# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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DATE: 07/03/2014

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

### **INTRODUCTION**

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

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

7<sup>TH</sup> MARCH, 2014

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# THE PATENT OFFICE KOLKATA, 07/03/2014

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	J		
	and Kashmir, Punjab, Rajasthan, Uttar Pradesh,		
	Uttaranchal, Delhi and the Union Territory of		
	Chandigarh.		

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

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

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	एंटोप हिल डाकघर के समीप,		एसआईडीसीओ आरएमडी गोडाउन एरिया
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			पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
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	एंटोप हिल डाकघर के समीप,		बौद्धिक संपदा भवन,
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
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	ई. मेल: Mumbai-patent@nic.in		फ़ैक्स:/Fax: (91)(33) 2367 1988
	<ul> <li>गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़</li> </ul>		ई. मेल: kolkata-patent@nic.in
	राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव,		
	दादर और नगर हवेली.		<ul><li>भारत का अवशेष क्षेत्र</li></ul>
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	प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.		
	फोन: (91)(11) 2808 1921-25		
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	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		
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वेबसाइट: http://www.ipindia.nic.in www.patentoffice.nic.in

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

### **SPECIAL NOTICE**

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

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

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

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

### **SPECIAL NOTICE**

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

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

### **SPECIAL NOTICE**

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

### **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.378/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014 (43) Publication Date : 07/03/2014

(54) Title of the invention: COMPOSITION OF PHOSPHODIESTERASE INHIBITORS IN THE TREATMENT OF CONGESTIVE HEART FAILURE.

(51) International classification	:A61K 31/683, A61K	(71)Name of Applicant:  1)SHAMKUWAR PRASHANT BABARAO  Address of Applicant: GOVERNMENT COLLEGE OF
		PHARMACY, THIBA PALACE, RATNAGIRI - 415 612,
(31) Priority Document No		MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)SHAMKUWAR PRASHANT BABARAO
(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:

Congestive heart failure is a complex of symptoms like fatigue, shortness of breath, and congestion which are related to the inadequate perfusion of tissue during exertion and often to the retention of fluid. Its primary cause is an impairment of the hearts ability to fill or empty the left ventricle properly. Milrinone has been approved for short-term support of the circulation in advanced heart failure. It is selective inhibitors of phosphodiesterase III. Milrinone cause direct stimulation of myocardial contractility and acceleration of myocardial relaxation. Milrinone produces different adverse effect like supraventricular arrhythmia, headache, hypotension, angina or chest pain, anaphylaxis, atrial fibrillation, hypokalemia and bronchospasm. Theophylline produces positive inotropic effect by inhibiting the phosphodiesterase enzyme, which is required for the inactivation of cAMP intracellulrly. The present invention provides synergistic effect of Theophylline with Milrinone causing potentiation of positive inotropic activity of Milrinone by Theophylline. Particularly, the present invention provides decrease in effective positive inotropic dose of the Milrinone when given with Theophylline could result in reducing the dose dependent side effect of Milrinone as well as bronchospasam produced by milrinone which make milrinone more suitable for the treatment of Congestive Heart failure.

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

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A FOLDABLE CONTAINER FOR STORAGE AND TRANSPORTATION OF AGRICULTURAL PRODUCE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B65D81/24, B65D85/34 :NA :NA :NA	(71)Name of Applicant:  1)Junagadh Agricultural University Address of Applicant: College of Agricultural Engineering & Technology, Junagadh Agricultural University, Junagadh - 362 001 Gujarat, India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Antala Dineshkumar Khimjibhai
(87) International Publication No	: NA	2)Satasiya Raiyalal Meghji
(61) Patent of Addition to Application Number	:NA	3)Gupta Ram Autar
Filing Date	:NA	4)Bhuva Jayantilal Valjibhai
(62) Divisional to Application Number	:NA	5)Chauhan Pushpendrasingh Mangalsingh
Filing Date	:NA	

### (57) Abstract:

A foldable container (15) for storage and transportation of agricultural produce made of corrugated and perforated plastic sheets of substantially cuboidal shape comprises a base (1), a top portion (2), four side walls (3) to (6) that are connected by reinforcing elements (7) in upright position, velcro strips (9) for closing base (1) and top portion (2), foldable and collapsible cell layer (L) in which a number of cell gaps (12) are formed by inserting cell strips (10) in the slots (11) and separation sheets (13) situated between two cell layers to provide support to the produce in cell gap (12). Such a number of cell layers (L) are placed inside container (15) on top of one another. The base (1) and top portion (2) comprises four freely projecting flaps (8) that can be folded inside and outside of the container (15). Such container reduces damage of produce substantially.

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

(22) Date of filing of Application :28/10/2013 (43) Publication Date : 07/03/2014

### (54) Title of the invention: DECORATIVE ENGINEERED SELF HEM

(51) International classification	:D03D 23/00, D03D 5/00	(71)Name of Applicant:  1)WELSPUN INDIA LIMITED  Address of Applicant: WELSPUN HOUSE, 6TH FLOOR, KAMALA CITY, SENAPATI BAPAT MARG, LOWER
(31) Priority Document No	:NA	PAREL, MUMBAI - 400013, MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GOENKA, DIPALI
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A decorative engineered self-hem and a method to prepare the decorative engineered self-hem in a single fabric is disclosed herein. It is prepared without having any additional cut & sew, with various weave patterns designed in a design area 10-20 inches from a selvedge area and rest of the fabric is woven in conventional weave pattern such as satin/twill. The method of preparation consists of cutting the fabric parallel to a selvedge area; folding the fabric overlapping the selvedge area; and folding the full fabric horizontally and at the same time, hemming of edge of the selvedge area to finish

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: AN AXLE AND MACHINING PROCESS THEREOF

	:B60B35/16,	(71)Name of Applicant:
(51) International classification	B23P23/04,	1)FOSHAN HO'S MECHANICAL MANUFACTURING
	B60B35/00	CO., LTD
(31) Priority Document No	:201310624237.2	Address of Applicant :NO.3 INDUSTRIAL ZONE,
(32) Priority Date	:29/11/2013	YANGMEI TOWN, GAOMING DISTRICT, FOSHAN CITY,
(33) Name of priority country	:China	GUANGDONG PROVINCE, PO.BOX 528515, P.R.CHINA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Chifeng, HE
(87) International Publication No	: NA	2)Zhicheng, MAI
(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 an axle and machining process thereof. The axle includes a hollow axle tube and a solid axle head, the hollow axle tube is provided with structures of transition from rectangle to round on two ends, two solid axle heads are provided and with mounting bosses; the solid axle heads are respectively inserted into two round end holes of the hollow axle tube, mounting bosses are level to round end surfaces after mounting properly, then lengths of the solid axle heads inserted into the round end holes of the hollow axle tube are positioned by the mounting bosses; The hollow axle tube and the solid axle heads are fixed by welding grooves between the mounting bosses of the solid axle heads and round end surfaces of the hollow axle tube. A service life of the axle is increased and improves load capacity of the axle.

No. of Pages: 22 No. of Claims: 8

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: ACTIVATOR AND POLLUTION CONTROL TURBO DEVICE.

(51) Let a vertice all all a vi C vertice	:B01D 53/00,	(71)Name of Applicant: 1)ANIL MANOHAR VASUDEO
(51) International classification	B01D	<u>'</u>
	53/30	NAGAR, TARDAL, ICHALKARANJI-416 415, TAL:
(31) Priority Document No	:NA	HATHKANAGLE, DIST.: KOLHAPUR, MAHARASHTRA,
(32) Priority Date	:NA	INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)ANIL MANOHAR VASUDEO
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:

Abstract This invention mainly involves Activated Electrons Generator for boosting Mileage & Pollution Control. Outside air take in Device by needle hot water by coolant process & chemicals process inner side its generated activated electrons and these activated electrons boost mileage which will also controls pollution. To clean air hose pipe is fitted in air.

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

(22) Date of filing of Application :17/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: PURIFICATION & USE OF BIOGAS AS ALTERNATIVE FUEL.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B01D53/00, B01J19/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)LAD PRAMOD CHINDHU Address of Applicant:GATE NO.449, PLOT NO. 34 B, MOHANNAGAR, NEAR VRUNDAVAN GARDEN, MOHADI ROAD, JALGAON-425002 Maharashtra India 2)NAFADE RAVINDRA MADHUKAR 3)TIRPUDE RAJU BAKHARAM 4)WANI RAJAN UTTAM 5)JADHAV GAJANAN BHANUDAS 6)NAWALE VIJAY RAVINDRA 7)SHEWALE SUNITA A. (72)Name of Inventor: 1)LAD PRAMOD CHINDHU 2)NAFADE RAVINDRA MADHUKAR 3)TIRPUDE RAJU BAKHARAM 4)WANI RAJAN UTTAM 5)JADHAV GAJANAN BHANUDAS 6)NAWALE VIJAY RAVINDRA 7)SHEWALE SUNITA A.
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### (57) Abstract:

The fossil fuel are the major conventional energy sources for our country. These are limited & therefore search for alternative fuel / renewable energy sources are continuing all over the world. Out of various renewable energy sources biogas is particularly significant due to its possibility to use as a fuel in I.C. engine. Also India has a huge population of human & cattle, so bio-logical west is available in abundance Biogas cannot be used directly in a vehicle as a fuel because the percentage of methane is less or carbon dioxide, hydrocarbon and water particle are mixed with biogas. In present invention purification unit is designed and developed in which biogas is purified by using physical processes and 30 % of carbon dioxide, 2% hydrogen sulfide and 1% water particles are reduced by using this purification unit. This project describes an experimental study concerning the feasibility of using biogas from biogas plant. After purification of biogas in a purification unit, the laboratory tests like contents of methane, carbon dioxide, moisture content and hydrogen sulfide etc. are checked. The emission, average and pickup performance characteristics of a 4-stroke (150cc) spark ignited engine were studied by using gasoline and Bio gas. The performance and emission parameters of both the fuels were evaluated and compared. Carbon monoxide (CO), Carbon dioxide (CO2) and Hydrocarbon (HC) exhaust emissions level are found to be at very low level also present in very low level. Which are much below the level of standards used in practice.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AUTOMATIC REDUCTION IN RUNNING SPEED OF MOTORISED VEHICLE WHEN PASSING OVER ROUGH SURFACE

		(71)Name of Applicant :
(51) International classification	B60K31/00,	,
	F02D41/00	Address of Applicant :A.D. PATEL INSTITUTE
(31) Priority Document No	:NA	TECHNOLOGY, BEHIND VITTHAL UDYOG NAGAR,
(32) Priority Date	:NA	G.I.D.C., VALLABH VIDYANAGAR, 388121, DIST: ANAND,
(33) Name of priority country	:NA	GUJARAT. India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GUPTE SUDHIR KASHINATH
(87) International Publication No	: NA	2)GARG SHUBHRANSHU
(61) Patent of Addition to Application Number	:NA	3)SHARMA SONAKSHI
Filing Date	:NA	4)KUMAR VIPUL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Presently the driver controls the speed of the vehicle while passing over the patch of rough road surface. The reduction in speed is invariably non uniform for similar conditions or does not matched with the requisite reduction in speed with respect to the irregularity of road surface. The current invention relates to a technology which is intended to alter the speed of the vehicle commensurate with the surface roughness of road. For this purpose the suspension of the vehicle is going to be used as the main input based on which the vehicle speed can be governed. This can be implemented on engine ECU is available.

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

(22) Date of filing of Application :20/02/2014

(43) Publication Date: 07/03/2014

# (54) Title of the invention : : PROCEDURE FOR BLOWING DOWN OF BLAST FURNACE BELOW TUYERE LEVEL WITH NORMAL BLOWING RATE.

	:C21B	(71)Name of Applicant :
(51) International classification	7/00,	1)JSW STEEL LIMITED
	C21B9/00	Address of Applicant :JSW CENTRE, BANDRA KURLA
(31) Priority Document No	:NA	COMPLEX, BANDRA(EAST), MUMBAI-400051,
(32) Priority Date	:NA	MAHARASHTRA,INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)RAO, Awnoory Srinivas
Filing Date	:NA	2)PANDEY, Shashank Kumar
(87) International Publication No	: NA	3)KUMAR, Avinash
(61) Patent of Addition to Application Number	:NA	4)DOIJODE, Sudheer
Filing Date	:NA	5)SINGH, Lokendra Raj
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a method for blowdown of blast furnace. More particularly, the present invention is directed to a process for blowing down of a blast furnace below tuyere level with normal blowing rate. This also results in greatly reducing the blowing down time. The process controls the top gas temperature by controlled and selective segment wise spraying of water avoiding chances of water droplets landing on the burden and thereby controlling hydrogen generation. Moreover, involves nitrogen purging for diluting the concentration of hydrogen in the exit gas and maintaining hydrogen level below LEL value. Also by subsequent pressure cycles of blowing at the end, the dead man is completely consumed or eliminated. This elimination of dead man leads to time saving as there is no need to rake out coke through the tuyeres. Also this process intends to achieve the target by completely eradicating the chances of any kind of explosion as such.

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

(22) Date of filing of Application :13/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: ENERGY EFFICIENT MECHANICALLY DE-LATCHABLE SOLENOID VALVE

	:F16K31/05,	(71)Name of Applicant:
(51) International classification	F16K11/10,	1)ROTEX Manufacturers and Engineers Private Limited
	F16K11/24	Address of Applicant :Manpada Road, Dombivali (East),
(31) Priority Document No	:NA	Maharashtra, INDIA
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Mr.Amit Shah
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An energy efficient solenoid valve with electrical pulse operated solenoid coil, wherein the plunger of solenoid, moved to pulled position by momentary electric supply to coil of solenoid, is latched by one or more spherical balls, previously trapped in recess of hollow bush between tapered face of spool and wedge of plunger; and consequently spool gets released thereby connecting inlet and outlet ports. Disconnecting of inlet and outlet ports is by mechanically pushing spool from one end or alternatively pulling spool from the other end, thereby mechanically de-latching plunger.

No. of Pages: 31 No. of Claims: 11

(21) Application No.514/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: CORNERING STABILITY SYSTEM FOR HYBRID AND PURE ELECTRIC VEHICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	B60L 3/00 :NA :NA :NA	(71)Name of Applicant: 1)GUPTE SUDHIR KASHINATH Address of Applicant: A.D. PATEL INSTITUTE OF TECHNOLOGY, BEHIND VITTHAL UDYOG NAGAR, G.I.D.C., VALLABH VIDYANAGAR, 388121, DIST: ANAND,
(86) International Application No Filing Date	:NA :NA	GUJARAT. India (72)Name of Inventor:
(87) International Publication No	: NA	1)GUPTE SUDHIR KASHINATH
(61) Patent of Addition to Application Number	:NA	2)GARG SHUBHRANSHU
Filing Date	:NA	3)SHARMA SONAKSHI
(62) Divisional to Application Number Filing Date	:NA :NA	4)KUMAR VIPUL

### (57) Abstract:

This invention pertains to a stability control system suitable for the hybrid and pure electric vehicles, while it is negotiating the turns during cornering. The control system is used to regulate the wheel speeds at the time of cornering for maintaining the vehicle stability. The system basically consists of a controlling mechanism which helps regulate differential speed of outer wheels and inner wheel, of motor driven axle; as per the requirement to maintain the vehicle stability.

No. of Pages: 5 No. of Claims: 9

(22) Date of filing of Application :20/02/2014

(43) Publication Date: 07/03/2014

# (54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF 1-(2,3-DICHLOROPHENYL) PIPERAZINE AND ITS SALT THEREOF

(51) International classification		(71)Name of Applicant: 1)ZCL CHEMICALS LTD. Address of Applicant: 'A'-806/807, 215 ATRIUM CHAKALA, ANDHERI (EAST), MUMBAI-400 059,
(31) Priority Document No	:NA	MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)AGARWAL NAND LAL
(86) International Application No	:NA	2)HIRPARA HITIN MAGANBHAI
Filing Date	:NA	3)SINGH CHANDRASHEKHAR
(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	

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

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

The present invention relates to an industrially feasible and economically viable process for the preparation of 1-(2,3-dichlorophenyl)piperazine and its salt of formula I thereof.

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: AUTOMATIC WATER PROVIDER AT LIMITED TIME AND LIMITED AMOUNT.

<ul> <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>	A01G27/02 :NA :NA :NA	(71)Name of Applicant:  1)VIJAYKUMAR MARUTI KHUPERKAR Address of Applicant:HOUSE NO.740, YASHVANTNAGAR, A/P: BHADOLE, TAL.: HATHKANANGALE, DIST.: KOLHAPUR, MAHARASHTRA,
<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>	:NA :NA : NA :NA :NA :NA :NA	INDIA (72)Name of Inventor: 1)VIJAYKUMAR MARUTI KHUPERKAR

### (57) Abstract:

This, apparatus is used for providing limited water after certain limited circle to the plants, Providing kettles, Poultry farms, Washing cars, Provide water to the under constructing concrete building, Provide water to the concrete roads washing, Provide water to the constructing concrete roads which is invented to overcome from issue faced by wastage of water and to provide required volume (amount) of water in limited time with the help of Water regulator.

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

(22) Date of filing of Application :28/02/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A SYSTEM AND METHOD FOR ALERTING AND COMMUNICATING INFORMATION TO A OWNER OF A DEVICE/AUTOMOBILE HAVING A UNIQUE IDENTIFICATION NUMBER

(51) International classification	:H04L12/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mosam Sudhakar
(32) Priority Date	:NA	Address of Applicant :Flat No.402, Chaitanya Chambers,
(33) Name of priority country	:NA	Chaitanyapuri, Dilsuknagar, Hyderabad- 500060 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	2)Mathangi Suresh Kumar
(87) International Publication No	: NA	3)Namala Santosh Kumar
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Mosam Sudhakar
(62) Divisional to Application Number	:NA	2)Mathangi Suresh Kumar
Filing Date	:NA	3)Namala Santosh Kumar

### (57) Abstract:

Exemplary embodiments are directed towards a system and for alerting and communicating information to an authenticated owner of a device or automobile having a unique identification number. The system includes a centralized server unit configured to receive suspicious data of a plurality of devices and automobiles comprising identification number as a message from the message sender network devices and transmit the received suspicious data as message to authenticated network devices of owners of devices or automobiles. The centralized server unit includes a device or automobile details identification unit configured to receive the suspicious data received from the message sender network devices for identifying the details associated with the devices and automobiles and a predetermined message decoder unit configured to decode a predetermined message collected from the message sender network devices to identify metadata of the suspicious data and deliver the received suspicious data to authenticated network devices of the owner.

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

(22) Date of filing of Application :20/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A NOVEL METHOD OF PRODUCING A HIGH CONCENTRATION OF DESICCATION TOLERANT SPORES UNDER SUBMERGED FERMENDATION AS AQUOUS FORMULATION WITH POLYMERIC ADDTIVES

	1011162/00	
(51) International classification	:A01N63/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)T. STANES & COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :8/23-24, RACE COURSE ROAD,
(33) Name of priority country	:NA	POST BOX NO. 3709 COIMBATORE - 641 018 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANTHANAM RAMARETHINAM
(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 method of introducing high concentration of desiccation tolerant fungal spores using a liquid culture medium which liquid culture medium comprising of a nitrogen source, carbon source along with polymeric additives

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

(21) Application No.814/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: A FRAME WORK FOR STEP DATA TRANSFORMATION

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. A BALAKRISHNA
(32) Priority Date	:NA	Address of Applicant :Department of Mechanical Engineering,
(33) Name of priority country	:NA	SRKR Engineering College, Bhimavaram, West Godavari District
(86) International Application No	:NA	Andhra Pradesh, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. A BALAKRISHNA
(61) Patent of Addition to Application Number	:NA	2)Dr. M S V SIVARAMA BHADRI RAJU
Filing Date	:NA	3)Dr. S VISWANADHA RAJU
(62) Divisional to Application Number	:NA	4)CHINTA SOMESWARA RAO
Filing Date	:NA	

### (57) Abstract:

Recent advances in Web and information technologies have resulted in many Engineering Enterprises. There is an emerging requirement to share, manage and reuse relevant resources together to achieve on-demand resource management in the internet like environment. Ontologies have become a key technology for enabling semantic-driven resource management. Achieving this interoperability is a necessary element of realizing the enterprises vision of interoperability across all the Enterprise services. Here we presented a framework, which does the whole translation process completely, from an assembly part to XML instance document, over a generated XML Schema. In addition, we presented an efficient implementation of our approach within an extensible XSLT framework. Our approach thus primarily focuses on data oriented XML. Finally we showed that ontologies provide a compact, formal, and conceptually adequate way of describing the semantics of XML-Product Model data. Following invention is described in detail with the help of Figure 1 of sheet 1 shows the proposed system architecture, Figure 2 of sheet 1 shows the exchange of product data, Figure 3 of sheet 2 shows the Optimization model for STEP file and Figure 4 of sheet 2 shows the semantic data knowledge management model.

No. of Pages: 21 No. of Claims: 8

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 07/03/2014

### (54) Title of the invention: METHODS FOR ASSESSING IMAGE CHANGE AND DEVICES THEREOF

	<b>5</b> 0.4770.400	
(51) International classification	:G06K9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANIL KUMAR LENKA
(87) International Publication No	: NA	2)RAGHAVENDRA HOSABETTU
(61) Patent of Addition to Application Number	:NA	3)ABHIJITH VIJAYAKUMAR RUGMINIBAI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method, non-transitory computer readable medium, and an image analysis computing device that retrieves, based on a captured version of an object in a received image, training images which display related versions of the object and items of data related to the related versions of the object of the training images. Keypoints which are invariant to changes in scale and rotation in the captured version of the object in the received image and in the related versions of the object in the training images are determined. Changes to the object in the received image based on any of the determined keypoints in the related version of the object which do not match the determined keypoints in the captured version of the object in the received image are provided.

No. of Pages: 40 No. of Claims: 27

(21) Application No.6035/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PROCESS FOR THE CONVERSION OF COLCHICINOIDS TO THEIR 3-GLYCOSYLATED DERIVATIVES VIA THEIR RESPECTIVE 3-DEMETHYL ANALOGUES

<ul> <li>(51) International classification</li> <li>(31) 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>	:C07H15/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ALKALOIDS CORPORATION  Address of Applicant:8, BENTINCK STREET, KOLKATA - 700 001 Kerala India (72)Name of Inventor:  1)PRABAKARAN KRISHNAMURTHI
<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)MANISH KUMAR KARNANI

### (57) Abstract:

The present invention relates to a bioprocess for the preparation of glycosylated Colchicine, its analogs and derivatives of formula (I) wherein X represents O or S, and R1 represents C1-C6 alkyl, R is a glycoside residue, R2 represents hydrogen, C1-C6 alkyl, formyl or acetyl.

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

(22) Date of filing of Application :08/10/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: PROCESS FOR CONTRATING GOLDEN RED COLOR IN FRESH TEA POWDER

(51) International classification	:A23F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KABADI, NAGRAJ N
(32) Priority Date	:NA	Address of Applicant :N.N KABADI, KABADI BUILDING,
(33) Name of priority country	:NA	HATTALGERI ROAD, MASARI GADAG - 582 101 Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KABADI, NAGRAJ N
(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 concentrating golden red colour in fresh tea powder in which all eight permitted synthetic food colours namely Tartrazine-E102, Sunset yellow-El 10, Carmosine-E129, Ponceau 4R-E124, Erithrosine-E127, Brilliant blue-E133, Indigo carmine-E132, and Fast green-E143 are mixed together to form a colour concentrate which when mixed with fresh tea powder imparts a golden red colour to the tea powder. Although synthetic food colours are added, the process is such that the concentration of these colours is minimal thus limiting any negative effects associated with them.

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

(21) Application No.841/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : DEVELOPMENT OF HIGH EFFICIENCY LOW COST, LOW MAINTENANCE SILENCER FOR ENGINES USED IN RACING/SMALL CARS

<ul><li>(51) International classification</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	(71)Name of Applicant: 1)PANKAJ KUMAR Address of Applicant:85/1, BORAL HOUSE, ROYBAHADUR ROAD, BEHALA, KOLKATA-700034, West Bengal India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PANKAJ KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The muffler of the exhaust silencer having integrated fins comprises two circular tubes, which is interconnected with two upstream perforated tubes and an end downstream perforated tube. One of the ends of the downstream tube also connected with three way catalytic convertor.

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

### **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.1091/DEL/2012 A

(19) INDIA

(22) Date of filing of Application: 10/04/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: HOT SIDE MANAGEMENT OF THERMOELECTRIC COOLING MODULE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:H05K :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)PRADIP SUBRAMANIAM  Address of Applicant: 2292/2 S-4 Alpha Manor 10th Main  3rd Block HBR Layout Bangalore Karnataka 560043 India  2)GIRISH BALUJA  3)TANMAYA VATS  4)SOOD ASHISH  5)PARIKH DEWANG  (72)Name of Inventor:  1)PRADIP SUBRAMANIAM  2)GIRISH BALUJA  3)TANMAYA VATS  4)SOOD ASHISH  5)PARIKH DEWANG
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### (57) Abstract:

A thermoelectric cooling system includes a hot side that includes a first temperature. A cold side in relation to the hot side within the thermoelectric cooling system is configured to accept a cooling load. Further an ambient region configured around the hot side includes an ambient temperature as well. In particular the system includes a mechanism configured to be in engagement with the thermoelectric cooling system and adapted to keep the first temperature of the hot side below the ambient temperature at all times aiming to increase a cooling capacity of the thermoelectric cooling system.

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

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: ARRANGEMENT FOR ROLL FORM WHEEL DRESSER FOR DRESSING A GRINDING WHEEL

(51) International classification	·R24R	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL ENGINEERING INDUSTRIES LTD.
(32) Priority Date	:NA	Address of Applicant :Khatipura Road Jaipur- 302001
(33) Name of priority country	:NA	Rajasthan INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Tikkiwal Pawan
(87) International Publication No	: NA	2)Sharma Mukesh
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system for accurately placing a roll type wheel dresser for dressing a grinding wheel with respect to the grinding wheel includes the roll type wheel dresser disposed with respect to the grinding wheel by considering center of the grinding wheel as a reference and forming the roll type wheel dresser by considering a top edge of the grinding wheel as a reference. A method for accurately placing the roll type wheel dresser includes the steps of arranging the roll type wheel dresser such that axis of rotation of roll type wheel dresser is parallel to the axis of rotation of the grinding wheel and the work piece. Thereafter positioning the roll type wheel dresser with respect to the grinding wheel by considering center of the grinding wheel as a reference and forming the roll type wheel dresser by considering a top edge of the grinding wheel as a reference.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: ELECTRONIC BALLAST BASED VOLTAGE AND CURRENT CONTROL IN WATER PURIFIERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Aquamall Water Solutions Limited   Address of Applicant: Lal Tappar Industrial Area Majri Grant Uttarakhand India (72)Name of Inventor:  1)Glenn Dsouza 2)I Ramana Kumar 3)Suryakant Nivrutti Gidde
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention pertains to water purification system comprising an electronic TRIAC based voltage and current regulating circuit to power a UV radiation based germicidal system within the said water purification system. The system further comprises a water input system, a i power supply and control module, a Purification module, a storage system and a water output i system. The power supply and control module comprises an electromagnetic interference (EMI) filter and surge protection module, a power supply switching section module, a phase angle control module, a CPU control module. The present invention discloses a method and apparatus for using an electronic AC ballast circuit that powers the germicidal Ultra violet tube. The method discloses a circuit, to eliminate high voltage spikes and surges and allow the radiation tube to function effectively. A microcontroller is used to control the phase angle of the raw AC mains flowing into the electronic ballast for the germicidal UV lamp for limiting the current and voltage irrespective of the fluctuating input voltage. When the said water purification device is powered on, the microcontroller reads the level of input AC voltage using an analog to digital technique and compares it to a reference value stored inside its memory. It then determines the AC voltage present at its input and regulates the triggering of the said TRIAC that allows the set AC voltage to flow into the electronic ballast for providing constant power to said UV radiation tube which increases the efficiency of a radiation system to eradicate pathogens within said water purification system.

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

(21) Application No.5254/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: REAR CONTACT HETEROJUNCTION PHOTOVOLTAIC CELL

(51) International classification :H01L31/0224,H01L31/0352 (71)Name of Applicant : (31) Priority Document No :09/58922 1)TOTAL S.A. Address of Applicant: 2 Place Jean Millier La Dfense 6 F (32) Priority Date :14/12/2009 (33) Name of priority country :France 92400 Courbevoie France (86) International Application No :PCT/IB2010/055725 2)CENTRE NATIONAL DE LA RECHERCHE Filing Date :10/12/2010 SCIENTIFIOUE (87) International Publication No 3)ECOLE POLYTECHNIQUE :WO 2011/073868 (61) Patent of Addition to (72)Name of Inventor: :NA **Application Number** 1)ROCA i CABARROCAS P"re :NA Filing Date 2)LABRUNE Martin (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The invention relates to a semiconductor device comprising: a crystalline semiconductor substrate (1) having a front face (1a) and a rear face (1b); a front passivation layer (3) placed on the front face (1a) of the substrate (1); a rear passivation layer (2) placed on the rear face (1b) of the substrate (1); a first metallization zone (10) placed on the rear passivation layer (2) and designed for collecting electrons; a second metallization zone designed for collecting holes comprising: a surface portion (11) placed on the rear passivation layer (2); and an internal portion (12) passing through the rear passivation layer (2) and forming in the substrate (1) a region in which the concentration of electron acceptors is greater than the rest of the substrate (1). The invention also relates to a module of photovoltaic cells using this device and to a process for manufacturing this device.

No. of Pages: 25 No. of Claims: 16

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: A CATHETER KIT FOR A URINARY CATHETER

:A61M25/00,A61M25/01 | (71)Name of Applicant : (51) International classification (31) Priority Document No :PA 2009 70285 (32) Priority Date :21/12/2009 (33) Name of priority country :Denmark

(86) International Application No :PCT/DK2010/050346 Filing Date :17/12/2010

(87) International Publication No :WO 2011/076211

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)COLOPLAST A/S

Address of Applicant : Holtedam 1 DK 3050 Humlebaek

Denmark

(72)Name of Inventor:

1)SCHERTIGER Lars Olav

(21) Application No.5256/DELNP/2012 A

2)Becker Kim

### (57) Abstract:

(19) INDIA

A urinary catheter kit is provided. The catheter kit includes a catheter with a flared end and a package provided with interior protrusions for cooperating with the flared end of the catheter. The largest outer diameter of the flared end of the catheter is slightly larger than the smallest diameter of the package at the protrusions. Thereby the protrusions will function as a backstop for the catheter. The rigidity of the catheter at the flared end is selected so that depending on the angle of the flared end the flared end will be able to flip over if it is subjected to a force over a predetermined level. Thereby the catheter will be able to be entered back into the package.

