTERNATIONAL AB

Address of Applicant :APOLLO BUILDING, 3E, HERIKERBERGWEG 1-35, 1101 CN AMSTERDAM

:PCT/EP2010/051993 ZUIDOOST, THE NETHERLANDS

(72)Name of Inventor: 1)EKSTRAND, PER

#### (57) Abstract:

The document relates to modulated sub-sampled digital filter banks, as well as to methods and systems for the design of such filter banks. In particular, the present document proposes a method and apparatus for the improvement of low delay modulated digital filter banks. The method employs modulation of an asymmetric low-pass prototype filter and a new method for optimizing the coefficients of this filter. Further, a specific design for a (64) channel filter bank using a prototype filter length of (640) coefficients and a system delay of (319) samples is given. The method substantially reduces artifacts due to aliasing emerging from independent modifications of subband signals, for example when using a filter bank as a spectral equalizer. The method is preferably implemented in software, running on a standard PC or a digital signal processor (DSP), but can also be hardcoded on a custom chip. The method offers improvements for various types of digital equalizers, adaptive filters, multiband companders and spectral envelope adjusting filterbanks used in high frequency reconstruction (HFR) or parametric stereo systems.

:WO/2010/094710

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

(21) Application No.2267/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/07/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: COUPLING FOR A COOLING SYSTEM IN A CUTTING TOOL AND A BLADE

(51) International classification: B23B27/10,B23B27/08,B23C5/28 (71) Name of Applicant: (31) Priority Document No

:12197927.2 (32) Priority Date :19/12/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/076311

No :12/12/2013 Filing Date

(87) International Publication

:WO 2014/095545

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

:NA Number :NA Filing Date

1)SECO TOOLS AB

Address of Applicant :.. SE 737 82 Fagersta Sweden

(72)Name of Inventor: 1)THELIN Jimmy 2) JONSSON Mats

3)ELOFSSON Johan

(57) Abstract:

A coupling (21) and a blade for a cooling system in a cutting tool (23) includes a first member (25) including a shank (27) having a first end (29) and a second end (31) the first end (29) of the shank (27) defining a first end (33) of the first member (25) and a head (35) of the first member (25) at the second end (29) of the shank (27) a top (37) of the head (35) of the first member (25) defining a second end (39) of the first member (25). The head (35) of the first member (25) is frustoconical and the first member (25) includes a longitudinal passage (43) in the shank (27) and a radial opening (45) in the head (35) of the first member (25) in flow communication with the longitudinal passage (43).

No. of Pages: 16 No. of Claims: 15

(21) Application No.2268/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/07/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: HEAT SHUTTER 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>	:H05K7/20,H05K7/18 :NA :NA :NA :PCT/JP2012/082655 :17/12/2012 :WO 2014/097367 :NA	(71)Name of Applicant: 1)HITACHI SYSTEMS LTD. Address of Applicant: 2 1 Osaki 1 chome Shinagawa ku Tokyo 1418672 Japan (72)Name of Inventor: 1)MAEDA Takahiro
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/JP2012/082655 :17/12/2012 :WO 2014/097367 :NA :NA	(72)Name of Inventor:
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This heat shutter device provided on a rack (1) that assures side spaces (S) for cable wiring on both sides of an electronic device (2) and in which a plurality of electronic devices (2) are mounted in the direction of height of the electronic device (2) is provided with: a heat shutter (7) that prevents a circulating flow of warm air that is exhausted from the back surfaces of the electronic device (2) from going around to the front surfaces of the electronic device (2) by passing through the side spaces (S); a linking bar (9) provided in the rack (1) so as to pass through a base part (8) in the direction of height of the electronic device (2); and a latching part (10) that is provided on one side of the heat shutter (7) and latches rotatably to the linking bar (9).

No. of Pages: 19 No. of Claims: 4

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: PH BUFFER MEASUREMENT SYSTEM FOR HEMODIALYSIS SYSTEMS

(51) International classification :G01N7/00,G01N27/02,G01N25/18

(31) Priority Document No :61/760,078 (32) Priority Date :02/02/2013

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

(86) International Application :PCT/US2014/014357

Filing Date :02/02/2014

(87) International Publication :WO 2014/121169

No .wv

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

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant: 1)MEDTRONIC, INC.

Address of Applicant :710 Mdtronic Parkways, N.E., Minneapolis, MN 55432 UNITED STATES OF AMERICA.

2)PUDIL, Bryant, J.
3)MEYER, Thomas, E.
4)LURA, David, B.
5)GERBER, Martin, T.
(72)Name of Inventor:

1)PUDIL, Bryant, J. 2)MEYER, Thomas, E. 3)LURA, David, B.

4) GERBER, Martin, T.

#### (57) Abstract:

A pH-buffer measurement system that has at least one source for modifying the pH of a fluid entering the system, the source selected from an acid source and a base source. The acid source adds an acid equivalent to provide an acid reacted fluid and the base source adds a base equivalent to provide a base reacted fluid. The source is in fluid communication with a flow path and a component for determining a fluid characteristic of the acid reacted fluid or the base reacted fluid. The fluid characteristic that is measured is any one of a gas phase pressure, an electrical conductivity, or thermal conductivity.

No. of Pages: 82 No. of Claims: 26

(21) Application No.2549/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SHELF STABLE SPRAY DRIED 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>	:A23L1/22 :61/760,591 :04/02/2013 :U.S.A. :PCT/EP2014/051975 :03/02/2014 :WO 2014/118354 :NA :NA :NA	(71)Name of Applicant: 1)FIRMENICH SA Address of Applicant:1, route des Jeunes, P. O. Box 239, CH- 1211 Geneva 8 SWITZERLAND (72)Name of Inventor: 1)NORMAND, Valery 2)RADA, Alison 3)SCHOBER, Amanda 4)SUBRAMANIAM, Anandaraman (DECEASED) 5)VEAZEY, Robert L.
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#### (57) Abstract:

A process for the preparation of shelf stable dry particles that include flavours or fragrances, in which an emulsion of the flavour or fragrance, an emulsifier of a natural extract containing saponins, water and a carbohydrate carrier system is spray-dried. Also provided are shelf stable dry particles and products containing them.

No. of Pages: 35 No. of Claims: 24

(21) Application No.2383/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: STATOR SLEEVE WITH INTEGRATED COOLING FOR HYBRID/ELECTRIC DRIVE MOTOR

(51) International classification :B60W20/00,B60W10/08,B60W10/30

(31) Priority Document No :61/781,967 (32) Priority Date :14/03/2013

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

(86) International :PCT/US2014/020995

Application No Filing Date :06/03/2014

(87) International Publication No :WO 2014/158939

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

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

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA.

(72)Name of Inventor: 1)SILVA, Jorge, E.

### (57) Abstract:

A hybrid system includes an electric motor/generator or eMachine with a stator received in a cooling sleeve. The stator is pressed into the cooling sleeve to form a press-fit connection. The press fit connection has sufficient strength to carry the complete torque generated by the eMachine, so the stator will never move relative to the sleeve through the life of the hybrid system.

No. of Pages: 16 No. of Claims: 17

(21) Application No.2384/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PROCESS FOR PRODUCING ARYLSULFUR PENTAFLUORIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:60/896,669 :23/03/2007 :U.S.A. :PCT/US2008/057849 :21/03/2008 :WO2008/118787 :NA :NA	(71)Name of Applicant:  1)UBE INDUSTRIES, LIMITED  Address of Applicant:SEAVANS NORTH BLDG., 1-2-1 SHIBAURA, MINATO-KU, TOKYO 105-8449 JAPAN (72)Name of Inventor:  1)UMEMOTO, TERUO
(62) Divisional to Application Number Filed on	:3309/KOLNP/2009 :17/09/2009	

### (57) Abstract:

Novel processes for preparing arylsulfur pentafluorides are disclosed. Processes include reacting at least one aryl sulfur compound with a halogen and a fluoro salt to form an arylsulfur halotetrafluoride. The arylsulfur halotetrafluoride is reacted with a fluoride source to form a target arylsulfur pentafluoride.

No. of Pages: 58 No. of Claims: 2

(22) Date of filing of Application :03/08/2015 (43) Publication Date : 05/02/2016

### (54) Title of the invention: LIFT AXLE CONTROL MODULE FOR A MOTOR VEHICLE

(51) International classification :B60G17/052,B62D61/12,F15B13/00

(31) Priority Document No :5446/CHE/2013

(32) Priority Date :27/11/2013 (33) Name of priority

country :India

(86) International :PCT/IB2014/000411 Application No

Filing Date :24/03/2014

(87) International Publication No :WO 2015/079292

(61) Patent of Addition to

Application Number :NA

Application Number
Filing Date

(62) Divisional to

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

(71)Name of Applicant:

1)WABCO INDIA LIMITED

Address of Applicant :Plant 1 Plot No. 3 (SP), Third Main Road, Ambattur Industrial Estate, Chennai 600058 INDIA Tamil

Nadu

(72)Name of Inventor:

1)ARUMUGHAM, Ganesamoorthy 2)CHOWATTUKUNNEL, Jobin 3)SANKARAN, Lakshman

4)SREENIVASAN, Narayanan

5)SUNDARAMAMAHALINGAM, Selvamani

6)THAMEESDEEN, Sahul, Hameed

### (57) Abstract:

The invention refers to a lift axle control valve module (2) for a lift axle suspension system of a vehicle, said lift axle control valve module (2) comprising a pneumatic spool valve for adjusting the air volume of at least a suspension bellow and a lift bellow, a pressure differential valve for controlling said spool valve, an electrically actuated pneumatic valve device (7, 8) for receiving at least one electric control signal and for controlling said pressure differential valve (9), and a relay valve (10) controlled by said pneumatic spool valve (4), a load sensing valve (18) for delivering a signal pressure (p1) in dependence of an axle weight in order to control the pneumatic valve device (7, 8) and/or the pressure differential valve (9), wherein said lift axle control valve module (2) comprises a layer stack arrangement (100) with at least two valve levels (51, 52, 53) and at least two layers (41, 42, 43, 44) comprising air passages (11a, 11b, 11c, 11d, 11e, 11f, 11g, 11h, 11k, 11m) for conducting air, wherein the spool valve (4), the pressure differential valve (9), the electrically actuated pneumatic valve device (7, 8) and the relay valve (10) are integrated in the layer stack arrangement (100) and the load sensing valve (18) is fixed to the layer stack arrangement (100) and connected to the air passages (11m, 11k) of the layer stack arrangement (100).

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

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING SYSTEM, AND INFORMATION PROCESSING METHOD

(51) International classification :G06F21/31 (71)Name of Applicant: (31) Priority Document No 1)RICOH COMPANY, LTD. :2013-031063 (32) Priority Date Address of Applicant :3-6, Nakamagome 1-chome Ohta-ku, :20/02/2013 (33) Name of priority country Tokyo, 1438555 JAPAN :Japan (86) International Application No :PCT/JP2014/051161 (72)Name of Inventor : Filing Date :15/01/2014 1)KAMISHIRO, Daisuke (87) International Publication No :WO 2014/129251 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An information processing apparatus includes a determination unit configured to determine whether data including identification information of a user satisfy a condition to conceal the identification information, the data being generated when the user uses an apparatus, the condition being stored in a condition storage; a concealing unit configured to execute a concealing process to conceal the identification information included in the data when the data satisfy the condition; and a data storage configured to store one of the data including the identification information and data including the concealed identification information.

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

(21) Application No.2446/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/07/2015

(43) Publication Date: 05/02/2016

### (54) Title of the invention: INTERMEDIATES FOR USE IN THE PREPARATION OF INDAZOLE DERIVATIVES AND PROCESSES FOR THE PREPARATION THEREOF

(51) International :C07D403/12,C07D231/56,A61K31/416

classification

(31) Priority Document :61/770,031

:27/02/2013 (32) Priority Date

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

country

(86) International :PCT/US2014/019039 Application No

:27/02/2014 Filing Date

(87) International

Publication No

:WO 2014/134313

(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)ARRAY BIOPHARMA INC.

Address of Applicant: 3200 Walnut Street, Boulder, Colorado

80301 UNITED STATES OF AMERICA.

(72) Name of Inventor:

1)EARY, Todd C.

2) HACHE, Bruno P. 3)JUENGST, Derrick

4)SPENCER, Stacey Renee

5)STENGEL, Peter J.

6) WATSON, Daniel John

# (57) Abstract:

Provided herein are novel processes for preparing a compound of Formula (I) to the use of said compound as an intermediate in novel processes for the synthesis of indazole derivatives, and to indazole intermediates and derivatives prepared by the processes described herein.

No. of Pages: 48 No. of Claims: 63

(22) Date of filing of Application :27/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: CARBON DIOXIDE CHARGING APPARATUS AND METHOD FOR HEAT EXCHANGE UNIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F25D3/00 :61/757,992 :29/01/2013 :U.S.A. :PCT/US2014/013436 :28/01/2014 :WO 2014/120680 :NA :NA :NA	(71)Name of Applicant:  1)JOSEPH COMPANY INTERNATIONAL, INC. Address of Applicant:1711 Langley Avenue, Irvine, California 92614 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)SILLINCE, Mark
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#### (57) Abstract:

Apparatus and process to adsorb carbon dioxide onto compacted activated carbon in a HEU while removing the heat generated by the adsorption. A cooling tunnel is provided and maintained at approximately five degrees Celsius by continuously flowing a refrigerant therethrough. A plurality of completed cans with HEU are arranged internally and gassing heads are attached to each HEU and maintained at approximately 10-15 Bar for a period of twenty to thirty minutes after which the gassing heads would be removed and a new batch of cans inserted.

No. of Pages: 18 No. of Claims: 9

(21) Application No.2600/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : METHOD FOR REPORTING MBMS INFORMATION IN WIRELESS COMMUNICATION SYSTEM AND DEVICE FOR SUPPORTING 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> </ul>	:14/02/2014 :WO 2014/126424 :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)JUNG, Sunghoon 2)LEE, Youngdae 3)KIM, Sangwon
(61) Patent of Addition to Application		1 , ,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a method for reporting multimedia broadcast and multicast service (MBMS) information by a terminal in a wireless communication system. The method comprises: determining whether or not to permit the logging of MBMS information; logging the MBMS information if the logging of the MBMS information is permitted; and reporting the logged MBMS information to a network. Whether or not to permit the logging of the MBMS information is determined on the basis of logging scope.

No. of Pages: 89 No. of Claims: 19

(21) Application No.2556/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: ONE-POT PROCESS FOR THE PRODUCTION OF BIODIESEL AND GLYCEROL ETHER MIXTURES USEFUL AS BIOFUELS

(51) International classification: C07C67/24,C07C41/14,C10L1/00 (71) Name of Applicant:

:WO 2014/122579

(31) Priority Document No :MI2013A000156 (32) Priority Date :05/02/2013

(33) Name of priority country :Italy

(86) International Application :PCT/IB2014/058783

:04/02/2014 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)CONSIGLIO NAZIONALE DELLE RICERCHE

Address of Applicant: Piazzale Aldo Moro, 7, I-00185 Roma

(72) Name of Inventor: 1)NICOLOSI, Giovanni

2)DRAGO, Carmelo

3)LIOTTA, Leonarda, Francesca

4)LA PAROLA, Valeria 5) TESTA. Maria, Luisa

#### (57) Abstract:

The present invention relates to a process for the conversion of a feedstock containing one or more fatty acid triglycerides to a mixture containing one or more fatty acid alkyl esters and t-alkyl glycerols, comprising reacting said feedstock with a compound of formula (I): R-O-RI (I) wherein: RI is an alkyl, alkenyl or alkynyl having 1-18 carbon atoms; R is H or a tertiary alkyl group, wherein said reaction takes place in the presence of an acid transesterification catalyst by irradiation with microwaves and/or ultrasound and/or radio waves.

No. of Pages: 14 No. of Claims: 11

(21) Application No.2557/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: STAVE WITH EXTERNAL MANIFOLD

(51) International classification :C21B7/10,F28F9/02,F27D1/00 (71)Name of Applicant :

(31) Priority Document No :61/760,025 (32) Priority Date :01/02/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/014482 Filing Date :03/02/2014

(87) International Publication No :WO 2014/121213

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

1)BERRY METAL COMPANY

Address of Applicant: 2408 Evans City Road, Harmony, PA

16037 UNITED STATES OF AMERICA.

(72) Name of Inventor: 1)SMITH, Todd, G.

#### (57) Abstract:

Filing Date

A stave comprising an outer housing, an inner pipe circuit comprising individual pipes housed within the outer housing, wherein the individual pipes each has an inlet end and an outlet end and wherein each pipe may or may not be mechanically connected to another pipe, and a manifold, integral with or disposed on or in the housing; wherein the inlet and/or outlet ends of each individual pipe is disposed in or housed by the manifold. The manifold may be made of carbon steel while the housing may be made of copper. Each of the inlet and outlet ends of each individual pipe may be surrounded in part by cast copper within a housing of the manifold.