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

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: SUPERSONIC COMPRESSOR ROTOR

(51) International :F04D17/12,F04D19/00,F04D21/00

classification

(31) Priority Document No :12/639036 (32) Priority Date :16/12/2009 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2010/051887

No :08/10/2010

Filing Date

(87) International Publication :WO 2011/075204

No

(19) INDIA

(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)GENERAL ELECTRIC COMPANY

(21) Application No.5258/DELNP/2012 A

Address of Applicant: 1 River Road Schenectady NY 12345

U.S.A.

(72) Name of Inventor:

1)HOFER Douglas Carl

2)NAGEL Zachary William

### (57) Abstract:

The present invention provides a supersonic compressor comprising a supersonic compressor rotor (100) comprising a dockable rotor disk allowing restriction or opening of portions of a fluid flow channel of the rotor in order to enhance performance of the rotor during different operational stages for example rotor start up or steady state. The supersonic compressor rotor (100) comprises a first rotor disk (101) a second rotor disk (102) and a third rotor disk (103) which share a common axis of rotation. The first and second rotor disks (101 102) are rotatably coupled and the third rotor disk (103) is disposed between them. The third rotor disk (103) is independently rotatable relative to said first and second disks (101 102) and comprises a raised surface structure (110) for restricting or opening a portion of the flow channel defined by the rotor disks (101 102 103) and at least two vanes (150). The flow channel comprises a supersonic compression ramp (120) and encompasses the raised surface structure (110).

No. of Pages: 37 No. of Claims: 22

(21) Application No.5259/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012

(43) Publication Date: 07/03/2014

### (54) Title of the invention: PARTICULATE MEDICINAL COMPOSITION

(51) International classification :A61K9/107,A61K9/19,A61K47/24,A61K47/34

(31) Priority Document No :2010029486

(32) Priority Date :12/02/2010

(33) Name of priority country :Japan

(86) International Application No :14/02/2011

Filing Date

(87) International Publication No: WO 2011/099601

(61) Patent of

Addition to
Application
Number

:NA
:NA

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

(71)Name of Applicant: 1)NanoCarrier Co. Ltd.

Address of Applicant :4 19 Kashiwanoha 5 chome Kashiwa

shi Chiba 2770882 Japan (72)Name of Inventor:
1)ISHII Atsushi

2)KATO Yasuki

(57) Abstract:

Disclosed is a particulate medicinal composition which is suitable for a drug delivery system having an improved drug encapsulation stability. Specifically disclosed is a particulate medicinal composition (1) comprising block copolymer units (2) the block copolymer units being radially arranged with hydrophobic polymer chain segments (2b) facing inward and hydrophilic polymer chain segments (2a) facing outward a drug (4) comprising a biopolymer and a charged lipid (3) which is charged oppositely to the charge of the drug (4) wherein said charged lipid (3) is arranged in a state of being attracted toward the hydrophobic polymer chain segment (2b) side and the drug (3) is positioned inside of the hydrophobic polymer chain segments (2b). In this medicinal composition (1) drop off of the drug (4) outside particles can be remarkably prevented.

No. of Pages: 39 No. of Claims: 4

(21) Application No.2680/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: A BREAD, CAKE AND TOAST SLICING MACHINE

(62) Divisional to Application Number :NA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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)JAGJIT SINGH SOHAL  Address of Applicant: C-57, WAZIRPUR INDUSTRIAL  AREA, DELHI-110052 India  (72)Name of Inventor:  1)JAGJIT SINGH SOHAL
Filing Date :NA :NA	(62) Divisional to Application Number Filing Date		

### (57) Abstract:

The object of the invention is to provide variable drive which increases or decreases the cutting speed of machine as per the production requirement. Yet another object of the invention is to provide unloading platform on conveyor which moves forward the bread after slicing without generating the pressure on the sliced bread. Yet another object of invention is to increase the engine stroke. To achieve the above objects the machine is having A bread, cake and toast slicing machine having loading platform (1) with three conveyers (2,3 & 4), slicing unit (6), engine line (7), where in the machine is having feeding gear box (8) with variable drive (9) which increases or decreases the cutting speed of machine as per the production requirement, unloading platform on conveyor which moves forward the bread after slicing without generating the pressure on the sliced bread and the crank shaft (12) with minimum 3 inch engine stroke.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: PLUGGABLE AUTHENTICATION MECHANISM FOR MOBILE DEVICE APPLICATIONS

(51) International classification	:H04M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant: 3 avenue Octave Grard 75007 Paris
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)T G Priya
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Method(s) and system for authenticating a user to provide access to a secure application configured on a mobile device (100) are disclosed. The method includes receiving an input from the user. The input is associated with a plurality of parameters. The method includes extracting a biometric pattern based on the input. The biometric pattern may be generated from the plurality of parameters associated with the input. The method may include comparing the biometric pattern with a plurality of reference patterns. The plurality of reference patterns are pre-defined by an owner of the mobile device. Furthermore the method may include authenticating the user when the biometric pattern matches a reference pattern associated with the secure application from the plurality of reference patterns. Moreover the method includes allowing the user to access the secure application based on the authentication.

No. of Pages: 31 No. of Claims: 15

(21) Application No.2682/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: CATHETER ADAPTED FOR DIRECT TISSUE CONTACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61B :13/224,291 :01/09/2011 :U.S.A. :NA :NA	Address of Applicant :4 Hatnufa Street Yokneam 20692 Israel (72)Name of Inventor: 1)DEBBY GRUNEWALD
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)MEIR BAR-TAL
Filing Date	:NA	

### (57) Abstract:

AN IRRIGATED ABLATION CATHETER ADAPTED FOR DIRECT TISSUE CONTACT HAS MICRO-ELEMENTS THAT PROVIDE MORE ACCURATE SENSING OF TISSUE, INCLUDING THERMAL AND ELECTRICAL PROPERTIES FOR TEMPERATURE AND IMPEDANCE MEASUREMENTS. THE MICRO-ELEMENTS EXTEND THROUGH A HOLLOW CHAMBER OF AN IRRIGATED ABLATION ELECTRODE, AND DISTAL ENDS THEREOF CAN PROTRUDE OUTSIDE OF ELECTRODE OR BE FLUSH WITH THE ELECTRODE. THE MICRO-ELEMENTS HAVE A PROTECTIVE GUIDE TUBE IN WHICH COMPONENTS ENABLING TEMPERATURE SENSING OR ELECTRICAL SENSING ARE ENCASED. AW/AW

No. of Pages: 42 No. of Claims: 20

(21) Application No.5292/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: CATALYSTS FOR POLYURETHANE FOAM POLYOL PREMIXES CONTAINING HALOGENATED OLEFIN BLOWING AGENTS

(51) International

:C08L75/04,C08J9/04,C08G18/28,C08G18/22

classification

(31) Priority :61/287603 Document No

(32) Priority Date :17/12/2009 (33) Name of

priority country

(86) International

:PCT/US2010/060678 Application No

Filing Date

:16/12/2010

:U.S.A.

(87) International Publication No

:WO 2011/084563

(61) Patent of

Addition to :NA Application :NA Number

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

(57) Abstract:

(71)Name of Applicant:

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant: 101 Columbia Road Morristown NJ

07962 U.S.A.

(72)Name of Inventor:

1)VANDERPUY Michael 2)WILLIAMS David John

3)GITTERE Clifford P.

characterized by a fine uniform cell structure and little or no foam collapse. The foams are produced with a polyol premix composition which comprises a combination of a hydrohaloolefin blowing agent a polyol a silicone surfactant and a non amine catalyst used alone or in combination with an amine catalyst.

The invention provides polyurethane and polyisocyanurate foams and methods for the preparation thereof. More particularly the invention relates to closed celled polyurethane and polyisocyanurate foams and methods for their preparation. The foams are

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

(12) TATENT ALLEGATION TO BEIGHTION

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

(21) Application No.2703/DEL/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: SOLID BIOMASS FIRED STOVE

(51) International classification	:F24B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAMESH KUMAR NIBHORIA
(32) Priority Date	:NA	Address of Applicant :HOUSE NO.1932-F, SECTOR 7-C,
(33) Name of priority country	:NA	CHANDIGARH-160019, UT., INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMESH KUMAR NIBHORIA
(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:

(19) INDIA

The equipment is meant for smokeless combustion of solid biomass such as pellet/briquette/wood shrubs pieces. Stove has metallic combustion chamber duly lined with fire cement as well as an removable metallic shell duly lined with fire cement and placed in the main combustion chamber for increasing combustion chamber life. Stove has air tight ash collection chamber wherein ash collection tray is placed to take out ash gate needs to be opened. Stove has fuel feed chute to feed more fuel as and when required to enable stove user to use the stove as long as he require. Stove has DC blower to get high pressure air supply on above of the fuel bed as well as beneath the fire grate as secondary and primary respectively this gives for smokeless and efficient combustion. This stove has more than 40% thermal efficiency.

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

(21) Application No.2704/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DISPENSER AUTOMATED 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></ul>	:H04N :NA :NA :NA	(71)Name of Applicant:  1)TOKHEIM INDIA PRIVATE LIMITED  Address of Applicant: A-174 TTC Industrial Area MIDC  Khairne Village Navi Mumbai-400709 India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ANUP KALLAT
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention concerns a remote management system for centralized control of a network of refueling-stations (2) comprising each at least a fuel dispenser (3) arranged to operatively provide fuel to a vehicle and a process for controlling sale and stock of fuel. According to the invention, the remote management system comprises: o A remote central server (1) disposed apart from the refueling-stations (2), each fuel dispenser (3) comprising a dispenser control module (4) receiving and storing fuel sale data relating to a refueling transaction associated with a vehicle, and first wireless communication means (5, 6) enable the dispenser to send said fuel sale data to the remote central server (1) and to receive data from the remote central server (1) via a wireless communication, At least a fuel tank (7) located in each refueling-stations (2) for feeding fuel to the fuel dispensers (3), each fuel tank (7) comprising a tank gauge (8) measuring the fuel level in the fuel tank (7), generating fuel stock data, A tank control module (9) receiving said fuel stock data, - Second wireless communication means (10, 11) enable the tank control module (9) to send said fuel stock data to the remote central server (1) and to receive data from the remote central server (1) via a wireless communication, and - Internet connection means (12) enabling communication between the remote central server (1) and a remote user device (13).

No. of Pages: 12 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.5315/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: ROTOR FOR MODULATED POLE 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>	:H02K1/27 :PA 2009 70291 :21/12/2009 :Denmark :PCT/EP2010/070250 :20/12/2010 :WO 2011/076740 :NA :NA	(71)Name of Applicant:  1)H–GAN,,S AB (publ) Address of Applicant:S 263 83 Hgans Sweden (72)Name of Inventor: 1)PENNANDER Lars Olov 2)NORD Gran
(62) Divisional to Application Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A rotor for a modulated pole machine the rotor being configured to generate a rotor magnetic field for interaction with a stator magnetic field of a stator of the modulated pole machine wherein said rotor comprises: a tubular support structure defining (201 301) a circumferential mounting surface the tubular support structure comprising a plurality of elongated recesses (202) in the mounting surface the elongated recesses extending in an axial direction of the tubular support structure and a plurality of permanent magnets (203) arranged at the mounting surface of the tubular support structure and magnetised in the circumferential direction of said rotor so as to generate the rotor magnetic field the permanent magnets (203) being separated from each other in the circumferential direction of the rotor by axially extending rotor pole sections (204) for directing the rotor magnetic field generated by said permanent magnets in a radial direction wherein at least one permanent magnet (203) or one rotor pole section (204) extends at least partly into one of the plurality of recesses.

No. of Pages: 46 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BEVERAGE DISPENSING UNIT FOR SEASONAL MODULARITY

(51) International classification :A473 (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	(71)Name of Applicant: 1)THE CONCENTRATE MANUFACTURING COMPANY OF IRELAND Address of Applicant: Corner House 20 Parliament Street P.O. Box HM 2090 Hamilton HMHX Bermuda (72)Name of Inventor: 1)ANAND ARORA 2)GURMEET SINGH BHUTANI 3)RAHUL SADASHIV KAMBLE 4)TANMAYA VATS
Filing Date :NA	4)TANMAYA VATS

#### (57) Abstract:

A beverage dispensing unit for preparing and dispensing beverages includes both a heating unit and a cooling unit for heating or cooling of a water supply source. The heating unit and cooling unit having a valve disposed there between that controls or restricts the flow from either the heating unit or the cooling unit. Such mechanism provides for dispensing hot or cold beverages including powder based concentrate or syrup based and water. In addition pre-chilled concentrates can be mixed with hot water to provide for warm beverages. The dispensing unit further contains therein a plurality of storage units which store a shelf stable powder or a concentrate and a plurality of mixing devices connected to the storage units for mixing the powders or concentrates with hot or cold water.

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

(21) Application No.2622/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TEST PIECE FOR HEAVY METAL ION PROCESS FOR DETECTING HEAVY METAL ION KIT AND SENSOR

(86) International Application No :NA :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA (72)Name of Inventor :  (NA (72)Name of In	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	Address of Applicant :1-7-1 Konan Minato-ku Tokyo Japan (72)Name of Inventor :  1)XIAOKE ZHANG 2)YONGMING LI
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#### (57) Abstract:

THE INVENTION PROVIDES A TEST PIECE FOR DETECTING HEAVY METAL IONS IN AN AQUEOUS SYSTEM TO BE DETECTED, COMPRISING A SUBSTRATE, A POLYMER COATING LAYER AND A LAYER OF HEAVY METAL ION-DETECTING AGENT, WHEREIN THE POLYMER COATING LAYER IS PROVIDED SUCH THAT THE SURFACE OF THE TEST PIECE IS HYDROPHOBIC. THE INVENTION FURTHER PROVIDES A PROCESS FOR DETECTING HEAVY METAL IONS IN AN AQUEOUS SYSTEM, A KIT COMPRISING THE HEAVY METAL ION TEST PIECE AND A SENSOR. A PORTABLE TEST PIECE AND / OR A DEVICE CAN BE PROVIDED BY THE TEST PIECE ACCORDING TO THE INVENTION, SO AS TO DETECT THE HEAVY METAL IONS IN A CONVENIENT, EFFICIENT AND RAPID MANNER.

No. of Pages: 51 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : TOPICAL PHARMACEUTICAL COMPOSITION COMPRISING NANONIZED SILVER SULFADIAZINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filed on</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K :NA :NA :NA :NA :NA : NA : 1821/DEL/2010 :02/08/2010 :NA :NA	(71)Name of Applicant:  1)RANBAXY LABORATORIES LIMITED  Address of Applicant:12TH FLOOR, DEVIKA TOWER, 6 NEHRU PLACE, NEW DELHI-110019, INDIA (72)Name of Inventor:  1)NEETA GUPTA  2)SIMRATA BEDI 3)JYOTI SRIVASTAVA 4)VINOD KUMAR ARORA 5)MANISHA PANDYA 6)VYAS M SHINGATGERI, 7)JAIPRAKASH JAYSINGRAO BHELONDE 8)MONIKA OBRAH 9)SANJAY K. SHARMA 10)RAJINDER K. JALALI 11)SUDERSHAN K. ARORA
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#### (57) Abstract:

The invention relates to a topical pharmaceutical composition for burn treatment and microbial infections on human beings or animals. The pharmaceutical composition comprises 0.1% w/w to 1.0% w/w of an antimicrobial drug, i.e., silver sulfadiazine and 0.2% w/w antiseptic, i.e., chlorhexidine gluconate; wherein silver sulfadiazine is in nanonized form.

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

(21) Application No.5329/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD OF PRODUCING FATTY ACIDS OR LIPIDS CONTAINING FATTY ACIDS USING THIOESTERASE VARIANTS

(51) International :C12P7/64,A01H5/00,C12N1/21,C12N5/10

classification

(31) Priority :2009295,458 Document No

(32) Priority Date :25/12/2009 (33) Name of priority

:Japan country

(86) International

Application No

:PCT/JP2010/071717 :03/12/2010 Filing Date

(87) International Publication No

:WO 2011/077931

(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)Kao Corporation

Address of Applicant: 14 10 Nihonbashi Kayabacho 1 chome

Chuo ku Tokyo 103-8210 Japan

(72)Name of Inventor: 1)TOJO Takuto

2)ENDO Keiji

## (57) Abstract:

stProvided is a method for producing a fatty acid or a fatty acid containing lipid using a thioesterase variant which has an amino acid sequence wherein the 231 amino acid in the amino acid sequence shown in sequence No. 1 has been substituted from threonine to lysine. Also provided is a transformant which has a gene that encodes the thioesterase variant and which has improved capability to produce fatty acids or lipids containing fatty acids.

No. of Pages: 56 No. of Claims: 7

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: STRUCTURE FOR SPRING BRAKE CHAMBER

(51) International classification (31) Priority Document No :2009-284752 (32) Priority Date :16/12/2009 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2010/073261 Filing Date :16/12/2010 (87) International Publication No :WO 2011/074706

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

:B60T15/38,F16D65/32 (71)Name of Applicant :

1)Nabtesco Automotive Corporation

(21) Application No.5330/DELNP/2012 A

Address of Applicant: Kyosai Bldg., 7-9 Hirakawacho 2-

chome, chiyoda-ku, Tokyo 102-0093, Japan

(72)Name of Inventor: 1)SHIMOMURA Takeo 2)NISHIMURA Akinori

# (57) Abstract:

(19) INDIA

Disclosed is a technology for a highly durable push rod member in which the number of components is reduced as well as the base plate and shaft being integrally molded using an aluminium (Al) material in which the length of the tip of the push rod member which is attached to the shaft is adjusted and set and which reduces production effort to a large extent and results in little deterioration. Specifically disclosed is a structure for a spring brake chamber wherein a chamber case (13) on one side and a return spring housing case (14) on the opposite side are connected by a connecting case (15). A release bolt (16) is disposed in the axial section of the chamber case (13) in the longitudinal direction thereof. A push rod member (26) is disposed in the return spring housing case (14) specifically in a third pressure medium chamber (14A) and is configured from a substantially disk shaped push plate (26A) which is formed from an aluminium material a shaft body (26B) which is integrally formed protruding from the centre of the push plate (26A) and a protruding rod (26C) which is inserted and fixed in a central hole in the shaft body (26B).

No. of Pages: 41 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :10/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HYBRID REFRIGERATOR USING TWO STEP COOLING PROCESS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	F25B NA NA NA NA NA NA NA NA NA	(71)Name of Applicant:  1)PRADIP SUBRAMANIAM  Address of Applicant: 2292/2 S-4 Alpha Manor 10th Main  3rd Block HBR Layout Bangalore Karnataka 560043 India  2)GIRISH BALUJA  3)TANMAYA VATS  4)SOOD ASHISH  5)PARIKH DEWANG  (72)Name of Inventor:  1)PRADIP SUBRAMANIAM  2)GIRISH BALUJA  3)TANMAYA VATS  4)SOOD ASHISH  5)PARIKH DEWANG
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# (57) Abstract:

A hybrid refrigeration system includes a first structure configured to accommodate one or more containments. Further the first structure has a first step cooling mode that is configured to pre-cool the containments the pre-cooling being performed to reduce a temperature of the containments from a first temperature to a predetermined threshold temperature. Furthermore the system also includes a second structure also configured to house the containments. Herein the second structure enables a second step cooling mode that further reduces the temperature of the containments from the predetermined threshold temperature to a final desired temperature.

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

(21) Application No.2694/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD FOR STABLE EXPRESSION OF SUPPRESSORS OF RNAI IN PLANTS BY DIRECT GENETIC TRANSFORMATION OF SEEDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA	(71)Name of Applicant: 1)INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY Address of Applicant:ICGEB CAMPUS, P.O. BOX 10504, ARUNA ASAF ALI MARG, NEW DELHI-110 067, INDIA (72)Name of Inventor: 1)MISHRA, NEETI, SANAN 2)DAS, SUDHANSHU, SEKHAR
Filing Date (62) Divisional to Application Number	:NA :NA	2)DAS, SUDHANSHU, SERHAR
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a simple, efficient and rapid method for generating transgenics capable of overexpressing the RNAi suppressor proteins. The present invention also relates to a rapid method for generating transgenic rice plants stably expressing the viral suppressors of RNAi by directly transforming the seeds and growing them in presence of appropriate selection markers. The present invention further provides an effective and efficient method for Agrobacterium mediated inplanta transformation of rice seeds.

No. of Pages: 25 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHODS FOR DETECTING A MYCOBACTERIUM TUBERCULOSIS INFECTION

(51)International :G01N33/569,G01N33/68,C07K14/35,C12R1/32 classification (31) Priority :61/263,206 Document No (32) Priority :20/11/2009 Date (33) Name of :U.S.A. priority country

(86)

**Publication No** 

International :PCT/US2010/057503

Application No :19/11/2010

Filing Date

(87)

International :WO 2011/063283

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

(71)Name of Applicant:

1)OREGON HEALTH & SCIENCE UNIVERSITY

(21) Application No.5332/DELNP/2012 A

Address of Applicant :Office Of Technology & Research Collaborations 2525 Sw First Avenue Suite #120 Portland OR

97201 U.S.A.

2)THE UNITED STATES GOVERNMENT AS

REPRESENTED BY THE DEPARTMENT OF VETERANS **AFFAIRS** 

(72)Name of Inventor:

1)LEWINSOHN David M. 2)LEWINSOHN Deborah A.

## (57) Abstract:

Methods for detecting an infection with Mtb in a subject are disclosed. The methods include detecting the presence of CD8 T cells that specifically recognize an Mtb polypeptide. The methods include in vitro assays for detecting the presence of CD8 T cells in a biological sample and in vivo assays that detect a delayed type hypersensitivity reaction. The methods also include detecting Mtb polypeptides and polynucleotides.

No. of Pages: 119 No. of Claims: 26

(21) Application No.5333/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED DESIGNS FOR TURBINE ASSEMBLIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F03D9/00,H02P9/04 :12/644,739 :22/12/2009 :U.S.A. :PCT/US2010/061183 :18/12/2010 :WO 2011/087732 :NA :NA	(71)Name of Applicant:  1)LUCID ENERGY TECHNOLOGIES LLP Address of Applicant: 108 N W 9th Avenue, suite 201, Portland, oregon 97209, U.S.A. (72)Name of Inventor: 1)COSBY Mark Rydell 2)SCHLABACH Roderic Alan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A turbine is described. The turbine includes: (i) a shaft capable of rotation along its longitudinal axis and capable of connecting to an electrical generator and the shaft having disposed thereon at least one shaft hinge; (ii) a radial arm including a first end having disposed thereon at least one first hinge; and a hinge pin that fits inside a cavity formed when at least one the shaft hinge of the shaft is in an engaged position with at least one first hinge of the radial arm and in the engaged position the hinge pin capable of connecting the radial arm to the shaft.

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

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SUN ROOF WIND DEFLECTOR AND THE PRODUCTION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/09/2011 :WO 2012/052247 :NA :NA :NA	(71)Name of Applicant:  1)WEBASTO AG  Address of Applicant: Kraillinger Str. 5 82131 Stockdorf Germany (72)Name of Inventor:  1)WIMMER Rudolf
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.5336/DELNP/2012 A

#### (57) Abstract:

Die Erfindung betrifft einen Windabweiser f½r ein offenbares Fahrzeugdach mit einem verschiebbaren Deckelelement umfassend ein aufspannbares Abweiserelement (26) aus einem flchigen flexiblen Material das mit seinem unteren Randbereich ½ber eine untere Randleiste (36) an einem festen Dachabschnitt und mit seinem oberen Randbereich ½ber eine obere Randleiste (34) an einem verschwenkbaren Ausstellb½gel befestigt ist. Die obere Randleiste (34) und die untere Randleiste (36) sind Bestandteile einer umlaufenden Kunststoff Randumspritzung (32) des Abweiserelements (26).

No. of Pages: 30 No. of Claims: 16

(21) Application No.2535/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DISPLAY DEVICE AND ELECTRONIC APPARATUS

(51) International classification :G09G (31) Priority Document No :2011181 (32) Priority Date :23/08/20 (33) Name of priority country :Japan (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	_,,,,
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#### (57) Abstract:

A DISPLAY DEVICE INCLUDES: A PLURALITY OF LIGHT-EMITTING ELEMENTS, EACH LIGHT-EMITTING ELEMENT HAVING A LIGHT-EMITTING UNIT AND A DRIVING CIRCUIT FOR DRIVING THE LIGHT-EMITTING UNIT. THE DRIVING CIRCUIT AT LEAST INCLUDES (A) A DRIVE TRANSISTOR HAVING SOURCE/DRAIN REGIONS, A CHANNEL FORMING REGION, AND A GATE ELECTRODE, (B) A VIDEO SIGNAL WRITE TRANSISTOR HAVING SOURCE/DRAIN REGIONS, A CHANNEL FORMING REGION, AND A GATE ELECTRODE, AND (C) A CAPACITIVE UNIT. IN THE DRIVE TRANSISTOR, (A-1) ONE OF THE SOURCE/DRAIN REGIONS IS CONNECTED TO THE CORRESPONDING CURRENT SUPPLY LINE, (A-2) THE OTHER REGION OF THE SOURCE/DRAIN REGIONS IS CONNECTED TO THE LIGHT-EMITTING UNIT AND CONNECTED TO ONE END OF THE CAPACITIVE UNIT, AND FORMS A SECOND NODE, AND (A-3) THE GATE ELECTRODE IS CONNECTED TO THE OTHER REGION OF THE SOURCE/DRAIN REGIONS OF THE VIDEO SIGNAL WRITE TRANSISTOR AND CONNECTED TO THE OTHER END OF THE CAPACITIVE UNIT, AND FORMS A FIRST NODE.

No. of Pages: 112 No. of Claims: 4

(21) Application No.2536/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHODS OF REDUCING LEVEL OF ONE OF MORE IMPURITIES IN A SAMPLE DURING PROTEIN PURIFICATION

(51) International classification	:C07K	(71)Name of Applicant :
(31) Priority Document No	:61/666,240	1)EMD MILLIPORE CORPORATION
(32) Priority Date	:19/08/2011	Address of Applicant :290 Concord Road Billerica
(33) Name of priority country	:U.S.A.	Massachusetts 01821 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NANYING BIAN
(87) International Publication No	: NA	2)CHRISTOPHER GILLESPIE
(61) Patent of Addition to Application Number	:NA	3)MATTHEW T. STONE
Filing Date	:NA	4)MIKHAIL KOZLOV
(62) Divisional to Application Number	:NA	5)JIE CHEN
Filing Date	:NA	6)MARTIN SIWAK

## (57) Abstract:

THE PRESENT INVENTION PROVIDES NOVEL AND IMPROVED PROTEIN PURIFICATION PROCESSES WHICH INCORPORATE CERTAIN TYPES OF CARBONACEOUS MATERIALS AND RESULT IN EFFECTIVE AND SELECTIVE REMOVAL OF CERTAIN UNDESIRABLE IMPURITIES WITHOUT ADVERSELY EFFECTING THE YIELD OF THE DESIRED PROTEIN PRODUCT.

No. of Pages: 106 No. of Claims: 43

(21) Application No.5338/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TETRAVALENT CD47-ANTIBODY CONSTANT REGION FUSION PROTEIN FOR USE IN **THERAPY**

(51)International :C07K14/705.C07K19/00.C07K16/00.A61K39/00 classification

(31) Priority :61/289,007 Document No

(32) Priority

:22/12/2009 Date

(33) Name of

priority country :U.S.A.

(86)

International

:PCT/EP2010/070355 Application No :21/12/2010

Filing

Date (87)

International :WO 2011/076781

**Publication No** (61) Patent of Addition to Application :NA

Number :NA

Filing Date

(62) Divisional

to Application :NA Number

:NA Filing

Date

(57) Abstract:

(71)Name of Applicant: 1)NOVARTIS AG Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor: 1)HUBER Thomas 2)KOLBINGER Frank 3)SARFATI Marie 4)WELZENBACH Karl

The present invention relates to soluble SIRPa binding proteins for use as a medicament in particular for the prevention or treatment of autoimmune and inflammatory disorders for example allergic asthma and inflammatory bowel diseases. The invention more specifically relates to a soluble SIRPa binding protein comprising a complex of two heterodimers wherein each heterodimer essentially consists of: (i) a first monovalent single chain polypeptide comprising a first SIRPa binding domain fused at the N terminal part of a heavy chain constant region of an antibody; and (ii) a second monovalent single chain polypeptide comprising a second SIRPa binding domain fused at the N terminal part of a CL light chain constant region of an antibody. The invention further relates to soluble SIRPa binding antibody like protein.

No. of Pages: 127 No. of Claims: 42

(19) INDIA

(22) Date of filing of Application :15/06/2012

(21) Application No.5339/DELNP/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: ROBOT

(51) International classification :G05D1/02,B25J5/00,B25J13/08,G01N27/62

(31) Priority
Document No
(32) Priority Date
(33) Name of
Desiration and the state of the state

priority country
(86) International
Application No

PCT/JP2010/007454

Application No Filing Date :22/12/2010

(87) International Publication No :WO 2011/077730

(61) Patent of

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

Application Number :NA
Filing Date :NA

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

Address of Applicant :16-1 Tenjin cho Hachioji shi Tokyo

192-0074 Japan

(72)Name of Inventor: 1)SATO Tomoyoshi

#### (57) Abstract:

Disclosed is a movable olfactory robot dog (1) including: an IMS unit (100) which acquires chemical substance related information related to chemical substances contained in the outside air (19) obtained from the left and right nostrils (12L 12R); and an event monitoring unit (30) which determines the occurrence of an event and the direction in which the event occurred in relation to the robot dog (1) based on changes in the chemical substance related information obtained from each nostril (12L 12R).

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

(21) Application No.5340/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : EMULSION-BASED PROCESS FOR PREPARING MICROPARTICLES AND WORKHEAD ASSEMBLY FOR USE WITH SAME

(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	:B01J13/12,A61K9/16,A61K8/11 :61/288,973 :22/12/2009 :U.S.A. :PCT/US2010/060473 :15/12/2010 :WO 2011/087689 :NA :NA	(71)Name of Applicant:  1)EVONIK CORPORATION Address of Applicant:299 Jefferson ROAD, Parsippany, NJ 07054, U.S.A.  2)NA 3)NA (72)Name of Inventor: 1)WINCHESTER Gary 2)MARKLAND Peter
Number	:NA :NA	

## (57) Abstract:

The present invention relates to emulsion and double emulsion based processes for preparing microparticles. The invention also relates to workhead assemblies for in line flow through mixing devices that can be used for mixing two or more fluids. The workhead assemblies can be used with the processes for preparing microparticles.