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

(21) Application No.2558/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

#### (54) Title of the invention: OVERFLOW VALVE

(51) International :F16K15/02,F16K15/06,F16K17/04

:WO 2014/131495

classification

(31) Priority Document No :10 2013 003 405.1 (32) Priority Date :28/02/2013 (33) Name of priority country :Germany

(86) International Application :PCT/EP2014/000419

No :15/02/2014

Filing Date .13/02/201

(87) International Publication

(61) Patent of Addition to :NA

Application Number
Filing Date

:NA
:NA

(62) Divisional to Application :NA
Number :NA

Filing Date

(71)Name of Applicant : 1)WABCO GMBH

Address of Applicant: Am Lindener Hafen 21, 30453

Hannover GERMANY
(72)Name of Inventor:
1)DIEKMEYER, Heinrich
2)KRAUS, Hauke

(57) Abstract:

The invention relates to an overflow valve (10) for a gaseous fluid, having a piston (26) which is prestressed by means of a compression spring (28) and is received in a cylinder (16, 18) of the overflow valve (10) such that it can be displaced along a longitudinal centre axis (14). Moreover, it is provided in said overflow valve that a sealing ring (42) for radial and axial sealing is arranged on a piston underside (40), that the radial outer side (48) of the sealing ring (42) bears against the cylinder (16, 18) on the inner side with the formation of a radial press fit, that the sealing ring (42) bears against a hollow-cylindrical valve seat (44) in a closed state of the overflow valve (10) as a consequence of the prestress of the compression spring (28), and that the sealing ring (42) is raised up from the valve seat (44) with the formation of an annular gap (82) in an open state of the overflow valve (10) after a predefined limit pressure of the fluid is exceeded, in order to release a flow path (84) for the fluid.

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

(22) Date of filing of Application :04/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD

# (57) Abstract:

A screen generating unit (287) generates a home screen for allowing a user to select a desired item of content from among multiple items of content, and the home screen includes a list in which multiple icons representing the multiple items of content are arranged. A display control unit displays the home screen on a television monitor (204). The screen generating unit (287) further arranges, in the list on the home screen, a search icon used to search for an item of content.

No. of Pages: 122 No. of Claims: 25

(21) Application No.2607/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

### (54) Title of the invention: RECIPROCAL DISTRIBUTION CALCULATING METHOD AND RECIPROCAL DISTRIBUTION CALCULATING SYSTEM FOR COST ACCOUNTING

(51) International :G06F19/00,G06F17/10,G06Q10/06 classification

(31) Priority Document No :10-2013-0011372 (32) Priority Date :31/01/2013

(33) Name of priority country: Republic of Korea

(86) International Application :PCT/KR2014/000662 No

:23/01/2014 Filing Date

(87) International Publication: WO 2014/119872

(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)CALEBABC CO. LTD.

Address of Applicant :O-2002, Lotte Castle President 109 Mapo-daero, Mapo-gu, Seoul 121-916 REPUBLIC OF KOREA

(72) Name of Inventor:

1)HAN, Yun

#### (57) Abstract:

The present invention relates to a method for calculating the reciprocal distribution for calculating a cost and a system therefor and more specifically to a method for effectively calculating each departmental cost by means of the reciprocal distribution and a system therefor. A method for calculating the reciprocal distribution for calculating a cost and a system therefor according to the present invention are characterized by using the limit and convergence of a transition probability matrix. The method and system for calculating the reciprocal distribution for calculating a cost are completely different from the method for calculating reciprocal distribution well known for several tens of years and are advantageous in effectively calculating the reciprocal distribution cost very

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention : "CHEMICAL FREE INFLATABLE MOSQUITO NET STRUCTURE AND PROCESS OF MANUFACTURING THE SAME"

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A45F3/52 :NA :NA	(71)Name of Applicant: 1)MRS. DIPTY RANI SAHOO Address of Applicant: QRS. NO.47, BLOCK:8, 1
(33) Name of priority country	:NA	BELVEDERE ESTATE, ALIPORE ROAD, KOLKATA-700027,
(86) International Application No Filing Date	:NA :NA	WEST BENGAL, INDIA 2)DR SATYAN KUMAR SAHOO
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MRS. DIPTY RANI SAHOO
Filing Date	:NA	2)DR SATYAN KUMAR SAHOO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to an inflatable mosquito net structure for Bed Net. More particularly, the present invention relates to an article for inflatable mosquito net structure for bed net having rectangular or cubic in shape can be separately fixed to the other net which may be utilized for trapping and killing mosquitoes and use for the protection of persons who are sleeping in bed in indoors or outdoors sitting unit from mosquito and the like when sleeping on a cot or on the ground in a sleeping bag in an insect infested location. Further this invention also relates to an inflatable mosquito net structure which has the characteristics of safety to the old and the young, easy operation, less occupied space and convenient storage; and the inflatable mosquito net allows the mosquito net productivity to be high, and has a wide application range.

No. of Pages: 31 No. of Claims: 15

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: DEFECT-MITIGATION LAYERS IN ELECTROCHROMIC DEVICES

(51) International classification	:G02F1/15	(71)Name of Applicant:
(31) Priority Document No	:13/763,505	1)VIEW, INC.
(32) Priority Date	:08/02/2013	Address of Applicant :195 South Milpitas Blvd., Milpitas,
(33) Name of priority country	:U.S.A.	California 95035 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2014/015374	(72)Name of Inventor:
Filing Date	:07/02/2014	1)KAILASAM, Sridhar K.
(87) International Publication No	:WO 2014/124303	2)FRIEDMAN, Robin
(61) Patent of Addition to Application	:NA	3)GILLASPIE, Dane
Number	:NA	4)PRADHAN, Anshu A.
Filing Date	.IVA	5)ROZBICKI, Robert T.
(62) Divisional to Application Number	:NA	6)MEHTANI, Disha
Filing Date	:NA	

#### (57) Abstract:

Electrochromic devices and methods may employ the addition of a defect-mitigating insulating layer which prevents electronically conducting layers and/or electrochromically active layers from contacting layers of the opposite polarity and creating a short circuit in regions where defects form. In some embodiments, an encapsulating layer is provided to encapsulate particles and prevent them from ejecting from the device stack and risking a short circuit when subsequent layers are deposited. The insulating layer may have an electronic resistivity of between about 1 and 108 Ohm-cm. In some embodiments, the insulating layer contains one or more of the following metal oxides: aluminum oxide, zinc oxide, tin oxide, silicon aluminum oxide, cerium oxide, tungsten oxide, nickel tungsten oxide, and oxidized indium tin oxide. Carbides, nitrides, oxynitrides, and oxycarbides may also be used.

No. of Pages: 99 No. of Claims: 98

(21) Application No.2584/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/08/2015

(43) Publication Date: 05/02/2016

### (54) Title of the invention: NON-ORIENTED MAGNETIC STEEL SHEET WITH EXCELLENT HIGH FREQUENCY IRON LOSS CHARACTERISTICS

(51) International

:C22C38/00,C22C38/06,C22C38/60

classification

:2013-060537

(31) Priority Document No (32) Priority Date

:22/03/2013

(33) Name of priority country: Japan

:NA

No

(86) International Application :PCT/JP2014/056430

Filing Date

:12/03/2014

(87) International Publication: WO 2014/148328

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

Filing Date

(62) Divisional to Application :NA

Number

:NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-

ku, Tokyo 1000011 JAPAN

(72) Name of Inventor:

1)KOSEKI Shinji

2)ODA Yoshihiko

3)TODA Hiroaki

4)HIRATANI Tatsuhiko

5)NAKANISHI Tadashi

A non-oriented magnetic steel sheet having either a composition which contains, in mass%, at most 0.005% of C, 1.5 to 4% of Si, 1.0 to 5% of Mn, at most 0.1% of P, at most 0.005% of S, at most 3% of Al, at most 0.005% of N, and at most 0.0030% of Bi with the balance being Fe and unavoidable impurities or a composition which contains, in mass%, at most 0.005% of C, 1.5 to 4% of Si, 1.0 to 5% of Mn, at most 0.1% of P, at most 0.005% of S, at most 3% of Al, at most 0.005% of N, and at most 0.0030% of Bi, and further contains 0.0005 to 0.005% of Ca and/or 0.0002 to 0.005% of Mg. This non-oriented magnetic steel sheet stably exhibits excellent high frequency iron loss characteristics, even when the steel sheet contains a large amount of Mn.

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

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention : DEVELOPING, DEPLOYING AND IMPLEMENTING POWER SYSTEM COMPUTER 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>	:G06F13/10 :13/735,920 :07/01/2013 :U.S.A. :PCT/US2014/010075 :02/01/2014 :WO 2014/107511 :NA :NA	(71)Name of Applicant:  1)ABB INC.  Address of Applicant: 12040 Regency Parkway, Suite 200, Cary, NC 27518 UNITED STATES OF AMERICA. (72)Name of Inventor:  1)LAVAL, Stuart, S.  2)LAWRENCE, David C.  3)NGUYEN, Khoi  4)HUANG, Wei  5)YODA, Davides A
* *		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for developing, deploying and implementing computer applications for a power system has an open software framework for developing mobile applications. The mobile applications are developed by combining predefined modules having functionality to monitor a power system, change configuration settings within devices installed on the power system and allow utility personnel to quickly respond to events occurring on the power system.

No. of Pages: 66 No. of Claims: 20

(22) Date of filing of Application :22/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: ENHANCED OIL RECOVERY USING ULTRASONIC HEATING AND ACOUSTIC CAVITATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:A61F7/00 :61/999,386 :25/07/2014 :U.S.A. :NA :NA :NA	
(62) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for enhanced oil recovery, comprising the steps of i) providing at least one antenna adjacent to a production well, wherein the antenna is configured to transmit ultrasonic vibrations; ii) electromagnetic heating of a rock formation adjacent to the production well, wherein electromagnetic heating reduces viscosity of the oil resulting in increased percolation towards the production well; and iii) inducing acoustic cavitation of hydrocarbons in the rock formation, wherein acoustic cavitation further enhances percolation of oil into the production well.

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

(22) Date of filing of Application :05/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: METHODS FOR IMPROVED PRODUCTION OF REBAUDIOSIDE D AND REBAUDIOSIDE M

(51) International classification (31) Priority Document No	:C12N15/81,C12N9/10,C12N9/02 :61/761,490	(71)Name of Applicant: 1)EVOLVA SA
(32) Priority Date	:06/02/2013	Address of Applicant :Duggingerstrasse 23, CH-4153 Reinach
(33) Name of priority country	:U.S.A.	SWITZERLAND
(86) International Application	:PCT/EP2014/052363	(72)Name of Inventor : 1)MIKKELSEN, Michael Dalgaard
Filing Date	:06/02/2014	2)HANSEN, Jorgen
(87) International Publication	:WO 2014/122227	3)SIMON, Ernesto
No (61) Patent of Addition to		4)BRIANZA, Federico 5)SEMMLER, Angelika
Application Number	:NA	6)OLSSON Kim
Filing Date	:NA	7)CARLSEN, Simon
(62) Divisional to Application	:NA	8)DÜRING, Louis
Number Filing Date	:NA	9)OUSPENSKI, Alexei 10)HICKS, Paula
Tilling Date		10)HICKS, I auia

(57) Abstract:

Methods for recombinant production of steviol glycoside and compositions containing steviol glycosides are provided by this invention.

No. of Pages: 153 No. of Claims: 117

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : MOBILE COMMUNICATION TERMINAL FOR RECEIVING CALL WHILE RUNNING APPLICATION AND METHOD FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B1/40 :10-2013-0001848 :08/01/2013 :Republic of Korea :PCT/KR2014/000216 :08/01/2014 :WO 2014/109555 :NA :NA :NA	(71)Name of Applicant:  1)JEONG, Han Uk  Address of Applicant:#302, Yoonsville, 91-240, Sinsu-dong, Mapo-gu Seoul 121-854 REPUBLIC OF KOREA (72)Name of Inventor:  1)JEONG, Han Uk
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#### (57) Abstract:

Disclosed are a mobile communication terminal for receiving a call while running an application and a method for same according to the present invention. The present invention provides the mobile communication terminal for receiving a call while running the application and the method for same, comprising: an input portion for receiving inputted information according to an operation of a key or a menu by a user; a control portion for running the application for an additional function according to the inputted information that is received, and controlling so that when an incoming signal is received, a call receiving window indicating call connection status information with respect to the incoming signal is displayed on a portion of an additional function running screen; and a display for receiving a control signal from the control portion and displaying same on the screen, wherein the call receiving window is displayed on the portion of the screen from which the application is run when the incoming signal is received while running the application for the additional function, thereby allowing continuous use of the additional function without disruption of application use due to receiving a call, and allowing control of call-related functions by using the call receiving window so that the call-related functions can be controlled even while using another application.

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

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

### (54) Title of the invention: METHODS OF ESTABLISHING AND ADJUSTING CURRENT LIMITS FOR DEVICE COUPLERS, AND AN ELECTRICAL CIRCUIT FOR PERFORMING THE METHODS

(51) International classification: G05B19/042,H02H9/00,H02J1/04 (71)Name of Applicant:

(31) Priority Document No :1304957.2 (32) Priority Date :19/03/2013

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

(86) International Application :PCT/EP2014/055450

:18/03/2014

Filing Date (87) International Publication

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

Filing Date (62) Divisional to Application Number :NA

:WO 2014/147093

:NA

1)PEPPERL + FUCHS GMBH

Address of Applicant :200 Lilienthalstrasse, 68307 Mannheim

**GERMANY** 

(72)Name of Inventor: 1)KITCHENER, Renato 2)ROGOLL, Gunther

(57) Abstract:

Filing Date

A method of establishing current limits for each of a plurality of device couplers mounted on a trunk of an electrical circuit at distributed physical positions, in which each of said device couplers is capable of servicing one or more spurs connected thereto, and in which said trunk has a total trunk current and a known resistive component, comprising the steps of: a) establishing physical characteristics of the electrical circuit including i) an order in which said device couplers are mounted on said trunk along its length; ii) a load current each device coupler requires to service the one or more spurs connected thereto; and, iii) a voltage drop of each of said sections of trunk caused by the resistive component thereof, which is proportional to a physical length thereof and the combined load currents of each device coupler serviced by that section of trunk; b) calculating a current limit for each device coupler, which current limit is greater than said load current, according to a predetermined tolerance rationale; c) calculating an intermediate trunk current available to each device coupler by deducting from said total trunk current the current limits of each device coupler preceding that device coupler in said order, as well as a consequential reduction in current caused by said voltage drop of each of said sections of trunk preceding that device coupler; and, d) adjusting said current limits so none exceeds the intermediate trunk current available to the corresponding device coupler.

No. of Pages: 36 No. of Claims: 12

(21) Application No.2599/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING VESICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61K9/50 :13154463.7 :07/02/2013 :EPO :PCT/EP2014/052370 :06/02/2014 :WO 2014/122232 :NA :NA :NA	(71)Name of Applicant:  1)GLAXOSMITHKLINE BIOLOGICALS SA Address of Applicant:Rue de l'Institut 89, B-1330 Rixensart BELGIUM 2)EXTERNAUTICS SPA (72)Name of Inventor: 1)GRANDI, Guido 2)GRANDI, Alberto
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#### (57) Abstract:

This invention relates to pharmaceutical compositions comprising animal vesicles and bacterial vesicles, methods for preparing said compositions, and uses thereof.

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

(21) Application No.814/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014

(43) Publication Date: 05/02/2016

(54) Title of the invention: DESIGN AND DEVELOPMENT OF A LOCATING SYSTEM IN WORK PIECE ADAPTORS TO HOLD METAL BLANKS OF DIFFERENT CROSS SECTIONS IN WORK PIECE ADAPTOR (CHUCK) DURING MACHINING OF BAR TYPE STEAM TURBINE BLADES IN 5 AXIS MACHINES.

(51) International classification :B08B3/08 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR, KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT,NEW DELHI - 110049, INDIA. West Bengal (72)Name of Inventor: 1)SANDIP CHAKRABORTY 2)SANJIV KUMAR 3)SAKSHAM SAXENA 4)ANIL KUMAR
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### (57) Abstract:

A locating system in work piece adaptors to hold metal blanks of different cross sections comprising: a L-shaped locator body (3) with nuts (5) and bolt (4) mounted on a work piece adaptor (1) with jaws (2) characterized in that the bolt (4) is fixed in the locator body (3) in a position such that the inner face of the bolt (4) is at half the distance (D) of the width 2D of the blank (6) from the centre line (C) of the locator body (3) and tightened by the plurality of nuts in the position wherein the face of the bolt abuts one face of the blank for centering of the work piece.

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

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 05/02/2016

# (54) Title of the invention: "A PROCESS FOR CONFIGURING INSOLATION INTELLIGENT BUILDING INTEGRATED PHOTOVOLTAIC (BIPV) SYSTEMS"

(51) International classification	:F16M11/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTTE OF ENGINEERING SCIENCE
(32) Priority Date	:NA	AND TECHNOLOGY, SHIBPUR (FORMERLY BENGAL
(33) Name of priority country	:NA	ENGINEERING AND SCIENCE UNIVERSITY, SHIBPUR)
(86) International Application No	:NA	Address of Applicant :P.O BOTANIC GARDEN,
Filing Date	:NA	HOWRAH, WEST BENGAL, INDIA. PIN-711103
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. DEBKALYAN PAUL
Filing Date	:NA	2)PROF. DIPANKAR MUKHERJEE
(62) Divisional to Application Number	:NA	3)PROF. S.R. BHADRA CHAUDHURI
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an optimization process for enhancement of annual insolation distribution of a Building Integrated Photovoltaic (BIPV) System, comprising the steps of forming a frequency distribution of hourly total insolation falling on a module plane round the year; repeating the step of frequency distribution formation for all module planes used in the BIPV system; determining the tentative percentage surface area share of each module plane used in the system; forming a composite frequency distribution of hourly total insolation collected by the complete BIPV installation; estimating the descriptive statistics for the composite frequency distribution, identifying critical statistic(s) through Quality Function Deployment (QFD) technique; and carrying out Artificial Neural Network (ANN) computation to obtain desired percentage of surface area share to be allocated for each module plane, such that the critical statistics of the composite frequency distribution of insolation are at their optimum levels.