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

(21) Application No.5343/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : FLUORIDE FREE AND ANIONIC SURFACTANT FREE DENTIFRICE HAVING A HIGH MICRO EFFICACY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A61K8/34,A61Q11/00 :61/299,730 :29/01/2010 :U.S.A. :PCT/US2011/022860 :28/01/2011 :WO 2011/094494 :NA :NA	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)COLLINS Michael 2)FRUGE Linh 3)HEPLER Barbara 4)SMITH WEBSTER Kimdra
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An oral care composition and method are described in which the composition is free of an anionic surfactant and a fluoride source oral care composition comprising; from 15% to 35% by weight glycerin; from 17% to 45% by weight propylene glycol; and from 15% to 35% by weight sorbitol.

No. of Pages: 13 No. of Claims: 16

(19) INDIA

(43) Publication Date: 07/03/2014

(21) Application No.5344/DELNP/2012 A

(22) Date of filing of Application :15/06/2012

# (54) Title of the invention : CONTROLLER FOR AUTOMATIC CONTROL AND OPTIMIZATION OF DUTY CYCLED HVAC&R EQUIPMENT AND SYSTEMS AND METHODS USING SAME

(51) International classification	:G05D5/00	(71)Name of Applicant :
(31) Priority Document No	:61/262,281	1)PACECONTROLS LLC
(32) Priority Date	:18/11/2009	Address of Applicant :160 Roosevelt Avenue Suite 102 York
(33) Name of priority country	:U.S.A.	PA 17401 U.S.A.
(86) International Application No	:PCT/US2010/056948	(72)Name of Inventor:
Filing Date	:17/11/2010	1)KOLK Richard A.
(87) International Publication No	:WO 2011/062942	2)MILLS Thomas A.
(61) Patent of Addition to Application	:NA	3)BUDNEY Stanley M.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		<u> </u>

#### (57) Abstract:

An electronic controller device for automatic control of a heating ventilating air conditioning or refrigeration (HVAC&R) system has a digital recycle counter that is capable of intercepting a thermostat command for cooling refrigeration or heating and replacing the thermostat command with a modulated binary signal that operates in an on state or off state and a computer readable storage medium that comprises a program that includes an auto configuration mode that is capable of determining a base line performance of the HVAC&R system through a commissioning phase and is capable of determining an adjusted performance based on energy consumption temperature regulation humidity regulation or power limit or any combination thereof. The program can adjust the digital recycle counter on and off states based on the adjusted performance determination to reduce energy consumption.

No. of Pages: 75 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: POWDER DISPENSING CANISTER

(51) International classification	:A47J31/40,A47J47/01	(71)Name of Applicant:
(31) Priority Document No	:09179552.6	1)NESTEC S.A.
(32) Priority Date	:17/12/2009	Address of Applicant :Av. Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2010/070106	(72)Name of Inventor:
Filing Date	:17/12/2010	1)GIGANDET Christel
(87) International Publication No	:WO 2011/080124	2)RAMAIOLI Marco
(61) Patent of Addition to Application	:NA	3)MURPHY Richard Luke
Number	:NA	4)REY Cdric
Filing Date	.11/1	5)FILLIOL Carine
(62) Divisional to Application Number	:NA	6)JACCARD Sandrine
Filing Date	:NA	

(21) Application No.5345/DELNP/2012 A

#### (57) Abstract:

The invention concerns a dispensing canister comprising: a reservoir (1) having a bottom in the form of a U shaped throat two terminal walls (1c 1d) and two side walls (1a 1b) said side walls being attached to the upper extremities of the U shaped throat a rotatable volumetric dosing means (2):. longitudinally extending through the bottom of the reservoir (1e) and. configured for displacing a volume of powder longitudinally through the bottom of the reservoir and. lodged in the U shaped throat the upper point of the U shaped throat extending at least up to the top of the rotatable volumetric dosing means and wherein at least the portion of at least one of the reservoir side walls attached to the U shaped throat is straight outwardly inclined according to an angle of at most 25° with the vertical.

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

(21) Application No.5346/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MAILLARD FLAVOR COMPOSITIONS WITH POLAR SOLVENTS DIFFERENT FROM WATER AND METHODS FOR MAKING SUCH COMPOSITIONS

## (57) Abstract:

The invention provides a Maillard flavor composition comprising a structured lipid phase a polar solvent different from water and at least one Maillard reaction product. The invention concerns further a method for making said composition in a structured lipid phase using polar solvent different from water. The compositions are useful for enhancing the palatability of foods dietary supplements medicaments and the like.

No. of Pages: 34 No. of Claims: 23

(21) Application No.5347/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD FOR PRODUCING LIQUEFIED NATURAL GAS HAVING AN ADJUSTED HIGHER **CALORIFIC POWER**

(51) International :C10L3/06,C10L3/12,F17C5/04,F25J1/02

classification

(31) Priority Document :09/59174

(32) Priority Date :18/12/2009 (33) Name of priority

country

(86) International :PCT/IB2010/055857 Application No

:France

:NA

:16/12/2010 Filing Date

(87) International

:WO 2011/073931 Publication No

(61) Patent of Addition

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

Filing Date

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

Address of Applicant: 2 Place Jean Millier La Dfense 6 F

92400 Courbevoie France

(72)Name of Inventor: 1)GARCEL Jean Claude 2)THOMAS Christophe

#### (57) Abstract:

The invention relates to a method for treating natural gas containing propane and/or butane including the following steps: extracting at least one portion of the propane and/or butane from the natural gas to provide a light natural gas; cooling and liquefying the light natural gas to provide a light liquefied natural gas; mixing a portion of the light liquefied natural gas with the extracted propane and/or butane to provide a heavy liquefied natural gas; the mixing step being performed in a liquefied natural gas production facility. The invention also relates to a liquefied natural gas production facility suitable for implementing said method.

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

(21) Application No.2628/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: POWER STORAGE APPARATUS AND ELECTRIC VEHICLE

(51) International classification (31) Priority Document No	:H01M :2011189562	
(32) Priority Date (33) Name of priority country	:31/08/2011 :Japan	Address of Applicant :1-7-1 Konan Minato-ku Tokyo Japan (72)Name of Inventor :
(86) International Application No	:NA	1)YOSHIHIRO KOMATSU
Filing Date (87) International Publication No	:NA : NA	2)HIDEKAZU KIKUCHI 3)KOJI UMETSU
(61) Patent of Addition to Application Number	:NA	4)NAOYUKI SUGENO
Filing Date	:NA	5)MORIHIKO SATO
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A POWER STORAGE APPARATUS, ELECTRIC DEVICE, ELECTRIC VEHICLE, AND POWER SYSTEM ARE DISCLOSED. IN AN EXAMPLE EMBODIMENT, A POWER STORAGE APPARATUS INCLUDES A BATTERY BLOCK COMPRISING A PLURALITY OF BATTERY CELLS AND AN ISOLATING UNIT THAT ENABLES WIRELESS INFORMATION TRANSFER REGARDING BATTERY INFORMATION OF THE BATTERY BLOCK.

No. of Pages: 111 No. of Claims: 17

(21) Application No.5365/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IN SITU DETOXIFICATION OF FERMENTATION INHIBITORS WITH REDUCING AGENTS

## (57) Abstract:

The present invention provides a method for decreasing the fermentation inhibition in a fermentation of cellulose derived material in a fermentor wherein fermentation inhibitory properties of the material subjected to fermentation is decreased by an addition of at least one reducing agent to the fermentor. Further there is provided a method of increasing the fermentability of a fermentation process comprising the steps of measuring the fermentability of the fermentation process and if the fermentability is below a reference value then adding at least one reducing agent to the fermentation process.

No. of Pages: 52 No. of Claims: 6

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: STABLE FORMULATIONS FOR LYOPHILIZING THERAPEUTIC PARTICLES

(51)

International :A61K47/40,A61K47/30,A61K47/36,A61K47/02

classification

(19) INDIA

(31) Priority :61/285722

Document No

(32) Priority :11/12/2009

Date

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

(86)

International :PCT/US2010/059879

Application No :10/12/2010

Filing Date

(87)

International :WO 2011/072218

**Publication No** (61) Patent of Addition to :NA Application :NA Number Filing Date (62) Divisional

to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)BIND BIOSCIENCES

Address of Applicant :64 Sidney Street Cambridge MA 02139

U.S.A.

(72)Name of Inventor:

1)TROIANO Greg 2)ZALE Stephen E. 3)WRIGHT James

4) CHRISTINA VAN GEEN HOVEN

(21) Application No.5367/DELNP/2012 A

5)SONG Young ho

## (57) Abstract:

The present disclosure generally relates to lyophilized pharmaceutical compositions comprising polymeric nanoparticles which upon reconstitution have low levels of greater than 10 micron size particles. Other aspects of the invention include methods of making such nanoparticles.

No. of Pages: 64 No. of Claims: 53

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: BIOPSY PROBE MECHANISM HAVING MULTIPLE ECHOGENIC FEATURES

(51) International classification	:A61B10/02	(71)Name of Applicant :
(31) Priority Document No	:12/645567	1)C.R. BARD INC.
(32) Priority Date	:23/12/2009	Address of Applicant :730 CENTRAL AVENUE, MURRAY
(33) Name of priority country	:U.S.A.	HILL, NJ 07974, U.S.A.
(86) International Application No	:WO/2011/087691	(72)Name of Inventor:
Filing Date	:21/07/2011	1)SEIGER Jason G.
(87) International Publication No	:2011/087691	2)SMITH Jennifer
(61) Patent of Addition to Application Number	:NA	3)CHUDZIK Rafal
Filing Date	:NA	4)SIMPSON Charles
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.5368/DELNP/2012 A

## (57) Abstract:

(19) INDIA

A biopsy probe mechanism (14) includes an elongate sample receiving member (38) having a longitudinal axis and having a sample receiving notch (52). An elongate sample receiving member and a cutting cannula (40) are movable relative to one another along a longitudinal axis between a first relative position (62) and a second relative position (64). A first echogenic feature (68 70 72) is established on the elongate sample receiving member and a second echogenic feature (74 76 78) is established on the cutting cannula. The first echogenic feature is in longitudinal alignment with the second echogenic feature when the elongate sample receiving member and the cutting cannula are in the first relative position. The first echogenic feature is out of longitudinal alignment with the second echogenic feature when the elongate sample receiving member and the cutting cannula are in the second relative position.

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

(21) Application No.5369/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TURBINE STAGE OF A TURBINE ENGINE

(51) International

:F01D11/00,F01D11/08,F01D25/24

classification

(31) Priority Document No :09/06162 :18/12/2009 (32) Priority Date

(33) Name of priority country: France

(86) International Application

No

:PCT/FR2010/052721 :14/12/2010

Filing Date

(87) International Publication

:WO 2011/073570

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

:NA :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SNECMA

Address of Applicant: 2 boulevard du Gnral Martial Valin F

75015 Paris France

2)BERCHE Emmanuel

3)PHILIPPOT Vincent

(72)Name of Inventor:

1)BERCHE Emmanuel

2)PHILIPPOT Vincent

#### (57) Abstract:

The invention relates to a turbine stage for a turbine engine including an impeller rotating inside a sectorised ring (54) made of a composite material supported by a housing (14) each ring sector including a downstream circumferential edge (52) held radially resting on an annular tab (56) which is radially inserted in an annular groove (50) of the downstream circumferential edge (52) of the ring (54) having axial play when cold defined to be cancelled out when hot during operation and to allow sealed axial clamping of the annular tab (56) of the housing (14) in the annular groove (50) of the ring sector.

No. of Pages: 15 No. of Claims: 6

(21) Application No.1301/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :27/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR CHARACTERIZING FOCUSED CHARGED BEAMS

<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>	:H01T :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant: Kanpur Uttar Pradesh 208016 INDIA
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li><li>Filing Date</li></ul>	:NA :NA :NA	(72)Name of Inventor: 1)SUDEEP BHATTACHARJEE 2)SAMIT PAUL
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An apparatus for characterizing a focused charged beam is provided. The apparatus includes a plurality of parallel conducting channels and at least one current sensing unit configured to measure current across each of the plurality of parallel conducting channels.

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

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INSECTICIDAL COMPOSITIONS FOR CONTROLLING HOUSEHOLD PESTS

(51) International classification :A01N (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)INSTITUTE OF PESTICIDE FORMULATION TECHNOLOGY Address of Applicant:SECTOR 20, UDYOG VIHAR, NH-8, GURGAON-122016, Haryana India (72)Name of Inventor: 1)P.K. PATANJALI(SCIENTIST 'G' & CHIEF FORMULATION DEPT., IPFT) 2)SAURABH DUBEY (POST DOCTORAL FELLOW, UGC, CRDT DEPT., IITD) 3)MEGHA PANT (SENIOR RESEARCH FELLOW, FORMULATION DEPT., IPFT) 4)S.K. RAZA (DIRECTOR, IPFT) 5)S.N. NAIK (PROFESSOR, CENTRE FOR RURAL TECHNOLOGY DEVELOPMENT, INDIAN INSTITUTE OF TECHNOLOGY, DELHI)
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#### (57) Abstract:

A novel synergistic insecticidal composition consisting of botanical or botanical waste based (or combination of two) active ingredients derived from naturally occurring plants. These botanical waste based active ingredient generally generated day to day work. Because of the plant origin these active ingredients are non-hazardous to the environment and eco-friendly innovation. Availabilty of these active ingredients is very trouble free and cost of the formulation is inexpensive as compared to market sample. Presence of botanicals makes product totally biodegradable.

No. of Pages: 23 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: LINKED DISPLAY SYSTEM, LINKED DISPLAY METHOD AND PROGRAM

(51) International classification: G06F3/048, G01C21/00, G06F3/14 (71) Name of Applicant: :2009296063 (31) Priority Document No

(32) Priority Date :25/12/2009

(33) Name of priority country :Japan

(86) International Application :PCT/JP2010/070378

:16/11/2010 Filing Date

(87) International Publication :WO 2011/077859

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

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

Filing Date (57) Abstract:

1)SONY CORPORATION

Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075

Japan 2)OHASHI Yoshinori 3)YAMADA Eiju 4)KINOSHITA Akihiko (72)Name of Inventor:

1)OHASHI Yoshinori 2)YAMADA Eiju 3)KINOSHITA Akihiko

Disclosed are a coordinated display system coordinated display method and program capable of improving usability of information having different scale ratios and amounts of information. A portable terminal (100) is provided with a display unit (101) for displaying operation use display information (I1); a range setting unit (105) for setting a predetermined range A including a specified position according to an operation specifying a given position P upon the operation use display information; and a communication unit (109) for transmitting a predetermined range to a television receiving device (200). The television receiving device (200) is provided with a communication unit (209) for receiving a predetermined range from the portable terminal; a display information selection unit (205) capable of displaying from one or more units of reference use display information (I2) corresponding to the operation use display information information corresponding to a predetermined range depending on the display capability of the device itself and for selecting reference use display information having a scale factor and amount of information different from the operation use display information; and a display unit (201) for displaying the information corresponding to the predetermined range among the selected reference use display information.

No. of Pages: 40 No. of Claims: 12

(21) Application No.5372/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

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

(51) International classification	:H04W12/04	(71)Name of Applicant:
(31) Priority Document No	:451/DEL/2010	1)EKO INDIA FINANCIAL SERVICES PVT. LTD.
(32) Priority Date	:02/03/2010	Address of Applicant :547 Mandakini Enclave Alaknanda
(33) Name of priority country	:India	New Delhi 110 019 India
(86) International Application No	:2011/108004	(72)Name of Inventor:
Filing Date	:09/09/2011	1)SINHA Abhinav
(87) International Publication No	:WO/2011/108004	2)SINHA Abhishek
(61) Patent of Addition to Application Number	:NA	3)VARGHESE Anupam
Filing Date	:NA	4)NALDURAG Prasad
(62) Divisional to Application Number	:NA	5)BHASKAR Raghav
Filing Date	:NA	6)PANJWANI Saurabh

## (57) Abstract:

The present invention describes a method for authenticating a user of a mobile device by a verification authority by making use of at least a personal identification number (PIN) and at least one cryptographic key such that the PIN and the cryptographic key is known only to the user and the verification authority. The cryptographic key has at least one session key. Firstly the user encodes the PIN by using at least one session key and then transfers the encoded PIN to a predefined address of the verification authority via the mobile device. Next the verification authority decodes the PIN by using the cryptographic key authenticates the user if the decoded PIN matches a PIN stored corresponding to the user.

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

(21) Application No.5373/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention: A POLYMORPH FORM OF NEVIRAPINE AND ITS PREPARATION

(51) International classification :C07D471/14,A61K31/5513,A61P37/00

(31) Priority Document :2009/08990

No

(32) Priority Date :17/12/2009 (33) Name of priority :South Africa

country

(86) International PCT/IB2010/055808
Application No

Filing Date :14/12/2010

(87) International :WO 2011/073907

:NA

Publication No
(61) Patent of Addition to
:NA

Application Number
Filing Date
(62) Divisional to
Application Number

:NA
:NA
:NA
:NA

Filing Date

(71)Name of Applicant:

1)NORTH WEST UNIVERSITY

Address of Applicant: 1 Hoffman Street Joon van Rooy

Building 2531 Potchefstroom South Africa

2)UNIVERSITY OF CAPE TOWN

(72)Name of Inventor :1)STIEGER Nicole2)LIEBENBERG Wilna

3)CAIRA Mino Rodolfo

#### (57) Abstract:

The invention relates to a metastable unsolvated crystalline form (Form IV) of nevirapine having at least one characteristic x ray powder diffraction peak at approximately  $7.1^{\circ}$  to  $7.5^{\circ}$  two theta. The invention further relates to a preparation method of producing a particulate anhydrous unsolvated form of nevirapine.

No. of Pages: 38 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :03/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : APPARATUS FOR AROMA BASED QUALITY DETECTION OF AROMATIC RICE AND A METHOD THEREOF

		(71)Name of Applicant:
(51) International classification	:G01N	1)Department of Information Technology (DIT) Ministry of
(31) Priority Document No	:NA	Communications & Information Technology
(32) Priority Date	:NA	Address of Applicant :6 CGO Complex Lodhi Road New
(33) Name of priority country	:NA	Delhi 110 003 INDIA
(86) International Application No	:NA	2)Centre for Development of Advanced Computing (C-DAC)
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BHATTACHARYYA Nabarun
(61) Patent of Addition to Application Number	:NA	2)JANA Arun
Filing Date	:NA	3)GHOSH Devdulal
(62) Divisional to Application Number	:NA	4)MUKHERJEE. Subhankar
Filing Date	:NA	5)ROY. Jayanta Kumar
		6)KANJILAL Rabindranath

#### (57) Abstract:

INVENTION RELATES GENERALLY TO APPARATUS AND METHOD QUALITY DETECTION AND MORE PARTICULARLY TO AN APPARATUS AND METHOD FOR AROMA BASED QUALITY DETECTION AND VARIETAL IDENTIFICATION OF AROMATIC RICE. IT COMPRISES A HOLDING MEANS FOR PLACING RICE SAMPLE TO BE TASTED, SAID HOLDING MEANS FITTED WITH A LOCK; A SNIFFING UNIT COMPRISING A SENSOR ARRAY MODULE THAT INCLUDES A PLURALITY OF SEMICONDUCTOR SENSORS ASSEMBLED ON A PRINTED CIRCUIT BOARD, SAID PRINTER CIRCUIT BOARD FITTED INTO A SENSOR CHAMBER; A WATER BATH MODULE FOR PREPARING RICE SAMPLE, SAID WATER BATH MODULE INCLUDING A HEATER ATTACHMENT TO FACILITATE COOKING; A COMPUTING MODULE TO QUANTIFY THE AROMA DATA ACQUIRED BY SAID SENSOR; A DATA ACQUISITION MODULE ETC. ADDITIONALLY, THE MODULAR ARRANGEMENT HELPS IN EASIER UP GRADATION AND MAINTENANCE.

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

(19) INDIA

(22) Date of filing of Application :14/06/2012

(21) Application No.5250/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: TIRE HAVING LOW ROLLING FRICTION

(51) International classification	:B60C11/13	(71)Name of Applicant :
(31) Priority Document No	:0959095	1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:17/12/2009	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 cours Sablon F 63000 Clermont
(86) International Application No	:PCT/EP2010/069880	Ferrand France
Filing Date	:16/12/2010	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2011/073313	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)FLAMENT Julien
Number	:NA	2)LE HEN Fran§ois
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a tire including a tread (1) provided with circumferential grooves (2) defining rows of tread pattern elements that include two edge rows provided with a plurality of transverse grooves (3). A plurality of transverse grooves of an edge row include at least one bearing contact (5) that includes an operative surface (50) capable of making contact with another surface during the transition into contact with the ground. Said tread is characterized in that relationships are set for the sum of the areas of the operative surfaces (50) and for the maximum length LM in the transverse direction of a convex virtual surface that surrounds all the operative surfaces of a transverse groove. There is also at least one passage for a fluid between each bearing contact of a groove and the bottom of said groove. Additionally the mean surface cavity rate Tc for each edge row is at least equal to 0.7 and at most equal to 1.6 times E/R.

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

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

:NA

## (54) Title of the invention: LIQUID DISPENSING CIRCUIT

(51) International classification (31) Priority Document No :2010073415 (32) Priority Date :26/03/2010 (33) Name of priority country :Japan

:PCT/JP2011/055694 (86) International Application No

Filing Date :10/03/2011 (87) International Publication No :WO 2011/118410

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

:A61M39/00,A61M39/02 (71)Name of Applicant :

1)Terumo Kabushiki Kaisha

(21) Application No.5253/DELNP/2012 A

Address of Applicant: 44 1 Hatagaya 2 chome Shibuya ku

Tokyo 1510072 Japan (72)Name of Inventor: 1)KOYAMA Shingo

### (57) Abstract:

Filing Date

(19) INDIA

A liquid dispensing circuit is provided with: a multi way cock (1); a first line; a second line; a third line; a fourth line; a fifth line; and a casing which houses some of the above. When a cock (3) in the multi way cock (1) is located in a priming position a tip opening (334) in a second portion (332) of a first flow channel (33) connects with a first port (P1) and a tip opening (335) in a third portion (333) connects with a second port (P2) thus the first port (P1) and the second port (P2) are in an open state wherein the ports are connected to one another via the first flow channel (33) and a third port a fourth port and a sixth port are in an open state wherein the ports are connected to one another via a second flow channel.

No. of Pages: 70 No. of Claims: 8

(21) Application No.5377/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ENHANCED SERVICE DISCOVERY MECHANISM 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 Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:29/11/2010 :WO 2011/087592 :NA :NA :NA	(71)Name of Applicant:  1)INTEL CORPORATION  Address of Applicant: 2200 Mission College Boulevard MS: RNB 4 150 Santa Clara California 95052 U.S.A.  (72)Name of Inventor:  1)GONG Michelle  2)LI Guoqing
Filing Date	:NA	

### (57) Abstract:

According to various embodiments an apparatus and method are disclosed that are configured to transmit from a controller to associated mobile stations an advertising message including an advertising information element indicative of the establishment of the new association of a new service provider capable of providing at least one particular service.

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

(21) Application No.5378/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR HANDLING AN I/O OPERATION IN A VIRTUALIZATION ENVIRONMENT

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)INTEL CORPORATION
(32) Priority Date	:NA	Address of Applicant :2200 Mission College Boulevard M/S:
(33) Name of priority country	:NA	RNB 4 150 Santa Clara California 95052 U.S.A.
(86) International Application No	:PCT/CN2009/001543	(72)Name of Inventor:
Filing Date	:24/12/2009	1)DONG Yaozu
(87) International Publication No	:WO 2011/075870	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Machine readable media methods apparatus and system for. Method and apparatus for handling an I/O operation in a virtualization environment. In some embodiments a system comprises a hardware machine comprising an input/output (I/O) device; and a virtual machine monitor to interface the hardware machine and a plurality of virtual machines. In some embodiments the virtual machine comprises a guest virtual machine to write input/output (I/O) information related to an I/O operation and a service virtual machine comprising a device model and a device driver wherein the device model invokes the device driver to control a part of the I/O device to implement the I/O operation with use of the I/O information and wherein the device model the device driver and the part of the I/O device are assigned to the guest virtual machine.

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

(21) Application No.2713/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: Systems and Methods of Memory and Access 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></ul>	:G06F :NA :NA :NA	(71)Name of Applicant: 1)VARMA Pradeep Address of Applicant:634 Sector 21 Gurgaon Haryana - 122016 INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VARMA Pradeep
(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 memory and access management system for reducing memory access errors or management errors or runtime errors while dynamically allocating moving or de-allocating memory to one or more objects of an application program is disclosed. The object may have a data part containing one or more values and a pointer part containing one or more pointers. The system may comprise of a heap memory pool that contains a memory space to be assigned to the object of the application program and a processor configured for reading the pointer part of the object.

No. of Pages: 131 No. of Claims: 58

(21) Application No.2714/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A SYNBIOTIC FORMULATION OF SEA BUCKTHORN (HIPPOPHAE RHAMNOIDES L.) BERRIES WITH RADICAL SCAVENGING POTENTIAL

<ul> <li>(51) International classification</li> <li>(31) 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>	:A23L :NA :NA :NA :NA	(71)Name of Applicant:  1)JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY Address of Applicant: Waknaghat Teh Kandaghat Distt. Solan Himachal Pradesh -173 234 India (72)Name of Inventor:
(87) International Publication No	: NA	1)Gargi Dey
(61) Patent of Addition to Application Number	:NA	2)Bharti Negi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a process for the development of a non-dairy probiotic beverage from sea buckthorn berries using Lactobacillus cultures (L. plantarum and L. rhamnosus). The probiotic beverage provided is a novel synbiotic formulation from sea buckthorn berries fortified with whey protein concentrate and containing sufficiently high viable counts of L. plantarum and L. rhamnosus is provided. The fortified formulation of provides a stable food matrix for successful delivery of the probiotic strain.

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

(21) Application No.5262/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: BIOFUELS VIA HYDROGENOLYSIS CONDENSATION

(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	:U.S.A. :PCT/US2010/061248 :20/12/2010 :WO 2011/082001 :NA	(71)Name of Applicant:  1)SHELL OIL COMPANY Address of Applicant: One Shell Plaza P.O. Box 2463 Houston Texas 77252 2463 U.S.A.  2)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. (72)Name of Inventor: 1)CHHEDA Juben Nemchand 2)JOHNSON Kimberly Ann 3)POWELL Joseph Broun
Application Number Filing Date	:NA	
(62) Divisional to		
Application	:NA	
Number	:NA	
Filing Date		

### (57) Abstract:

A method comprises a providing a carbohydrate; reacting the carbohydrate directly with hydrogen in the presence of a hydrogenolysis catalyst to produce a reaction product comprising a polyol; and then processing at least a portion of the reaction product to form a fuel blend

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

(21) Application No.5380/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention : ABSORBENT ARTICLE COMPRISING A MALODOR CONTROL COMPOSITION HAVING AN ACID CATALYST

(51) International

classification

: A 61L 9 / 01, A 61L 101 / 32, C 11D 3 / 00, A 61L 9 / 014

(31) Priority

:61/287369

Document No

(32) Priority Date :17/12/2009

(33) Name of

:U.S.A.

:NA

priority country (86) International

DOTALICA OLI

Application No

:PCT/US2010/060693

Filing Date

:16/12/2010

(87) International Publication No

:WO 2011/084568

(61) Patent of

Addition to Application :NA :NA

Number
Filing Date
(62) Divisional to
Application :NA

Number Filing Date (71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

OH 45202 U.S.A.

(72)Name of Inventor: 1)WOO Ricky Ah Man

2)HORENZIAK Steven Anthony

3)JACKSON Rhonda Jean

4)LIU Zaiyou

5)MALANYAON Michael Vincent Nario

6)OLCHOVY Jason John

7) READNOUR Christine Marie

#### (57) Abstract:

An absorbent article comprising a malodor control composition having at least one volatile aldehyde and an acid catalyst and methods of use thereof are provided. The malodor control composition is suitable for a variety of absorbent articles including use in diapers toddler training pants adult incontinence garments sanitary napkins pantiliners interlabial devices hemorrhoid pads and the like.

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

(21) Application No.5381/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: DEVICE AND METHOD FOR RECOVERING ENERGY

(51) International classification :C12C7/22,C12C7/26,C12C13/00 (71)Name of Applicant:

(31) Priority Document No :10 2009 055 300.2 (32) Priority Date :23/12/2009

(33) Name of priority country :Germany

(86) International Application :PCT/EP2010/007890 No

:22/12/2010 Filing Date

(87) International Publication :WO 2011/076410

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

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

1)KRONES AG

Address of Applicant :Bhmerwaldstrasse 5 93073

Neutraubling Switzerland (72)Name of Inventor:

1)KAMMERLOHER Helmut

### (57) Abstract:

The invention relates to a device and method for recovering energy from a hot medium in particular from hot wort or hot mash for a beer brewery comprising a first heat exchanger device for a heat transfer medium W that is arranged in particular downstream of a device for heating boiling or keeping wort or mash warm and is designed such that the heat transfer medium W can be heated while cooling preferably wort or mash wherein at least one heat consumer of the brewery is heated with said heat transfer medium W. The heat transfer medium W cooled down during heating the heat consumer can be recirculated to the first heat exchanger device (1) in the circuit K.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SHARED PATH RECOVERY SCHEME

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10150018.9	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:04/01/2010	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:EPO	2)CECCARELLI Daniele
(86) International Application No	:PCT/EP2010/051996	3)CAVIGLIA Diego
Filing Date	:17/02/2010	4)FONDELLI Francesco
(87) International Publication No	:WO 2011/079967	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)CECCARELLI Daniele
Number	:NA	2)CAVIGLIA Diego
Filing Date	:NA	3)FONDELLI Francesco
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.5382/DELNP/2012 A

## (57) Abstract:

(19) INDIA

A connection-oriented network (6) has a first working path (W1) and a second working path (W2). A node (E) receives signalling to allocate resources for a part of a recovery path (R1) for the first working path (W1). The resources are shared by the recovery path (R1) for the first working path and a recovery path (R2a) for the second working path (W2). The node (E) stores an association between the shared resources and a node (A) on the first working path, identified in the signalling, which should be notified when the shared resources are used by the recovery path (R2a) for the second working path (W2). An RSVP-TE object in the signalling carries an address of the node to be notified. The node (E) sends an RSVP-TE Notify message to a node (A) on the first working path (W1) which indicates that the shared resources are in use.