No. of Pages: 23 No. of Claims: 7

(22) Date of filing of Application :07/08/2015

(43) Publication Date: 05/02/2016

# (54) Title of the invention : FLAG-ACCESS-PROBLEM REVIEW DEVICE, FLAG-ACCESS-PROBLEM REVIEW METHOD, AND FLAG-ACCESS-PROBLEM REVIEW PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F11/36 :2013-008354 :21/01/2013 :Japan :PCT/JP2013/084880 :26/12/2013 :WO 2014/112316 :NA :NA :NA	(71)Name of Applicant:  1)NISSAN MOTOR CO., LTD.  Address of Applicant: 2, Takara-cho, Kanagawa-ku Yokohama-shi, Kanagawa 221-0023, JAPAN (72)Name of Inventor:  1)ICHIKAWA, Satoshi
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#### (57) Abstract:

This flag-access-problem review device detects binary flags in a computer program that uses said flags to selectively execute one of two or more different processes (S01, S02); identifies statements that access said flags (D05), the actions that said statements perform with respect to the flags (D06), and the execution order (D08) of said statements (S04, S05, S07); uses the actions that said statements perform with respect to the flags (D06) and the execution order (D08) of said statements to determine whether or not there is a possibility that the flags cannot be used to selectively execute one of two or more different processes (S08 through S11); and outputs the results of said determination (S12).

No. of Pages: 56 No. of Claims: 8

(21) Application No.772/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :16/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: PLASMA ELECTRODE DEVICE

(51) International classification	:B01D53/32	(71)Name of Applicant:
(21) Driggitty Decument No.	:10-2014-	1)LG ELECTRONICS INC.
(31) Priority Document No	0089498	Address of Applicant :LG ELECTRONICS INC., 128,
(32) Priority Date	:16/07/2014	YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL, 150-721
(22) Name of miority country	:Republic	REPUBLIC OF KOREA
(33) Name of priority country	of Korea	(72)Name of Inventor:
(86) International Application No	:NA	1)JAESOO JANG
Filing Date	:NA	2)YEEKYEONG JUNG
(87) International Publication No	: NA	3)BONGJO SUNG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A plasma device and an air conditioner including a plasma device are provided. The plasma device may include a substrate body, a first electrode disposed on one or a first surface of the substrate body to perform plasma discharge, and a second electrode disposed on the other or a second surface of the substrate body to act with the first electrode. The substrate body may include a third electrode that acts with the first electrode or the second electrode to perform the plasma discharge, and an insulator that surrounds the third electrode.

No. of Pages: 43 No. of Claims: 32

(21) Application No.832/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LAUNDRY TREATMENT 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>	:10-2014- 0097234 :30/07/2014 :Republic of Korea :NA :NA :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant:128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA (72)Name of Inventor: 1)LEE, JIHONG 2)SANG, MINKYU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A laundry treatment apparatus includes a tub configured to receive washing water, a drum rotatably disposed in the tub, a water supply unit configured to supply washing water to the tub, and a softener supply unit configured to supply softener to the tub. The water supply unit is in fluidic communication with the softener supply unit.

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

(22) Date of filing of Application :16/09/2010 (43) Publication Date : 05/02/2016

# (54) Title of the invention : METHOD FOR TRANSITIONING OF STATE MECHINES AFTER RADIO ACCESS NETWORK IS RESELECTED AND TERMINAL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H04W68/02 :200910175577.5 :18/09/2009 :China :NA	Address of Applicant :HUAWEI ADMINISTRATION BUILDING BANTIAN, LONGGANG DISTRICT, SHENZHEN GUANGDONG 518129, P.R. CHINA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TANG, CHUNMEI
(61) Patent of Addition to Application Number	:NA	2)XU, MINGXIA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the communication field and discloses a method for transitioning of a state machine after a radio access network (RAN) is reselected and a terminal. With the present invention, after a mobile terminal reselects from a high rate packet data (HRPD) network to a long term evolution (LTE) network, related protocols can know the reselection, thus ensuring that the mobile terminal performs normal actions subsequently. The method includes: generating first information when a mobile terminal reselects from an HRPD network to an LTE network; after receiving the first information, setting, by the Signaling Adaptation Protocol (SAP) of the HRPD module air interface protocol, the TunnelModeEnabled parameter to a first identifier, so that air interface related sub-protocols of an HRPD module know that the mobile terminal has reselected to the LTE network. The present invention is applicable to a scenario in which the terminal reselects from the HRPD network to the LTE network.



No. of Pages: 37 No. of Claims: 18

(22) Date of filing of Application :29/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: OPERATING A REDOX FLOW BATTERY WITH A NEGATIVE ELECTROLYTE IMBALANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H01M8/18,H01M8/04 :61/747,491 :31/12/2012 :U.S.A. :PCT/US2013/077558 :23/12/2013 :WO 2014/105851 :NA :NA	(71)Name of Applicant:  1)ENERVAULT CORPORATION  Address of Applicant: 1244 Reamwood Avenue, Sunnyvale, California 94089 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)PHAM, Quoc 2)CHANG, On 3)DURAIRAJ, Sumitha
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Loss of flow battery electrode catalyst layers during self discharge or charge reversal may be prevented by establishing and maintaining a negative electrolyte imbalance during at least parts of a flow battery"s operation. Negative imbalance may be established and/or maintained actively, passively or both. Actively establishing a negative imbalance may involve detecting an imbalance that is less negative than a desired threshold, and processing one or both electrolytes until the imbalance reaches a desired negative level. Negative imbalance may be effectively established and maintained passively within a cell by constructing a cell with a negative electrode chamber that is larger than the cell"s positive electrode chamber, thereby providing a larger quantity of negative electrolyte for reaction with positive electrolyte.

No. of Pages: 58 No. of Claims: 21

(22) Date of filing of Application :29/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: SPRING-LOADED CONNECTION TERMINAL AND CONDUCTOR CONNECTION 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>	:10 2013 101 411.9 :13/02/2013 :Germany :PCT/EP2014/052720 :12/02/2014 :WO 2014/124962 :NA :NA	(71)Name of Applicant:  1)WAGO VERWALTUNGSGESELLSCHAFT MBH Address of Applicant: Hansastraße 27, Minden, 32423 GERMANY (72)Name of Inventor: 1)STOLZE, Henry
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a spring-loaded connection terminal (1) with at least one clamping spring (2) which is bent in the shape of a loop and with a busbar (9). The clamping spring (2) has a contact limb (6) which rests against the busbar (9), a spring bow (5) which adjoins the contact limb (6), and a clamping limb (3) which adjoins the spring bow (5) and a free clamping end (4) of which points in the direction of the busbar (9). The contact limb (6) has at least one recess (12).

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

(21) Application No.842/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :31/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: LAUNDRY TREATMENT APPARATUS

(31) Priority Document No (32) Priority Date (33) Name of priority country :Re	A 2)LEE, JUNHO A 3)LEE, DONGSOO A A A A
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#### (57) Abstract:

A laundry treatment apparatus for treating laundry includes a main washing device and a secondary washing device. The secondary washing device includes a tub configured to receive wash water, a drum rotatably provided in the tub and configured to receive laundry, and a pulsator rotatably provided in the drum and configured to be rotated by motion of one or both of the wash water and the laundry that are received in the drum.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 05/02/2016

(54) Title of the invention: "A PROCESS FOR CONTROLLING MECHANICAL PROPERTIES OF REBARS PRODUCED IN ROLLING MILLS BY CONTROLLING UNIQUE FINISH ROLLING TEMPARATURE FOR INDIVIDUAL HEAT BASED ON CARBON EQUIVALENT IN HEAT"

	D21D21/00	
(51) International classification	:B21B21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, INDIA. Jharkhand
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)R N SARKAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Rolling Mills roll billets to rebars of high Yield Strength (YS 500Mpa) as per IS1786:2008. Billets cast from a single cycle of steel making in LD is called "Heat". Heat chemistry, mainly the Carbon plus one sixth of Manganese together called Carbon Equivalent (CE) which determines the final YS in the finished product (rebar). Finish Rolling Temperature (FRT) is the single most rolling process parameter that determines the final YS in the rebar while the CE including other process parameters remain unchanged and vice versa. As the FRT range and CE range is specified in process charts, if a low CE Heat is rolled in high FRT, the rebar will fail in low YS and vice versa. FRT vs CE (0.32 to 0.42 step 0.01) Matrix was developed for each section of rebar rolled in Rolling Mill considering extreme deviations in Heat CE, based on past six months data. The inventive process is to roll heats at unique FRT for unique Heat CE and section of rebar and mainly to reduce variation in YS due to variable chemistry in Heats.

No. of Pages: 10 No. of Claims: 1

(21) Application No.2577/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/08/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: COMPACTION APPARATUS AND METHOD FOR HEAT EXCHANGE UNIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/01/2014 :WO 2014/120839 :NA :NA	(71)Name of Applicant:  1)JOSEPH COMPANY INTERNATIONAL INC. Address of Applicant:1711 Langley Avenue, Irvine, California 92614 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)SILLINCE, Mark
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A module defining a plurality of cavities adapted to receive adsorbent material and movable from a loading station to a compaction station and to a transfer station, a plurality of rams at the compaction station for exerting pressure on the adsorbent material to compact it and rams at the transfer station to extract the compacted adsorbent material from said cavities.

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

(21) Application No.714/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: THREAD-FEEDING DEVICE

(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) Name of priority country (84) International Publication No (85) International Publication No (86) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (90) International Publication No (91) International Publication No (92) International Publication Number Filing Date (93) International Publication Number Filing Date (94) International Capacity Country (95) International Publication No (96) International Publication No (97) International Publication No (97) International Publication No (97) International Publication No (98) International Publication No (99) International Publication No (90) International Publication No (91) International Publication No (91) International Publication No (91) International Publication No (92) International Publication No (93) International Publication No (94) International Publication No (95) International Publication No (96) International Publication No (97) International Publication No (97) International Publication No (97) International Publication No (98) International Publication No (98) International Publication No (98) International Publication No (99) International Publication No (90) International P	2 (71)Name of Applicant: 1)SIPRA PATENTENTWICKLUNGS-UND BETEILIGUNGSGESELLSCHAFT mbH Address of Applicant:EMIL-MAYER-STRAßE 10 72461 ALBSTADT GERMANY (72)Name of Inventor: 1)TRAENKLE, DIETMAR 2)BRUENNER, AXEL
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#### (57) Abstract:

A thread-feeding device for circular knitting machines having yarn- striping devices (14), which has thread-conducting tubes (10), per yarn- striping device (14), in a number which corresponds to the number of threads which can be processed by the yarn-striping devices (14), the thread-conducting tubes (10) respectively being disposed between a receiving means (11) for a thread bobbin and a striper feeder (12) which precedes the yarn-striping device (14) and being provided with a thread-sensor mechanism (13), the thread sensor mechanisms (13) of all thread-conducting tubes (10) assigned to one knitting position (15) being evaluatable in common by one monitoring device and a stop signal being generatable by the monitoring device for the machine control upon detection of a thread fault.

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

(22) Date of filing of Application :20/07/2015 (43) Publication Date: 05/02/2016

### (54) Title of the invention: AMPLIFIER CIRCUIT, ANTENNA MODULE, AND RADIO COMMUNICATION DEVICE

(51) International classification :G06K19/07,H04B1/59,H04B5/02 (71)Name of Applicant : (31) Priority Document No :2013-027730

(32) Priority Date :15/02/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/052986

:04/02/2014 Filing Date

(87) International Publication :WO 2014/126026

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

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

1)RICOH COMPANY, LTD.

Address of Applicant :3-6, Nakamagome 1-chome, Ohta-ku,

Tokvo, 1438555 JAPAN (72) Name of Inventor: 1)TSUJI, Masaaki

2)KAWAHATA, Koji 3)TSUKAMOTO, Nobunari 4)OTSUKI, Takashi

#### (57) Abstract:

An amplifier circuit performs an amplification of a carrier signal received by a transmitting and receiving unit. The amplifier circuit includes an impedance matching circuit that performs matching of an impedance of the amplifier circuit when the transmitting and receiving unit and the amplifier circuit are connected. A superposition wave generating unit generates a superposition wave which is superimposed on the received carrier signal. A driver outputs an amplified carrier signal which is obtained by adding the superposition wave to the received carrier signal. An amplitude detecting unit detects whether the received carrier signal is a predetermined carrier signal superimposed with a predetermined communication signal, based on changes of an amplitude value of the received carrier signal. When the predetermined carrier signal is detected, the amplifier circuit outputs the amplified carrier signal.

No. of Pages: 54 No. of Claims: 13

(21) Application No.2494/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

# (54) Title of the invention: TUMOR VACCINES AND METHODS OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:A61K39/12 :61/759,903 :01/02/2013 :U.S.A. :PCT/US2014/013884 :30/01/2014 :WO 2014/120941 :NA :NA	(71)Name of Applicant:  1)UNIVERSITY OF IOWA RESEARCH FOUNDATION Address of Applicant: 112 N. CAPITOL STREET, 6 GILMORE HALL, IOWA CITY, IOWA 52242-5500 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)VANDEN BUSH, Tony 2)BISHOP, Gail
11		2)Distrot, Gan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a therapeutic agent comprising an antibody-recognition epitope (ARE) covalently bound to a tumor cell, wherein the ARE is bound to an antibody that is specific for the ARE, to form a tumor cell:ARE:antibody complex, and kits and methods of using these tumor cell:ARE:antibody complexes.

No. of Pages: 42 No. of Claims: 50

(21) Application No.695/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012 (43) Publication Date : 05/02/2016

(54) Title of the invention: WALL BEAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:E04F 13/06 :0914958.4 :27/08/2009 :U.K. :PCT/GB2010/050827 :20/05/2010 :WO/2011/023971 :NA :NA	(71)Name of Applicant:  1)DHINJANÂ Budha Singh Address of Applicant: Park Farm Banbury Road Warwick Warwickshire CV34 6ST Great Britain. (72)Name of Inventor: 1)DHINJAN Budha Singh
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A wall bead (10) comprising a central longitudinally extending portion (13), a first elongate flange (11), and second elongate flange (12) which extend longitudinally of the bead, and which separately comprise a front and rear surface. The wall bead (10) further comprises a plurality of teeth (16) disposed upon the first and second flange at longitudinal positions thereon, wherein the teeth are directed away from the respective flange, substantially forwardly of the respective flange, along a common direction that is along the wall bead.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.885/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :30/07/2015 (43) Publication Date : 05/02/2016

## (54) Title of the invention: RETAINER FOR A ROLLING BEARING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F16C19/00 :201410374504.X :31/07/2014 :China :NA :NA	Address of Applicant :FREIBURGSTRASSE 33, CH-3280 MURTEN SWITZERLAND (72)Name of Inventor: 1)LU MING CEN 2)LAU JAMES CHING SIK
<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>		2)LAU JAMES CHING SIK 3)YANG XI PING 4)LAW CHI KEUNG

### (57) Abstract:

A fastening device for a rolling bearing includes a bearing mounting portion disposed at an end of a motor housing, a rolling bearing received in the mounting portion, and a retainer ring disposed between an inner peripheral surface of the mounting portion and a peripheral surface of an outer ring of the rolling bearing. The rolling bearing is fastened to the motor housing by the retainer ring. The retainer ring is resiliently deformable in the radial direction of the rolling bearing.

No. of Pages: 13 No. of Claims: 11

## AMENDMENT UNDER SEC.57, KOLKATA

**(1)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address for service in respect of Patent No. 223787 (1464/KOLNP/2005) has been amended as follows:

L. S. DAVAR & CO., KOLKATA-700 017

to

Ms. Samita Kapoor,
Abu-Ghazaleh Intellectual Property
TMP Agents India Pvt. Ltd.,
3<sup>rd</sup> Floor, HL Arcade,
Above Axis Bank,
Plot No. 14, Sec. V (MLU),
Dwarka, New Delhi – 110075

**(2)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address for service in respect of Patent No. 247919 (480/ KOLNP /2006) has been amended as follows:

S. Mukherjee C/o D.P. Ahuja & Co., 53 Syed Amir Ali Avenue, Calcutta 700 019, West Bengal, India to Singh & Associates, N-30 Malviya Nagar, New Delhi - 110017

**(3)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address for service in respect of Patent No. 235604 (114/KOLNP/2006) has been amended as follows:

D.P. Ahuja & Co., 53 Syed Amir Ali Avenue, Calcutta 700 019, West Bengal, India

to

Singh & Associates, N-30 Malviya Nagar, New Delhi - 110017 In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address for service in respect of Patent No. 249812 (1908/KOLNP/2006) has been amended as follows:

KSHITIJ SAXENA

C/O AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO., ANAND LOK 227, A.J.C BOSE ROAD LOWER CIRCULAR ROAD KOLKATA 700020

to

AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO.

Advocates & Solicitors, Amarchand Towers, 216, Okhla Industrial Estate, Phase III, New Delhi – 110020, India

**(5)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the name of the Patentee in respect of Patent No. 226772 (473/KOLNP/2003) has been amended as follows:

 $DORMA\ GMBH+CO.\ KG$ 

to

Dorma Deutschiand GmbH

**(6)** 

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the name of the Patentee in respect of Patent No. 238586 (1916/KOLNP/2004) has been amended as follows:

THOMSON GLOBAL RESOURCES, Landis+Gyr-Str.3, Zug, 6300 Switzerland

to

THOMSON REUTERS GLOBAL RESOURCES,

Neuhofstrasse 1, 6340 Baar, Switzerland

# 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.	APPLICANT	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
1.	262723	Gennova Biopharmaceuticals Ltd.	A novel process for the preparation of biologically active product	08/12/2014	Mumbai

Seri al 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)	Appropri ate Office
1	270997	6138/DELNP/2006	13/10/2005	23/03/2004	"BATTERY PASTE ADDITIVE AND METHOD FOR PRODUCING B ATTERY PLATES"	HAMMOND GROUP, INC	17/08/2007	DELHI
2	270998	10439/DELNP/2008	20/07/2006	21/06/2006	"TOOTHBRUSH"	COLGATE- PALMOLIVE COMPANY	27/03/2009	DELHI
3	271002	8026/DELNP/2006	13/06/2005	09/07/2004	"A DEVICE FOR METERING A BASE LIQUID AND MIXING THIS BASE LIQUID WITH A DILUENT"	SMIXIN SA	27/04/2007	DELHI
4	271005	658/DELNP/2008	11/07/2006	21/07/2005	PYRIDAZINONE DERIVATIVES AS THYROID HORMONE RECEPTOR AGONISTS	F.HOFFMANN-LA ROCHE AG	11/07/2008	DELHI
5	271006	8740/DELNP/2007	08/06/2005	08/06/2005	POLYINOSINIC ACID- POLYCYTIDYLIC ACID- BASED ADJUVANT	YISHENG BIOPHARMA (SINGAPORE) PTE LTD.	27/06/2008	DELHI
6	271008	205/DEL/2008	25/01/2008 11:41:04		AN IMPROVED PROCESS FOR MAKING CHAMOIS LEATHERS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	23/04/2010	DELHI
7	271011	8247/DELNP/2007	11/04/2006	13/04/2005	"5-METHYL-1- (SUBSTITUTED PHENYL)- 2-(1H)-PYRIDONE IN THE MANUFACTURE OF MEDICAMENTS FOR TREATING FIBROSIS IN ORGAN OR TISSUES"	XIANGYA HOSPITAL OF CENTRAL SOUTH UNIVERSITY	23/11/2007	DELHI
8	271014	966/DEL/2008	15/04/2008 16:18:26	16/04/2007	"A DUAL POLARIZED ANTENNA APPARATUS FOR RADIO DEVICE AND METHOD"	RESEARCH IN MOTION LIMITED.,	07/11/2008	DELHI
9	271017	3402/DELNP/2007	25/10/2005	19/11/2004	"Aqueous Dispersion Comprising One or More Ethylene-Acrylic Acid Polymers"	NALCO COMPANY	31/08/2007	DELHI
10	271020	887/DEL/2004	17/05/2004	21/05/2003	"TRIARYLSILYL (METH) ACRYLOYL- CONTAINING POLYMERS FOR MARINE COATING COMPOSITIONS"	ATOFINA CHEMICALS, INC.	16/06/2006	DELHI

11	271022	601/DEL/2008	11/03/2008 12:59:36		AN IMPROVED PROCESS FOR THE ELECTROCHEMICAL PREPARATION OF BENZALDEHYDE FROM BENZYL ALCOHOL	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	16/04/2010	DELHI
12	271023	181/DEL/2009	30/01/2009 12:54:05		"A PROCESS FOR THE PREPARATION OF A FLUX TO REDUCE DROSS AND ASH GENERATION DURING HOT DIP GALVANIZING OF STEEL COMPONENTS AND INCREASE ZINC UTILIZATION FACTOR"	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	13/08/2010	DELHI
13	271024	365/DEL/2004	05/03/2004		"A PROCESS FOR THE PREPARATION OF LIQUID LUBRICANTS FROM NON-EDIBLE VEGETABLE OILS"	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH,CENTER FOR HIGH TECHNOLOGY	03/04/2009	DELHI
14	271025	2135/DEL/2008	10/09/2008		A NOVEL WATER SOLUBLE SULFONATED MELAMINE FORMALDEHYDE IONIC CONDENSATE AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	16/04/2010	DELHI
15	271026	2513/DEL/2008	06/11/2008		IMPROVED PROCESS FOR THE SYNTHESIS OF PARA-NITROBENZYL BROMIDE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	01/01/2010	DELHI
16	271027	2214/DEL/2005	18/08/2005	02/11/2004	"FLOW FIELD DESIGN FOR HIGH FUEL UTILIZATION FUEL CELLS"	GENERAL ELECTRIC COMPANY	31/07/2009	DELHI
17	271028	206/DEL/2008	25/01/2008 11:41:04		A PROCESS FOR THE RECOVERY OF METAL VALUES FROM WASTE PRINTED CIRCUIT BOARDS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	23/04/2010	DELHI
18	271029	2330/DEL/2007	07/11/2007 14:02:21		"A PROCESS FOR THE PREPARATION OF 1- BROMOOCTADECANE (STEARYL BROMIDE)"	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	19/06/2009	DELHI
19	271031	5632/DELNP/2008	20/02/2007	22/02/2006	"PROCESS FOR THE PRODUCTION OF DIALKYL CARBONATE AND ALKANEDIOL"	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	24/10/2008	DELHI
20	271032	601/DEL/2009	27/03/2009 12:14:51		A NOVEL YELLOW INORGANIC PIGMENT FROM SAMARIUM AND MOLYBDENUM COMPOUNDS AND A PROCESS FOR PREPARING THE SAME	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	15/10/2010	DELHI

21	271033	3238/DELNP/2004	09/05/2003	10/05/2002	"RECEIVER AND TRANSMITTER OF PROVIDING MEDIA CONTENT"	THOMSON LICENSING S.A	13/11/2009	DELHI
22	271035	2825/DEL/2008	15/12/2008 15:40:06		"A PROCESS FOR THE REMOVAL OF SULFONES FROM OXIDISED HYDROCARBON FUEL"	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	25/06/2010	DELHI
23	271036	827/DELNP/2004	18/09/2002	19/09/2001	"AN INHALER"	ADVENT PHARMACEUTICALS PTY. LTD.	04/08/2006	DELHI
24	271038	1831/DEL/2007	29/08/2007 14:43:24		AN ALTERNATIVE PROTON CONDUCTING POLYMER ELECTROLYTE MEMBRANE USEFUL IN POLYMER ELECTROLYTE MEMBRENE FUEL CELLS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	03/04/2009	DELHI
25	271039	1241/DEL/2008	19/05/2008		A BIOACTIVE KERATIN- SILICA MATRIX AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	19/03/2010	DELHI
26	271040	350/DEL/2009	25/02/2009 11:36:23		"SYNTHESIS AND EVALUATION OF PHYTOSTERYL FERULATE FOR HYPOCHOLESTEREMIC ACTIVITY"	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	03/09/2010	DELHI
27	271041	8113/DELNP/2009	06/07/2007	06/07/2007	"PROCESS FOR XYLENE PRODUCTION"	UOP LLC	09/07/2010	DELHI
28	271044	335/DELNP/2003	14/09/2001	15/09/2000	" A METHOD FOR CONTROLLING DATA TRANSFER USING A SHORT DATA BURST MECHANISM BETWEEN A MOBILE STATION AND A BASE STATION"	APPLE INC.	27/02/2009	DELHI
29	271045	1586/DELNP/2008	27/04/2007	28/04/2006	"A SYSTEM FOR REMOVING HEAT FROM SUBCUTANEOUS LIPID RICH CELLS"	ZELTIQ AESTHETICS, INC.	08/08/2008	DELHI
30	271047	8043/DELNP/2008	05/04/2007	07/04/2006	ANTIBODIES THAT BIND HUMAN PROTEIN TYROSINE PHOSPHATASE BETA (HPTPBETA) AND USES THEREOF	AERPIO THERAPEUTICS INC.	31/10/2008	DELHI
31	271048	962/DELNP/2009	06/09/2007	08/09/2006	"A METHOD FOR MAKING A CUSTOM MADE"	COLOPLAST A/S	20/08/2010	DELHI
32	271050	1239/DELNP/2010	01/08/2008	30/08/2007	"PREPARATION OF 2-(1,3- DIMETHYLBUTYL) ANILINE AND OTHER BRANCHED ALKYL- SUBSTITUTED- ANILINES"	ALBEMARLE CORPORATION	06/08/2010	DELHI

33	271052	1321/DELNP/2010	28/07/2008	31/07/2007	MIXTURES OF MOLECULAR SIEVES COMPRISING MEAPO, THEIR USE IN CONVERSION OF ORGANICS TO OLEFINS	TOTAL PETROCHEMICALS RESEARCH FELUY	06/08/2010	DELHI
34	271054	2774/DEL/2006	22/12/2006 12:42:50		"AFFINITY BIOSENSOR FOR DOPAMINE"	DEPARTMENT OF BIOTECHNOLOGY(DB T),J.N.V. UNIVERSITY	05/09/2008	DELHI
35	271056	1209/DEL/2008	14/05/2008 17:32:50	15/05/2007	"LIQUID DISPENSING APPARATUS"	HITACHI HIGH- TECHNOLOGIES CORPORATION,	02/01/2009	DELHI
36	271057	268/DEL/2006	01/02/2006		"A CONTINUOUS PROCESS FOR MANUFACTURE OF SOAP AND AN APPARATUS THEREFOR"	ITC LIMITED	25/05/2012	DELHI
37	271059	2810/DELNP/2008	04/12/2006	06/12/2005	BENZIMIDAZOLE NON- AQUEOUS COMPOSITIONS	ZOETIS W LLC.	08/08/2008	DELHI
38	271061	1260/DELNP/2005	01/01/1900	25/03/2003	"PROCESS FOR THE SIMULTANEOUS CONVERSION OF METHANE AND ORGANIC OXYGENATE(S) TO C2-C10 HYDROCARBONS AND HYDROGEN"	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	25/05/2007	DELHI
39	271062	5374/DELNP/2009	10/03/2008	09/03/2007	"PROCESS FOR THE PREPARATION OF AMINO ACID METHYL ESTERS	DSM IP ASSETS B.V.	23/04/2010	DELHI
40	271063	377/DEL/2003	26/03/2003		"AN IMPROVED PROCESS FOR DE DYEING OF LIQUID WASTE."	INDIAN INSTITUTE OF TECHNOLOGY-DELHI (IITD)	20/06/2014	DELHI
41	271064	7033/DELNP/2008	16/02/2007	21/02/2006	PROCESSES FOR THE CONVERGENT SYNTHESIS OF CALICHEAMICIN DERIVATIVES	WYETH LLC	03/10/2008	DELHI
42	271066	10098/DELNP/2007	07/06/2006	10/06/2005	INHIBITORS OF AKT ACTIVITY	MERCK SHARP & DOHME CORP	20/06/2008	DELHI
43	271067	3156/DELNP/2011	24/11/2009	25/11/2008	"AN ORAL CARE COMPOSITION COMPRISING FUSED SILICA"	THE PROCTER & GAMBLE COMPANY	06/04/2012	DELHI
44	271068	5769/DELNP/2008	05/01/2007	06/01/2006	"VISCOELASTIC GEL FOR DERMATOLOGICAL USE"	ANTEIS SA	24/10/2008	DELHI
45	271069	1240/DEL/2005	13/05/2005		AN ALTERNATIVE FUEL	INDIAN INSTITUITE OF TECHNOLOGY, DELHI.,PETROLRUM CONSERVATION RESEARCH ASSOCIATION	24/11/2006	DELHI

46	271070	4374/DELNP/2009	21/01/2008	23/01/2007	"PROCESS FOR THE PREPARATION OF AN ALKANEDIOL AND A DIALKYL CARBONATE"	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V	27/04/2012	DELHI
47	271081	862/DELNP/2007	25/07/2005	13/08/2004	"AN EXTENDED RELEASE TABLET FORMULATION "	BOEHRINGER INGELHEIM INTERNATIONAL GMBG	03/08/2007	DELHI
48	271094	7155/DELNP/2011	17/03/2010	20/03/2009	"METHOD FOR OBTAINING COPPER POWDERS AND NANOPOWDERS FROM INDUSTRIAL ELECTROLYTES INCLUDING WASTE INDUSTRIAL ELECTROLYTES	NANO-TECH SP. Z O.O.	08/02/2013	DELHI
49	271105	1981/DELNP/2009	08/06/2007	16/11/2006	"SEATBELT RETRACTOR WITH TORSION BAR"	KEY SAFETY SYSTEMS, INC.	12/06/2009	DELHI
50	271107	5058/DELNP/2011	02/09/2005	08/09/2004	"POLYMER BLEND AND COMPOSITIONS AND METHODS FOR USING THE SAME"	PRC-DESOTO INTERNATIONAL, INC	11/05/2012	DELHI
51	271112	1865/DELNP/2007	02/09/2005	03/09/2004	"MULTILAYERED PELLET AND MOLDED RESIN"	KURARAY CO.,LTD.	17/08/2007	DELHI
52	271121	4487/DELNP/2010	11/11/2008	21/12/2007	"WASTEWATER TREATMENT SYSTEM AND METHOD FOR THE TREATMENT OF WASTEWATER"	VA TECH WABAG GMBH	26/11/2010	DELHI
53	271125	5304/DELNP/2007	02/02/2006	09/02/2005	"A level railway crossing extending over one or more tracks"	GMUNDNER FERTIGTEIL GESELLSCHAFT M.B.H.& CO.KG.	31/08/2007	DELHI
54	271133	3403/DELNP/2010	30/06/2004	30/06/2003	"MELT SPUN FIBER OR TAPE"	LUBRIZOL ADVANCED MATERIALS, INC.	14/01/2011	DELHI
55	271134	6673/DELNP/2006	12/05/2005	12/05/2004	"LATERAL SUPPORT FOR AN OPERATING TABLE"	SURGIPOD PTY. LTD	22/06/2007	DELHI
56	271137	76/DEL/2004	16/01/2004		"SYSTEM FOR RETAINING AN ANNULAR PLATE AGAINST A RADIAL FACE OF A DISK"	SNECMA	08/08/2014	DELHI
57	271138	687/DELNP/2007	28/07/2005	06/08/2004	"SUPPORT RAIL FOR A BICYLCE SADDLE SHELL"	FRANCESCO RIONDATO	27/04/2007	DELHI
58	271139	5015/DELNP/2011	22/10/2009	01/12/2008	"OLEFIN PRODUCTION PROCESS"	MITSUI CHEMICALS, INC.,	20/04/2012	DELHI
59	271140	160/DELNP/2011	15/07/2009	28/07/2008	"PROCESS FOR PREPARING A DETERGENT COMPOSITION"	THE PROCTER & GAMBLE COMPANY	09/12/2011	DELHI

60	271142	1670/DELNP/2004	20/12/2002	21/12/2001	"PROCESS FOR PREPARING WATER- SOLUBLE PHOSPHONOOXYMETHY L DERIVATIVES OF ALCOHOL AND PHENOL"		23/03/2007	DELHI
61	271143	8482/DELNP/2009	26/05/2008	25/05/2007	"MEDICATED PATCH COMPRISING 5-METHYL- 1-PHENYL-2-(1H)- PYRIDONE"	LEAD CHEMICAL CO., LTD,SHIONOGI & CO., LTD.,	16/07/2010	DELHI
62	271145	1803/DELNP/2008	03/08/2006	03/08/2005	ZEOLITE CATALYST AND METHOD OF PREPARING AND USE OF ZEOLITE CATALYST	SAUDI BASIC INDUSTRIES CORPORATION	20/03/2009	DELHI
63	271148	7555/DELNP/2011	30/03/2010	01/04/2009	"METHOD FOR PREPARING A SUPERPLASTICIZER"	CHRYSO	08/02/2013	DELHI
64	271151	7451/DELNP/2008	08/02/2007	10/02/2006	"A LIQUID TREATMENT APPARATUS"	DANFOSS A/S	26/09/2008	DELHI
65	271153	529/DEL/2010	09/03/2010 11:47:49	10/03/2009	"A METHOD OF PREPARING A SEALING MORTAR FOR METAL PARTS OF A HIGH- VOLTAGE ELECTRICAL INSULATOR MADE OF GLASS OR OF PORCELAIN"	SEDIVER SOCIETE EUROPEENNE D'ISOLATEURS EN VERRE ET COMPOSITE	17/09/2010	DELHI