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

(21) Application No.1428/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INTERNAL PERMANENT MAGNET MOTOR

(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Adlee Powertronic Co. Ltd.
(32) Priority Date	:NA	Address of Applicant :No.4 Lane 989 Chung Shan Rd. Shen
(33) Name of priority country	:NA	Kang Dist. Taichung City Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ming-Tsung CHU
(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 internal permanent magnet motor includes a rotor having main polar surfaces and inter-polar surfaces that are each formed by connecting circular arcs of a plurality of eccentric circles that are not concentric with the rotor center. As such a technique of adjusting air gap thickness is realized to achieve the purpose of reducing the cogging torque of the motor and regular layered variation of air gap thickness is employed to reduce higher harmonics occurring in the operation of the motor. Further the present invention uses specific air gap thickness of the inter-polar surfaces and maintaining the inter-polar surfaces at a predetermined width to increase the quadrature axis inductance of the motor in order to increase the reluctance torque of the motor and improve torque of the motor.

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

(21) Application No.2723/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SWITCHING MECHANISM FOR LEVER COMBINATION SWITCH

(51) International classification	:H01H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MINDA INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant: Vill. Nawada Fatehpur P.O.
(33) Name of priority country	:NA	Sikanderpur Badda Manesar Distt. Gurgaon Haryana-122004
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Avijit Bose
(61) Patent of Addition to Application Number	:NA	2)Anil Kumar Verma
Filing Date	:NA	3)Shwetaank Sharma
(62) Divisional to Application Number	:NA	4)Arvind Singh
Filing Date	:NA	_

## (57) Abstract:

The present invention provides a switching mechanism for lever combination switch which includes a metallic strip having a first end and a second end. The metallic strip comprises a bend near the first end which is riveted with the casing by means of a floating rivet.

No. of Pages: 27 No. of Claims: 15

(21) Application No.4881/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A CONTAINER CARRIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:23/11/2010 : NA :NA :NA	(71)Name of Applicant:  1)BRITISH POLYTHENE LIMITED  Address of Applicant: One London Wall London EC2Y 5AB United Kingdom. (72)Name of Inventor:  1)BATES Stephen
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a container carrier and to packaging systems for containers and using the same. This invention pertains to carrier stock for machine application to substantially identical containers such as beverage cans having annular chimes cylindrical side walls and frusto-conical walls between the chimes and the side walls. In particular the present invention relates to plastic film having apertures to securely retain drinks cans food cans bottles and similar containers a method of applying the film and the resultant combination.

No. of Pages: 39 No. of Claims: 17

(21) Application No.5269/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: ENZYMATIC WOUND DEBRIDING COMPOSITIONS WITH ENHANCED ENZYMATIC **ACTIVITY**

(51) International :A61K38/48,A61L15/38,A61L26/00 classification

(31) Priority Document No :61/267730

:08/12/2009 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application:PCT/US2010/059409 No

:08/12/2010 Filing Date

(87) International Publication :WO 2011/071986

(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)HEALTHPOINT LTD.

Address of Applicant :3909 Hulen St. Forth Worth TX 76107

(72)Name of Inventor:

1)SHI Lei

2)JOVANOVIC Aleksa

3)AUST Duncan

### (57) Abstract:

The present invention is directed to topical enzymatic wound debriding compositions with enhanced enzymatic activity. These compositions comprise a dispersed phase comprising at least one proteolytic enzyme and at least one hydrophilic polyol; and a continuous phase comprising a hydrophobic base.

No. of Pages: 48 No. of Claims: 36

(19) INDIA

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: APPARATUS FOR COPRODUCTING ISO TYPE REACTION PRODUCTS AND ALCOHOLS FROM OLEFINS AND METHOD FOR COPRODUCTING THEM USING THE APPARATUS

(71)Name of Applicant: 1)LG CHEM LTD. (51) International :C07C45/50.C07C29/16.C07C45/82 Address of Applicant :20 Yoido dong Youngdungpo gu Seoul classification 150 721 Republic of Korea (31) Priority Document No :1020100067688 2)HONG Moo Ho (32) Priority Date :14/07/2010 3)KO Dong Hyun (33) Name of priority country: Republic of Korea (86) International Application :PCT/KR2011/005046 4)EOM Sung Shik 5)CHOE Yong Jin No :11/07/2011 6)KWON O Hak Filing Date (87) International Publication :WO 2012/008717 7)KIM Dae Chul 8)CHOI Jae Hui (72)Name of Inventor: (61) Patent of Addition to :NA 1)HONG Moo Ho Application Number :NA 2)KO Dong Hyun Filing Date (62) Divisional to Application :NA 3)EOM Sung Shik 4)CHOE Yong Jin Number 5)KWON O Hak :NA Filing Date

### (57) Abstract:

The present invention relates to an apparatus for coproducting iso type reaction product and alcohol from olefin and a method for coproducting using the apparatus in which the hydroformylation reactor provides a sufficient reaction area due to the broad contact surface area between the olefin and the synthesis gases that are the raw materials by a distributor plate installed in the reactor and the raw materials can be sufficiently mixed with the reaction mixture due to the circulation of the reaction mixture so that the efficiency of the production of the aldehyde is excellent; and also the hydrogenation reactor suppresses the side reaction so that the efficiency for producing aldehyde and alcohol are all increased and also iso type reaction product and alcohol can be efficiently co produced.

6)KIM Dae Chul 7)CHOI Jae Hui

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

(21) Application No.5270/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention : MIXTURE OF NON AROMATIC SOLVENTS PREPARATION METHOD THEREOF AND USE OF SAME FOR PRINTING INKS AND VARNISHES

(51) International classification:C09D11/02,B41M1/0(31) Priority Document No:0959019(32) Priority Date:15/12/2009(33) Name of priority country:France(86) International Application No:PCT/IB2010/055832

Filing Date :15/12/2010 (87) International Publication No :WO 2011/073920

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

:C09D11/02,B41M1/06 (71)Name of Applicant :

1)TOTAL RAFFINAGE MARKETING

Address of Applicant :24 Cours Michelet F 92800 Puteaux

France

(72)Name of Inventor:

1)PINEDA DOMINGO Joan 2)QUERA PEREZ Cesar 3)WESTELYNCK Antoine

#### (57) Abstract:

The present invention relates to mixtures of non aromatic solvents that can be used for the manufacture of printing inks and varnishes in particular for planographic printing (or offset printing). These mixtures of solvents comprise from 80 to 99.5 wt. % low aromatic hydrocarbon oil and from 0.5 to 20 wt. % a composition predominantly formed by saturated and/or unsaturated C16 to C22 monocarboxylic fatty acids optionally mixed with resin acids (unsaturated polycyclic in particular tricyclic monocarboxylic acids).

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

(21) Application No.5271/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: BIODEGRADABLE LUBRICATING COMPOSITION AND USE THEREOF IN A DRILLING FLUID IN PARTICULAR FOR VERY DEEP RESERVOIRS

(51)

International :C10M169/04.C09K8/34.C10N20/02.C10N30/02

classification

(31) Priority :09 59 018

Document No

(32) Priority :15/12/2009 Date

(33) Name of priority country

:France

(86)

International :PCT/IB2010/055791

Application No :14/12/2010

Filing Date

(87)

International :WO 2011/073893

:NA

**Publication No** (61) Patent of Addition to :NA **Application** :NA Number Filing Date (62) Divisional to Application :NA

Filing Date

(71)Name of Applicant:

1)TOTAL RAFFINAGE MARKETING

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France

(72)Name of Inventor:

1)ESPAGNE Bernard Jean Luc 2)LAMRANI KERN Samia 3)RODESCHINI HI"ne

## (57) Abstract:

Number

The present invention relates to a biodegradable lubricating composition intended in particular for being included as an oily phase having high lubricating power in a drilling fluid or mud. Said composition can be used in a drilling fluid or as a fracturing fluid for underground formations. Said muds or fluids containing the composition of the present invention are especially suitable for very deep drilling offshore deep water drilling and/or directional drilling or extended reach drilling.

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

(22) Date of filing of Application :14/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHODS FOR IMPROVING ORAL DELIVERY

(51) International :A61K47/42,A61K38/00,C07K19/00 classification

(31) Priority Document No :2009905632 (32) Priority Date :18/11/2009 (33) Name of priority

:Australia country

(86) International

(19) INDIA

:PCT/US2010/057295 Application No

:18/11/2010 Filing Date

(87) International Publication: WO 2011/063160

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

(71)Name of Applicant:

(21) Application No.5272/DELNP/2012 A

1)MURRAY GOULBURN CO OPERATIVE CO.LIMITED

Address of Applicant :140 Dawson Street Brunswick Victoria

3056 Australia

2)AGRICULTURE VICTORIA SERVICES PTY LTD

(72)Name of Inventor:

1)MCDONAGH Matthew

2)TESTER Angus

3)COCKS Benjamin 4)CRITTENDEN Ross

5)WANG Jianghui

### (57) Abstract:

The invention provides a method of improving the oral delivery of a therapeutic agent comprising the step of linking the therapeutic agent to a carrier protein comprising angiogenin fusion proteins or conjugates comprising angiogenin and a therapeutic agent and their use in medicine.

No. of Pages: 42 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: INJECTION PEN WITH DIAL BACK AND LAST DOSE 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</li></ul>	:A61M5/00 :61/265562 :01/12/2009 :U.S.A. :PCT/US2010/003059	(71)Name of Applicant:  1)BECTON DICKINSON AND COMPANY Address of Applicant: David M. Fortunato 1 Becton Drive Franklin Lakes New Jersey 07417 U.S.A. (72)Name of Inventor:
		1

(21) Application No.5274/DELNP/2012 A

#### (57) Abstract:

A medication injection pen is provided comprising a housing (218) for housing a dose set knob (220) a leadscrew (226) a driver (224) a setback member (222) and a dose stop member (228). The dose set knob (220) is rotatable with respect to said housing (218) to set a desired injection dose and comprises at least one internal thread (291). The leadscrew (226) includes a thread element by which it is advanceable in a first direction via a corresponding thread engagement said first direction being that which expels medication from a cartridge (36). The driver (224) is rotationally fixed to said leadscrew (226) for preventing relative rotation therebetween said driver (224) being rotatable in a first direction to rotate and advance said leadscrew (226) in said first direction. The setback member (222) is rotationally fixed to said driver (224) for preventing relative rotation therebetween.

No. of Pages: 81 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR PERFORMING ASSAYS

:G01N33/53,G01N33/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)CYVEK INC. :61/263572 (32) Priority Date :23/11/2009 Address of Applicant: 2 Barnes Industrial Road South (33) Name of priority country :U.S.A. Wallingford CT 06492 U.S.A. 2)PUTNAM Martin Andrew (86) International Application No :PCT/US2010/057860 Filing Date :23/11/2010 3)KERSEY Alan D. (87) International Publication No :WO 2011/063408 (72)Name of Inventor: (61) Patent of Addition to Application 1)PUTNAM Martin Andrew :NA 2)KERSEY Alan D.

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

# (57) Abstract:

An apparatus is provided for performing an chemical biochemical or biological assay on a sample comprising: a microfluidic assay cartridge (1) that contains at least one sample inlet well (2) configured to receive a sample; and a microfluidic sub unit (3) associated with the microfluidic assay cartridge (1) and comprising microfluidic channels (8) micro valves (4 4a 9) and at least one separate and fluidicly isolated isolation channel (5) and at least one hollow element (14); the at least one hollow element (14) being functionalized with a capture moiety or molecules (15) so as to form at least one reaction vessel (19); the microfluidic channels (8) and micro valves (4 4a 9) configured to respond to signaling containing information about performing the assay and to controllably receive the sample and at least one reagent in the at least one reaction vessel (19) and to provide from the at least one reaction vessel (19) light containing information about the assay performed on the sample inside the at least one reaction vessel (19) as a result of said at least one reagent.

No. of Pages: 64 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BEVERAGE DISPENSING UNIT INCLUDING VENTURI FLOW MIXERS

(51) I	A 477	
(51) International classification	:A4/J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)THE CONCENTRATE MANUFACTURING COMPANY
(32) Priority Date	:NA	OF IRELAND
(33) Name of priority country	:NA	Address of Applicant :Corner House 20 Parliament Street
(86) International Application No	:NA	P.O. Box HM 2090 Hamilton HMHX Bermuda
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANAND ARORA
(61) Patent of Addition to Application Number	:NA	2)GURMEET SINGH BHUTANI
Filing Date	:NA	3)RAHUL SADASHIV KAMBLE
(62) Divisional to Application Number	:NA	4)TANMAYA VATS
Filing Date	:NA	

### (57) Abstract:

A beverage dispensing unit for preparing and dispensing beverages includes multiple storage units with powders or liquid concentrates to be mixed with water. Each concentrate storage unit is connected to a venturi device at a position in which a downwardly facing outlet of the storage unit is below the venturi device. The concentrate begins to flow from the storage unit by virtue of gravity and with the aid of suctioning effects from the venturi device as well as a dispenser outlet of reduced diameter into a diverging portion of a venturi device to be thoroughly mixed. A plunger within the venturi device provides for precise control over the amount of concentrate mixed within the device while a non-return valve directly adjacent to the venturi device further controls the concentrate flow. The plunger further assists in the sanitary cleaning of the mixing line of the venturi device.

No. of Pages: 41 No. of Claims: 23

(21) Application No.2497/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: BACK PART STRUCTURE OF BODY IN SADDLE-RIDE TYPE VEHICLE

(51) International classification	:B62J	(71)Name of Applicant:
(31) Priority Document No	:2011- 175887	1)HONDA MOTOR CO. LTD. Address of Applicant :1-1 Minami-Aoyama 2-chome Minato-
(32) Priority Date	:11/08/2011	ku Tokyo 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MITSURU TERADA
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 A BACK PART STRUCTURE OF A BODY IN A SADDLE-LIKE TYPE VEHICLE, A LIGHT DEVICE SUCH AS A LICENSE LAMP CAN BE EFFICIENTLY INSTALLED ON A TAIL END FENDER EXTENDING DOWNWARD FROM THE BACK PART OF THE BODY. [SOLUTION] THIS BACK PART STRUCTURE INCLUDES A LAMP PEDESTAL 65 FORMED AS A. SEPARATE BODY FROM THE TAIL END FENDER 42 AND INTERPOSED BETWEEN THE TAIL END FENDER 42 AND THE LIGHT DEVICE, WHEREIN THE LAMP PEDESTAL 65 IS FORMED IN THE SHAPE OF A CONTAINER OPENED FORWARD, THE TOP OF THE TAIL END FENDER 42 IS PROVIDED WITH A RECESSED PART 51 DISPLACING FORWARD TO THE AFTERMOST FACE 42A THEREOF, RIBS 54 FOR REINFORCING THE TOP OF THE TAIL END FENDER 42 IS FORMED ON THE BOTTOM WALL 52 OF THE RECESSED PART 51, AND THE RIBS 54 ARE COVERED BY THE LAMP PEDESTAL 65 FROM THE REAR.

No. of Pages: 34 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PROCESS AND PLANT FOR BUILDING GREEN TYRES FOR VEHICLE WHEELS

(51) International classification	:B29D30/00	(71)Name of Applicant:
(31) Priority Document No	:MI2009A002270	1)PIRELLI TYRE S.P.A.
(32) Priority Date	:22/12/2009	Address of Applicant : Viale Sarca 222 I 20126 Milano,
(33) Name of priority country	:Italy	ITALY
(86) International Application No	:PCT/IB2010/003337	(72)Name of Inventor:
Filing Date	:21/12/2010	1)MANCINI Gianni
(87) International Publication No	:WO 2011/077236	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.5298/DELNP/2012 A

#### (57) Abstract:

(19) INDIA

There are disclosed a plant and a process for building different types of green tyres for vehicle wheels for each tyre size through the use of elementary semi finished products the process comprising: a) building a carcass structure of a green tyre said carcass structure comprising at least one carcass ply and a pair of annular anchoring structures; b) building a crown structure of a green tyre said crown structure comprising at least one belt structure and a tread band; wherein at least one between the building of the carcass structure and the building of the crown structure comprises: c) providing at least one first feeding unit (12) of a first elementary semi finished product and one second feeding unit (12) of a second elementary semi finished product said at least one first and one second elementary semi finished products being different to one another; d) building at least one portion of a structural component of the tyre being processed starting from at least one of said first and second elementary semi finished products in one work station fed by said first and second feeding units of said first and second elementary semi finished products.

No. of Pages: 46 No. of Claims: 38

(21) Application No.5407/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : VARIABLE WIDTH CENTRING SYSTEM PREVENTING THE FORWARD AND BACKWARD MOVEMENT OF A TRUCK FOR LOADING BAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B65G69/00 :P 201030118 :29/01/2010 :Spain :PCT/ES2010/070783 :29/11/2010 :WO 2011/092356 :NA	(71)Name of Applicant: 1)AMISERRU S.L. Address of Applicant: Avda.Madrid 122 E 08190 Sant Cugat del Valls (Barcelona) Spain (72)Name of Inventor: 1)IGLESIAS BALLESTER Miguel Angel
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The system comprises at least one longitudinal guide that is independent of the loading bay and disposed on one side of the vertical mid plane of the loading bay facing the plane defined by the loading bay and associated with actuating means that trigger the lateral movement thereof forming a reference for guiding the truck as it is manoeuvred towards the loading bay. At least one of the longitudinal guides comprises a vertical post including illuminated signalling means and detectors for detecting the height and width of the truck approaching the loading bay as well as moveable wedges associated with actuating means for blocking the truck in the loading bay.

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

(71)Name of Applicant:

1)NUOVO PIGNONE S.p.A.

Address of Applicant: Via Felice Matteucci 2 I 50127

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR DIAGNOSING COMPRESSORS

:NA

:NA

:NA

(51) International classification :G05B23/02 (31) Priority Document No :CO2009A000068 (32) Priority Date :19/12/2009 (33) Name of priority country :Italy (86) International Application No :PCT/US2010/055610 Filing Date :05/11/2010 (87) International Publication No :WO 2011/075233 (61) Patent of Addition to Application :NA

Florence Italy 2)BONISSONE Piero Patrone 3)HU Xiao 4)BIANUCCI David 5)SALUSTI Lorenzo 6)FABBRI Alessio 7)XUE Feng 8)AVASARALA Viswanath 9)MOCHI Gianni 10)PIERI Alberto (72)Name of Inventor: 1)BONISSONE Piero Patrone 2)HU Xiao 3)BIANUCCI David 4)SALUSTI Lorenzo 5)FABBRI Alessio 6)XUE Feng

7)AVASARALA Viswanath

8)MOCHI Gianni 9)PIERI Alberto

(57) Abstract:

Filing Date

Filing Date

(62) Divisional to Application Number

Method system and computer software for diagnosing a compressor. The method includes generating a feature vector of the compressor the feature vector of the compressor including components describing states of various parts of the compressor; determining based on fuzzy constraints an aggregated anomaly vector corresponding to the feature vector; defining rules for a preset list of possible faults/failure modes of the compressor; calculating a corroborating measure between the aggregated anomaly vector and the rules; and identifying a fault/failure mode of the compressor based on a result of the corroborating measure.

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

(21) Application No.5402/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SEPARATION OF COOPER MINERALS FROM PYRITE USING AIR METABISULFITE 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</li> </ul>	:B03D1/02 :61/266770 :04/12/2009 :U.S.A. :PCT/IB2010/003538 :03/12/2010 :WO 2011/067680 :NA :NA	(71)Name of Applicant:  1)BARRICK GOLD CORPORATION  Address of Applicant: Bee Place Canada Trust Tower 161 Bay Street Suite 3700 Toronto Ontario M5J 2S1 Canada  2)GORAIN Barun  (72)Name of Inventor:  1)GORAIN Barun
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Embodiments of the present invention are directed to flotation of sulfidic materials following aerating by an oxidizing gas and contacting by a sulfoxy reagent.

No. of Pages: 38 No. of Claims: 28

(19) INDIA

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

:NA

### (54) Title of the invention: COUPLING FOR ROTOR BALANCING

(51) International classification :F01D5/02,F01D25/28 (31) Priority Document No :CO2009A000062 (32) Priority Date :10/12/2009 (33) Name of priority country :Italy (86) International Application No :PCT/EP2010/069248 Filing Date :09/12/2010 (87) International Publication No :WO 2011/070100 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

(71)Name of Applicant :1)NUOVO PIGNONE S.P.A.

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3)CASADIO Stefano
4)BALLERINI Giovanni
5)GROSSI Adriano
(72)Name of Inventor:
1)CASADIO Stefano
2)BALLERINI Giovanni
3)GROSSI Adriano
4)PALOMBA, SERGIO

(21) Application No.5403/DELNP/2012 A

#### (57) Abstract:

Filing Date

Systems devices and methods according to these exemplary embodiments provide couplings or interfaces usable for example in the high speed balance testing of rotors. A coupling (40) includes a main body portion (46) having an extended thin portion (51) therein which is configured to fit a shaft (55) of the balancing machine and an extended insert portion (42) which is configured to fit an opening (32) in the rotor (30). A plurality of connection elements (48) is disposed m holes in the main body portion (46) of the coupling (40) and a ring (44) is disposed over the extended insert (42) and proximate exits of the holes in the main body portion (46).

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

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: BRANCHED CHAIN FATTY ACIDS AND BIOLOGICAL PRODUCTION THEREOF

(51) International classification:C12N15/70,C12P7/64,C12N15/52 (71)Name of Applicant:

:61/289039 (31) Priority Document No (32) Priority Date :22/12/2009

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

(86) International Application :PCT/US2010/061544

:21/12/2010 Filing Date

(87) International Publication

:WO 2011/087787

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

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

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72)Name of Inventor: 1)SAUNDERS Charles Winston

2)XU Jun

3) GREEN Phillip Richard

4)CODY David Blair

5)KHAMBATTA Zubin Sarosh

### (57) Abstract:

A method for producing anteiso fatty acid is provided. The method comprises culturing a cell comprising at least one exogenous or overexpressed polynucleotide comprising a nucleic acid sequence encoding a polypeptide that catalyzes at least one of the following reactions: conversion of pyruvate to citramalate; conversion of citramalate to citraconate; conversion of citraconate to methyl D malate; conversion of methyl D malate to 2 oxobutanoate; or conversion of threonine to 2 oxobutanoate under conditions allowing expression of the polynucleotide(s) and production of anteiso fatty acid. Optionally the cell further comprises at least one exogenous or overexpressed polynucleotide comprising a nucleic acid sequence encoding a polypeptide that catalyzes conversion of 2 oxobutanoate to 2 aceto 2 hydroxy butyrate conversion of 2 aceto 2 hydroxy butyrate to 2 3 dihydroxy 3 methylvalerate and/or conversion of 2 3 dihydroxy 3 methylvalerate to a keto 3 methylvalerate. A cell that produces anteiso fatty acid and a method of using the cell to produce anteiso fatty acid also are provided.

No. of Pages: 163 No. of Claims: 43

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

(21) Application No.5405/DELNP/2012 A

# (54) Title of the invention: SINGLE PHASE OPTICAL CURRENT TRANSFORMER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G01R15/24 :2009288765	(71)Name of Applicant: 1)HITACHI LTD.
(32) Priority Date	:21/12/2009	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:Japan :PCT/JP2010/072827	Tokyo 1008280 Japan 2)TOKO ELECTRIC CORPORATION
Filing Date	:13/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/078096	1)ZHANG Wei
(61) Patent of Addition to Application	:NA	2)YAMAGUCHI Tatsushi
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a single phase optical current transformer which reliably measures large electrical currents can be economically manufactured in a compact size and has a simple assembly operation. An installation base is securely attached to part of the outer peripheral surface of a cylindrical container (1) which has an electrical conductive body (2) arranged thereinside and a case which stores a Faraday effect member is detachably secured to the installation base. The Faraday effect member (10) is constructed by using two optical fibers (24A 24B) having prescribed dimensions to provide first and second optical paths (11A 11B) maintained in parallel with a predetermined interval therebetween and arranged so as to intersect the axial direction of the electrical conductive body (2) and by providing a mirror surface (12) which reflects linearly polarized light at one end surface of each optical fiber. Linearly polarized light from the same light source falls incident on each of the first and the second optical paths (11A 11B) and current flowing in the electrical conductive body (2) is measured from the Faraday rotation angle of the linearly polarized light reflected and returned by the mirror surface (12).

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

(21) Application No.2709/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: WIRE WOUND RESISTORS FOR SURGE PROTECTION

(51) International classification	.поэп	(71)Nome of Applicant
	:NA	(71)Name of Applicant:
(31) Priority Document No		1)LANDIS+GYR LIMITED
(32) Priority Date	:NA	Address of Applicant :C-48, SECTOR 57, NOIDA, UTTAR
(33) Name of priority country	:NA	PRADESH, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SINGHVI, SHALU
(87) International Publication No	: NA	2)MISHRA, ANUKRAM
(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 special wire wound resistors for surge protection. The present invention also provides a method of surge protection without using metal oxide varistors which are not reliable and degrade with time and exposure to transients.

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

(21) Application No.5245/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEM FOR THE ELECTRONIC MANAGEMENT OF PHOTOVOLTAIC CELLS AS A FUNCTION OF METEOROLOGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G05F1/67 :09 58 900 :11/12/2009 :France :PCT/IB2010/055757 :10/12/2010 :WO 2011/070548 :NA :NA :NA	(71)Name of Applicant:  1)TOTAL S.A.  Address of Applicant: 2 Place Jean Millier La Dfense 6 F  92400 Courbevoie France  2)CENTRE NATIONAL DE LA RECHERCHE  SCIENTIFIQUE  (72)Name of Inventor:  1)ALONSO Corinne  2)BERASATEGI Alona  3)CABAL Cdric  4)ESTIBALS Bruno  5)PETIBON Stphane  6)VERMEERSCH Marc
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# (57) Abstract:

The invention relates to a system for the electronic management of a photovoltaic generator said system comprising a plurality of n static converters (11 12 13) connected in parallel each converter (11 12 13) being electrically connected to at least one photovoltaic cell (10) of the generator. The number of converters connected is varied by varying the photovoltaic power by comparing the generated power to thresholds P1 P2 ... Pn 1 after a time delay t. The invention also relates to a generator comprising said system and to the associated control method.

No. of Pages: 37 No. of Claims: 16

(21) Application No.5246/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : REFRACTIVE INDEX MATCHED PHOSPHORS AND SUBSTRATES FOR SECURITY APPLICATIONS

(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
:B42D15/00,C09K11/08
:61/287447
:17/12/2009
:U.S.A.
:PCT/US2010/060191
:14/12/2010
:WO 2011/084401

(61) Patent of Addition to Application
Number
:NA

Filing Date

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

:B42D15/00,C09K11/08 (71)**Name of Applicant :** 

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant: 101 Columbia Road Morristown NJ

07962 U.S.A.

(72)Name of Inventor:

1)KANE James

2)RAPOPORT William Ross

3)LAU Carsten

#### (57) Abstract:

Phosphor compositions are provided that can be incorporated into or onto plastic substrates as covert security features. The plastic substrates can be transparent and the phosphor compositions have a refractive index that effectively matches the refractive index of the plastic substrate to maintain the transparency. The phosphor compositions have absorption in the infrared thus enabling excitation and detection of the compositions with an infrared emitting source.

No. of Pages: 18 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date: 07/03/2014

(21) Application No.5416/DELNP/2012 A

## (54) Title of the invention: TELESCOPING TUBE FOR TRANSFERRING FUEL

(51) International classification	:B64D39/06	(71)Name of Applicant :
(31) Priority Document No	:P200931183	1)EADS CONSTRUCCIONES AERONAUTICAS S.A.
(32) Priority Date	:17/12/2009	Address of Applicant :Avda. de Arag³n 404 E 28022 Madrid
(33) Name of priority country	:Spain	Spain
(86) International Application No	:PCT/ES2010/070843	2)FERN NDEZ CALVI'O Ricardo
Filing Date	:17/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/073493	1)FERN NDEZ CALVI'O Ricardo
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A telescoping tube (42) for fuel transfer operations this tube (42) comprising a fixed part (41) and a moving part (40) such that this moving part (40) comprises in turn means for dynamic sealing (21) which guarantee the sealing of the moving part (40) against the fixed part (41) means of cushioning (22) which absorb the energy of the impact of the moving part (40) against the fixed part (41) in operations for extending and retracting the tube (42) and means of protection (23) against electrical discharges which earth the moving part (40) to the fixed part (41) the aforementioned means (21 22 and 23) all being incorporated in a single unit in the moving part (40) of the telescoping tube (42) hence providing the aforementioned moving part (40) with all the aforementioned characteristics in a compact form with the minimum weight and length. Additionally the invention relates to an in flight refuelling system for a tanker aeroplane to carry out in flight fuel transfer operations to a receiving aircraft which comprises a telescoping tube (42) with the abovementioned characteristics.

No. of Pages: 17 No. of Claims: 15

(21) Application No.5417/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention: SUBSTITUTED BENZOTHIAZOLE AND BENZOXAZOLE DERIVATIVES USEFUL AS **INHIBITORS OF DPP 1**

(51) International

:C07D263/58,C07D277/82,C07D413/12

classification

(31) Priority Document :61/287878

(32) Priority Date :18/12/2009 (33) Name of priority

country

(86) International :PCT/US2010/060981

Application No Filing Date

:17/12/2010

:U.S.A.

(87) International

:WO 2011/075631 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)JANSSEN PHARMACEUTICA NV

Address of Applicant :Turnhoutseweg 30 B 2340 Beerse

Belgium

(72)Name of Inventor:

1)JORDAN Alfonzo D.

2) DESJARLAIS Renee L. 3)HLASTA Dennis J.

4)PARKER Michael H.

5)SCHUBERT Carsten 6) WHITE Kimberly B.

(57) Abstract:

The present invention is directed to substituted benzothiazole and benzoxazole derivatives pharmaceutical compositions containing them and their use in the treatment of disorders and conditions modulated by DPP 1.

No. of Pages: 74 No. of Claims: 16

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: METHOD FOR DESIGNATING A TARGET FOR A WEAPON HAVING TERMINAL GUIDANCE VIA IMAGING

(21) Application No.5418/DELNP/2012 A

<ul> <li>(51) International classification</li> <li>(31) 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>	:0906174 :18/12/2009 :France	(71)Name of Applicant: 1)THALES Address of Applicant: 45 rue de Villiers F 92200 Neuilly sur Seine France (72)Name of Inventor: 1)PAYOT Etienne
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number		1)PAYOT Etienne
Filing Date	:NA	

#### (57) Abstract:

(19) INDIA

The invention relates to a method for designating a target in an area which is intended for a weapon having terminal guidance via imaging by means of an airborne optronic system including an imager associated with geopositioning means and a processing unit. Said method includes the steps of: acquiring an image of the area from the imager of the system and geopositioning said image by the geopositioning means extracting an orthoimage of the geopositioned area from a database referred to as the reference virtual image designating the position of the target in the reference virtual orthoimage extracting primitives about the position of the target position referred to as virtual primitives determining the position of the target relative to said virtual primitives and transferring the virtual primitives and the target position to the weapon terminal guidance via imaging.