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	271010	1199/MUM/2010	12/04/2010 16:57:42		A PROCESS FOR PREPARATION OF A STABLE TASTE MASKED DRY SYRUP COMPOSITION OF CIPROFLOXACIN	S.ZHAVERI PHARMAKEM PVT.LTD	11/06/2010	MUMBAI
2	271030	141/MUMNP/200 8	28/07/2006	01/08/2005	LOCAL AREA CELLULAR BASESTATION	UBIQUISYS LIMITED	15/02/2008	MUMBAI
3	271043	1244/MUM/2008	12/06/2008 11:38:54		PACKING BOX WITH A KNOCKOUT MECHANISM USING A RIGID REFRACTORY AGGREGATE AS PACKING MATERIAL	PARANJAPE AUTOCAST P. LTD.	31/10/2008	MUMBAI
4	271065	995/MUMNP/2010	19/11/2008	20/11/2007	DEVICE AND METHOD FOR DETECTING SMALL QUANTITIES OF LIGHT, COMPRISING AN ELECTRONIC IMAGECONVERTER EMBODIED IN SEMICONDUCTOR TECHNOLOGY	DATASCAN GROUP B.V.	17/09/2010	MUMBAI
5	271078	284/MUM/2010	03/02/2010 16:18:54		AN IMPROVED FORMULATION COMPRISING PENDIMETHALIN	UPL LIMITED,	10/02/2012	MUMBAI
6	271079	1275/MUMNP/20 08	21/11/2006	21/11/2005	IMPROVEMENTS TO DOPPLER RADAR SYSTEMS	PLEXTEK LIMITED	15/05/2009	MUMBAI
7	271084	2822/MUMNP/20 11	15/06/2010	15/06/2009	PROCESS FOR PREPARING SURFACE - REACTED CALCIUM CARBONATE AND ITS USE	OMYA INTERNATIONAL AG	18/05/2012	MUMBAI
8	271085	1233/MUM/2010	13/04/2010 17:04:14		A RECOMBINANT PROCESS FOR PREPARATION OF (R)- PHENYLACETYLCARBINOL( (R)-PAC)	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY,EMBIO LIMITED	10/08/2012	MUMBAI
9	271087	1923/MUMNP/20 09	06/05/2008	07/05/2007	"IN VITRO METHOD FOR DETERMINING AMINO- TERMINAL PROANP IN PATIENTS HAVING A CARDIAC DISEASE OR BEING SUSPECTED OF DEVELOPING OR HAVING A CARDIAC DISEASE"	B.R.A.H.M.S AG	28/05/2010	MUMBAI

10	271089	402/MUMNP/201 0	06/08/2008	19/09/2007	BEVERAGE PRECURSOR AND PROCESS FOR THE MANUFACTURE THEREOF	HINDUSTAN UNILEVER LIMITED	30/07/2010	MUMBAI
11	271090	1093/MUM/2008	23/05/2008		METHOD AND SYSTEM FOR MEASURING AND ANALYZING THE PRODUCTION DATA DIRECTLY FROM MACHINE	GUPTA NITIN ,KOTWAL RUPESH VASANT	01/08/2008	MUMBAI
12	271091	2261/MUM/2008	20/10/2008		AN IMPROVED PROCESS FOR PEGYLATION OF PROTEINS	USV PRIVATE LIMITED	06/08/2010	MUMBAI
13	271092	2366/MUM/2008	07/11/2008 11:45:40		AN IMPROVED PROCESS FOR SYNTHESIS OF CYCLIC OCTAPEPTIDE	USV PRIVATE LIMITED	14/05/2010	MUMBAI
14	271098	204/MUMNP/200 9	13/08/2007	14/08/2006	"VIBRATION POWER GENERATION†•	ROSEMOUNTÂ INC.	22/05/2009	MUMBAI
15	271104	2063/MUMNP/200 8	18/04/2007	18/04/2006	OFFLOADED PROCESSING FOR WIRELESS APPLICATIONS	QUALCOMM INCORPORATED	21/11/2008	MUMBAI
16	271106	445/MUM/2006	27/03/2006		DOUBLE BREAK CONTACT ARRANGEMENT FOR MINIATURE CIRCUIT BREAKERS	LARSEN & TOUBRO LIMITED	14/12/2007	MUMBAI
17	271110	1058/MUM/2005	01/09/2005		"A PROCESS FOR MANUFACTURE OF POLYCOSANOL FROM SUGAR CANE PRESS MUD"	GODAVARI BIOREFINERIES LTD	10/08/2007	MUMBAI
18	271114	2072/MUM/2006	18/12/2006 16:33:12		ARC CHUTE ENHANCING THE BREAKING CAPACITY OF AIR CIRCUIT BREAKER	LARSEN & TOUBRO LIMITED	19/09/2008	MUMBAI
19	271132	552/MUM/2010	03/03/2010 14:46:00		A PROCESS FOR THE SYNTHESIS OF FIPRONIL	GHARDA KEKI HORMUSJI	13/07/2012	MUMBAI
20	271135	904/MUMNP/200 9	07/11/2007	16/11/2006	A METHOD FOR MANAGING NETWORK ELEMENTS AND SYSTEM THEREOF†• .	OPTIMUM COMMUNICATIONS SERVICESÂ INC.	22/05/2009	MUMBAI
21	271136	2089/MUM/2006	20/12/2006 16:15:55		CURRENT LIMITING CONTACT SYSTEM	LARSEN & TOUBRO LIMITED	19/09/2008	MUMBAI
22	271144	1431/MUMNP/20 09	29/02/2008	02/03/2007	THREE PHASE AND POLARITY ENCODED SERIAL INTERFACE	QUALCOMM INCORPORATED	09/04/2010	MUMBAI
23	271147	1078/MUM/2007	06/06/2007		A MOBILE BASED ADVILSORY SYSTEM	TATA CONSULTANCY SERVICES LIMITED	19/06/2009	MUMBAI
24	271154	1379/MUM/2009	05/06/2009		A MEDICAL MAGNET THERAPY DEVICE WITH THE SWINGING MOVEMENTS FROM HEAD TO FEET DIRECTION	MADHUKAR BANSILAL PARDESHI	26/02/2010	MUMBAI

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1	271021	2400/CHENP/2008	16/10/2006	14/10/2005	PROCESS FOR THE PREPARATION OF DIORGANOMAGNESIUM -CONTAINING SYNTHESIS AGENTS	CHEMETALL GmbH	06/03/2009	CHENNAI
2	271046	617/CHENP/2008	28/06/2006	06/07/2005	A MIXTURE OF REACTIVE DYES	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GmbH	28/11/2008	CHENNAI
3	271053	275/CHENP/2009	27/07/2007	10/08/2006	"NANO-STRUCTURE SUPPORTED SOLID REGENERATIVE POLYAMINE AND POLYAMINE POLYOL ABSORBENTS FOR THE SEPARATION OF CARBON DIOXIDE FROM GAS MIXTURES INCLUDING THE AIR―	UNIVERSITY OF SOUTHERN CALIFORNIA	05/06/2009	CHENNAI
4	271055	5765/CHENP/2007	07/06/2006	15/06/2005	LAUNDERING PROCESS FOR WHITENING SYNTHETIC TEXTILES	BASF SE	27/06/2008	CHENNAI
5	271058	2667/CHENP/2007	15/12/2005	21/12/2004	"TETRALINE AND INDANE COMPOUNDS"	F. HOFFMANN-LA ROCHE AG	07/09/2007	CHENNAI
6	271074	2820/CHE/2007	30/11/2007		GASEOUS FUEL SUPPLY SYSTEM FOR TWO- WHEELER	TVS MOTOR COMPANY LIMITED	16/10/2009	CHENNAI
7	271076	3858/CHENP/2008	13/12/2006	23/12/2005	METHOD FOR PRODUCTION OF OPTICALLY ACTIVE (1S)-3-CHLORO-1-(2- THIENYL)-PROPAN-1-OL	BASF SE	13/03/2009	CHENNAI
8	271077	1216/CHE/2007	12/06/2007 15:49:24	15/06/2006	ESTER COMPOUND AND ITS USE IN PEST CONTROL	SUMITOMO CHEMICAL COMPANY LIMITED	05/12/2008	CHENNAI
9	271082	496/CHENP/2006	08/07/2004	08/07/2003	NESTED VOLTAGE ISLAND ARCHITECTURE	M/S. INTERNATIONAL BUSINESS MACHINES CORPORATION	06/07/2007	CHENNAI
10	271086	1930/CHENP/2008	20/09/2006	23/09/2005	A METHOD OF AND A SYSTEM FOR ADAPTING A GEOMETRIC MODEL USING MULTIPLE PARTIAL TRANSFORMATIONS	KONINKLIJKE PHILIPS ELECTRONICS N.V.	06/02/2009	CHENNAI

11	271088	950/CHE/2007	03/05/2007 18:50:14	02/05/2006	EXTRUDED SOLID CATALYST BODY AND PROCESS FOR MANUFACTURE OF SAID BODY	ARGILLON GmbH	28/11/2008	CHENNAI
12	271095	4865/CHENP/2009	21/02/2008	23/02/2007	"MICROCELLULAR POLYAMIDE ARTICLES"	RHODIA OPERATIONS	23/10/2009	CHENNAI
13	271097	6258/CHENP/2009	24/04/2007	24/04/2007	"A PROCESS FOR PRODUCING AN N- METHYLIDENE- SUBSTITUTED METHYLAMINE OLIGOMER"	NIPPON SODA CO.,LTD	18/06/2010	CHENNAI
14	271102	191/CHENP/2009	26/07/2007	26/07/2006	COMPOSITION FOR ALKYLATION, AND METHOD FOR DETOXIFICATION OF TOXIC COMPOUND USING THE COMPOSITION	NIPPON SHEET GLASS COMPANY LTD.	05/06/2009	CHENNAI
15	271108	2531/CHENP/2007	16/12/2005	17/12/2004	AMINOPYRIMIDINE COMPOUNDS AND METHODS OF USE	AMGEN INC.	07/09/2007	CHENNAI
16	271109	399/CHENP/2009	27/07/2007	28/07/2006	AN APPARATUS FOR TRANSMITTING DATA AND SIGNALING IN A WIRELESS COMMUNICATION SYSTEM AND A METHOD THEREOF	QUALCOMM INCORPORATED	05/06/2009	CHENNAI
17	271111	5149/CHENP/2007	20/03/2006	17/05/2005	DYNAMIC CUSTOMER SATISFACTION ROUTING BASED ON KEY PERFORMANCE INDICATORS	ORACLE SYSTEMS CORPORATION	27/06/2008	CHENNAI
18	271113	6841/CHENP/2009	22/05/2007	22/05/2007	AUTOMOTIVE ALTERNATOR	MITSUBISHI ELECTRIC CORPORATION	05/03/2010	CHENNAI
19	271115	5710/CHENP/2009	05/05/2008	04/05/2007	A METHOD FOR ASSIGNING UPLINK ACKNOWLEDGEMENT (ACK) RESOURCES FOR A USER EQUIPMENT (UE) IN A WIRELESS COMMUNICATION SYSTEM	QUALCOMM INCORPORATED	08/01/2010	CHENNAI
20	271119	5877/CHENP/2008	19/04/2007	02/05/2006	CLAD SHEET PRODUCT	ALERIS ALUMINUM DUFFEL BVBA	27/03/2009	CHENNAI
21	271120	1039/CHE/2009	04/05/2009		A METHOD TO DRIVE LCD	RAMAN RESEARCH INSTITUTE	07/09/2012	CHENNAI
22	271124	4820/CHENP/2009	10/01/2008	19/01/2007	"STRUCTURAL MEMBER HAVING A PLURALITY OF CONDUCTIVE REGIONS"	CANON KABUSHIKI KAISHA	09/10/2009	CHENNAI

23	271126	365/CHENP/2009	28/06/2007	29/06/2006	OVERHEAD GUARD FOR MATERIALS HANDLING VEHICLE	Crown Equipment Corporation	05/06/2009	CHENNAI
24	271127	4237/CHENP/2007	13/04/2006	26/04/2005	FLUID EJECTION ASSEMBLY	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	21/12/2007	CHENNAI
25	271128	549/CHE/2007	16/03/2007 16:45:44	17/03/2006	A HINGE DEVICE FOR THE DOOR OF A SWITCH BOARD ENCLOSURE	Schneider Electric Industries SAS	28/11/2008	CHENNAI
26	271129	2463/CHENP/2008	20/11/2006	18/11/2005	SAFETY DEVICE, DIVING EQUIPMENT AND SAFETY METHOD FOR SCUBA DIVING	Consensum AS	06/03/2009	CHENNAI
27	271130	4440/CHENP/2008	26/02/2007	28/02/2006	"ABSORBENT ARTICLE FEATURING A LAMINATED MATERIAL WITH A LOW POISSON'S RATIO"	KIMBERLY-CLARK WORLDWIDE, INC.	13/03/2009	CHENNAI
28	271131	913/CHENP/2008	03/08/2006	26/08/2005	HYDRAULIC TOOL WORKING HEAD	HUBBELL INCORPORATED	28/11/2008	CHENNAI
29	271141	2888/CHE/2008	21/11/2008 14:26:21		A PILLION FOOTREST ASSEMBLY FOR A MOTOR VEHICLE	TVS MOTOR COMPANY LIMITED	25/06/2010	CHENNAI
30	271146	5580/CHENP/2007	04/05/2006	09/05/2005	IMPROVED SWAGING TOOL	DESIGNED METAL CONNECTIONS	28/03/2008	CHENNAI
31	271149	5827/CHENP/2008	10/05/2007	12/05/2006	DYNAMIC LNA SWITCH POINTS BASED ON CHANNEL CONDITIONS	QUALCOMM INCORPORATED,	27/03/2009	CHENNAI
32	271152	3675/CHENP/2008	08/01/2007	18/01/2006	2-[[1-[[2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)AMINO]CARBONYL]-2-OXOPROPYL]AZO]-BENZOIC ACID AND A PROCESS FOR ITS PREPARATION,	BASF SE	13/03/2009	CHENNAI

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1	271009	193/KOLNP/2004	05/09/2002	05/09/2001	METHOD FOR IMPROVING THE EFFICIENCY OF A DIMERIZATION REACTOR	FORTUM OYJ	15/05/2009	KOLKATA
2	271012	4025/KOLNP/2009	03/06/2008	04/06/2007	SYSTEM AND METHOD FOR DETERMINING STATOR WINDING RESISTANCE IN AN AC MOTOR	EATON CORPORATION	05/03/2010	KOLKATA
3	271013	4366/KOLNP/2008	19/04/2007	01/05/2006	TRANSMISSION DEVICE, RECEPTION DEVICE, TRANSMISSION METHOD, AND RECEPTION METHOD	NTT DOCOMO, INC.	06/03/2009	KOLKATA
4	271015	3691/KOLNP/2010	22/01/2009	04/04/2008	STRUCTURED CHROME SOLID PARTICLE LAYER AND METHOD FOR THE PRODUCTION THEREOF	FEDERAL-MOGUL BURSCHEID GMBH	03/12/2010	KOLKATA
5	271016	131/KOL/2005	25/02/2005	25/02/2004	INTEGRATED TYPE AIR CONDITIONER	HITACHI APPLIANCES, INC.	02/02/2007	KOLKATA
6	271018	1545/KOL/2008	08/09/2008 16:14:07	14/09/2007	SLIDING ELEMENT AND PROCESS FOR ITS PRODUCTION	ZOLLERN BHW GLEITLAGER GMBH & CO. KG.	01/05/2009	KOLKATA
7	271019	4651/KOLNP/2008	31/03/2007	23/05/2006	PROCESS AND APPARATUS FOR SEPARATING OUT AND REMOVING WATER PRESENT IN LIQUID FUELS, ESPECIALLY WATER FROM DIESEL OIL	HYDAC FILTERTECHNIK GMBH	13/03/2009	KOLKATA
8	271034	3774/KOLNP/2010	10/04/2009	12/03/2008	ADHESIVE COMPOSITION	ASAHI KASEI CHEMICALS CORPORATION,JAPAN ELASTOMER CO., LTD.	24/12/2010	KOLKATA
9	271037	474/KOL/2007	26/03/2007 15:27:30	30/03/2006	PROTECTIVE NEEDLE KNIFE	ETHICON ENDO- SURGERY, INC	26/10/2007	KOLKATA
10	271042	1128/KOLNP/2010	11/09/2008	11/10/2007	INTELLIGENT MESSAGING SERVICE	MOTOROLA MOBILITY, INC.	25/06/2010	KOLKATA

11	271049	464/KOL/2008	06/03/2008	30/05/2007	AN EXHAUST SYSTEM COMPRISING OF A HEATING ELEMENT WITH MULTIPLE ZONES	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA
12	271051	3209/KOLNP/2009	02/04/2008	03/04/2007	1,4-HYDROGENATION OF DIENES WITH RU COMPLEXES	FIRMENICH SA	02/07/2010	KOLKATA
13	271060	163/KOL/2007	05/02/2007 15:45:48	17/02/2006	LESION ASSESSMENT BY PACING	BIOSENSE WEBSTER, INC	21/09/2007	KOLKATA
14	271071	1326/KOLNP/2008	25/10/2006	31/10/2005	METHOD FOR PROCESSING CONTROL INFORMATION IN A WIRELESS MOBILE COMMUNICATION SYSTEM	LG ELECTRONICS INC.	26/12/2008	KOLKATA
15	271072	527/KOL/2007	30/03/2007	31/03/2006	ENDOSCOPIC INSTRUMENT WITH SECONDARY VACUUM SOURCE	ETHICON ENDO- SURGERY, INC.	26/10/2007	KOLKATA
16	271073	2675/KOLNP/2007	24/01/2006	31/01/2005	METHOD AND MACHINE FOR MANUFACTURING ELECTRICAL CIRCUITS	SPAL AUTOMOTIVE S.R.L.	31/08/2007	KOLKATA
17	271075	1638/KOLNP/2008	27/09/2005	27/09/2005	AN OSCILLATOR CIRCUIT	TELEFONAKTIEBOLAGE T LM ERICSSON (PUBL)	26/12/2008	KOLKATA
18	271080	2573/KOLNP/2008	20/12/2006	22/12/2005	AN IMMUNOGENIC COMPOSITION COMPRISING S. PNEUMONIAE CAPSULAR SACCHARIDE CONJUGATES FROM SEROTYPES 19A AND 19F	GLAXOSMITHKLINE BIOLOGICALS S. A.	30/01/2009	KOLKATA
19	271083	2289/KOLNP/2009	17/12/2007	18/12/2006	BIAXIALLY STRETCHED POLYAMIDE RESIN FILM AND PRODUCTION METHOD THEREOF	UNITIKA LTD.	10/07/2009	KOLKATA
20	271093	1447/KOL/2008	25/08/2008	17/09/2007	A SYSTEM COMPRISING PM FILTER AND ZONED RESISTIVE HEATER AND A METHOD PROVIDING THE SAME	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	01/05/2009	KOLKATA
21	271096	935/KOLNP/2007	17/08/2005	17/08/2004	AN IN VITRO METHOD FOR SELECTING A MICROBIAL ISOLATE FOR USE AS AN ORAL KILLED VACCINE AGAINST ABNORMAL MICROBIAL COLONISATION OF A MUCOSAL SURFACE	HUNTER IMMUNOLOGY LIMITED	13/07/2007	KOLKATA

22	271099	653/KOL/2004	18/10/2004	27/10/2003	COATED CUTTING INSERT FOR ROUGH TURNING	SECO TOOLS AB.	01/09/2006	KOLKATA
23	271100	328/KOL/2008	22/02/2008	23/02/2007	CLUTCH CONTROLLER, METHOD FOR CONTROLLING CLUTCH, AND STRADDLE-TYPE VEHICLE	YAMAHA HATSUDOKI KABUSHIKI KAISHA	17/04/2009	KOLKATA
24	271101	2212/KOLNP/2008	22/04/2008	27/11/2007	LATCH ASSEMBLY FOR VEHICLE SEAT	AUSTEM CO., LTD.	05/06/2009	KOLKATA
25	271103	3730/KOLNP/2006	27/05/2005	23/05/2005	INJECTION DEVICE	CILAG GMBH INTERNATIONAL	15/06/2007	KOLKATA
26	271116	4701/KOLNP/2007	16/06/2006	17/06/2005	A CARRIER COMPRISING ONE OR MORE DI AND/OR MONO- (ELECTRON TRANSFER AGENT) PHOSPHATE DERIVATIVES OR COMPLEXES THEREOF	VITAL HEALTH SCIENCES PTY LTD	04/07/2008	KOLKATA
27	271117	3520/KOLNP/2007	16/03/2006	16/03/2005	SYSTEMS, METHODS, AND COMPOSITIONS FOR PRODUCTION OF SYNTHETIC HYDROCARBON COMPOUNDS	FUELCOR LLC	20/02/2009	KOLKATA
28	271118	1304/KOLNP/2009	12/09/2007	13/09/2006	MACROCYCLIC LACTONE COMPOUNDS AND COMPOSITIONS THEREOF	ELIXIR MEDICAL CORPORATION	29/05/2009	KOLKATA
29	271122	952/KOL/2005	18/10/2005	19/11/2004	POUR SPOUT USED IN BOTTLES CONTAINING LIQUID SUBSTANCES WITH DIFFERENT DEGREES OF VISCOSITY	ALUSUD ARGENTINA S.R.L.	13/07/2007	KOLKATA
30	271123	1469/KOL/2008	27/08/2008	29/08/2007	METHOD AND SYSTEM FOR COLLECTING CRANKSHAFT POSITION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	01/05/2009	KOLKATA
31	271150	973/KOL/2006	25/09/2006	02/11/2006	A DUAL-PUMP ASSEMBLY FOR DELIVERING FLUID TO A TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC	16/05/2008	KOLKATA
32	271155	1162/KOLNP/2008	02/01/2003	31/01/2002	A METHOD OF REMOVING MICROBIOLOGICAL CONTAMINANTS IN A FLUID	KX TECHNOLOGIES LLC	26/12/2008	KOLKATA

# **CONTINUED TO PART-3**

## **CONTINUED FROM PART- 2**

# **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

# **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	202257	14.12.2015
2.	202543	29.12.2015
3.	199652	06.01.2016
4.	199653	06.01.2016
5.	202799	08.01.2016
6.	204011	08.01.2016
7.	201702	27.01.2016
8.	202429	27.01.2016
9.	202428	27.01.2016
10.	202989	27.01.2016

## **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

DESIGN NUMBER	271326
CLASS	12-16

1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT SUITE 800, 330 TOWN CENTER DRIVE, DEARBORN, MICHIGAN 48126 UNITED STATES OF AMERICA

DATE OF REGISTRATION	11/04/2015		
TITLE	VEHICLE FRONT UPPER GRILLE		



PRIORITY NUMBER	DATE	COUNTRY
402014100961.9	14/10/2014	GERMANY

DESIGN NUMBER	274570
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	17/08/2015
TITLE	TEXTILE FABRIC



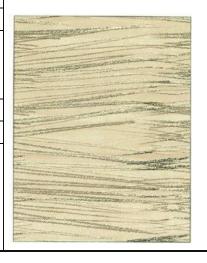
DESIGN NUMBER	275353
CLASS	07-06

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	07/09/2015		
TITLE	NAPKIN HOLDER		
PRIORITY NA			





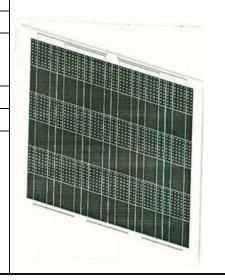


DESIGN NUMBER	271364
CLASS	13-99

### 1)GREENAPPLE PVT. LTD.

153/A KASTURI BUILDING, JAIN SOCIETY, OPP. JAIN DAIRY, SION (W), MUMBAI-400022. INDIA

DATE OF REGISTRATION	13/04/2015
TITLE	SOLAR PHOTO-VOLTAIC MODULE



### PRIORITY NA

DESIGN NUMBER	265761
CLASS	08-07

### 1)NILESHBHAI BHIKUBHAI SAVALIYA (ADULT AND INDIAN NATIONALS) SOLE PROPRIETOR OF BHOJALRAM ENTERPRISE (INDIAN PROPRIETORSHIP CONCERN)

HAVING PLACE OF BUSINESS AT -PLOT NO.105, VIRANI AGHAT, SHED NO.1, OPP: RAILWAY QUARTER, NR SHIVAM AUTO GARAGE, RAJKOT-3600 002-GUJARAT, -(INDIA)

DATE OF REGISTRATION	19/09/2014
TITLE	DOOR LATCH SET
PRIORITY NA	



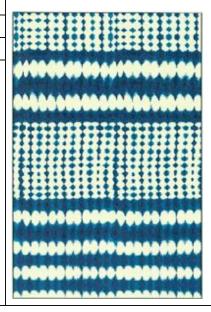
PRIORITY NA	
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DESIGN NUMBER	274583
CLASS	05-05

### 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	17/08/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	275356
CLASS	06-07

# 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	07/09/2015
TITLE	PHOTO FRAME



### PRIORITY NA

DESIGN NUMBER	271553
CLASS	02-02

# 1)M/S SABYASACHI COUTURE AN INDIAN PARTNERSHIP FIRM HAVING ITS OFFICE AT

86/C, JATIN DAS ROAD, KOLKATA-700029, WEST BENGAL, INDIA WHOSE PARTNERS ARE SABYASACHI MUKHERJEE AND SUKUMAR MUKHERJEE, BOTH INDIAN NATIONAL

DATE OF REGISTRATION	21/04/2015
TITLE	GARMENT



### PRIORITY NA

DESIGN NUMBER	264935
CLASS	31-00

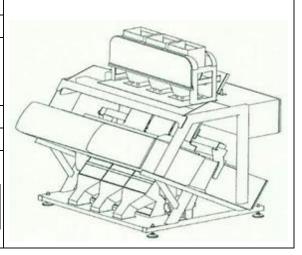
# 1)BUHLER SORTEX LTD. A COMPANY INCORPORATED UNDER THE LAWS OF THE UNITED KINGDOM HAVING ITS REGISTERED OFFICE AT

20 ATLANTIS AVENUE, LONDON, E16 2BF, UNITED KINGDOM

DATE OF REGISTRATION	21/08/2014
TITLE	SORTING MACHINE



4024440 21/02/2014 H.V.	PRIORITY NUMBER	DATE	COUNTRY
21/02/2014 U.K.	4034440	21/02/2014	U.K.



DESIGN NUMBER	27:	5361		
CLASS			-	
1)MA DESIGN IND COMPANY INCORP ITS PRINCIPAL PLA A-41, SECTOR-80 INDIA	DIA PRIVATE L PORATED IN IN ACE OF BUSIN	IMITED, A NDIA HAVING ESS AT		
DATE OF REGISTRATION	07/09	9/2015	(Mar)	
TITLE	SP	OON		
PRIORITY NA				
DESIGN NUMBER			275744	
CLASS			05-05	
MUMBAI-400066 AN	D CORPORATE ASRA NO. 659/2	OFFICE AT PLO , NEAR TIVOLI (	A NAGAR, BORIVALI (EAST), T NO.8, CHATTERPUR EXT., GARDEN, NEW DELHI-110074 18/09/2015 EXTILE FABRIC	ALAS IAALAA IAAA IAALAA IAAAA IAAAAA IAAAA IAAAA IAAAA IAAAA IAAAA IAAAA IAAAAA IAAAAAA
DESIGN NUMBER			275124	
CLASS		05-05	***************************************	
UNDER THE PROVI REGISTERED OFFI	ISION OF COM CE AT	PANIES ACT, 19	AT-394221 GUJARAT	
DATE OF REGISTRATION 01/09/2015		01/09/2015		
TITLE		Т	EXTILE FABRIC	
PRIORITY NA				

DESIGN NUMBER	275358	
CLASS 11-02		
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		

11 11, 520101 00, 111 152 11, 1101511 201303, 0.1. 11.5511	
DATE OF REGISTRATION	07/09/2015
TITLE	VASE



### PRIORITY NA

<b>CLASS</b> 05-05	

1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER 226922	
<b>CLASS</b> 12-16	
1)FORD INDIA PRIVATE LIMITED S.P. KOIL POST, CHENGALPAT-603204, TAMIL NADU, INDIA,	
DATE OF REGISTRATION 27/01/2010	
TITLE	BREAK PAD



DESIGN NUMBER CLASS		274698	
		15-05	
KOREA OF	ONGDEUNGPO -	GU, SEOUL, 150 - 721, KOREA;	F
DATE OF REGISTRATION	1	21/08/2015	
TITLE	1	DOOR FOR WASHING MACHINE	
PRIORITY PRIORITY NUMBER 30-2015-0011079	DATE 04/03/2015	COUNTRY REPUBLIC OF KOREA	
DESIGN NUMBER	DESIGN NUMBER 275121		
CLASS			
	OTS & DDINTS D	05-05	
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, ( DATE OF REGISTRATION	OF COMPANIES GIDC, PANDESA	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS  RA, SURAT-394221 GUJARAT  01/09/2015	ED
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, (	OF COMPANIES GIDC, PANDESA	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS RA, SURAT-394221 GUJARAT	ED
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, ( DATE OF REGISTRATION TITLE PRIORITY NA	OF COMPANIES GIDC, PANDESA	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS  RA, SURAT-394221 GUJARAT  01/09/2015	ED
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, ( DATE OF REGISTRATION TITLE	OF COMPANIES GIDC, PANDESA	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS  RA, SURAT-394221 GUJARAT  01/09/2015  TEXTILE FABRIC	ED S
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, ( DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS	OF COMPANIES GIDC, PANDESAIN IVATE LIMITED CIPAL PLACE O	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS  RA, SURAT-394221 GUJARAT 01/09/2015  TEXTILE FABRIC  275357 11-02  D, A COMPANY INCORPORATED I F BUSINESS AT	
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, ( DATE OF REGISTRATION TITLE  PRIORITY NA  DESIGN NUMBER CLASS  1)MA DESIGN INDIA PRINDIA HAVING ITS PRINC	OF COMPANIES GIDC, PANDESAIN  IVATE LIMITED CIPAL PLACE OF SE-II, NOIDA-2013	VT. LTD. A COMPANY REGISTER ACT, 1956 HAVING ITS  RA, SURAT-394221 GUJARAT 01/09/2015  TEXTILE FABRIC  275357 11-02  D, A COMPANY INCORPORATED I F BUSINESS AT	



DESIGN NUMBER	275739
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	274152
CLASS	23-04

## 1) CROMPTON GREAVES LIMITED,

CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY

DATE OF REGISTRATION	04/08/2015
TITLE	CEILING FAN

HEAD LAMP LEFT HAND



### PRIORITY NA

DESIGN NUMBER	226925	
CLASS	26-06	
1)FORD INDIA PRIVATE LIMITED, S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,		
DATE OF REGISTRATION	27/01/2010	

### PRIORITY NA

TITLE



DESIGN NUMBER	274718
CLASS	14-03

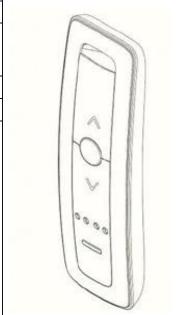
# 1)SOMFY SAS, A JOINT STOCK COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF FRANCE,

OF 50, AVENUE DU NOUVEAU MONDE, 74300 CLUSES, FRANCE

DATE OF REGISTRATION	21/08/2015	
TITLE	REMOTE CONTROL	



11.5			
	PRIORITY NUMBER	DATE	COUNTRY
	DM/085 946	20/03/2015	WIPO



DESIGN NUMBER	275328
CLASS	07-99
CLASS	07-99

# 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	07/09/2015
TITLE	TRAY
PRIORITY NA	

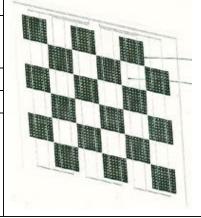


DESIGN NUMBER	271510
CLASS	13-99

### 1)GREENAPPLE PVT. LTD.

153/A KASTRURI BUILDING, JAIN SOCIETY, OPP. JAIN DAIRY, SION (W), MUMBAI-400022. INDIA

DATE OF REGISTRATION	17/04/2015
TITLE	SOLAR PHOTO-VOLTAIC MODULE



DESIGN NUMBER	275359
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	07/09/2015
TITLE	BOWL



#### PRIORITY NA

DESIGN NUMBER	275349
CLASS	26-05
1)MA DESIGN INDIA PRIVATE LIMITED, A COMPANY INCORPORATED IN	

# 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	07/09/2015
TITLE	TABLE LAMP



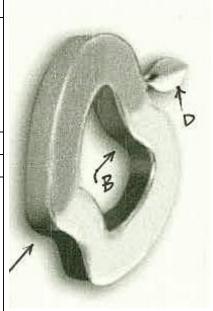
### PRIORITY NA

DESIGN NUMBER	275420
CLASS	11-01

# 1)R. T. DIAMOND TRADING CO PTE. LTD, A COMPANY INCORPORATED UNDER THE COMPANIES ACT (CAP 50) OF SINGAPORE AND HAVING REGISTERED OFFICE SITUATED AT

101 CECIL STREET #10-02 TONG ENG BUILDING, SINGAPORE 069533-WHOSE DIRECTORS ARE 1) SHAH TEJAS MAHESH AND 2) SHAH RACHNA TEJAS, BOTH INDIAN NATIONALS, RESIDING AT 9, HOLLAND HILL, # 08-03, SINGAPORE 278738

DATE OF REGISTRATION	08/09/2015
TITLE	JEWELLERY



DESIGN NUMBER	274223
CLASS	15-05

## 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY,

OF 129, SAMSUNG-RO, YEONGTONG-GU; SUWON-SI, GYEONGGI-DO 16677, REPUBLIC OF KOREA

DATE OF REGISTRATION	06/08/2015
TITLE	WASHING MACHINE



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0035841	16/07/2015	REPUBLIC OF KOREA

DESIGN NUMBER	274817
CLASS	11-02

# 1)M/S JOYO PLASTICS A PARTNERSHIP FIRM REGISTERED UNDER THE INDIAN PARTNERSHIP ACT, 1932, HAVING ITS REGISTERED OFFICE AT

104, JAY ANTARIKSH, MAKKWANA ROAD, MAROL, CTS 777, ANDHERI KURLA ROAD, ANDHERI (EAST), MUMBAI-400059, MAHARASHTRA STATE, INDIA