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

(19) INDIA

(22) Date of filing of Application :23/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEM AND METHOD TO PREVENT SHIFT HUNTING IN A POWERTRAIN

## (57) Abstract:

A method for preventing shift hunting in a powertrain including an engine and a transmission having a variator a first gearset and a second gearset is disclosed. The method includes operating the engine at a first substantially constant speed detecting a shift condition and operating the engine at a second substantially constant speed as a function of detecting the shift condition. The second speed is different than the first speed.

No. of Pages: 23 No. of Claims: 14

(21) Application No.2695/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL CELLULOLYTIC ENZYMES AND THEIR CHIMERA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:C12N :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY Address of Applicant: ICGEB CAMPUS, P.O. BOX 10504, ARUNA ASAF ALI MARG, NEW DELHI-110067, India (72)Name of Inventor: 1)SYED SHAMS YAZDANI 2)NIDHI ADLAKHA
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## (57) Abstract:

The present invention relates to novel cellulolytic enzymes and their chimera for hydrolysis of lignocellulosic biomass. The present invention also relates to the construction of bifunctional chimeric proteins based on Endo5A and Gluc1C varying in the orientation and the size of linkers.

No. of Pages: 61 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :07/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: POSITIONING AND/OR HOLDING A PLURALITY OF LINE SECTIONS OF ELECTRIC LINES ALONG A DRIVE WAY OF A VEHICLE

(51) International classification: B60L5/00,E01B21/00,B60M1/34 (71)Name of Applicant: (31) Priority Document No :0922465.0 (32) Priority Date :21/12/2009 (33) Name of priority country :U.K. (86) International Application :PCT/EP2010/007989 :21/12/2010

Filing Date :WO 2011/076437

(87) International Publication

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

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

1)BOMBARDIER TRANSPORTATION GMBH

Address of Applicant :Schneberger Ufer 1 10785 Berlin

Germany

(72)Name of Inventor:

1)WORONOWICZ Konrad

2)BAADE Michael

3)SIEDMIOGRODZKI Kris

### (57) Abstract:

The invention relates to a shaped block (304) for positioning and/or holding a plurality of line sections (310) of one or more electric lines along the track of a vehicle wherein the shaped block (304) comprises a plurality of recesses (315) and/or projections wherein edges of the recesses (315) and/or the projections each delimit a space for the line sections (310) into which one of the line sections (310) can be introduced so that said line section extends through the space in a longitudinal direction of the space and wherein the longitudinal directions of the spaces delimited by the edges of the recesses (315) and/or by the projections extend essentially mutually parallel in a common plane.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: IDENTIFICATION OF BEVERAGE INGREDIENT CONTAINING CAPSULES

(51) International classification (31) Priority Document No	:A47J31/36,B65D85/804 :09180092.0	(71)Name of Applicant: 1)NESTEC S.A.
(32) Priority Date (33) Name of priority country	:21/12/2009 :EPO	Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland
(86) International Application No	:PCT/EP2010/070266	2)OZANNE Matthieu
(87) International Publication No	:WO 2011/076748	(72)Name of Inventor:
Number	:NA :NA	1)OZANNE Matthieu 2)VUAGNIAUX Didier
(62) Divisional to Application Number	:NA ·NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)OZANNE Matthieu

(21) Application No.5420/DELNP/2012 A

### (57) Abstract:

(19) INDIA

The invention concerns a beverage production system comprising beverage ingredient containing capsules (1) comprising an identification member (6) and a beverage production machine for receiving said capsules said machine comprising: contact means (8) for physically contacting the capsule identification member (6) in order to read information thereof and control means connected to the contact means and designed to control the operation of the beverage production machine (11) in response to the read information the contact means (8) comprising: at least one displaceable probe (81) which mechanically contacts the capsule identification member (6) a resilient support member (82) in contact with the probe on one side and associated to a circuitry (9) on its other side the parts of said resilient support member in contact with the probe presenting a shape able to be deformed discrete conductive parts (121) between the resilient support member (82) and the circuitry (9) wherein the contact means (8) comprises a waterproof material layer (12) between the resilient support member (82) and the discrete conductive parts (121).

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

(19) INDIA

(22) Date of filing of Application :05/04/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention : Development of secretory expression based DNA vaccine against epsilon -toxin of Clostridium perfringens

(51) International classification	:C12N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF IMMUNOLOGY
(32) Priority Date	:NA	Address of Applicant : Aruna Asaf Ali Marg New Delhi 110
(33) Name of priority country	:NA	067 INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Neeraj Sharma
(87) International Publication No	: NA	2)Sachin Kumar Deshmukh
(61) Patent of Addition to Application Number	:NA	3)Himani Kaushik
Filing Date	:NA	4)Prithy Rupa
(62) Divisional to Application Number	:NA	5)Deepika Dayal Mathur
Filing Date	:NA	6)Lalit Chander Garg

#### (57) Abstract:

The present invention provides a secretory expression based DNA vaccine comprising a recombinant epsilon toxin (Etx) gene of seq ID 1 encoding a 31 kDa antigen of C. perfringens. The recombinant Etx gene of seq ID 1 is expressed in an eukaryotic expression vector. The eukaryotic expression vector is a pDisplay for the secretory expression of the antigen. The DNA vaccine acts as an immunogen and elicits cell mediated immune response. Further, the DNA vaccine elicits neutralizing antibody protective against Clostridium perfringens Etx in vitro and in vivo.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: CONDUCTIVE ROLLER AND MANUFACTURING METHOD THEREOF

(51)International :G03G15/08,G03G15/00,G03G15/02,G03G15/16

classification

(19) INDIA

(31) Priority :2009284339

Document No

(32) Priority :15/12/2009 Date

(33) Name of

:Japan

priority country

(86)

International :PCT/JP2010/072571 Application No :15/12/2010

Filing Date

(87)

International :WO 2011/074610

:NA

**Publication No** (61) Patent of Addition to :NA Application :NA Number Filing Date (62) Divisional to Application :NA

Filing Date

(71)Name of Applicant:

1)BRIDGESTONE CORPORATION

(21) Application No.5410/DELNP/2012 A

Address of Applicant :10 1Kyobashi 1 chome Chuo ku Tokyo

1048340 Japan

(72)Name of Inventor: 1)TAGAWA Hirotaka 2)TAKANO Junichi 3)YOSHIMURA Izumi 4)SIRAKURA Daijirou

(57) Abstract:

Number

Disclosed is a conductive roller during manufacture of which dripping of coating material and in particular of a water based coating material is suppressed; also disclosed is a manufacturing method thereof. The conductive roller is provided with a shaft (1) at least one elastic layer (2) formed on the outer circumference of the shaft (1) and a surface layer (3) formed on the outer circumference of the elastic layer (2). The elastic layer (2) is formed using an elastic layer coating material containing a liquid absorbing agent and the surface layer (3) is formed using a surface layer coating material. The conductive roller manufacturing method involves an elastic layer forming step (A) in which the elastic layer coating material containing a liquid absorbing agent is applied to the outer circumference of the shaft and a surface layer forming step (B) in which after the elastic layer forming step (A) the surface layer coating material is applied on top of the formed elastic layer and is dried to form the surface layer.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: A SYSTEM AND METHOD FOR PRODUCING STEREOSCOPIC IMAGES

(51) International

:G02B27/26,A63G7/00,H04N13/00

classification

(19) INDIA

(31) Priority Document No :61/286469

(32) Priority Date

:15/12/2009

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

:NA

:NA

(86) International Application

:PCT/US2010/045042

:WO 2011/075190

No

:10/08/2010

Filing Date

(87) International Publication

No

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

Filing Date (62) Divisional to Application :NA

Number

Filing Date

(71)Name of Applicant:

1)UNIVERSAL CITY STUDIOS LLC

(21) Application No.5411/DELNP/2012 A

Address of Applicant: Universal City Plaza Universal City CA

91608 U.S.A.

(72)Name of Inventor:

1)SCHWARTZ Justin Michael

2)BLUM Steven C.

3)CORTELYOU Robert John

4)COUP Thierry

5)MCQUILLIAN Brian Birney

#### (57) Abstract:

A system and method for displaying a stereoscopic image to a guest that compensates for spatial orientation of the guest includes providing a guest with a device comprising eye lenses projecting a first and a second image on a surface viewable by the guest wherein the first image has a polarizing vector that is orthogonal to a polarization vector of the second image varying the rotational and translational orientation of the guest relative to the surface viewable by the guest maintaining a directional correspondence between the polarizing vector for the one eye lens and that of the first image and the other eye lens and that of the second image during changes in the guest rotational and translational orientation to reduce distortion in the images viewed by the guest.

No. of Pages: 33 No. of Claims: 17

(21) Application No.5414/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR CALIBRATING A MEASUREMENT INSTRUMENT OF AN OPTRONIC 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>	:G01S5/16,G01S11/12 :0906173 :18/12/2009 :France :PCT/EP2010/069533 :13/12/2010 :WO 2011/073144 :NA :NA	(71)Name of Applicant: 1)THALES Address of Applicant: 45 rue de Villiers F 92200 Neuilly Sur Seine France 2)SIMON Alain (72)Name of Inventor: 1)SIMON Alain
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for calibrating measurement instruments of a moving optronic system occupying positions Pi P2 ... Pi ... said optronic system comprising: a device (10) for acquiring images of a scene including a fixed object G; means (15) for tracking the fixed object G during the acquisition of the images; means (20) for obtaining positions Pi P2 ...; and at least one distance measuring instrument (25) and/or an instrument (30) for measuring angles of orientation and/or attitude between the measurement instrument and the fixed object G along a line of sight (LdV). The invention includes the following steps: acquisition of at least two images at times t t ... whereby each image is acquired from different system positions P P ... and the fixed object G is targeted in each image but the position thereof is unknown; acquisition of distance and/or angle measurements at times ti t2 ...; synchronisation of distance and/or angle measurements with positions Pi P2 ... established at times ti t2 ...; and estimation of measurement errors that minimise the dispersion of at least two points of intersection Gi between the line of sight (LdV) at position P and the line of sight (LdV) at position P as a fonction of said measurements and known positions Pi Pj of the system.

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

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: ELECTRIC POWER EXCHANGING 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 Filing Date</li> </ul>	:H01M 10/44 :NA :NA :NA :NA :PCT/CN2010/070176 :14/01/2010 : NA :NA :NA	(71)Name of Applicant:  1)Yichang CHANG Address of Applicant:No. 2 Lane 292 Sec.1 Datong Rd. Xizhi City Taipei County Taiwan 22146 (72)Name of Inventor:  1)Yichang CHANG
Filing Date	:NA	

(21) Application No.5435/DELNP/2012 A

#### (57) Abstract:

An electric power exchanging equipment comprises a main body which has a containing room and a side edge of the containing room defines a battery fixing block. The fixing block extends toward the containing room in order to define a holding room for holding a battery. The containing room can hold batteries of different standards and dimensions.

No. of Pages: 20 No. of Claims: 6

(21) Application No.5436/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: MATERIALS COMPRISING A MATRIX AND PROCESS FOR PREPARING THEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C09K5/14 :10151054.3 :19/01/2010 :EPO :PCT/EP2011/050425 :14/01/2011 :WO 2011/089061 :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)BLEYS Gerhard Jozef 2)VERBEKE Hans Godelieve Guido
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention is concerned with particulate material having a number average particle diameter of 1  $\mu$ m 1 cm exhibiting a solid solid phase change as measured by differential scanning calorimetry (DSC) in the temperature range 10 °C to +100 °C and comprising: a matrix material comprising a plurality of urethane and/or urea and/or isocyanurate groups and having a hardblock content of more than 75 % (hereinafter called matrix A); and a polymeric material. Process for making this material and the use of it as.

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

(21) Application No.5437/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD OF CONVERTING A POLYMERIZABLE COMPOSITION INTO THERMOPLASTIC POLYURETHANE OF IMPROVED YELLOWNESS INDEX AND ARTICLE OBTAINED BY THIS METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08G18/08,C08K5/00 :NA :NA :NA :NA :PCT/US2009/006717 :23/12/2009 :WO 2011/078840 :NA :NA :NA	(71)Name of Applicant:  1)ESSILOR INTERNATIONAL (COMPAGNIE GENERALE DOPTIQUE)  Address of Applicant:147 Rue De Paris F 94220 Charenton le pont France (72)Name of Inventor:  1)CHIU Hao wen 2)NEUZIL Richard 3)HEROD Timothy E.
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#### (57) Abstract:

Method of producing a thermoplastic polyurethane having a light stabilization useful for ophthalmic applications comprising combining precursors of a polyurethane and at least one antioxidant and incorporating therein either before during or after polymerization at least one light stabilizer said method being characterized in that the antioxidant is benzenepropanoic acid 3 (1 1 dimethylethyl) 4 hydroxy 5 methyl 1 1 [1 2 ethanediylbis(oxy 2 1 ethanediyl)] ester and the light stabilizer is bis(1 2 2 6 6 pentamethyl 4 piperidinyl) [ [3 5 bis (1 1 dimethylethyl) 4 hydroxyphenyl] methyl] butylmalonate together with at least one additional component chosen from among phenol 2 (5 chloro 2H benzotriazole 2 yl) 6 (1 1 dimethylethyl) 4 methyl and 2 2 methylenebis (6 (2H benzotriazol 2 yl) 4 1 1 3 3 tetrame thylbutyl) phenol).

No. of Pages: 17 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :19/06/2012

(21) Application No.5438/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: POLYMERS AND USE THEREOF AS DISPERSANTS HAVING A FOAM INHIBITING EFFECT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C08F220/28 :10 2010 009 493.5 :26/02/2010 :Germany :PCT/EP2011/000684 :15/02/2011 :WO 2011/103970 :NA :NA	(71)Name of Applicant:  1)CLARIANT FINANCE (BVI) LIMITED  Address of Applicant :Citco Building Wickhams Cay P.O.  Box 662 Road Town Tortola VIRGIN ISLANDS (72)Name of Inventor:  1)SCHAEFER Carsten  2)MOGCK Oliver
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to polymers that can be obtained by polymerizing the monomers (A) (B) and (D) and optionally (C) where (A) is a monomer of formula (I) wherein A stands for C to C alkylene B stands for a C to C alkylene different from A R stands for hydrogen or methyl m stands for a number from 1 to 500 n stands for a number from 1 to 500 (B) is an ethylenically unsaturated monomer that contains at least one carboxylic acid function (C) is optionally a further ethylenically unsaturated monomer different from (A) and (B) (D) is a monomer of formula (II) wherein D stands for C to C alkylene E stands for a C to C alkylene group different from D F stands for a C to C alkylene group different from E R stands for hydrogen or methyl o stands for a number from 1 to 500 p stands for a number from 1 to 500 q stands for a number from 1 to 500 and wherein the weight fraction of the monomers is 35 to 99% for the macromonomer (A) 0.5 to 45% for the monomer (B) 0 to 20% for the monomer (C) and 1 to 20% for the monomer (D) and to the use of said polymers as defoamers for inorganic solid suspensions.

No. of Pages: 28 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A PROCESS FOR THE PRODUCTION OF PURE TUNGSTEN POWDER FROM TUNGSTENCOPPER BORINGS

(51) I do and a labor (5 and an	GMG	(71)Name of April 2 and a
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MANOJ KUMAR
(61) Patent of Addition to Application Number	:NA	2)MAITYEREE BHATTACHARYA
Filing Date	:NA	3)DEEPAK CHANDRA SAU
(62) Divisional to Application Number	:NA	4)ARCHANA AGRAWAL
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to large scale process for the production of tungsten and copper powder from tungsten-copper borings by leaching-solvent extraction-electrowinning- reduction processes. This invention will be useful for producing tungsten powder and copper powder utilising an industrial waste viz. tungsten-copper alloy (borings, turnings, sludges, sweeps, powders). The tungsten-copper alloy borings are generated during manufacturing of heavy electrical components. The tungsten recovered from tungsten-copper alloy borings can be used in the industry for the production of tungsten metal.

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

(21) Application No.2686/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BLUE INORGANIC COLORANTS/ PIGMENTS AND PROCESS FOR PREPARATION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA (72)Name of Inventor:  1)MUNDLAPUDI LAKSHMIPATHI REDDY 2)SHEETHU JOSE
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# (57) Abstract:

Nontoxic Near Infrared Reflecting (NIR) inorganic pigments, characteristically blue and well suited for the coloration of a wide variety of substrates, for example, plastics and concrete building roofing material, etc., comprise mixed metal silicate having the general formula: LaxSr1-xCu1-yLiySi4O10, where x is equal to 0 to 0.5 and y is equal to 0 to 0.5. These silicates with tetragonal crystal structure are prepared by calcination method in air atmosphere.

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

(21) Application No.5278/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MULTI CHROMATIC IMAGING SYSTEM AND METHOD

:G01N21/85,B07C5/342 (71)Name of Applicant : (51) International classification (31) Priority Document No :0920177.3 1)BUHLER SORTEX LTD (32) Priority Date :17/11/2009 Address of Applicant :20 Atlantis Avenue London E16 2BF (33) Name of priority country :U.K. U.K. (86) International Application No :PCT/GB2010/002118 (72)Name of Inventor: Filing Date :17/11/2010 1)MILLS Stewart (87) International Publication No :WO 2011/061490 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An imaging system for and method of imaging product in a product flow (F) the system comprising: an illumination unit for illuminating product in the product flow with illumination at first and second different wavelengths or ranges of different wavelengths; a detector unit (15) for detecting reflected illumination from product in the product flow wherein the detector unit comprises first and second line array detectors the line array detectors (17a 17b) each comprising a plurality of pixel elements and extending as lines across a width of the product flow one line downstream of the other whereby product passing a pixel element of the first line array detector passes a corresponding pixel element of the second line array detector; a control unit for triggering the first and second illumination sources to flash sequentially at a scan rate corresponding to the flow rate of the product flow; and an image processing unit for successively reading the pixel lines of the first and second line array detectors and constructing images of the product at each of the illumination wavelengths or ranges of illumination wavelengths.

No. of Pages: 24 No. of Claims: 47

(21) Application No.5447/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: IMPROVEMENTS TO NUCLEIC ACID ELUTION

(51) International classification (31) Priority Document No	:61/290652	(71)Name of Applicant: 1)WHATMAN INC
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:29/12/2009 :U.S.A.	Address of Applicant :200 Park Avenue Suite 210 Florham Park New Jersey 07932 U.S.A.
(86) International Application No	:PCT/EP2010/070389	2)GE HEALTHCARE UK LIMITED
Filing Date (87) International Publication No	:21/12/2010 :WO 2011/080160	(72)Name of Inventor : 1)PAGE Andrew Francis
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)PARKER Breck Olland
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to the storage on a solid matrix of genetic material in particular DNA that has been purified prior to the application to the solid matrix. More specifically the invention relates to a solid matrix for the storage of purified DNA which matrix has been treated with a solution comprising plant polysaccharide inulin. One avantage of the invention is that an increased amount of DNA can be stored in the solid matrix of the present invention.

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

(21) Application No.5448/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: GUIDED USER HELP SYSTEM FOR AN AMBULATORY INFUSION SYSTEM

(51) International :A61M5/142,A61M5/168,G06F19/00 classification

(31) Priority Document No :12/631077 :04/12/2009 (32) Priority Date

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

(86) International

:PCT/US2010/056233 Application No

:10/11/2010 Filing Date

(87) International

:WO 2011/068648 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)SMITHS MEDICAL ASD INC.

Address of Applicant :160 Weymouth Street Rockland MA

02370 U.S.A.

(72)Name of Inventor: 1)KOPP Kevin Sean

2)WARD WELISEVICH Mary

3)DEBELSER David

#### (57) Abstract:

An ambulatory infusion pump can include a guided user help system that allows for a user to correct an error with the pump without needing to summon a home healthcare aide or other medical professional. When an error occurs with the pump the user can select an option to receive help with the error. The help screen can display a possible solution for correcting the error that the user can follow. Additional help screens can display additional possible solutions if prior possible solution prove ineffective at correcting the problem.

No. of Pages: 22 No. of Claims: 32

(21) Application No.5341/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONJUGATE WITH TARGET FINDING LIGAND AND USE THEREOF

(51) International classification	:A61K47/48,A61P11/00	(71)Name of Applicant:
(31) Priority Document No	:09015812.2	1)ETHRIS GMBH
(32) Priority Date	:21/12/2009	Address of Applicant :Lochhamerstrae 11 82152 Martinsried
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2010/007846	(72)Name of Inventor:
Filing Date	:21/12/2010	1)RUDOLPH Carsten
(87) International Publication No	:WO 2011/076391	2)GEIGER Johannes Peter
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a conjugate comprising an agent complex and at least one target-finding ligand, wherein the agent complex encapsulates an agent with an encapsulating material, and wherein the target-finding ligand is a prostacyclin analog, and also to the use thereof.

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

(21) Application No.5342/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: VEHICLE CONTROL SYSTEM AND VEHICLE CONTROL METHOD

(51) International :F02D41/04,F02D41/08,F02D41/10 classification

(31) Priority Document No :2009286956 (32) Priority Date :17/12/2009

(33) Name of priority country: Japan

(86) International Application :PCT/IB2010/003283 No

:17/12/2010 Filing Date

(87) International Publication :WO 2011/073786

No

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

2)NOUMURA Shin (72)Name of Inventor: 1)NOUMURA Shin

# (57) Abstract:

A vehicle control system includes an acceleration generating device (engine T/M) that generates an acceleration applied to a vehicle and a vehicle control device that controls the acceleration generating device based on an accelerator pedal stroke Pa representing an operation of an accelerator pedal by a driver and a vehicle speed v of the vehicle. In the vehicle control system or method the vehicle control device controls the acceleration generating device based on a required acceleration Gx that is determined based on a relationship between the accelerator pedal stroke Pa and the required acceleration including as a condition an acceleration corresponding to a given accelerator pedal stroke which is specified by a relationship between the vehicle speed and the acceleration when the accelerator pedal stroke is held at the given value.

No. of Pages: 40 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: LIFE JACKET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:03/12/2010 :WO 2011/066820 :NA :NA :NA	(71)Name of Applicant:  1)TSOLKAS Alexander  Address of Applicant: Am grossen St <sup>1</sup> / <sub>4</sub> ck 7 64560 Riedstadt  Germany  (72)Name of Inventor:  1)TSOLKAS Alexander
Filing Date	:NA :NA	

(21) Application No.5451/DELNP/2012 A

#### (57) Abstract:

A lifejacket (1) for aquatic use having a back part (1a) and a plurality of front parts (1b) which can be connected to one another by means of a fastener wherein the lifejacket (1) is formed from a plurality of layers is intended to improve the survivability of its wearer in an emergency situation particularly in relatively cold waterways. For this purpose the invention proposes that the lifejacket (1) has a layer (16) which is located at or adjacent to its inside and is composed of a latent heat storage material in which an exothermic reaction takes place when activated by an activation unit (20 21) that is provided. The layer (16) which has the latent heat storage material is subdivided into a plurality of chambers (24) in the back part (1a) and in the front parts (1b) which chambers (24) are directly connected to one another or are connected to one another via connecting channels. Furthermore the lifejacket (1) has short arms (22) which cover the shoulders and extend into the upper arm area. The layer (16) extends into the shoulder area and upper arm area.

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

(21) Application No.5452/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: ALCOHOL PRODUCTION PROCESS

(51) International classification :C12P7/06,C12M1/34,C12M1/38 (71)Name of Applicant:

(31) Priority Document No :61/289583 :23/12/2009 (32) Priority Date (33) Name of priority country :U.S.A.

(86) International Application

:PCT/NZ2010/000266 No :23/12/2010 Filing Date

(87) International Publication No:WO 2011/078709

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)LANZATECH NEW ZEALAND LIMITED

Address of Applicant :24 Balfour Road Parnell Auckland 1052

New Zealand

(72)Name of Inventor:

1)HEIJSTRA Bjorn Daniel

# (57) Abstract:

The invention relates to the microbial fermentation of gaseous substrates particularly to methods of mitigating and/or reducing alcohol toxicity effects on a microbial culture at elevated alcohol concentrations during fermentation. The invention relates particularly to microbial fermentation of substrates comprising CO and the effects of alcohol toxicity are reduced or mitigated by maintaining the temperature below the optimum operating temperature by cooling the fermentation broth.

No. of Pages: 42 No. of Claims: 20

(21) Application No.5453/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: AN ADDITIVE FOR LITHIUM ION RECHARGEABLE BATTERY CELLS

(51) International :H01M4/134,H01M10/0525,H01M10/0567

classification

(31) Priority
Document No :1009519.8

(32) Priority Date :07/06/2010

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

(86) Internation

(86) International Application No :PCT/GB2011/000856

Filing Date :07/06/2011

(87) International Publication No :WO 2011/154692

(61) Patent of Addition to Application Number: NA

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

(71)Name of Applicant: 1)NEXEON LIMITED

Address of Applicant :136 Milton Park Abingdon Oxfordshire

OX14 4SB U.K.

(72)Name of Inventor: 1)COOWAR Fazlil

2)ABDELSALAM Mamdouh Elsayed

3)LAIN Michael Jonathan

#### (57) Abstract:

The present invention claims the addition of vinylene carbonate (VC) and optionally also fluoroethylene carbonate to the electrolyte of lithium ion cells having a structural silicon composite anode i.e. an anode containing fibres or particles of silicon. The additive significantly improves the cycling performance of the cells. A VC content in the range 3.5 8 wt% based on the weight of the electrolyte has been found to be optimum.

No. of Pages: 65 No. of Claims: 54

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : GRANULES FOR PHARMACEUTICAL PREPARATIONS METHODS AND APPARATUS FOR THEIR PRODUCTION

(51) International classification	:A61K9/16	(71)Name of Applicant :
(31) Priority Document No	:09179877.7	1)FERRING B.V.
(32) Priority Date	:18/12/2009	Address of Applicant :Polaris Avenue 144 NL 2132 JX
(33) Name of priority country	:EPO	Hoofddorp Netherlands
(86) International Application No	:PCT/EP2010/069733	(72)Name of Inventor:
Filing Date	:15/12/2010	1)HOEG MOLLER Carsten
(87) International Publication No	:WO 2011/073245	2)LARSEN Crilles Casper
(61) Patent of Addition to Application	:NA	3)WITTENDORFF Jorgen
Number	:NA	4)NISSEN Brigitte
Filing Date	.11/11	5)PEDERSEN Kenneth Manby
(62) Divisional to Application Number	:NA	6)HANSEN Tue
Filing Date	:NA	7)POULSEN Helle

#### (57) Abstract:

Disclosed are improved granular pharmaceutical preparations together with improved methods and apparatus for preparation of granules for use in such preparations. Such methods are especially useful for making granules for solid oral dose pharmaceutical preparations and are particularly suited to the production of granules comprising 5 aminosalicylic acid (5 ASA) for the treatment of inflammatory bowel disease. The granules exhibit a more sharply peaked length distribution and hence aspect ratio distribution and have a consequently much sharper dissolution profile after further processing.

No. of Pages: 75 No. of Claims: 22

(21) Application No.5442/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: LOW VISCOSITY POLYURETHANE ACRYLATE DISPERSIONS

(51) International classification :C08G18/08,C08G18/62,C08G18/67

(31) Priority Document No :09015763.7 (32) Priority Date :19/12/2009

(33) Name of priority country:EPO

(86) International PCT/EP2010/069453
Application No

Filing Date :13/12/2010

(87) International Publication :WO 2011/073116

(61) Patent of Addition to :N

Application Number Filing Date :NA

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

(71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789

Monheim Germany
(72)Name of Inventor:
1)SOMMER Stefan
2)RISCHE Thorsten

3)LUEHMANN Erhard

(57) Abstract:

The invention relates to a method for producing low viscosity radiation curable aqueous dispersions based on polyurethane acrylates (UV PUDs) wherein the UV PUDs hydrophilized by means of hydroxy functionalized carbolic acids have a lower initial viscosity if a majority of the urethanization that is converting of the NCO functionalized compounds with the O H functionalized compounds takes place initially without the presence of the acid bearing compounds and the acid bearing compounds are installed by means of the hydroxyl function thereof as late as possible.

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

(12) THE THE LIGHT OF TOBERCHIE

(21) Application No.5444/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SURFACE TREATED STEEL SHEET AND COVER MEMBER USING STEEL SHEET

(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  (32) Priority Date (33) Name of priority country (34) Japan (32) Priority Date (34) Priority Date (35) Priority Date (36) International Application No (37) Patent of Inventor: (38) Address of Applicant: 2 12 Yonbancho (38) Address of Applicant: 2 12 Yonbancho (38) Address of Applicant: 2 12 Yonbancho (38) Name of Inventor: (38) Name o	o Chiyoda ku Tokyo
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#### (57) Abstract:

Provided are a surface treated steel sheet comprising a zinc coating such that the generation of whiskers exceeding 5  $\mu$ m in length can be suppressed by controlling the crystal orientation of the zinc coating; and a cover member for an electronic device or for a printed circuit board this cover member being machined and formed using the aforementioned surface treated steel sheet. The aforementioned surface treated steel sheet comprising a zinc coating is characterized in that the crystal orientation index of the surface (0002) thereof is 2.5 or more. As mentioned above also provided is a cover member for an electronic device or for a printed circuit board this cover member being machined and formed using the aforementioned surface treated steel sheet.

No. of Pages: 38 No. of Claims: 5

(21) Application No.5445/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: IMPROVED METHODS AND COMPOSITIONS FOR VEIN HARVEST AND AUTOGRAFTING

(51) International :A61K35/44,A61K31/185,A61M39/06

classification

(31) Priority Document No :61/267640 :08/12/2009 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2010/059459 Application No

:08/12/2010 Filing Date

(87) International :WO 2011/072012 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)VANDERBILT UNIVERSITY

Address of Applicant :Office of Technology Transfer 305

Kirkland Hall Nashville TN 37240 U.S.A.