DATE OF REGISTRATION	24/08/2015
TITLE	FLOWER POT



### PRIORITY NA

DESIGN NUMBER	275724
CLASS	06-01

### 1)SACHIN BANDUKWALA,

B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS, BODAKDEV, AHMEDABAD 380015, GUJARAT, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	18/09/2015
TITLE	CHAIR



DESIGN NUMBER	271325
CLASS	12-16

1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT SUITE 800, 330 TOWN CENTER DIRVE, DEARBORN, MICHIGAN 48126 UNITED STATES OF AMERICA

DATE OF REGISTRATION	11/04/2015
TITLE	VEHICLE FRONT LOWER GRILLE



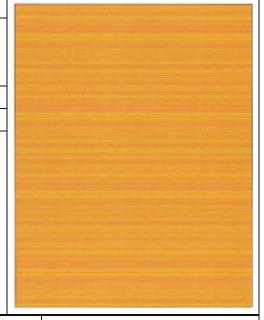
П	11101111		
	PRIORITY NUMBER	DATE	COUNTRY
	402014100961.9	14/10/2014	GERMANY

DESIGN NUMBER	274567
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	17/08/2015
TITLE	TEXTILE FABRIC



## PRIORITY NA

DESIGN NUMBER	275352
CLASS	06-07
1)MA DESIGN INDIA DDIWATE I	IMITED A COMPANY INCOPPODATED IN

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	07/09/2015	
TITLE	PHOTO FRAME	



DESIGN NUMBER		274180	
CLASS		09-03	
1)(1) MR. MAHESH PALRECHA NATIONALS AND PARTNERS OF PLACE OF BUSINESS AT E-532, 5TH FLOOR, BG TOWER GUJARAT, INDIA	F MARUTI LUBRICAN	IANSALI, ALL INDIA NTS, HAVING PRINC	CIPAL
DATE OF REGISTRATION	04/08/2015		
TITLE		NTAINER	
PRIORITY NA			
DESIGN NUMBER		275385	
CLASS		14-03	( · · · · ·
COMPANY DULY ORGANIZED A PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BU DISTRICT, SHENZHEN, GUANGDO DATE OF REGISTRATION	A <b>OF</b> VILDING, 7028 SHENN <i>A</i> DNG, PEOPLE'S REPUR	AN ROAD, FUTIAN	
TITLE	MOE	BILE PHONE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	0 0 4
201530265656.1	22/07/2015	CHINA	
DESIGN NUMBER	2758	319	
CLASS	05-0	05	AND THE PARTY
1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030			
DATE OF REGISTRATION	18/09/		
TITLE TEXTILE FABRIC		1. 人人人,	
PRIORITY NA			

DESIGN NUMBER 271323			
CLASS 12-16			
1)FORD GLOBAL TECHNOLO AND EXISTING UNDER THE L OFFICE AT SUITE 800, 330 TOWN CENTER I UNITED STATES OF AMERICA	AWS OF UNITED	STATES, HAVING ITS	
DATE OF REGISTRATION	11	/04/2015	
TITLE	VEHICLE F	OG LAMP BEZEL	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
402014100961.9	14/10/2014	GERMANY	
DESIGN NUMBER		275035	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED	J <b>NDER THE COM</b> I E <b>AT</b> P.O. KOLATHARA, D BY ITS DIRECTO	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS	UNDER THE COMI E AT P.O. KOLATHARA, D BY ITS DIRECTOL . MR. VELUTHEDA	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION	UNDER THE COMI E AT P.O. KOLATHARA, D BY ITS DIRECTOL . MR. VELUTHEDA	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37 28/08/2015	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION TITLE	UNDER THE COMI E AT P.O. KOLATHARA, D BY ITS DIRECTOL . MR. VELUTHEDA	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFICE DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION TITLE PRIORITY NA	UNDER THE COMI E AT P.O. KOLATHARA, D BY ITS DIRECTOL . MR. VELUTHEDA	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37 28/08/2015	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION	UNDER THE COMI E AT P.O. KOLATHARA, D BY ITS DIRECTOL . MR. VELUTHEDA	02-04 ED, AN INDIAN PANIES ACT, 1956 KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37 28/08/2015 OF FOOTWEAR	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFIC DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER	SOLE  PRINTS PVT. LT  OMPANIES ACT,	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37 28/08/2015 OF FOOTWEAR  274564 05-05 TD. A COMPANY REGIS 1956 HAVING ITS	
DESIGN NUMBER CLASS  1)EUPHORIC INNOVATIONS COMPANY INCORPORATED U HAVING REGISTERED OFFICE DOOR NO. VII/313 H, NH 17, KERALA, INDIA REPRESENTED ABDUL RASHEED, INDIAN, S/O (THIRTY SEVEN) YEARS DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS  1)SIDDHI VINAYAK KNOTS OUNDER THE PROVISION OF CREGISTERED OFFICE AT	SOLE  PRINTS PVT. LT  OMPANIES ACT,	02-04 ED, AN INDIAN PANIES ACT, 1956 , KOZHIKODE-673655, R MR. VELUTHEDATH ATH KUNHALI, AGED 37 28/08/2015 OF FOOTWEAR  274564 05-05 TD. A COMPANY REGIS 1956 HAVING ITS	

DESIGN NUMBER		275717	
CLASS		10-04	
1)USTER TECHNOLOGIES AG, SONNENBERGSTRASSE 10, CF			
DATE OF REGISTRATION		17/09/2015	
ITLE YARN-TESTING DEVICE			
PRIORITY			To the second
PRIORITY NUMBER	DATE	COUNTRY	
2015-00239	20/03/2015	SWITZERLAND	
DESIGN NUMBER		275351	
CLASS		07-03	
1)MA DESIGN INDIA PRIVATE INDIA HAVING ITS PRINCIPAL I A-41, SECTOR-80, PHASE-II, NO	PLACE OF BUSI	NESS AT P. INDIA	4 4 4
DATE OF REGISTRATION		07/09/2015	
TITLE		FORK	
PRIORITY NA			
DESIGN NUMBER		275775	
CLASS		05-05	THE WAR THE WAR TO SEE A TO
1)MR. SIDDHARATH BINDRA, S R/O "BINDRA" FARM, F-4, ANS NEW DELHI-110030			
D. ME OF DEGREE : TO CO.	THE VILLA, INCA	R CSKM SCHOOL, SATBARI,	
DATE OF REGISTRATION	JAL VILLA, IVLA	R CSKM SCHOOL, SATBARI,  18/09/2015	
DATE OF REGISTRATION TITLE	AL VILLA, NLA	, , , , , , , , , , , , , , , , , , ,	**************************************

DESIGN NUMBER	272898
CLASS	11-01

### 1)GANJAM NAGAPPA & SON PVT LTD

63, PALACE ROAD, VASANTH NAGAR, BANGALORE, KARNATAKA, 560052, INDIA,

DATE OF REGISTRATION	20/06/2015	
TITLE	NECKLACE	



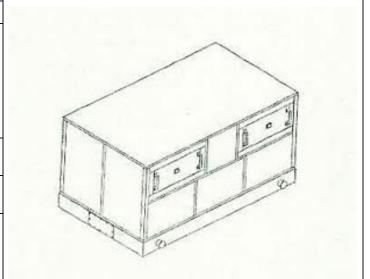
### PRIORITY NA

DESIGN NUMBER	274890	
CLASS	09-03	

# 1)BHARAT HEAVY ELECTRICALS LIMITED, WITH ONE OF ITS REGIONAL OFFICES AT

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 FORT, NEW DELHI-110049, INDIA, AN INDIAN COMPANY.

DATE OF REGISTRATION	25/08/2015
TITLE	A CONTAINER FOR TRANSPORTING PACKING CASES



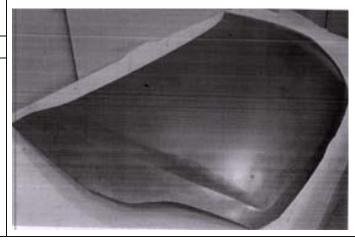
### PRIORITY NA

DESIGN NUMBER	226923
CLASS	12-16

## 1)FORD INDIA PRIVATE LIMITED,

S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,

DATE OF REGISTRATION	27/01/2010	
TITLE	HOOD	

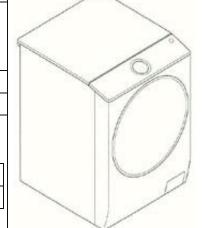


DESIGN NUMBER	274701
CLASS	15-05

# 1)LG ELECTRONICS INC., A COMPANY, INCORPORATED IN REPUBLIC OF KOREA OF

128, YEOUI-DAERO, YEONGDEUNGPO - GU, SEOUL, 150 - 721, KOREA; NATIONALITY: REPUBLIC OF KOREA

DATE OF REGISTRATION	21/08/2015	
TITLE	WASHING MACHINE	



### **PRIORITY**

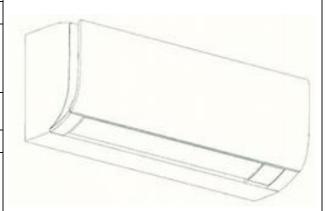
PRIORITY NUMBER	DATE	COUNTRY
30-2015-0011082	04/03/2015	REPUBLIC OF KOREA

DESIGN NUMBER	275183 23-04	
CLASS		

# 1)DAIKIN INDUSTRIES LTD., A COMPANY ORGANIZED UNDER THE LAWS OF JAPAN OF THE ADDRESS

UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN

DATE OF REGISTRATION	03/09/2015		
TITLE	AIR CONDITIONER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2015-008080	09/04/2015	JAPAN	



DESIGN NUMBER	271328	
CLASS	12-16	

# 1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT $\,$

SUITE 800, 300 TOWN CENTER DRIVE, DEARBORN, MICHIGAN 48126 UNITED STATES OF AMERICA

DATE OF REGISTRATION	11/04/2015	
TITLE	WHEEL RIM OF A VEHICLE	



## **PRIORITY**

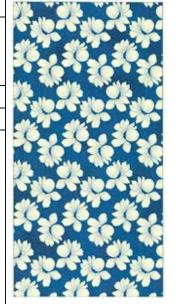
PRIORITY NUMBER	DATE	COUNTRY
402014100961.9	14/10/2014	GERMANY

DESIGN NUMBER	274576
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	17/08/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	275355
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	07/09/2015
TITLE	CHEESEBOARD



#### PRIORITY NA

DESIGN NUMBER	275736
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	274482
CLASS	12-16

## 1)TOYOTA JIDOSHA KABUSHIKI KAISHA, A JAPANESE CO.,

OF 1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571, JAPAN

DATE OF REGISTRATION	14/08/2015		
TITLE	FRONT BUMPER FOR AN AUTOMOBILE		
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
201511127		02/03/2015	AUSTRALIA

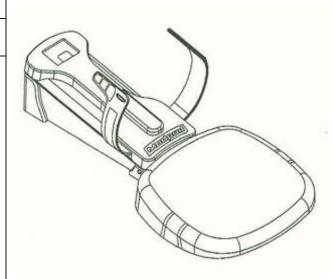


DESIGN NUMBER	275415
CLASS	24-01

# 1)HOLLYWOG, LLC, A US COMPANY OF

2830 AMNICOLA HIGHWAY, CHATTANOOGA, TN 37406, USA

DATE OF REGISTRATION	08/09/2015
TITLE	PORTABLE CERVICAL TRACTION DEVICE



### PRIORITY NA

DESIGN NUMBER	275728
CLASS	06-03

### 1)SACHIN BANDUKWALA,

B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS, BODAKDEV, AHMEDABAD 380015, GUJARAT, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	18/09/2015
TITLE	TABLE
PRIORITY NA	



DESIGN NUMBER	274173
CLASS	23-04

# 1)LUMINOUS POWER TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT. WHOES ADDRESS IS

ARO TOWER, PLOT NO.-300, 2ND FLOOR, UDYOG VIHAR, PHASE-2, GURGAON-122016, HARYANA (INDIA)

DATE OF REGISTRATION	04/08/2015
TITLE	CEILING FAN



### PRIORITY NA

DESIGN NUMBER	226928	
CLASS	25-02	
1) <b>FORD INDIA PRIVATE LIMITED,</b> S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,		
DATE OF REGISTRATION	27/01/2010	
TITLE	FRONT RIGHT HAND DOOR	



### PRIORITY NA

DESIGN NUMBER	271555
CLASS	02-02

# 1)M/S SABYASACHI COUTURE AN INDIAN PARTNERSHIP FIRM HAVING ITS OFFICE AT

86/C, JATIN DAS ROAD, KOLKATA-700029, WEST BENGAL, INDIA WHOSE PARTNERS ARE SABYASACHI MUKHERJEE AND SUKUMAR MUKHERJEE, BOTH INDIAN NATIONAL

DATE OF REGISTRATION	21/04/2015
TITLE	GARMENT



DESIGN NUMBER	274860
CLASS	12-11
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION OF	

1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN

DATE OF REGISTRATION	25/08/2015
TITLE	SIDE COVER FOR MOTORCYCLE



PRIORITY NUMBER	DATE	COUNTRY
2015-004130	27/02/2015	JAPAN



DESIGN NUMBER	274689
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	21/08/2015
TITLE	TEXTILE FABRIC



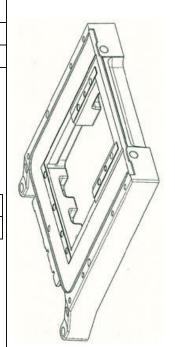
### PRIORITY NA

DESIGN NUMBER	272970
CLASS	13-03

## 1)GENERAL ELECTRIC COMPANY,

1 RIVER ROAD SCHENECTADY, NEW YORK 12345 UNITED STATES OF AMERICA

DATE OF REGISTRATION	22/06/2015
TITLE	BUSBAR



### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
29/512878	23/12/2014	U.S.A.

DESIGN NUMBER	274169
CLASS	23-04

## 1)LUMINOUS POWER TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT. WHOES ADDRESS IS

ARO TOWER, PLOT NO.-300, 2ND FLOOR, UDYOG VIHAR, PHASE-2, GURGAON-122016, HARYANA (INDIA)

DATE OF REGISTRATION	04/08/2015
TITLE	CEILING FAN



### PRIORITY NA

DESIGN NUMBER	226926
CLASS	26-06

### 1)FORD INDIA PRIVATE LIMITED,

S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,

DATE OF REGISTRATION	27/01/2010
TITLE	HEAD LAMP RIGHT HAND



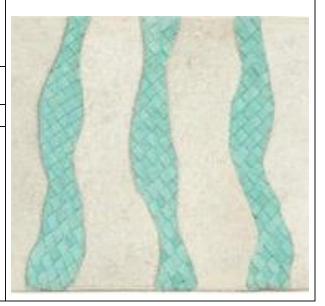
# PRIORITY NA

DESIGN NUMBER	275231
CLASS	06-13

# 1)GITANJALI KHOKHA AND SUNIL KHOKHA, C/O PANACHE (INDIA) INTERNATIONAL,

 $804,\,\mathrm{UDYOG}$ VIHAR, PHASE-V, GURGAON, HARYANA-122016, INDIA

DATE OF REGISTRATION	04/09/2015
TITLE	CUSHION COVER



DESIGN NUMBER	226929
CLASS	25-02
1)FORD INDIA PRIVATE LIMITED, S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,	

DATE OF REGISTRATION	27/01/2010
TITLE	FRONT LEFT HAND DOOR



## PRIORITY NA

DESIGN NUMBER	274174	
CLASS	23-04	
1) I LIMINOUS DOWED TECHNOLOGIES DVT 1 TD AN INDIAN		

1)LUMINOUS POWER TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT. WHOES ADDRESS IS

ARO TOWER, PLOT NO.-300, 2ND FLOOR, UDYOG VIHAR, PHASE-2, GURGAON-122016, HARYANA (INDIA)

DATE OF REGISTRATION	04/08/2015
TITLE	CEILING FAN



# PRIORITY NA

DESIGN NUMBER	275656
CLASS	06-01

1)SUMAN PANWAR, AN INDIAN NATIONAL,

ADDRESS-28, ESPACE, NIRVANA COUNTRY, SECTOR 50, GURGAON, HARYANA, INDIA

DATE OF REGISTRATION	16/09/2015
TITLE	CHAIR



DESIGN NUMBER	226930
CLASS	26-06
1)FORD INDIA PRIVATE LIMITED S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,	
DATE OF REGISTRATION	27/01/2010

FOG LAMP



### PRIORITY NA

TITLE

DESIGN NUMBER	274175
CLASS	23-04

1)LUMINOUS POWER TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT. WHOES ADDRESS IS

ARO TOWER, PLOT NO.-300, 2ND FLOOR, UDYOG VIHAR, PHASE-2, GURGAON-122016, HARYANA (INDIA)

04/08/2015
CEILING FAN



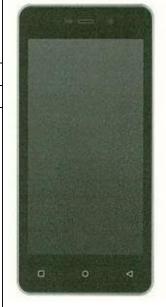
# PRIORITY NA

DESIGN NUMBER	275382
CLASS	14-03

1)GIONEE COMMUNICATION EQUIPMENT CO., LTD. SHENZHEN, A COMPANY DULY ORGANIZED AND EXISTING UNDER THE LAWS OF PEOPLE'S REPUBLIC OF CHINA OF

21/F, TIMES TECHNOLOGY BUILDING, 7028 SHENNAN ROAD, FUTIAN DISTRICT, SHENZHEN, GUANGDONG, PEOPLE'S REPUBLIC OF CHINA

DATE OF REGISTRATION	07/09/2015
TITLE	MOBILE PHONE



# **PRIORITY**

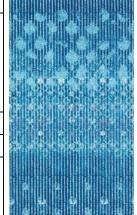
PRIORITY NUMBER	DATE	COUNTRY
201530212302.0	24/06/2015	CHINA

DESIGN NUMBER	275858
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	226924
CLASS	15-01
1)FORD INDIA PRIVATE LIMITED.	