2)THE UNITED STATES GOVERNMENT AS

REPRESENTED BY THE DEPARTMENT OF VETERANS

**AFFAIRS** 

(72)Name of Inventor:

1)BROPHY Colleen

2)KOMALAVILAS Padmini 3) CHEUNG FLYNN Joyce

4)HOCKING Kyle

5)EAGLE Susan

#### (57) Abstract:

The leading cause of graft failure is the subsequent development of intimal hyperplasia which represents a response to injury that is thought to involve smooth muscle proliferation migration phenotypic modulation and extracellular matrix (ECM) deposition. Surgical techniques typically employed for vein harvest stretching the vein placing the vein in low pH solutions and the use of toxic surgical skin markers are shown here to cause injury. The invention therefore provides for non toxic surgical markers than also protect against stretch induced loss of functional viability along with other additives. Devices and compositions for reducing physical stress or protecting from the effects flowing therefrom also are provided.

No. of Pages: 61 No. of Claims: 57

(21) Application No.5446/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVEMENTS IN OR RELATING TO HOT ISOSTATIC PRESSING

(51) International classification	:B22F3/15,B22F3/24,B22F5/10	(71)Name of Applicant:
(31) Priority Document No	:0922488.2	1)ADVANCED INTERACTIVE MATERIALS SCIENCE
(32) Priority Date	:23/12/2009	LIMITED
(33) Name of priority country	:U.K.	Address of Applicant :Unit 1 Global Business Park Saville
(86) International Application No	:PCT/GB2010/052186	Road Westwood Peterborough Cambridgeshire PE3 7PR U.K.
Filing Date	:22/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/077150	1)ARCHER Geoffrey Frederick
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

#### (57) Abstract:

A process is provided for producing a component. The process comprising the steps of: producing a former corresponding to the internal dimensions of the component to be formed; providing a layer of a second material on at least one surface of the former; locating the former in a containment and filling the containment with a first material; subjecting the containment to hot isostatic pressing such that the second material diffuses into the first material.

No. of Pages: 24 No. of Claims: 34

(21) Application No.2481/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FLUX AND SOLDER MATERIAL AND METHOD OF 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 :N	3/207,214 0/08/2011 J.S.A. JA NA NA NA NA	<ul> <li>(71)Name of Applicant:</li> <li>1)NORDSON CORPORATION Address of Applicant: 28601 Clemens Road Westlake Ohio </li> <li>44145 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)JOHN A. VIVARI JR.</li> </ul>
(62) Divisional to Application Number :N	JA JA	

# (57) Abstract:

A FLUX FOR USE IN SOLDERING COMPRISES A FIRST CONSTITUENT AND ONE OR MORE SECONDARY CONSTITUENTS THAT IS SELECTED FROM SOLVENTS, THICKENERS, AND/OR METAL OXIDE REDUCING AGENTS. THE FLUX HAS A TEMPERATURE PROFILE IN WHICH THE FLUX IS IN A NON-FLOWABLE INACTIVE STATE AT TEMPERATURES AT AND BELOW A MAXIMUM STORAGE TEMPERATURE THAT IS ABOVE ABOUT 27°C, A LIQUID ACTIVE STATE AT AN ACTIVATION TEMPERATURE, AND A FLOWABLE INACTIVE STATE IN A DEPOSITION TEMPERATURE RANGE ABOVE THE MAXIMUM STORAGE TEMPERATURE AND BELOW THE ACTIVATION TEMPERATURE. A SOLDER MATERIAL COMPRISES SOLDER PARTICLES DISPERSED IN THE FLUX.

No. of Pages: 38 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application :29/08/2012

(21) Application No.2674/DEL/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: TISSUE SHAVERS

(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 Filing Date (83) Name of priority country  EVLS.A. (12) Name of Inventor:  ENA ENA ENA  ENA ENA  ENA  ENA  ENA	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA : NA :NA :NA :NA	Address of Applicant :325 Paramount Drive Raynham MA 02767 U.S.A. (72)Name of Inventor:
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# (57) Abstract:

VARIOUS ARTHROSCOPIC SHAVERS ARE PROVIDED THAT MINIMIZE CONTACT BETWEEN BODILY FLUID AND THE SHAVER HAND PIECE. ARTHROSCOPIC SHAVERS GENERALLY INCLUDE A CUTTING ASSEMBLY MATED TO A HAND PIECE. IN ONE EMBODIMENT, THE SHAVER INCLUDES A HUB THAT CONNECTS THE CUTTING ASSEMBLY WITH THE HAND PIECE AND HAS AN EXIT PORT CONFIGURED TO TRANSPORT CUT TISSUE AND FLUID FROM THE DEVICE. IN ANOTHER EMBODIMENT, THE SHAVER INCLUDES A HUB CONFIGURED TO RETROFIT EXISTING SHAVER HAND PIECES HAVING INTERIOR LUMENS FOR REMOVING CUT TISSUE AND FLUID. THE HUB FURTHER INCLUDES AN EXIT PORT THAT DIVERTS FLUID AWAY FROM THE HAND PIECE.

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

(21) Application No.5464/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: UTILIZING STEAM AND/OR HOT WATER GENERATED USING SOLAR ENERGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:F03G6/00 :61/265721 :01/12/2009 :U.S.A. :PCT/US2010/058571 :01/12/2010 :WO 2011/068880 :NA :NA	(71)Name of Applicant:  1)AREVA SOLAR INC. Address of Applicant: 303 Ravendale Drive Mountain View CA 94043 U.S.A. (72)Name of Inventor: 1)VENETOS Milton 2)CONLON William Martin
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods systems and apparatus by which steam and/or hot water generated using solar energy may be utilized to generate electricity or work are disclosed herein. A method in one instance may involve driving a first turbine using a fluid having energy obtained from a main energy source other than solar energy and using solar energy generated hot water and/or steam as an auxiliary energy input to drive the first turbine. An apparatus in one instance may include (1) a first turbine in fluid communication with and driven by a fluid heated by a main energy source other than solar energy in fluid communication with (2) a solar steam and/or hot water generator that utilizes solar energy to generate hot water and/or steam or other working fluid as an auxiliary energy input source for the first turbine.

No. of Pages: 46 No. of Claims: 21

(21) Application No.5465/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL ANTIVIRAL COMPOUNDS

(51) International classification	:A61P 31/18,A61K31/519,C07D487/04	(71)Name of Applicant: 1)KATHOLIEKE UNIVERSITEIT LEUVEN
(31) Priority Document No	:0922520.2	Address of Applicant :Minderbroedersstraat 8a Box 5105 B
(32) Priority Date	:23/12/2009	3000 Leuven Belgium
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/070306	1)CARLENS Gunter
Filing Date	:20/12/2010	2)CHALTIN Patrick
(87) International Publication No	:WO 2011/076765	3)CHRIST Frauke
(61) Patent of Addition to	:NA	4)DEBYSER Zeger
Application Number	:NA	5)MARCHAND Arnaud
Filing Date	.NA	6)MARCHAND Damien
(62) Divisional to Application	:NA	7)VOET Arnout
Number		8)DE MAEYER Marc
Filing Date	:NA	

# (57) Abstract:

The present invention relates to compounds of formula (A) as defined herein having antiviral activity more specifically HIV (Human Immunodeficiency Virus) replication inhibiting properties. The invention also relates to pharmaceutical 5 compositions comprising an effective amount of such compounds as active ingredients. This invention further relates to the use of such compounds as medicines or in the manufacture of a medicament useful for the treatment of animals suffering from viral infections in particular HIV infection. This invention further relates to methods for the treatment of viral infections in animals by the 10 administration of a therapeutical amount of such compounds optionally combined with one or more other drugs having antiviral activity.

No. of Pages: 122 No. of Claims: 14

(21) Application No.5466/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : INCREASING METHIONINE PRODUCTION BY OVEREXPRESSING SUCCINATE DEHYDROGENASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:30/12/2009 :WO 2011/080542 :NA	(71)Name of Applicant:  1)METABOLIC EXPLORER  Address of Applicant: Biopole Clermont Limagne F 63360  Saint Beauzire France (72)Name of Inventor:  1)FIGGE Rainer
. ,	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to a process for improving the production of methionine by culturing a microorganism modified for enhancing the expression of genes involved in succinate dehydrogenase synthesis. The microorganisms were modified in a way that the methionine/ carbon source yield is increased. The isolation of methionine from the fermentation medium is also claimed.

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

(21) Application No.5458/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: ABRADABLE SEAL WITH AXIAL OFFSET

(51) International :F04D29/16,F01D11/12,F01D11/02 classification

(31) Priority Document No :CO2009A000071

(32) Priority Date :22/12/2009 (33) Name of priority country: Italy

(86) International Application

:PCT/US2010/059258 No

:07/12/2010 Filing Date

(87) International Publication :WO 2011/078962

(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)NUOVO PIGNONE S.p.A.

Address of Applicant :Via Felice Matteucci 2 I 50127

Florence Italy

(72)Name of Inventor: 1)LUSTED Roderick 2)SHENG Nuo

3)MICHELASSI Vittorio

A sealing system (200) for a centrifugal compressor includes a stator (220) having a seal housing (230) a seal (223) disposed in the seal housing (230) and having an abradable portion (225) along an inner circumference a rotor (210) having a plurality of rotor teeth (215) configured to rotate within the inner circumference of the seal (223) and configured to create rub grooves (227) within the abradable portion (225) and a first spring (240) disposed between the stator (220) and the seal (210) and configured to facilitate axial movement of the seal (223) relative to the seal housing (230).

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

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: MID SPAN GAS BEARING

(51) International :F04D29/10,F04D29/057,F04D29/059 classification

(31) Priority Document No :CO2009A000067

(32) Priority Date :17/12/2009

(33) Name of priority :Italy

country

(86) International :PCT/EP2010/069347

Application No :10/12/2010 Filing Date

(87) International

:WO 2011/080047 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)NUOVO PIGNONE SPA

(21) Application No.5459/DELNP/2012 A

Address of Applicant: Via Felice Matteucci 2 I 50127

Florence Italy

(72)Name of Inventor: 1)MARIOTTI Gabriele 2)CAMATTI Massimo 3)ERTAS Bugra Han 4)PALOMBA Sergio

#### (57) Abstract:

A centrifugal compressor (200) includes a rotor assembly (220 230 239) with a shaft (220) and a plurality of impellers (230 239) bearings (250 255) located at ends of the shaft (220) and configured to support the rotor assembly (220 230 239) a sealing mechanism (280 285) disposed between the rotor assembly (220 230 239) and the bearings (250 255) and a gas bearing (290) disposed between the plurality of impellers (230 239) for supporting the shaft (220) and receiving a working gas from an impeller (230) downstream from a location of the gas bearing (290).

No. of Pages: 22 No. of Claims: 20

(21) Application No.5460/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOX REMOVAL SYSTEM FOR BIOGAS ENGINES AT ANAEROBIC DIGESTION FACILITIES

(51) International classification :F01N3/08,F01N3/18,F01N3/24 (71)Name of Applicant : 1)BIOGAS & ELECTRIC LLC (31) Priority Document No :61/335072 (32) Priority Date Address of Applicant :4186 Sorrento Valley Blvd. Suite M :31/12/2009 (33) Name of priority country :U.S.A. San Diego CA 92121 U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2010/061780 1)MATELICH Michael Filing Date :22/12/2010 (87) International Publication No :WO 2011/082060

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

(62) Divisional to Application
Number

Filing Date
:NA
:NA

### (57) Abstract:

Provided herein are methods devices and systems comprising a reactor that is operatively connected to: (a) a biogas production unit for converting waste to a biogas stream; and (b) an engine that utilizes the biogas stream from the biogas producing unit to produce energy and an engine exhaust.

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

(21) Application No.5461/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PURIFIED KUNITZ TRYPSIN INHIBITOR PROTEINS ISOLATED FROM A SOY PROCESSING STREAM

(51) I	A C1172 C (0.0	
(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:61/291312	1)SOLAE LLC
(32) Priority Date	:30/12/2009	Address of Applicant :4300 Duncan Avenue St. Louis MO
(33) Name of priority country	:U.S.A.	63110 U.S.A.
(86) International Application No	:PCT/US2010/062592	(72)Name of Inventor:
Filing Date	:30/12/2010	1)SCHASTEEN Charles S.
(87) International Publication No	:WO 2011/082359	2)MARSH Darrell
(61) Patent of Addition to Application	:NA	3)KELLER Karsten
Number		4)TULK Barry
Filing Date	:NA	5)MEKEL Marlene
(62) Divisional to Application Number	:NA	6)WU Jennifer
Filing Date	:NA	

# (57) Abstract:

A novel Kunitz trypsin Inhibitor (KTI) isoform recovered from a processing stream and that has a total KTI protein concentration of at least about 95 wt.% is disclosed as well as a process for recovering and isolating the purified KTI isoform from a processing stream.

No. of Pages: 63 No. of Claims: 15

(21) Application No.5462/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR ENERGY CONSUMPTION BALANCING BETWEEN BASE STATIONS IN A COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04W52/04 :NA :NA :NA :PCT/SE2009/051389 :08/12/2009 :WO 2011/071425 :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)FRENGER Pl 2)MOE Johan 3)LINNELL Ove
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method and arrangement in an energy management unit in a communication system for energy consumption balancing between a first base station and a second base station comprised within the communication system The method comprises computing and comparing a marginal energy value for the first base station and the second base station respectively based on the energy source type of each base station. Also the method comprises adjusting the amount of wireless communication managed by the first base station in relation to the second base station such that the amount of wireless communication managed by the first base station is increased if the first base station has a lower marginal energy value than the second base station and / or the amount of wireless communication managed by the first base station is decreased if the first base station has a higher marginal energy value than the second base station.

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

(21) Application No.5463/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: REDUNDANT TIRE AND RUBBER COMPOUND REPROCESSING

(51) International classification :B29B17/02,B29B17/00 (71)Name of Applicant : (31) Priority Document No :12/628947 1)ENTYRECYCLE LLC Address of Applicant :P.O. Box 395 Kenwood CA 95452 (32) Priority Date :01/12/2009 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2010/058566 (72)Name of Inventor: Filing Date :01/12/2010 1)HIGGINSON Alan (87) International Publication No :WO 2011/068875 2)HIGGINSON David (61) Patent of Addition to Application 3)AUCOCK Rachel :NA 4)HARRISON Brete C. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention provides for methods systems and devices for processing rubber materials including rubber from tires tubes shoe soles or any other rubber containing product. Characteristics of the rubber materials such as chemical composition and/or product manufacturer model and manufacture date can be identified. Identification can be performed by personnel can be automated or can be a combination thereof. The characteristics of the rubber material can be used to sort the rubber product. Rubber materials suitable for a particular end product can be selected for further processing which can include size reduction material separation chemical and physical processes devulcanization or a combination thereof. Processed rubber materials can be stored or delivered to a user or manufacturing site with product specifications.

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

(21) Application No.5480/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PISTON SETTING DEVICE, A SYSTEM COMPRISING SUCH A DEVICE AND METHOD FOR SETTING A PISTON IN A CARTRIDGE

(51) International :B65B3/12,B05C17/005,B65D81/32 classification

(31) Priority Document No :12/655.037

(32) Priority Date :22/12/2009 (33) Name of priority country: U.S.A.

(86) International Application: PCT/EP2010/069922

No :16/12/2010

Filing Date

(87) International Publication :WO 2011/076663

(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)SULZER MIXPAC AG

Address of Applicant : R1/4tistrasse 7 CH 9469 Haag

Switzerland

(72)Name of Inventor: 1)HAYDEN Turner

### (57) Abstract:

A system comprises a piston setting device (40) and a cartridge comprising a piston and a cartridge chamber which can be filled by a filling mass. The cartridge chamber further comprises a closeable outlet opening for the discharge of the filling mass whereby the filling mass is storable in said cartridge chamber when the outlet opening is closed and the piston is inserted into the cartridge chamber. The piston (25) comprises a first piston part which rests in sealed manner against the cartridge wall and a second piston part which forms venting valve comprising a valve plug together with the first piston part wherein said valve plug opens when a pressure is exerted on the side of the piston opposite to the filling mass by a piston setting device. Furthermore a piston setting device is provided wherein the piston setting device comprises a housing a conduit (42) arranged in said housing said conduit having a first end and a second end said first end comprising an attachment element (46) connectable to a vacuum source (48) and said second end comprising a plunger said plunger being connectable to a valve plug of the piston for opening said valve plug when said piston setting device is attached to said piston. Furthermore the invention relates to a piston setting device and a method for setting a piston in a cartridge by means of said piston setting device.

No. of Pages: 32 No. of Claims: 23

:NA

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SYSTEMS AND METHODS FOR DETECTING CARDIOVASCULAR DISEASE

(51) International classification :A61B8/02,A61B5/02,G06F19/00 (71)Name of Applicant: (31) Priority Document No :61/267803 1)AUM CARDIOVASCULAR INC. (32) Priority Date :08/12/2009 Address of Applicant: 17207 Finch Path Farmington MN (33) Name of priority country :U.S.A. 55024 U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2010/059412 No 1)JOHNSON Marie A. :08/12/2010 Filing Date (87) International Publication :WO 2011/071989 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

Embodiments of the invention provide such an improved system and method. In particular embodiments relate to systems methods and apparatuses which use acoustic data in the detection of coronary artery disease. Embodiments can enable fast non invasive identification of clinically relevant coronary artery disease which can ultimately save lives. The non invasive nature is one example of a multitude of convenient aspects of embodiments that can be used to meet a large as yet unmet need in a cost effective and accurate manner. Results can be provided in real time and with clarity providing quick and easily understandable indications that can shorten the path to intervention for patients making embodiments suitable for a wide range of environments purposes users and patients.

No. of Pages: 43 No. of Claims: 30

(21) Application No.5482/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: PEDIATRIC UNDERBODY BLANKET

(51) International classification :A61F7/00,A61F7/08,A47C21/04 (71)Name of Applicant: (31) Priority Document No :12/654487

:WO 2011/087484

(32) Priority Date :22/12/2009 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2010/003212 No

:20/12/2010 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)SMITHS MEDICAL ASD INC.

Address of Applicant :160 Weymouth Street Rockland MA

02370 U.S.A.

(72)Name of Inventor: 1)PIERRE Joseph 2)STARR Rachel 3) HUGHES Gregory

### (57) Abstract:

An underbody convective warming blanket that may be used by a pediatric or neonate patient includes a head portion configured with multiple substantially U shaped channels each having a plurality of adjacent rows of apertures that circumscribe the head of the patient positioned on the blanket. The adjacent rows of apertures are configured on the upper layer of the blanket so as to be positioned at an orientation or angle relative to the base plane of the blanket or the head of the patient such that those apertures would substantially face the head of the patient when the blanket is inflated so that the heated air output from the apertures is directed substantially towards the head of the patient to thereby effect an invisible dome of heated air that envelopes the head of the patient.

No. of Pages: 17 No. of Claims: 21

(21) Application No.5483/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: METHODS OF COMBINING BRUSH HEAD PLATES WITH BRUSH BODIES

(51) International classification :A46B3/02,A46B3/06,A46B3/04 (71)Name of Applicant :

:10 2009 058 608.3 (31) Priority Document No (32) Priority Date :17/12/2009

(33) Name of priority country :Germany

(86) International Application No:PCT/EP2010/007709

Filing Date :16/12/2010

(87) International Publication No: WO 2011/072865

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)GB BOUCHERIE NV

Address of Applicant: Stuivenbergstraat 106 B 8870 Izegem

Belgium

(72)Name of Inventor:

1)BOUCHERIE Bart Gerard

### (57) Abstract:

A method of combining a brush head plate with a brush handle or part of brush handle is disclosed which makes use of any of a mechanical friction welding gluing and molding technique or of a combination of these techniques.

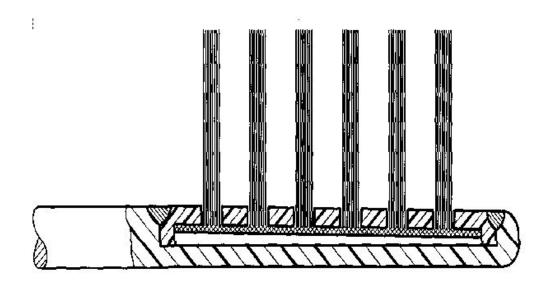


Fig. 16A

No. of Pages: 22 No. of Claims: 1

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD OF FRACTURING SUBTERRANEAN FORMATIONS WITH CROSSLINKED FLUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:17/12/2010 :WO 2011/075629 :NA	(71)Name of Applicant:  1)BAKER HUGHES INCORPORATED  Address of Applicant: 2929 Allen Parkway Suite 2100  Houston TX 77019 U.S.A.  (72)Name of Inventor:  1)BELL Charles Elmer  2)BRANNON Harold Dean
(61) Patent of Addition to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Subterranean formations such as tight gas formations may be subjected to hydraulic fracturing by introducing into the formation a fracturing fluid of an aqueous fluid a hydratable polymer a crosslinking agent and proppant. The fracturing fluid is prepared in a blender and then pumped from the blender into the wellbore which penetrates the formation. The fluid enters the reservoir through an entrance site. The apparent viscosity of the fluid decreases distally from the entrance site such that at least one of the following conditions prevails at in situ conditions: (a) the apparent viscosity of the fracturing fluid 100 feet from the entrance site is less than 10 percent of the apparent viscosity of the fracturing fluid at the entrance site; (b) the apparent viscosity of the fracturing fluid 15 minutes after introduction into the entrance site is less than 15% of the apparent viscosity of the fracturing fluid at the entrance site; or (c) the apparent viscosity of the fracturing fluid is less than 10 cP within 15 minutes after being introduced through the entrance site.

No. of Pages: 25 No. of Claims: 29

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD FOR CORRECTING THE TRAJECTORY OF A PROJECTILE IN PARTICULAR OF AN END-PHASE-GUIDED PROJECTILE AND PROJECTILE FOR CARRYING OUT THE PROCESS

(51) International classification	:F41G 7/26	(71)Name of Applicant :
(31) Priority Document No	:10 2010 004 820.8	1)RHEINMETALL AIR DEFENCE AG
(32) Priority Date	:15/01/2010	Address of Applicant :Birchstrasse 155 CH-8050 Z <sup>1</sup> / <sub>4</sub> rich
(33) Name of priority country	:Germany	Switzerland
(86) International Application No	:PCT/EP2010/007428	(72)Name of Inventor:
Filing Date	:07/12/2010	1)JENS SEIDENSTICKER
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		·

# (57) Abstract:

The invention proposes guiding or rotating a laser beam (12) around the centre (13) of the instantaneous target course of a projectile (1) in such a way that the projectile (1) itself detects a divergence thereof and subsequently carries out a self-correction. To this end, a first laser beam (11) is emitted over a certain region (15) around the target course of the projectile (1), wherein said laser beam can at the same time initiate the start of a timing process. For example, a further rotating laser beam (12) having a fixed rotational frequency  $\hat{I}$  is simultaneously positioned around the region (15). With the help of said second laser beam (12), the projectile recognises the divergence thereof from the target course and initiates the correction based on the determined divergence. The magnitude of the determined divergence is then used to effect the timed initiation of the correction. To this end, delays in the release are implemented in the projectile (1).

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

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR PRODUCING STABILIZED CONTACT LENSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G02C 7/04 :12/641,166 :17/12/2009 :U.S.A. :PCT/US2010/061001 :17/12/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE INC.  Address of Applicant: 7500 Centurion Parkway Jacksonville FL 32256 U.S.A. (72)Name of Inventor:  1)PIERRE GERLIGAND
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(21) Application No.5476/DELNP/2012 A

## (57) Abstract:

Contact lenses with stabilization zones are designed using mathematical constructs such as Bezier curves and which are subjected to modeling on-eye performance

No. of Pages: 26 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR STABILIZING CONTACT LENSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:G02C 7/04 :12/641,116 :17/12/2009 :U.S.A. :PCT/US2010/060993 :17/12/2010 : NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE INC.  Address of Applicant: 7500 Centurion Parkway Jacksonville FL 32256 U.S.A. (72)Name of Inventor:  1)PIERRE GERLIGAND 2)EDGAR V. MENEZES
1 ( 41110 0 1		
Filing Date	:NA	

(21) Application No.5477/DELNP/2012 A

### (57) Abstract:

A method for stabilizing contact lenses includes providing a lens design with a nominal set of stabilization zone parameters, applying a merit function to the lens design based on balancing moments of momentum, and creating a contact lens design with improved stabilization based on the application of the merit functions to the lens design with a nominal set of stabilization zone parameters.

No. of Pages: 38 No. of Claims: 12

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HIGH-CAPACITANCE AND LOW-OXYGEN POROUS CARBON FOR EDLCS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:19/01/2011 : NA :NA :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A. (72)Name of Inventor:  1)KISHOR P. GADKAREE  2)JIA LIU
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for producing a low oxygen content activated carbon material includes heating a natural, non-lignocellulosic carbon precursor in an inert or reducing atmosphere to form a first carbon material, mixing the first carbon material with an inorganic compound to form an aqueous mixture, heating the aqueous mixture in an inert or reducing atmosphere to incorporate the inorganic compound into the first carbon material, removing the inorganic compound from the first carbon material to produce a second carbon material, and heating the second carbon material in an inert or reducing atmosphere to form the low oxygen content activated carbon material. The activated carbon material is suitable to form improved carbon-based electrodes for use in high energy density devices.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MINOR GROOVE BINDER (MGB) OLIGONUCLEOTIDE MIRNA ANTAGONISTS

:C12N15/113 :61/264380 :25/11/2009 :U.S.A. :PCT/US2010/057862 :23/11/2010 :WO 2011/066312 :NA :NA :NA	6)KARPILOW Jon 7)VERMEULEN Nicolaas 8)MAHONEY Walt (72)Name of Inventor: 1)KHVOROVA Anastasia 2)VERMEULEN Annaleen 3)KAISER Rob 4)KARPILOW Jon
	4)KARPILOW Jon 5)VERMEULEN Nicolaas 6)MAHONEY Walt
	:61/264380 :25/11/2009 :U.S.A. :PCT/US2010/057862 :23/11/2010 :WO 2011/066312 :NA :NA

### (57) Abstract:

Compositions and methods for inhibiting the actions of non coding RNAs such as miRNAs are provided. The compositions comprise single or double stranded oligonucleotides conjugated with Minor Groove Binders (MGBs). The oligonucleotides can vary in length can contain nucleotides having one or more modifications and have regions that are substantially complementary to one or more mature miRNAs or piRNAs.

No. of Pages: 50 No. of Claims: 33

(21) Application No.5392/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR MEASUREMENT INCORPORATING A CRYSTAL OSCILLATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No         <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number         <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number         <ul> <li>Filing Date</li> </ul> </li> <li>Filing Date</li> </ul>	a:G01L9/00,E21B47/06,G01D5/48:12/627639:30/11/2009:U.S.A.:PCT/US2010/057414:19/11/2010:WO 2011/066188:NA:NA:NA	(71)Name of Applicant:  1)CHEVRON U.S.A. INC. Address of Applicant:6001 Bollinger Canyon Road San Ramon California 94583 U.S.A.  2)LOS ALAMOS NATIONAL SECURITY LLC 3)THOMPSON M. Clark 4)SINHA Dipen N. 5)COATES Don M. 6)ARCHULETTA Jacobo R. 7)GONZALEZ Manuel E. (72)Name of Inventor: 1)THOMPSON M. Clark 2)SINHA Dipen N. 3)COATES Don M. 4)ARCHULETTA Jacobo R. 5)GONZALEZ Manuel E.
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### (57) Abstract:

A system method and device for interrogating a downhole environment in a borehole beneath a surface includes a source of electromagnetic energy operable to transmit an electromagnetic signal in the borehole a sensor module including a passive resonating circuit including a crystal oscillator having a resonant frequency that varies with changes in the condition in the downhole environment to reflect the electromagnetic signal and to modulate the electromagnetic signal in response to a condition in the downhole environment in the borehole and a detector positionable to receive the reflected modulated electromagnetic signal.

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

(19) INDIA

(22) Date of filing of Application :18/06/2012

(21) Application No.5393/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: AMINO HETEROARYL DERIVATIVES AS HCN BLOCKERS

(51) International :C07D213/73,C07D239/42,C07D401/12 classification

(31) Priority Document :09180321.3

(32) Priority Date :22/12/2009

(33) Name of priority :EPO

country

(86) International

:PCT/EP2010/070213 Application No :20/12/2010

Filing Date

(87) International :WO 2011/076723 **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)MSD OSS B.V.

Address of Applicant : Kloosterstraat 6 NL 5349 AB Oss

Netherlands

2) GROVE Simon James Anthony

3)MORRISON Angus John

4) JAMIESON Craig

5)PALIN Ronald

6)MACLEAN John Kinnaird Ferguson

(72)Name of Inventor:

1)GROVE Simon James Anthony

2)MORRISON Angus John

3) JAMIESON Craig

4)PALIN Ronald

5)MACLEAN John Kinnaird Ferguson

### (57) Abstract:

The invention relates to amino heteroaryl derivatives having the general Formula I or a pharmaceutically acceptable salt thereof to pharmaceutical compositions comprising the same as well as to the use of these derivatives for the treatment of pain such as neuropathic pain or inflammatory pain.

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

(21) Application No.5394/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: POLYMER COMPOUND FOR SEALS FOR USE WITH FAT CONTAINING FILLING MATERIALS

(51) International :B65D41/00,C08L23/04,C08L23/10 classification

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

(33) Name of priority country: NA

(86) International Application :PCT/EP2009/008273

No :20/11/2009 Filing Date

(87) International Publication: WO 2011/060803

(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)ACTEGA DS GMBH

Address of Applicant: Straubinger Str. 12 28219 Bremen

Germany

(72)Name of Inventor: 1)POEL Christiane 2)SCHLENK Georg

3)WITTENBERG R1/4diger

### (57) Abstract:

The invention relates to a polymer compound for a sealing insert for a container closure in particular for fat containing filling materials which has a composition such that the migration of constituents of the compound into the filling material is reduced characterised in that the Shore A hardness of the polymer compound is between 45 and 95 and in the compressive deformation test analogous to ASTM D395 97 Method B at 70 °C the polymer compound exhibits a compression set of 30 90%.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: AZEOTROPIC AND AZEOTROPE LIKE COMPOSITIONS OF Z 1 1 1 4 4 4 HEXAFLUORO 2 BUTENE TRANS 1 2 DICHLOROETHYLENE AND 1 1 1 3 3 PENTAFLUOROBUTANE

:C08J9/14,C09K5/04,A62D1/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/293768 (32) Priority Date :11/01/2010

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

(86) International Application No :PCT/US2011/020675

Filing Date :10/01/2011

(87) International Publication No :WO 2011/085309

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant: 1007 Market Street Wilmington

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

1)ROBIN Mark L. 2)BARTELT Joan Ellen

# (57) Abstract:

Azeotropic or azeotrope like compositions are disclosed. The azeotropic or azeotrope like compositions are mixtures of Z 1 1 1 4 4 4 hexafluoro 2 butene trans 1 2 dichloroethylene and 1 1 1 3 3 pentafluorobutane. Also disclosed is a process of preparing a thermoplastic or thermoset foam by using such azeotropic or azeotrope like compositions as blowing agents. Also disclosed is a process of producing refrigeration by using such azeotropic or azeotrope like compositions. Also disclosed is a process of using such azeotropic or azeotrope like compositions as solvents. Also disclosed is a process of producing an aerosol product by using such azeotropic or azeotrope like compositions. Also disclosed is a process of using such azeotropic or azeotrope like compositions as heat transfer media. Also disclosed is a process of extinguishing or suppressing a fire by using such azeotropic or azeotrope like compositions. Also disclosed is a process of using such azeotropic or azeotrope like compositions as dielectrics.