S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,

DATE OF REGISTRATION	27/01/2010
TITLE	FUEL FILTER



# PRIORITY NA

DESIGN NUMBER	274714
CLASS	13-03

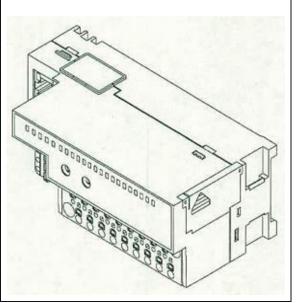
# 1)MITSUBISHI ELECTRIC CORPORATION, A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, MANUFACTURERS AND MERCHANTS, OF THE ADDRESS

7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO-100-8310, **JAPAN** 

DATE OF REGISTRATION	21/08/2015
TITLE	SIGNAL RELAY DEVICE

### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2015-005745	18/03/2015	JAPAN



DESIGN NUMBER	275852
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	274861
CLASS	12-11
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN	
DATE OF REGISTRATION	25/08/2015
TITLE	MOTORCYCLE

### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
2015-004129	27/02/2015	JAPAN

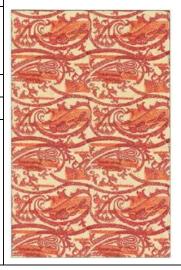


DESIGN NUMBER	274691
CLASS	05-05

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

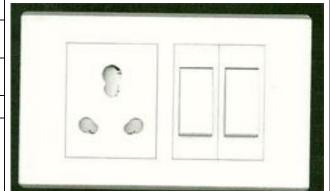
A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	275161
CLASS	13-03
1)HAVELLS INDIA LIMITED	
1, RAJ NARAIN MARG, CIVIL LINES, DELHI 110054.	

DATE OF REGISTRATION	02/09/2015	
TITLE	DOUBLE SWITCH WITH SOCKET	



### PRIORITY NA

DESIGN NUMBER	275364
CLASS	23-02
1)MA DECICN INDIA DDIVATE I IMITED A COMDANY	

### 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	07/09/2015
TITLE	TOOTHBRUSH HOLDER



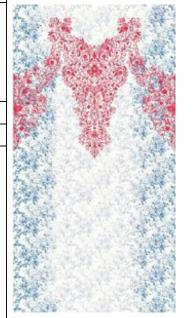
# PRIORITY NA

DESIGN NUMBER	275746
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



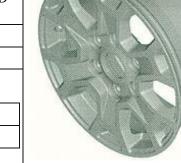
DESIGN NUMBER	271327
CLASS	12-16

1)FORD GLOBAL TECHNOLOGIES, LLC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES, HAVING ITS OFFICE AT SUITE 800, 330 TOWN CENTER DRIVE, DEARBORN, MICHIGAN 48126 UNITED STATES OF MERICA

DATE OF REGISTRATION	11/04/2015
TITLE	WHEEL RIM OF A VEHICLE

### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
402014100961.9	14/10/2014	GERMANY



DESIGN NUMBER	274573
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	17/08/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	275354
CLASS	07-03

# 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	07/09/2015
TITLE	CHEESE KNIFE



DESIGN NUMBER	275779
CLASS	05-05

1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" • FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	274821
CLASS	07-02

1)M/S JOYO PLASTICS A PARTNERSHIP FIRM REGISTERED UNDER THE INDIAN PARTNERSHIP ACT, 1932, HAVING ITS REGISTERED OFFICE AT 104, JAY ANTARIKSH, MAKKWANA ROAD, MAROL, CTS 777, ANDHERI KURLA ROAD, ANDHERI (EAST), MUMBAI-400059, MAHARASHTRA STATE, INDIA

DATE OF REGISTRATION	24/08/2015
TITLE	CONTAINER



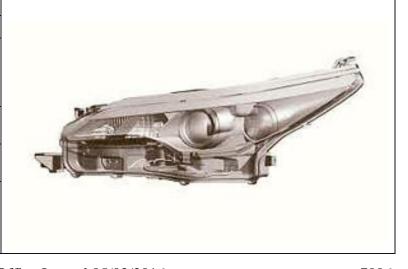
### PRIORITY NA

DESIGN NUMBER	274481
CLASS	26-06

# 1)TOYOTA JIDOSHA KABUSHIKI KAISHA, A JAPANESE CO.,

OF 1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571, JAPAN

DATE OF REGISTRATION		14/08	/2015
TITLE	FR		NATION LAMP TOMOBILE
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY
201511126		02/03/2015	AUSTRALIA



DESIGN NUMBER	275343
CLASS	11-02

# 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	07/09/2015
TITLE	TABLE CENTREPIECE



## PRIORITY NA

DESIGN NUMBER	275726	
CLASS	06-01	
1)SACHIN BANDUKWALA,		
B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS,		

B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS, BODAKDEV, AHMEDABAD 380015, GUJARAT, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	18/09/2015
TITLE	CHAIR



# PRIORITY NA

DESIGN NUMBER	275771
CLASS	05-05

1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	271547	
CLASS	05-03	
1)M/S SABYASACHI COUTURE A OFFICE AT	AN INDIAN PARTNERSHIP FIRM HAVING ITS	
	TA-700029, WEST BENGAL, INDIA WHOSE KHERJEE AND SUKUMAR MUKHERJEE, BOTH	
DATE OF REGISTRATION	21/04/2015	FRONT VICTO
TITLE	EMBROIDERY	大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大
PRIORITY NA		
DESIGN NUMBER	274586	
CLASS	05-05	Salar Salar
UNDER THE PROVISION OF COM REGISTERED OFFICE AT	RINTS PVT. LTD. A COMPANY REGISTERED PANIES ACT, 1956 HAVING ITS  ANDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION	17/08/2015	1000000
TITLE	TEXTILE FABRIC	· · · · · · · · · · · · · · · · · · ·
PRIORITY NA		
DESIGN NUMBER	275127	
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	01/09/2015	
TITLE	TEXTILE FABRIC	
PRIORITY NA		

DESIGN NUMBER	275360
CLASS	11-02

# 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	07/09/2015
TITLE	DECORATIVE ARTICLE



### PRIORITY NA

DESIGN NUMBER	274193
CLASS	07-02

# 1)J. J. PLAST., (A PARTNERSHIP FIRM REGISTERED UNDER INDIAN PARTNERSHIP ACT, 1932),

AT 1302, KENT GARDEN, NEAR M. K. SCHOOL, TPS III, 51ST ROAD, BORIVALI (WEST), MUMBAI-400092, MAHARASHTRA, INDIA. WHOSE PARTNERS ARE (1) JYOTI CHHEDA. (INDIAN NATIONAL), & (2) SACHIN CHHEDA. (INDIAN NATIONAL), ALL ARE HAVING ABOVE ADDRESS

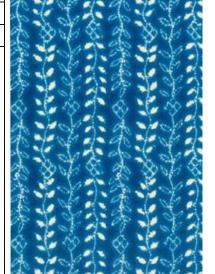
DATE OF REGISTRATION	05/08/2015
TITLE	CASSEROLE
PRIORITY NA	



DESIGN NUMBER	275767
CLASS	05-05

1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" • FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC

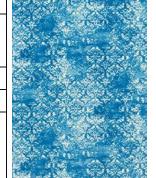


DESIGN NUMBER		275822	
CLASS		05-05	P WAS TO BE WAS TO SEE
1)MR. SIDDHARATH BINDRA, S R/O "BINDRA" • FARM, F-4, AN NEW DELHI-110030			
DATE OF REGISTRATION	1	8/09/2015	and the second s
TITLE	TEXT	ΓILE FABRIC	<b>*</b>
PRIORITY NA			
DESIGN NUMBER		275863	
CLASS		12-15	1
1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10, CH-1763 GRANGES-PACCOT, SWITZERLAND  DATE OF REGISTRATION  18/09/2015			
PRIORITY		RE TREAD	
PRIORITY NUMBER	DATE	COUNTRY	
29/525,386	29/04/2015	U.S.A.	
	T		
DESIGN NUMBER		274186	-
1)GROUPE SEB INDIA PRIVATI A-25, FIRST FLOOR, MOHAN C DELHI-110044, DELHI, INDIA			
DATE OF REGISTRATION	05/08/2015		
TITLE	FAN		
PRIORITY NA			

DESIGN NUMBER	275765
CLASS	05-05

1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	275860
CLASS	05-05

1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



# PRIORITY NA

DESIGN NUMBER	273002
CLASS	99-00

1)ARROW WEIGHING SYSTEMS PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT, WHOSE ADDRESS IS

CB-187, IVTH FLOOR, RING ROAD, NARAINA, NEW DELHI-110028 (INDIA)

DATE OF REGISTRATION	24/06/2015
TITLE	ROAD STUD



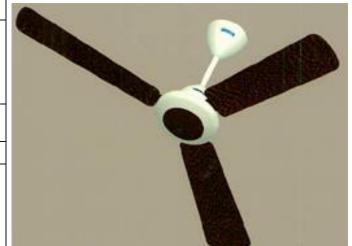


DESIGN NUMBER	274170
CLASS	23-04

# 1)LUMINOUS POWER TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY, INCORPORATED UNDER COMPANIES ACT. WHOES ADDRESS IS

ARO TOWER, PLOT NO.-300, 2ND FLOOR, UDYOG VIHAR, PHASE-2, GURGAON-122016, HARYANA (INDIA)

DATE OF REGISTRATION	04/08/2015
TITLE	CEILING FAN



### PRIORITY NA

DESIGN NUMBER	226927
CLASS	12-16
1)FORD INDIA PRIVATE LIMITED S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,	
DATE OF REGISTRATION	27/01/2010
TITLE	FRONT WIND SCREEN GLASS



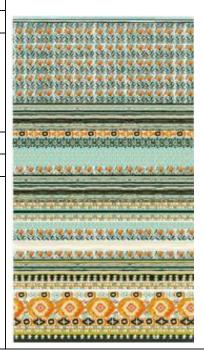
# PRIORITY NA

DESIGN NUMBER	275855
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	274483
CLASS	26-06

# 1)TOYOTA JIDOSHA KABUSHIKI KAISHA, A JAPANESE CO.,

OF 1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571, JAPAN

DATE OF REGISTRATION	14/08/2015		
TITLE	R		MBINATION LAMP N AUTOMOBILE
PRIORITY			
PRIORITY NUMBER		DATE	COUNTRY



DESIGN NUMBER	275729
CLASS	07-01

02/03/2015

AUSTRALIA

### 1)SACHIN BANDUKWALA,

B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS, BODAKDEV, AHMEDABAD 380015, GUJARAT, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	18/09/2015
TITLE	BOWL



### PRIORITY NA

201511128

DESIGN NUMBER	275773
CLASS	05-05

# 1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	266091
CLASS	06-01

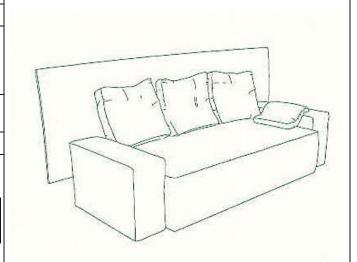
# 1)A3NP INDÚSTRIA E COMÉRCIO DE MÓVEIS S/A, A BRAZILIAN COMPANY OF

RUA IGUATEMI, 192, CONJUNTO 174 B, ITAIM BIBI, SÃO PAULO-SP, ZIP CODE: 01451-010 BRAZIL

DATE OF REGISTRATION	29/09/2014
TITLE	COUCH

### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
BR302014001496-0	04/04/2014	BRAZIL



DESIGN NUMBER	274819
CLASS	07-02

# 1)M/S JOYO PLASTICS A PARTNERSHIP FIRM REGISTERED UNDER THE INDIAN PARTNERSHIP ACT, 1932, HAVING ITS REGISTERED OFFICE AT

104, JAY ANTARIKSH, MAKKWANA ROAD, MAROL, CTS 777, ANDHERI KURLA ROAD, ANDHERI (EAST), MUMBAI-400059, MAHARASHTRA STATE, INDIA

DATE OF REGISTRATION	24/08/2015
TITLE	PARTITION CONTAINER



# PRIORITY NA

DESIGN NUMBER	275404
CLASS	07-01

## 1)M/S JOYO PLASTICS A PARTNERSHIP FIRM REGISTERED UNDER THE INDIAN PARTNERSHIP ACT, 1932, HAVING ITS REGISTERED OFFICE AT

104, JAY ANTARIKSH, MAKKWANA ROAD, MAROL, CTS 777, ANDHERI KURLA ROAD, ANDHERI (EAST), MUMBAI-400059, MAHARASHTRA STATE, INDIA

DATE OF REGISTRATION	07/09/2015
TITLE	GLASS



DESIGN NUMBER	275725
CLASS	06-01
1)CA CHINI DANDHIZIVATA	

#### 1)SACHIN BANDUKWALA,

B102 SUREL APARTMENTS, NEAR JUDGES BUNGALOW CROSSROADS, BODAKDEV, AHMEDABAD 380015, GUJARAT, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	18/09/2015
TITLE	CHAIR



### PRIORITY NA

DESIGN NUMBER	275825
CLASS	05-05

1)MR. SIDDHARATH BINDRA, S/O LATE SH. SATISH CHANDER BINDRA, R/O "BINDRA" FARM, F-4, ANSAL VILLA, NEAR CSKM SCHOOL, SATBARI, NEW DELHI-110030

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	275869
CLASS	15-01

### 1) CHANNA PRODUCTS (INDIA),

945/A/3, SUA ROAD, INDUSTRIAL AREA-C, LUDHIANA-141010 (PB.) INDIA. AN INDIAN PROPRIETORSHIP FIRM WHOSE PARTNERS ARE:- BHUPINDER SINGH & BALWINDER SINGH BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

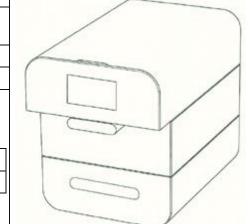
DATE OF REGISTRATION	18/09/2015
TITLE	FUEL TANK FOR DIESEL ENGINE



DESIGN NUMBER	274867
CLASS	31-00

# 1)SODASTREAM INDUSTRIES LTD., AN ISRAELI COMPANY OF P.O. BOX 280, AIR PORT CITY 70100, ISRAEL

DATE OF REGISTRATION	25/08/2015
TITLE	MACHINE FOR PREPARING DRINKS



### **PRIORITY**

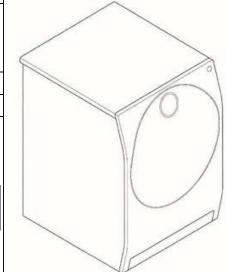
PRIORITY NUMBER	DATE	COUNTRY
56653	26/02/2015	ISRAEL

DESIGN NUMBER	274696
CLASS	15-05

# 1)LG ELECTRONICS INC., A COMPANY, INCORPORATED IN REPUBLIC OF KOREA OF

128, YEOUI-DAERO, YEONGDEUNGPO - GU, SEOUL, 150 - 721, KOREA; NATIONALITY: REPUBLIC OF KOREA

DATE OF REGISTRATION	21/08/2015
TITLE	WASHING MACHINE



### **PRIORITY**

- 1	11101111		
	PRIORITY NUMBER	DATE	COUNTRY
	30-2015-0011077	04/03/2015	REPUBLIC OF KOREA

DESIGN NUMBER	275163
CLASS	23-03
4,,	

## 1)HAVELLS INDIA LIMITED

1, RAJ NARAIN MARG, CIVIL LINES, DELHI 110054.

DATE OF REGISTRATION	02/09/2015
TITLE	WATER HEATER



DESIGN NUMBER	275324
CLASS	07-99

# 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	07/09/2015
TITLE	TRAY



### PRIORITY NA

DESIGN NUMBER	275748
CLASS	05-05

# 1)BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING IT'S REGISTERED OFFICE AT

HOUSE NO. 16/103, GROUND FLOOR, RAJENDRA NAGAR, BORIVALI (EAST), MUMBAI-400066 AND CORPORATE OFFICE AT PLOT NO.8, CHATTERPUR EXT., BLOCK NO. A-2, KHASRA NO. 659/2, NEAR TIVOLI GARDEN, NEW DELHI-110074

DATE OF REGISTRATION	18/09/2015
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	200271
CLASS	09-05
1)SUNIL MANHAR KHADAWALA, AN INDIAN NATIONAL, HAVING ADDRESS AS, AJAY APARTMENTS, 11 <sup>TH</sup> FLOOR, FLAT NO. 111, 16 HANSRAJ LANE, BYCULLA, MUMBAI-400 027, MAHARASHTRA, INDIA	
DATE OF REGISTRATION	18/09/2015

# PRIORITY NA

TITLE



**SAGHET**