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

(21) Application No.5383/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: ABSORBENT CORE WITH PATTERN OF ADHESIVE

(51) International :A61F13/539,A61F13/15,A61F13/472

classification

(31) Priority Document No :09180425.2 (32) Priority Date :22/12/2009

(33) Name of priority :EPO

country

(86) International :PCT/US2010/061397

Application No :21/12/2010

Filing Date (87) International

:WO 2011/079086 Publication No

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

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

Filing Date

(71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

2)CARLUCCI Giovanni 3)TAMBURRO Maurizio 4)TORO Evelina Sara (72)Name of Inventor:

1)CARLUCCI Giovanni 2)TAMBURRO Maurizio

3)TORO Evelina Sara

### (57) Abstract:

An absorbent core comprising super absorbent polymer particles and a pattern of adhesive for use in disposable absorbent articles for example for the absorption of menses or blood.

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

(21) Application No.5384/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: HEATER OF IMPULSE SEALER COVERED WITH CERAMICS

(51) International classification :B29C65/38,B65B1/10,H05B3/10 (71)Name of Applicant : (31) Priority Document No :PCT/JP2009/057388 1)SAKAMOTO Atsunobu (32) Priority Date :24/11/2009 Address of Applicant: 3 10 15 Minamiyama Shiroi city Chiba (33) Name of priority country :Japan 2701423 Japan 2)SAKAMOTO Kazuko (86) International Application :PCT/JP2009/069793 No 3)YAMADA Kazukuni :24/11/2009 Filing Date (72)Name of Inventor: (87) International Publication 1)SAKAMOTO Atsunobu :WO 2010/116567 2)SAKAMOTO Kazuko (61) Patent of Addition to 3)YAMADA Kazukuni :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A heavy transformer is essential to an impulse heat sealer because the heater wire is short and wide. However when thin slits are made in the strip heater wire from the opposite sides and the strip heater wire is elongated in zigzag the transformer can be eliminated. However in order to use the elongated heater wire in countries using a rated voltage of 200 240V without risk such a structure that a hand does not touch the bare heater wire semipermanently generated heat comes out quickly on the surface and disappears is required. A ceramics thin plate of good heat conductor and electrical insulator consisting of aluminum nitride for example and having a thickness of 0.6 mm is placed on the heating portion of a zigzag heater wire of a metal resistor thin plate the entire periphery is surrounded by a thermal electrical insulator such as a glass cloth while leaving the upper surface thereof and then the whole is made to adhere and fixed onto the heat dissipation base. The good heat conductor and electrical insulator is further reinforced with a heater reinforcement as required.

No. of Pages: 53 No. of Claims: 4

(21) Application No.5500/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: TOPICAL USE OF HYDROXYTYROSOL AND DERIVATIVES FOR THE PREVENTION OF HIV **INFECTION**

(51) International :A61K31/05,A61K9/06,A61P31/18 classification

(31) Priority Document No :09382267.4 :01/12/2009

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

(86) International Application

:PCT/EP2010/068673 No

:01/12/2010 Filing Date

(87) International Publication

:WO 2011/067302

(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)SEPROX BIOTECH S.L.

Address of Applicant :Conde de Aranda 16 1º Dcha. E 28001

Madrid Spain

(72)Name of Inventor:

1)GMEZ ACEBO Eduardo 2)ALCAMI PERTEJO Jos 3)AUNON CALLES David

### (57) Abstract:

The present invention is directed to a topical pharmaceutical composition which comprises a compound of formula (I) such as hydroxytyrosol or a pharmaceutically acceptable salt solvate prodrug or isomer thereof and a pharmaceutically acceptable carrier (I) wherein R1 R2 and R3 take different values and the use of said composition as medicament in the prevention of sexually transmitted diseases (STDs) such as HIV infection.

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

(21) Application No.5501/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: ORALLY ADMINISTRABLE FILM DOSAGE FORMS CONTAINING ONDANSETRON

(51) International :A61K9/00,A61K47/32,A61K47/34 classification

(31) Priority Document No :61/290376 (32) Priority Date :28/12/2009

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

(86) International Application :PCT/US2010/062134

No :27/12/2010 Filing Date

(87) International Publication :WO 2011/090694

(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)MONOSOL RX LLC

Address of Applicant: 30 Technology Drive Warren NJ 07059

U.S.A.

(72)Name of Inventor:

1)MYERS Garry L. 2)MADHU Hariharan

(57) Abstract:

The invention relates to orally administrable disintegrating film dosage forms which include ondansetron and methods of orally administering the film dosage forms.

No. of Pages: 37 No. of Claims: 44

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: UNIVERSAL INPUT POWER SUPPLY UTILIZING PARALLEL POWER MODULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:21/12/2010 :WO 2011/082018 :NA :NA :NA	(71)Name of Applicant:  1)ITT MANUFACTURING ENTERPRISES INC. Address of Applicant:1105 N. Market Street Wilimington DE 19801 U.S.A. (72)Name of Inventor: 1)WINN Jackie L.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A universal power supply for use in a plasma arc system is disclosed. The power supply can include a plurality of power modules for providing a DC output from an AC input. Each of the power modules can include a rectifier a converter an inverter an isolation transformer and an output rectifier. The power modules can include a power module controller configured to control at least one of the rectifier the converter or the inverter such that a DC output can be obtained from a wide variety of AC inputs. The power modules can be connected in parallel to provide a wide range of DC output currents for the power supply. The universal power supply can include a master controller coupled to each of the individual power module controllers to regulate the DC output current of the power supply by controlling the individual power module controllers.

No. of Pages: 22 No. of Claims: 20

(12) THE THE LIGHT OF TODE CHILD

(21) Application No.5490/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : LOCKING DEVICE RAIL ADJUSTMENT SYSTEM VEHICLE SEAT AND METHOD FOR PRODUCING A RAIL ADJUSTMENT 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>	:10 2009 060 431.6 :22/12/2009 :Germany :PCT/EP2010/007602 :14/12/2010 :WO 2011/085768 :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)SCHMALE Uwe 2)GIORGIO Denis 3)EWALD Tobias
	:NA :NA	3)EWALD Tobias
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a locking device (1) for the longitudinal adjustment of a motor vehicle component in particular a vehicle seat wherein the locking device (1) has a blocking means (103) which can be pivoted between an unlocking position in which an upper rail (2) can be slid in the longitudinal direction relative to a lower rail (3) and a locking position in which the upper rail is locked in the longitudinal direction relative to the lower rail wherein at least one bearing element (104) of the blocking means (103) is pivotably supported relative to at least one bearing tab (5) and wherein the blocking means (103) is preloaded into the locking position by means of at least one spring (6) wherein the spring (6) is also intended to retain the bearing element (104) in the bearing tab (5).

No. of Pages: 27 No. of Claims: 16

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD AND DEVICE FOR REDUCING IRON ORE CONTAINING FEED MATERIALS OR FOR PRODUCING PIG IRON OR LIQUID STEEL PRE PRODUCTS

(51) International classification	:C21B13/00	(71)Name of Applicant:
(31) Priority Document No	:A49/2010	1)SIEMENS VAI METALS TECHNOLOGIES GMBH
(32) Priority Date	:15/01/2010	Address of Applicant :Turmstrae 44 A 4031 Linz Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/068615	1)EDER Thomas
Filing Date	:01/12/2010	2)MILLNER Robert
(87) International Publication No	:WO 2011/085863	3)PLAUL Jan Friedemann
(61) Patent of Addition to Application	:NA	4)REIN Norbert
Number		5)ZEHETBAUER Karl
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		•

# (57) Abstract:

The invention relates to a method and device for reducing iron ore containing feed materials or for producing pig iron or liquid steel pre products in a melting unit 1 wherein the feed materials are at least partially reduced in at least one reducing unit R1 by means of a reduction gas and optionally at least a part of the at least partially reduced feed materials is melted down in a melting unit 1 feeding coal or coke and oxygen containing gas the reduction gas being formed at the same time. The reduction gas or an externally produced reduction gas is fed to the reducing unit R1. In case the production of the pig iron or steel pre products is interrupted the at least one reducing unit R1 is emptied and the at least partially reduced feed materials are introduced into at least one vessel 5 and kept under a non oxidizing protective gas atmosphere.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: A COMPUTED TOMOGRAPHY IMAGING PROCESS AND SYSTEM

(51) International classification :A61B6/00,G01K9/00,G06T9/00 (71)Name of Applicant :

(31) Priority Document No :2010900104 (32) Priority Date :13/01/2010

(33) Name of priority country :Australia

(86) International Application No:PCT/AU2011/000038

Filing Date :13/01/2011 (87) International Publication No: WO 2011/085448

(61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)THE AUSTRALIAN NATIONAL UNIVERSITY

Address of Applicant: Acton Australian Capital Territory 0200

Australia

(72)Name of Inventor:

1)KINGSTON Andrew Maurice 2)SHEPPARD Adrian Paul 3)VARSLOT Trond Karsten 4)LATHAM Shane Jamie 5)SAKELLARIOU Arthur

(57) Abstract:

A computed tomography imaging process including: accessing projection data representing two dimensional projection images of an object acquired using a misaligned tomographic imaging apparatus; and processing the projection data to generate misalignment data representing one or more values that quantify respective misalignments of the tomographic imaging apparatus.

No. of Pages: 58 No. of Claims: 30

(21) Application No.5493/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METAL COATED STEEL STRIP

(51) International classification: C23C2/12,C22C21/10,C22C18/04 (71) Name of Applicant:

(31) Priority Document No :2010900043 (32) Priority Date :06/01/2010

(33) Name of priority country :Australia (86) International Application

:PCT/AU2011/000010 No :06/01/2011

Filing Date

(87) International Publication :WO 2011/082450

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

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

1)BLUESCOPE STEEL LIMITED

Address of Applicant: Level 11 120 Collins Street Melbourne

Victoria 3000 Australia (72)Name of Inventor:

1)SMITH Ross McDowall

2)LIU Qiyang 3)WILLIAMS Joe

4) NEUFELD Aaron Kiffer 5) GRIFFITHS Scott Robin

(57) Abstract:

A steel strip that has a coating of an Al Zn Si alloy that contains 0.3 10 wt.% Mg and 0.005 0.2 wt.% V.

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

(21) Application No.5494/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD OF BEAM WELDING OF AN IMPELLER WITH PERFORMANCE OF TWO PASSES ON A SLOT; IMPELLER AND TURBO MACHINE HAVING SUCH WELD CONFIGURATION

(51) International :B23K15/00,B23K26/06,B23K26/26

classification

(31) Priority Document No :CO2009A000063 (32) Priority Date :11/12/2009

(33) Name of priority country: Italy

(86) International :PCT/EP2010/069022 Application No :07/12/2010

Filing Date

(87) International Publication :WO 2011/069989

(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)NUOVO PIGNONE S.P.A.

Address of Applicant :Via Felice Matteucci 2 I 50127

Florence Italy

(72)Name of Inventor: 1)CANTELLI Ugo 2)MINIATI Enzo 3)INNOCENTI Mirco

### (57) Abstract:

The method according to these exemplary embodiments provides welding techniques for impeller blades (60) associated with impellers in centrifugal compressors. According to one exemplary embodiment a connection area of the impeller blade (60) has a hammer shaped cross sectional area (70) which facilitates beam welding of the connection area to a slot in the surface or body to which the blade (60) is to be connected.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TUNGSTEN CARBIDE INSERTS FOR A GAS TURBINE LINER AND METHOD

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:CO2009A000065	1)NUOVO PIGNONE S.p.A.
(32) Priority Date	:15/12/2009	Address of Applicant :Via Felice Matteucci 2 I 50127
(33) Name of priority country	:Italy	Florence Italy
(86) International Application No	:PCT/EP2010/069239	(72)Name of Inventor:
Filing Date	:09/12/2010	1)GIANNOZZI Massimo
(87) International Publication No	:WO 2011/073075	2)DEL PUGLIA Eugenio
(61) Patent of Addition to Application	:NA	3)ROMANELLI Marco
Number		4)CAPPUCCINI Filippo
Filing Date	:NA	5)PIETRANGELI Emanuele
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Systems and methods provide for wear reduction in a combustion system of a gas turbine. A system for wear reduction includes: at least one substantially H shaped block (202) the substantially H shaped block (202) being configured to secure a transition piece (10) of a gas turbine combustor to a support piece; a first insert including a tungsten carbide in a metal matrix the metal matrix being selected from a group including cobalt and nickel; and a brazing material which is used in brazing the first insert to the at least one substantially H shaped block (202) in at least one location on an interior wear surface of the at least one substantially H shaped block (202).

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

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TRANSGENIC MAIZE EVENT MON 87427 AND THE RELATIVE DEVELOPMENT SCALE

(51) International classification: A01H5/00,C12Q1/68,C07H21/04 (31) Priority Document No: 61/263530 (32) Priority Date: 23/11/2009 (33) Name of priority country: U.S.A. (86) International Application: PCT/US2010/056853: 16/11/2010  Filing Date: WO 2011/062904 (61) Patent of Addition to: Application Number: Filing Date: NA: NA: NA Filing Date: NA: NA: NA: NA: NA: NA: NA: NA: NA: NA	(71)Name of Applicant: 1)MONSANTO TECHNOLOGY LLC Address of Applicant:800 North Lindbergh Boulevard Mail Zone E1NA St. Louis MO 63167 U.S.A. 2)FENG Paul C.C. 3)FONSECA Agustin E. 4)GARNAAT Carl W. 5)HEREDIA Oscar 6)HUANG Jintai 7)KELLY Rebecca A. 8)QI Youlin 9)STOECKER Martin A. (72)Name of Inventor: 1)FENG Paul C.C. 2)FONSECA Agustin E. 3)GARNAAT Carl W. 4)HEREDIA Oscar 5)HUANG Jintai 6)KELLY Rebecca A. 7)QI Youlin 8)STOECKER Martin A.
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### (57) Abstract:

The invention provides transgenic maize event MON 87427 and plants plant cells seeds plant parts and commodity products derived from event MON 87427. The invention also provides nucleotides specific for transgenic maize event MON 87427 and plants plant cells seeds plant parts and commodity products comprising nucleotides specific for transgenic maize event MON 87427. The invention also provides methods related to transgenic maize event MON 87427 and to the Roundup Hybridization System (RHS). The invention also provides a Relative Development Scale useful for monitoring and determining reproductive development in maize that reconciles developmental differences across various maize varieties. This is useful for determining the optimal timing of a treatment regimen in which tassel development stage is an important factor including various methods in making hybrid seed.

No. of Pages: 106 No. of Claims: 38

(21) Application No.5397/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: USE OF POLYSACCHARIDES FOR TREATING STRESS AND ANXIETY

(51) International :A61K31/55,A61K31/715,A61K31/718 classification

(31) Priority Document :09 59605

(32) Priority Date :24/12/2009

(33) Name of priority :France

country

(86) International

:PCT/FR2010/052911 Application No :23/12/2010

Filing Date (87) International :WO 2011/077063

**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)ROQUETTE FRERES

Address of Applicant :F 62136 Lestrem France

2)GUERIN DEREMAUX La«titia

3)WILS Daniel

(72)Name of Inventor:

1) GUERIN DEREMAUX La«titia

2)WILS Daniel

### (57) Abstract:

The present invention relates to a composition including a mix of a polysaccharides having: 15% to 50% of glucoside linkages 1 6; a reducing sugar content of less than 20%; a polymolecularity index of less than 5; an average molecular weight with number Mn of less than 4500 g/mole and at least one active agent for treating stress anxiety and depressive behaviour sleep disorders obsessive compulsive disorder bulimia and epilepsy in humans or animals. The present invention also relates to the use of said polysaccharide for treating stress anxiety or depressive behaviour sleep disorders obsessive compulsive disorder bulimia and epilepsy in humans or animals.

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

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: POWER SUPPLY SYSTEM FOR RADIO BASE STATION

(51) International :H02J3/46,H02J7/14,H02J7/32,H02J7/34 classification

(31) Priority Document :09509795

(19) INDIA

:17/12/2009 (32) Priority Date (33) Name of priority

country

:Sweden

(86) International Application No

:PCT/SE2010/051394 :16/12/2010

Filing Date

(87) International :WO 2011/075062

**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)SITETEL SWEDEN AB

(21) Application No.5398/DELNP/2012 A

Address of Applicant :Box 7039 S 192 07 Sollentuna Sweden

(72)Name of Inventor: 1)THOUR Krister

2)SKOGBERG Lars Gunnar

### (57) Abstract:

The present invention relates to a method for supplying power to a radio base station comprising the steps of controlling power supply to said radio base station from a battery set such that all power to the base station is supplied from the battery set and initiating charging of said battery set from an external energy source when the energy level of said battery set falls below a first preset energy level and terminating the charging when the energy level of said battery set exceeds a second preset energy level. Further the present invention relates to a controller for supplying energy to a radio base station and a system comprising such a controller.

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

(21) Application No.5399/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: FLOW HEATERS

(51) International classification (31) Priority Document No :0922264.7 (32) Priority Date :21/12/2009

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

(86) International Application No:PCT/GB2010/052166

Filing Date :20/12/2010 (87) International Publication No: WO 2011/077135

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

(62) Divisional to Application :NA Number :NA

Filing Date

# :A47J31/54,F24H1/10,F24H1/00 (71)Name of Applicant :

## 1)STRIX LIMITED

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IM9 2RG U.K.

(72)Name of Inventor: 1)MOUGHTON Colin 2)GARVEY Vincent Joseph

3)ZHENG Yicai

4)GIBBS Nicholas Edward

#### (57) Abstract:

A flow heater comprises a heating element (48; 248) and a first heating region (18 20; 218 220) heated by the heating element (48; 248) for heating liquid flowing therethrough to a first temperature below boiling. The flow heater also comprises a second heating region (22; 222) for heating the liquid to a second temperature below boiling. The second region (22; 222) has means (25; 225) for permitting the exit of steam therefrom separately from heated liquid. The flow heater cannot be operated so that bulk boiling of said liquid takes place in the second region (22; 222).

No. of Pages: 63 No. of Claims: 53

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COMPOUNDS FOR THE TREATMENT OF NEUROLOGIC DISORDERS

(51) International classification :A01N43/40,A61 (31) Priority Document No :61/286708 (32) Priority Date :15/12/2009 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/060571

Filing Date :15/12/2010 (87) International Publication No :WO 2011/075537

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

:A01N43/40,A61K31/445 (71)Name of Applicant :

1)NEUROP INC.

Address of Applicant :Collabtech First Floor Suite 122 58 Edgewood Road Atlanta GA 30303 2921 U.S.A.

(72)Name of Inventor:

1)KAMALESH BABU Ruppa Poornachary

2)MYERS Scott James

### (57) Abstract:

Provided are compounds pharmaceutical compositions and methods of treatment or prophylaxis of certain neurologic disorders including disorders related to NMDA receptor activation including neuropsychiatric disorders neurodegenerative diorders and other neurologic diseases disorders and conditions including stroke brain injury epilepsy neuropsychiatric disorders mood disorders chronic pain and related conditions. The compounds are of the general Formula I [structure] or a pharmaceutically acceptable salt ester prodrug or derivative thereof are provided: wherein Ar1 Ar2; m n p and q; A; R3; Q; Y; R; X; and Z are defined herein.

No. of Pages: 103 No. of Claims: 19

(21) Application No.1106/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SWITCH WITH MULTIPLEXING UNIT

(51) International classification	:H03K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MINDA INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant: Village Nawada Fatehpur P.O.
(33) Name of priority country	:NA	Sikanderpur Badda Distt. Gurgaon Haryana 122004 India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Manmeet Singh
(87) International Publication No	: NA	2)Rajiv Rathore
(61) Patent of Addition to Application Number	:NA	3)Surender Kumar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention provides a switch unit with a multiplexing unit for providing multiplexing of plurality of switch elements thereby reducing wires in the wiring harness providing electrical connections between the switch unit electronic control unit.

No. of Pages: 33 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Pub

(43) Publication Date: 07/03/2014

(21) Application No.5400/DELNP/2012 A

# (54) Title of the invention: COMPOSITE RINGS FOR IMPELLER SHAFT FITTING

(71)Name of Applicant: (51) International classification :F04D29/26 1)NUOVO PIGNONE S.P.A (31) Priority Document No :CO2009A000064 Address of Applicant: Via Felice Matteucci 2 I 50127 (32) Priority Date :11/12/2009 Florence Italy (33) Name of priority country :Italy 2)GIOVANNETTI Iacopo (86) International Application No :PCT/EP2010/069026 3)GIANNOZZI Massimo Filing Date :07/12/2010 4)BIGI Manuele (87) International Publication No :WO 2011/069991 5)MASSINI Andrea (61) Patent of Addition to Application :NA (72)Name of Inventor: Number :NA 1)GIOVANNETTI Iacopo Filing Date 2)GIANNOZZI Massimo (62) Divisional to Application Number :NA 3)BIGI Manuele Filing Date :NA 4)MASSINI Andrea

#### (57) Abstract:

Systems and methods for attaching one or more impellers to a shaft and attaching composite rings to a back and front lip on each impeller to secure the impellers for high angular velocity operation. The composite rings are constructed of a material that provides a greater specific strength and greater specific stiffness relative to the material of the impellers. In multi impeller assemblies an impeller spacer is attached between each pair of impellers.

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

(21) Application No.5515/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: EXTRACTS AND BEVERAGES CONTAINING 2 5 PIPERAZINEDIONE 3 6 BIS (PHENYLMETHYL) (3S 6S)

(51) International classification :A23L2/52,A23L1/313,A61K9/20 (71)Name of Applicant:

(31) Priority Document No :2009296287 (32) Priority Date :25/12/2009

(33) Name of priority country :Japan

(86) International Application :PCT/JP2010/053592

No

:26/02/2010 Filing Date

(87) International Publication

:WO 2011/077759 No

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)SUNTORY HOLDINGS LIMITED

Address of Applicant: 1 40 Dojimahama 2 chome Kita ku

Osaka shi Osaka 5308203 Japan

2) CEREBOS PACIFIC LIMITED

(72)Name of Inventor:

1)MATSUBAYASHI Hideki

2)YAMAMOTO Kenji

3)WATANABE Hiroshi

4)HONG Lee Kian

(57) Abstract:

The present invention aims to provide extracts or beverages containing 2.5 piperazinedione 3.6 bis(phenylmethyl) (3S.6S) which is a useful substance with an improving effect on learning motivation in an easy to ingest form and at a high concentration. Extracts or beverages whose ratio between the content of 2.5 piperazinedione 3.6 bis(phenylmethyl) (3S.6S) (unit:µg/100g)and Brix(Bx)is 6(µg/100g)/Bx or more can be ingested continuously over a long period of time as foods and beverages useful for improvement of learning motivation.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: EJECTION DEVICE FOR EJECTING SMALL DOSES

(51) International :A61C5/06,A61M5/315,A61M5/00 classification

(31) Priority Document No :0958814 :09/12/2009 (32) Priority Date

(33) Name of priority country :France

(86) International Application :PCT/EP2010/069278

No :09/12/2010

Filing Date

(87) International Publication

:WO 2011/070112

(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)PRIMEQUAL SA

Address of Applicant: 17 rue des Pierres du Niton CH 1207

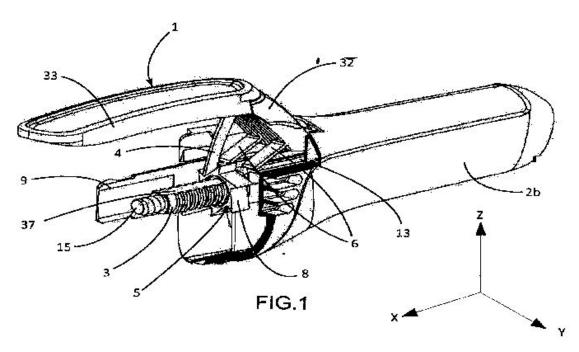
Gen"ve Switzerland (72)Name of Inventor:

1)WEILL David

2) CHASSOT Pierre Yves

# (57) Abstract:

The invention relates to a device for ejecting a liquid or paste product including a body (2) having a recess (11) for receiving a product to be ejected characterized in that it includes a threaded rod (3) which is translatably movable so as to act on the product to be ejected a bolt (5) which is mounted so as to engage with the threaded rod (3) in order to cause same to translatably move and a lever (1) acting on the bolt (5) by means of a control means for causing the rotation thereof.



No. of Pages: 39 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: LEARNING MOTIVATION IMPROVERS

(51) International :A61K31/496,A61K31/498,A61P25/24

classification

(31) Priority Document No: 2009296164 :25/12/2009 (32) Priority Date (33) Name of priority

:Japan country

(86) International

:PCT/JP2010/053594 Application No

:26/02/2010 Filing Date

(87) International :WO 2011/077760 Publication No

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

:NA

(71)Name of Applicant:

1)SUNTORY HOLDINGS LIMITED

(21) Application No.5517/DELNP/2012 A

Address of Applicant: 1 40 Dojimahama 2 chome Kita ku

Osaka shi Osaka 5308203 Japan

2) CEREBOS PACIFIC LIMITED

(72)Name of Inventor: 1)TSURUOKA Nobuo 2)BEPPU Yoshinori 3)KOUDA Hirofumi

4)WATANABE Hiroshi

(57) Abstract:

Filing Date

The present invention aims to provide antidepressants which are free from the problem of side effects and are excellent in safety. The present invention also aims to provide learning motivation improvers which are useful for improvement of learning motivation and can be ingested continuously. The present invention provides antidepressants and learning motivation improvers each comprising a cyclic dipeptide with the 2 5 diketopiperazine structure as an active ingredient.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: GAS MIST INHALER

(51) International classification :A61M15/02,A61M11/02,A61M16/06

(31) Priority Document No :2010150848

(32) Priority Date :01/07/2010 (33) Name of priority

country :Japan

(86) International :PCT/JP2011/064910

Application No Filing Date :PC1/3F2011

(87) International Publication No :WO 2012/002433

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

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

(71)Name of Applicant: 1)ACP JAPAN CO. LTD.

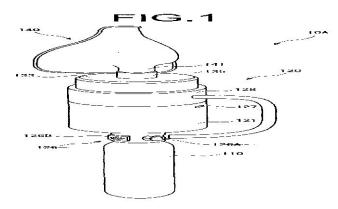
Address of Applicant :27 3 Hongo 2 chome Bunkyo ku Tokyo

1130033 Japan

(72)Name of Inventor : 1)NAKAMURA Shoichi

### (57) Abstract:

Disclosed is a gas mist inhaler that is simple to use and highly effective by using the physiological effects of either carbon dioxide gas or oxygen. The gas mist inhaler comprises a gas supply means (10) for supplying oxygen carbon dioxide gas or a mixture of oxygen and carbon dioxide gas; a gas mist generator means (120) for generating a gas mist wherein the gas and a fluid are dissolved and atomized further comprising a fluid storage unit that is connected to the gas supply means and stores a fluid a nozzle that supplies the gas under pressure a liquid absorption tube that conveys the fluid to the leading end of the nozzle and a vent hole (127) for intake of external air; and an inhaler member (140) which is connected to the gas mist generator means (120) further comprising an inhaler port for making a lifeform inhale the gas mist. The gas mist generator means (120) further comprises a gas introduction means for supplying gas within the gas mist generator means (120) separately from the nozzle and which is for increasing the supply pressure of the gas mist to the inhaler member (140).



No. of Pages: 31 No. of Claims: 12

(21) Application No.5511/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: REFLOW FURNACE

(51) International classification :B23K3/08,B23K1/008,F27B9/24 (71)Name of Applicant:

(31) Priority Document No :2009282261 (32) Priority Date :11/12/2009

(33) Name of priority country :Japan

(86) International Application :PCT/JP2010/071903

:07/12/2010 Filing Date

(87) International Publication

:WO 2011/071041

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)SENJU METAL INDUSTRY CO. LTD.

Address of Applicant :23 SENJU HASHIDO CHO ADACHI

KU Tokyo 1208555 Japan (72)Name of Inventor:

1)SUGIHARA Takashi 2)TAGUCHI Hiroshi 3)KASAHARA Daisuke 4)HOSOKAWA Koichiro 5)SAITO Yuta

(57) Abstract:

Disclosed is a reflow furnace wherein in order to prevent a vaporized flux from being adhered and solidified on motor rotating shafts for rotating fans disposed in a preheating zone a main heating zone and a cooling zone the vaporized flux is efficiently and reliably recovered in a liquefied state wherein the flux has a fluidity higher than the fluidity with which the flux is solidified. A drain section (20) that constitutes a flux recovering device (10A) is formed at the periphery of a rotating shaft (14) said periphery being on the side that faces the fan of a motor base (16). The drain section (20) surface facing the fan forms a tilted surface (20A) that tilts toward an outlet (46) provided on the rear side of the motor base (16) from the flat surface position of the motor base (16). The flux gathered to the center portion of the motor base (16) by rotary drive of the fan is made to flow into the drain section (20) formed at the center portion of the motor base (16) and to flow along the tilted surface (20A) and the flux is stored in a recovering container (34) from the drain section (20) via the outlet (46) a drain tube and a pipe (48).

No. of Pages: 76 No. of Claims: 12

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: OLED DISPLAY ARCHITECTURE WITH IMPROVED APERTURE RATIO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H01L27/32 :61/283313 :02/12/2009 :U.S.A. :PCT/US2010/058224 :29/11/2010 :WO 2011/068761 :NA :NA	(71)Name of Applicant:  1)UNIVERSAL DISPLAY CORPORATION Address of Applicant: 375 Phillips Boulevard Ewing New Jersey 08618 U.S.A. (72)Name of Inventor: 1)SO Woo Young
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A device such as a display region that includes a plurality of multi color pixels is provided. Each pixel may have several types of organic light emitting devices that operate as sub pixels and at least one type of device may be shared by multiple pixels. Less used and/or more efficient device types such as deep blue and green light emitting devices may be shared between multiple pixels leading to an improved aperture ratio and fill factor for the device.

No. of Pages: 37 No. of Claims: 22

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONDUCTIVE CABLE SYSTEM FOR SUSPENDING A LOW VOLTAGE LUMINAIRE ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:27/10/2010 :WO 2011/066054 :NA :NA :NA	(71)Name of Applicant:  1)GRIPLOCK SYSTEMS LLC  Address of Applicant: 410 Palm Avenue Loft A 18 Carpinteria CA 93013 U.S.A. (72)Name of Inventor:  1)NAPIER Hugo 2)KWAST Ryan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A low voltage cable for providing low voltage power to an electrically powered assembly such as a luminaire fixture and for attaching the luminaire fixture to the cable and to structure using a cable gripping device in such a way that the assembly can be adjusted is disclosed. The cable comprises a conductive strand composed of a first metallic material and a plurality of strength strands wound around the conductive strand where the plurality of strength strands is of a second metallic material. The first metallic material is substantially more conductive than the second metallic material and the second metallic material has substantially greater tensile strength than the first metallic material. This allows the cable to conduct a low voltage feed across the conductive strand and allows the strength strands cable to mostly support the tension load particularly of a hanging luminaire fixture as well as resisting lateral compressive forces from a cable gripping device.

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

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR ANAEROBIC TREATMENT OF ORGANICALLY POLLUTED WASTE WATER

(51) International classification	:C02F3/28	(71)Name of Applicant:
(31) Priority Document No	:10 2010 000 159.7	1)BREMER ARBEITSGEMEINSCHAFT FR
(32) Priority Date	:21/01/2010	BERSEEFORSCHUNG UND ENTWICKLUNG (BREMEN
(33) Name of priority country	:Germany	OVERSEAS RESEARCH AND DEVELOPMENT
(86) International Application No	:PCT/EP2011/050131	ASSOCIATION) BORDA e. V.
Filing Date	:06/01/2011	Address of Applicant :Industriestr. 20 28199 Bremen Germany
(87) International Publication No	:WO 2011/089032	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)ULRICH Andreas
Number		2)FLADERER Frank
Filing Date	:NA	3)SCHMIDT Andreas
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alastra et .		l

#### (57) Abstract:

The invention relates to a system (A) according to figure 1 for anaerobic treatment of organically polluted waste water by means of which the waste water can be conducted in a horizontal general flow direction (16) rising and descending solely under the effects of gravity and/or the pressure of the biogas produced by the waste water comprising a container (1) having a front wall (4) a floor (5) a rear wall (6) a ceiling (7) and two side walls (13) an inlet (2) an outlet (3) and reaction chambers which are arranged successively in the direction of flow and fluidically connected to each other which are formed by vertical partitions (8.1) which are connected at least liquid tight to the floor (5) and the side walls (16) wherein the partitions (8.1) have flow devices (9) in the upper region which are connected to the preceding reaction chamber and to a vertically running device (10) having a liquid outlet opening (10.1) and a gas outlet opening (10.2) in the next reaction chamber and at least one separating device (11) in the lower region by means of which a fluid connection can be established between two reaction chambers.

No. of Pages: 51 No. of Claims: 21

(21) Application No.5406/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PUMP CONTROL UNIT FOR HYDRAULIC SYSTEM

(51) International classification :E02F9/22,F15B11/00,F15B11/17 | (71) Name of Applicant :

:02/02/2011

(31) Priority Document No :2010022516 (32) Priority Date :03/02/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/052150

Filing Date

(87) International Publication :WO 2011/096435

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

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

1)HITACHI CONSTRUCTION MACHINERY CO. LTD.

Address of Applicant :5 1 Koraku 2 chome Bunkyo ku Tokyo

1128563 Japan

(72)Name of Inventor:

1)OKANO Yasuo

2)NAKAMURA Tsuvoshi

3)ISHIKAWA Kouji

During swing start up a control operation for changing the maximum absorption torque of a second hydraulic pump to Tb or Tc according to the discharge pressure of the second hydraulic pump (3) is performed in a pump torque calculating unit (43) using discharge pressure a pump torque calculating unit (44) using swing operating pressure and a maximum value selecting section (45) of a controller (38). During a swing combined operation where swing is combined with other actions a calculation for subtracting the maximum absorption torque Tp2 of the second hydraulic pump (3) from the total pump torque Tr0 is performed in a subtraction section (47). Thereby a control operation is performed wherein the amount of the torque of the second hydraulic pump (3) by which a reduction is made is allocated to a first hydraulic pump (2) which pertains to actuators other than a swing motor (7). On account of the above a reduction is made in energy loss due to pressure relief during swing start up resulting in increased energy efficiency. Furthermore in a transition process to constant speed subsequent to swing start up a required flow rate is supplied to the swing motor with the result that a constant speed swing state is smoothly reached leading to operational efficiency and combined operability being improved.

No. of Pages: 67 No. of Claims: 3

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : LSI FAIL SAFE LSI FOR RAILWAYS ELECTRONIC DEVICE AND ELECTRONIC DEVICE FOR RAILWAYS

(51) International (71)Name of Applicant: :H01L21/822,G06F11/18,G06F15/78 1)HITACHI LTD. classification (31) Priority Document No Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku :2009296659 :28/12/2009 Tokyo 1008280 Japan (32) Priority Date (33) Name of priority (72)Name of Inventor: :Japan country 1)NAKAMIKAWA Tetsuaki (86) International 2)SHIMAMURA Kotaro :PCT/JP2010/072953 Application No 3)SAKUYAMA Hideo :21/12/2010 Filing Date 4)TAKEHARA Takeshi (87) International :WO 2011/081052 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

Conventional fail safe LSIs have been used for the placement of processors and comparators in chips but have not been used for the placement of package signal pins. The adaptability of fail safe LSIs to various peripheral circuits and high speed memory has also not been considered. An integrated internal interface in which the output from two processors is matched is connected to a common line internal bus and a plurality of external interface circuits are connected to the common line internal bus. Furthermore signal pins corresponding to two systems are disposed at opposite corners of a package and signal pins corresponding to a common line are disposed therebetween.

No. of Pages: 75 No. of Claims: 24

(21) Application No.5521/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: PROCESSES FOR PREPARATION OF POLYMORPHIC FORMS OF LACOSAMIDE

(51) International :C07C231/22,C07C237/06,A61K31/165 classification

:19/11/2009

:19/11/2010

:India

:2385/DEL/2009

:PCT/IB2010/002963

:WO 2011/061610

(31) Priority Document

(32) Priority Date

(33) Name of priority country

(86) International

Application No Filing Date

(87) International

**Publication No** 

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

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

(71)Name of Applicant:

1)RANBAXY LABORATORIES LIMITED

Address of Applicant :12th Floor Devika Tower 06 Nehru

Place New Delhi 110019 India

(72)Name of Inventor:

1)MADHRA Mukesh Kumar 2)SRIRAM Hari Mohan 3)SHARMA Mukesh Kumar 4)JHA Satish Chandra

(57) Abstract:

The present invention relates to processes for the preparation of crystalline polymorphic forms of lacosamide (Formula I) including processes for inter conversion among such polymorphic forms.

No. of Pages: 34 No. of Claims: 27

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : ELASTOMERIC HIGH CAPACITY LAMINATED ROTARY WING AIRCRAFT BEARING FOR ROTARY WING AIRCRAFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:23/11/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)LORD CORPORATION  Address of Applicant:111 Lord Drive PO Box 8012 Cary  NC 27512-8012 U.S.A.  (72)Name of Inventor:  1)JAMES Frank O.
Filing Date	:NA	

#### (57) Abstract:

A rotary wing aircraft bearing for providing constrained relative motion between a first rotary wing aircraft member and a second rotary wing aircraft member. The bearing includes an elastomeric mold bonded laminated subassembly the elastomeric moid bonded laminated subassembly including a plurality of mold bonded alternating layers of interior nonelastomeric shim members and interior elastomeric shim members the interior elastomeric shim members including a first laminate end elastomeric shim and a distal second laminate end elastomeric shim. The first laminate end elastomeric shim has a first side mold bonded to a first end interior nonelastomeric shim member and a second side mold bonded to a first metal first laminate end structural bond shim.

No. of Pages: 48 No. of Claims: 34

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application: 19/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention : SOLAR THERMAL POWER PLANT AND METHOD FOR OPERATING A SOLAR THERMAL POWER PLANT

(21) Application No.5454/DELNP/2012 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 2009 060 091.4 :22/12/2009 :Germany	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT  Address of Applicant: Wittelsbacherplatz 2 80333 M½nchen Germany (72)Name of Inventor:  1)BIRNBAUM J¼rgen 2)GOTTFRIED Peter 3)PREITL Zsuzsa 4)THOMAS Frank
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#### (57) Abstract:

(19) INDIA

The invention relates to a solar thermal power plant (1) comprising a solar collector steam generator unit (2) for generating steam a solar collector steam superheater unit (4) downstream of the solar collector steam generator unit (2) for superheating the steam and a steam turbine (40) which is connected to an outlet of the solar collector steam superheater unit (4) via a steam conduit system (13) superheated steam being supplied to the steam turbine when in use. The solar thermal power plant (1) comprises an intermediate storage (20) which is connected to the steam conduit system (13) at least in a first high temperature storage connecting point (HA1) interposed between the solar thermal steam superheater unit (4) and the steam turbine (40) to remove steam superheated in a storage mode from the steam conduit system (13) and which comprises a heat reservoir (22 23 24) in which thermal energy is drained from the steam fed into during the storage mode and is accumulated and the stored thermal energy is given off to the steam in an extraction mode said steam being fed to the steam conduit system (13) from the intermediate storage (20). The intermediate storage is connected to a condenser (65) and/or a relaxation device (89) of the solar thermal power plant (1) in a low temperature storage connecting point (NA3). The invention also relates to a method for operating said solar thermal power plant (1).

No. of Pages: 33 No. of Claims: 15

(21) Application No.5455/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF PHARMACEUTICAL COMPOSITIONS FOR THE SUSTAINED RELEASE OF SOMATOSTATIN ANALOGS

(51) International classification :A61K9/00,A61K38/31,A61K9/19 (71)Name of Applicant :

(31) Priority Document No :61/294644 (32) Priority Date :13/01/2010

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

(86) International Application :PCT/EP2011/000069

:11/01/2011 Filing Date

(87) International Publication :WO 2011/085957

(61) Patent of Addition to :NA

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

:NA Number :NA

Filing Date

1) IPSEN PHARMA S.A.S.

Address of Applicant :65 quai Georges Gorse F 92100

Boulogne Billancourt France

(72)Name of Inventor:

1)MONTES Martin

2)LOUGHMAN Thomas Ciaran

3)ROUME Chantal

4) CHERIF CHEIKH Roland

#### (57) Abstract:

The invention relates to a process for the preparation of injectable pharmaceutical compositions for the sustained release of somatostatin analogues and to pharmaceutical compositions prepared according to the process. In a preferred aspect the process comprises the steps of combining lanreotide acetate and acetic acid lyophilizing the resulting mixture only once and hydrating the lyophilizate. Acetic acid may be added to a desired pH during the final step of the process.

No. of Pages: 23 No. of Claims: 16

(22) Date of filing of Application :21/06/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: CASING FOR AN ELECTRICAL CONNECTOR

(51) International :H01R11/12,H01R4/34,H01R13/53 classification

(31) Priority Document No :0958278 :23/11/2009 (32) Priority Date (33) Name of priority country :France

(86) International Application :PCT/EP2010/066910

No :05/11/2010

Filing Date

(87) International Publication :WO 2011/061074 No

(61) Patent of Addition to

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

:NA Number :NA

Filing Date

(71)Name of Applicant:

1)TYCO ELECTRONICS FRANCE SAS

Address of Applicant :29 Chaussee Jules Cesar FR 95300

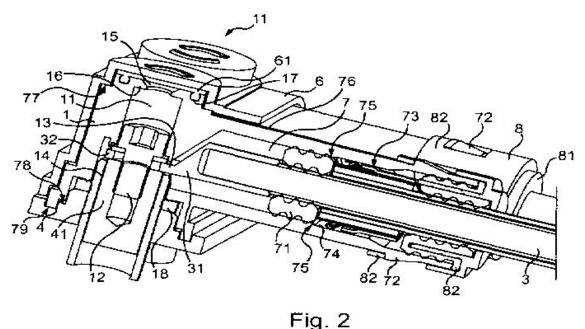
Pontoise France

(72)Name of Inventor:

1)PICAUD Jean Pierre 2)DUPONT Bruno

#### (57) Abstract:

An electrical connector (2) housing (1) for connecting at least one cable lug (31) to a threaded terminal of an electrical device (4) including for each lug a hole (11) for receiving a screw (12) for retaining a lug in a threaded terminal which hole has a lateral slot (13) designed to allow a lug to penetrate the hole a lower opening (14) for connecting the lug to a threaded terminal and an upper opening (15) designed to allow the passage of a screwing tool for the screw the size of the upper opening of the hole at its widest point being strictly less than the size of the hole at its widest point said opening being designed so as to allow the passage of the screwing tool and having a section which is less than the section of a human finger.



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

(22) Date of filing of Application :21/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD FOR APPLYING CARBON/TIN MIXTURES TO METAL OR ALLOY LAYERS

<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>	:C09D5/03,C09D5/24,C23C24/08 :10 2009 054 427.5 :25/11/2009 :Germany	(71)Name of Applicant:  1)KME GERMANY AG & CO. KG  Address of Applicant: Klosterstrasse 29 49074 Osnabr <sup>1</sup> / <sub>4</sub> ck  Germany
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to	:PCT/DE2010/001165 :01/10/2010 :WO 2011/063778	2)TYCO ELECTRONICS AMP GMBH 3)WIELAND WERKE AKTIENGESELLSCHAFT (72)Name of Inventor: 1)ADLER Udo 2)RODE Dirk 3)BURESCH Isabell
Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	4)WANG Jian 5)FRECKMANN Dominique 6)SCHMIDT Helge

# (57) Abstract:

The invention relates to a method for applying to a substrate a coating composition containing carbon in the form of carbon nanotubes graphenes fullerenes or mixtures thereof and metal particles. The invention further relates to the coated substrate produced by the method according to the invention and to the use of the coated substrate as an electromechanical component.

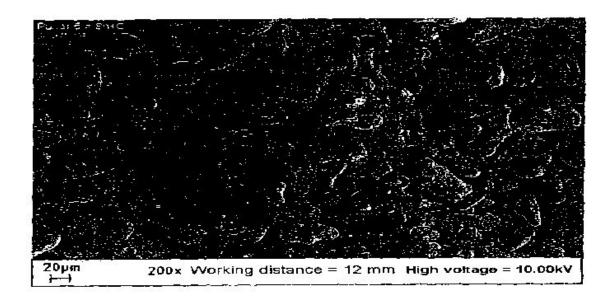


Fig. 1

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

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PROCESS FOR THE MANUFACTURE OF AT LEAST ONE ETHYLENE DERIVATIVE COMPOUND

(51) International classification	:C07C 17/02	(71)Name of Applicant :
(31) Priority Document No	:09177959.5	1)SOLVAY SA
(32) Priority Date	:03/12/2009	Address of Applicant :Rue de Ransbeek 310 B-1120 Brussels
(33) Name of priority country	:EPO	Belgium
(86) International Application No	:PCT/EP2010/068478	(72)Name of Inventor:
Filing Date	:30/11/2010	1)PETITJEAN Andr
(87) International Publication No	: NA	2)GIANSANTE Massimo
(61) Patent of Addition to Application	:NA	3)BALTHASART Dominique
Number	:NA	4)LEMPEREUR Michel
Filing Date	.11/1	5)K-TTER Joachim
(62) Divisional to Application Number	:NA	6)WINKLER Hans-Dieter
Filing Date	:NA	7)MEWS Peter

#### (57) Abstract:

Process for the manufacture of at least one ethylene derivative compound starting from a low value residual gas according to which a) the low value residual gas, optionally containing fraction E1 recycled from step d), is subjected to a series of treatment steps in a low value residual gas recovery unit in order to remove the undesirable components present therein and to obtain a mixture of products containing ethylene and other constituents; b) the said mixture of products is subjected to a first separation step S1 which consists of separating said products containing ethylene and other constituents into a fraction containing the compounds which are lighter than ethylene and part of the ethylene called fraction F1 and into a fraction F2; c) fraction F1 is sent to an ethylene recovery unit in which it is separated into a fraction enriched with ethylene called fraction E1 and into a fraction enriched with the compounds which are lighter than ethylene called light fraction; d) fraction E1 is recycled to step a) or is conveyed to the manufacture of at least one ethylene derivative compound; e) fraction F2 is subjected to a second separation step S2 which consists of separating fraction F2 into one fraction enriched with ethylene called fraction E2 or into two fractions enriched with ethylene called fractions E2a and E2b, and into a fraction enriched with ethane and hydrocarbon containing at least 3 carbon atoms called heavy fraction; f) fraction E2 or fractions E2a and E2b are then conveyed to the manufacture of at least one ethylene derivative compound.

No. of Pages: 68 No. of Claims: 11

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

:NA

:NA

# (54) Title of the invention: FEATURES OF A DATA ENTRY SYSTEM

:G06F3/023,G06F3/048 (71)Name of Applicant : (51) International classification (31) Priority Document No :202852 1)KEYLESS SYSTEMS LTD. (32) Priority Date :20/12/2009 Address of Applicant: 2 Yosef Hachmy Street Jerusalem (33) Name of priority country :Israel 96428 Israel (72)Name of Inventor: (86) International Application No :PCT/IL2010/001075 Filing Date :20/12/2010 1)GHASSABIAN Benjamin Firooz (87) International Publication No :WO 2011/073992 (61) Patent of Addition to Application :NA :NA Filing Date

(21) Application No.5577/DELNP/2012 A

### (57) Abstract:

Filing Date

(19) INDIA

A data entry system having an input interface adapted to identify a plurality of user interactions. The system includes a processor adapted to associate user interactions identified by the input interface with a plurality of letters of the alphabet such that all the letters of the alphabet are assigned to at most eight user interactions. Most of the letters are assigned to specific user interactions according to one or more features of their shape in their printed form such that most of the letters assigned to each user interaction have the same shape feature.

No. of Pages: 189 No. of Claims: 57

(62) Divisional to Application Number

(19) INDIA

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

(21) Application No.5579/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: HEMOSTATIC SPONGE

(51) International

:A61L15/42,A61L15/58,C09J171/02

classification

(31) Priority Document No :61/287088 (32) Priority Date :16/12/2009

(33) Name of priority country

:U.S.A.

(86) International :PCT/AT2010/000486

Application No Filing Date

:16/12/2010

(87) International Publication: WO 2011/079336

(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)BAXTER INTERNATIONAL INC.

Address of Applicant :One Baxter Parkway Deerfield IL

60015 U.S.A.

2)BAXTER HEALTHCARE S.A.

(72)Name of Inventor:

1)HEDRICH Hans Christian 2)HOEFINGHOFF Joris

3)RHEE Woonza M.

4)OSAWA Atsushi Edward

# (57) Abstract:

The present invention provides a hemostatic composite sponge comprising a porous matrix of a biomaterial and a material enhancing the adherence of said sponge to the applied tissue stably associated with at least one surface of said sponge a method of producing these sponges and their use in hemostasis.

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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: ACTIVE SOLIDS SUPPLY SYSTEM AND METHOD FOR SUPPLYING SOLIDS

(51) International classification	:B65G37/00	(71)Name of Applicant :
(31) Priority Document No	:61/284234	1)EXXONMOBIL RESEARCH AND ENGINEERING
(32) Priority Date	:15/12/2009	COMPANY
(33) Name of priority country	:U.S.A.	Address of Applicant :1545 Route 22 East P.O. Box 900
(86) International Application No	:PCT/US2010/060162	Annandale NJ 08801 0900 U.S.A.
Filing Date	:14/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/075455	1)BIELENBERG James R.
(61) Patent of Addition to Application	:NA	2)RATERMAN Michael Francis
Number	:NA	3)DAVULURI Rathna P.
Filing Date	.IVA	4)FULTON John William
(62) Divisional to Application Number	:NA	5)MEIER Steven W.
Filing Date	:NA	

#### (57) Abstract:

A solids supply systems having a solids deaeration zone and a solids pump zone and to methods for supplying the solids e.g. pulverized dry coal to an application e.g. gasification process. The solids deaeration zone includes a roller system containing a plurality of porous roller assemblies or a belt system containing a plurality of porous belt assemblies. The solids deaeration zone is operable to deaerate and convey the solids to the solids pump zone. In the solids deaeration zone the solids become sufficiently compacted prior to and upon entry into the solids pump zone to be effectively conveyed through the solids pump zone.

No. of Pages: 42 No. of Claims: 25

(21) Application No.5450/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DEVICE FOR REDUCING VIBRATIONS IN A HELICOPTER PILOT S SEAT

(51) International classification	:B60N2/50,B60N2/42,B64D11/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LA NACION MINISTERIO DE DEFENSA FUERZA
(32) Priority Date	:NA	AEREA COLOMBIANA
(33) Name of priority country	:NA	Address of Applicant :Avenida El Dorado No. 52 00 CAN
(86) International Application	:PCT/IB2009/055244	Bogota COLUMBIA
No	:20/11/2009	(72)Name of Inventor:
Filing Date	.20/11/2009	1)ROJAS GALLEGO Camilo
(87) International Publication	:WO 2011/061567	2)MAYA TELLEZ Jonathan
No	. 11 0 2011/00130/	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

#### (57) Abstract:

The present invention relates to a device for reducing vibrations produced in the seat of helicopter pilots owing to the movement of the blades of said aircraft. Said device is based on a low weight low cost pneumatic system that counteracts the vibrations experienced by the pilot while neutralizing the movement of the seat structure by causing the vibration to be absorbed by an air balloon and not transmitted to the pilot s body. In addition the device has a support structure coupled to a safety and anchoring mechanism which rests on the pneumatic bellows and moves vertically on the guides of the safety mechanism thereby absorbing and insulating against the vibrations produced by the aircraft rotors.

No. of Pages: 31 No. of Claims: 12

(21) Application No.5581/DELNP/2012 A

3)FUNADAHitoshi

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PROCESS FOR PRODUCING A MOLD

(51) International classification :B22C1/22,B22C1/00,B22C1/10 (71)Name of Applicant : :2009292867 (31) Priority Document No 1)Kao Corporation (32) Priority Date :24/12/2009 Address of Applicant :14 10 Nihonbashi Kayabacho 1 chome

(33) Name of priority country Chuo ku Tokyo 1038210 Japan :Japan

(72)Name of Inventor: (86) International Application No: PCT/JP2010/072889

Filing Date :20/12/2010 1)KAGITANIMasahiko (87) International Publication No: WO 2011/078117 2)INAYoshimitsu

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

(62) Divisional to Application :NA Number

:NA Filing Date

(57) Abstract:

Provided is a curing agent composition which can prevent a molding sand mixture from drying even when the working time for forming a mold is lengthened. Also provided are both a composition for the production of molds which contains the curing agent composition and a process for the production of molds. A process for the production of molds which comprises a step of mulling refractory particles a water soluble phenol resin and a curing agent composition containing an ester compound to form a molding sand mixture and a step of molding the sand mixture wherein the refractory particles comprise at least 70wt% of a reclaimed sand consisting of an artificial sand produced by a fusion method and the curing agent composition contains at least one compound selected from among triethylene glycol diacetate triethylene glycol 3 phenylpropan 1 ol and benzyl alcohol.

No. of Pages: 35 No. of Claims: 7

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR PRODUCING AMMONIUM DICHROMATE

(51) International :C01G37/00,C01G37/02,C01G37/14

classification :C01G37/00,C01G37/02,C01G37/14

(31) Priority Document No :09180375.9 (32) Priority Date :22/12/2009 (33) Name of priority country:EPO

(86) International :PCT/EP2010/069219

Application No
Filing Date

1 C1/E1 201
:08/12/2010

(87) International Publication :WO 2011/076574

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to
Application Number

Eiling Date
:NA

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)LANXESS Deutschland GmbH

Address of Applicant :51369 Leverkusen Germany

(72)Name of Inventor:

1)FRIEDRICH Holger 2)ORTMANN Rainer

3)STENGER Matthias 4)BOLL Matthias

5)VAN ROOYEN Daniel

6)KALIDEEN Naveen

The invention relates to a method for producing ammonium dichromate comprising the following steps: c) thermal decomposition of an alkali metal ammonium chromate double salt especially a sodium ammonium chromate double salt or the hydrates thereof at a temperature of up to 200°C especially between 75 and 190°C forming ammonium dichromate and d) separation of the ammonium dichromate from the decomposition product obtained in step c) by crystallisation. Said method is characterised in that the alkali metal ammonium chromate double salt corresponds to formula Mx (NH) CrO or the hydrates thereof wherein M is Na or K especially preferably Na x is a number between 0.1 and 0.9 preferably between 0.4 and 0.7 y is a number between 1.1 and 1.9 preferably between

1.3 and 1.6 and the sum of x and y is 2.

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

(21) Application No.5583/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METAL CAN FOR A FOOD PRODUCT

(51) International classification	:B65D1/16,B65D79/00	(71)Name of Applicant :
(31) Priority Document No	:09 59 527	1)ARDAGH MP GROUP NETHERLANDS B.V.
(32) Priority Date	:23/12/2009	Address of Applicant :Zutphenseweg 51 NL 7418 AH
(33) Name of priority country	:France	Deventer Netherlands
(86) International Application No	:PCT/FR2010/052849	(72)Name of Inventor:
Filing Date	:21/12/2010	1)DATHY Franck
(87) International Publication No	:WO 2011/077034	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a metal can (40) for preserving a food product sterilised by heat treatment after closing the can made up of an integral body forming the bottom (41) and the side wall (43) of the can and a lid (42) mounted on said body in order to seal the latter the minimum thickness of the side wall (43) being between 20 % and 60 % of the thickness of the centre of the bottom (41). According to the invention the height of the can (40) is between 1.5 and 3.5 times the width thereof and the bottom (41) and/or the lid (42) of the can has a central wall (411 421) with an outwardly convex shape connected to the side wall (43) by a peripheral groove (410) opening up towards the outside.

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

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DIRECT AQUEOUS PHASE REFORMING OF BIO BASED FEEDSTOCKS

<ul> <li>(51) International classification</li> <li>(31) 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>	:C10G3/00 :61/291572 :31/12/2009 :U.S.A. :PCT/US2010/061246 :20/12/2010	(71)Name of Applicant:  1)SHELL OIL COMPANY Address of Applicant: One Shell Plaza P.O. Box 2463 Houston Texas 77252 2463 U.S.A.  2)SHELL INTERNATIONALE RESEARCH MAATSCHAPPLI B.V.
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2011/082000 :NA :NA :NA :NA	(72)Name of Inventor : 1)CHHEDA Juben Nemchand 2)POWELL Joseph Broun

# (57) Abstract:

A method comprises providing a bio based feedstock; contacting the bio based feedstock with a solvent in a hydrolysis reaction to form an intermediate stream comprising carbohydrates; contacting the intermediate stream with an apr catalyst to form a plurality of oxygenated intermediates wherein a first portion of the oxygenated intermediates are recycled to form the solvent; and processing at least a second portion of the oxygenated intermediates to form a fuel blend.

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

(21) Application No.5469/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD OF MAKING AN ELECTROCHEMICAL CELL WITH A CATALYTIC ELECTRODE INCLUDING MANGANESE DIOXIDE

(51) International :H01M4/90,H01M12/06,H01M4/88

classification

(31) Priority Document No :61/299576 (32) Priority Date :29/01/2010 (33) Name of priority country :U.S.A. (86) International Application

No :PCT/US2011/022555

Filing Date :26/01/2011

(87) International Publication :WO 2011/094295

No .wo

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

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

(71)Name of Applicant:

1)EVEREADY BATTERY COMPANY INC.

Address of Applicant :533 Maryville University Drive St.

Louis Missouri 63141 U.S.A. (72)Name of Inventor: 1)GUO Jingdong

# (57) Abstract:

The invention is a process for making an electrochemical cell with a catalytic electrode including a catalyst made by a solution precipitation process via an oxidation reduction reaction between water soluble oxidizing and reducing agents at least one of which includes manganese. The reaction is carried out at less than 65C preferably with little or no heating. The oxidizing agent does not have a cation that is reduced in the reaction and the reducing agent does not have an anion that is reduced in the reaction.

No. of Pages: 28 No. of Claims: 25

(19) INDIA

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

(21) Application No.5588/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: LAYING HEAD PIPE CLAMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:02/12/2010 :WO 2011/078947 :NA	(71)Name of Applicant:  1)SIEMENS INDUSTRY INC.  Address of Applicant: 3333 Old Milton Parkway Alpharetta Georgia 30005 4437 U.S.A. (72)Name of Inventor:  1)ZHANG Jianping
Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A clamp assembly (10) is disclosed for detachably retaining a curved laying pipe (36) along the correspondingly curved edge of an auger support plate (26) in a rolling mill laying head. The clamp assembly (10) comprises a boss (12) fixed to and projecting from the curved edge of the support plate (26). The boss (12) has a first opening extending therethrough and an exterior support surface. A generally U shaped clamp has a bridging web (30) joining mutually spaced cheeks (32) with second openings (34) extending therethrough. The cheeks (32) are configured and arranged to straddle the boss (12) with their second openings (34) in alignment with the first opening in the boss (12) and with the bridging web (30) coacting with the exterior support surface of the boss (12) to confine a segment of the laying pipe (36) therebetween. A pin (16) extends in an inserted position through the aligned first and second openings in the boss (12) and the cheeks (32).

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

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: SURGICAL SYSTEM AND CONTROL METHOD FOR A SURGICAL INSTRUMENT AND METHOD FOR CONNECTING BODILY TISSUES

(51) International classification :A61B18/14,A61B17/11 (71)Name of Applicant : (31) Priority Document No :10 2009 059 192.3 (32) Priority Date :17/12/2009 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2010/070018 Filing Date :17/12/2010

(87) International Publication No :WO 2011/083027

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)AESCULAP AG

Address of Applicant: Am Aesculap Platz 78532 Tuttlingen

Germany

(72)Name of Inventor: 1)WEIHAUPT Dieter 2)KELLER Anton

3)ROTHWEILER Christoph

(21) Application No.5589/DELNP/2012 A

#### (57) Abstract:

The invention relates to improving a surgical system for connecting bodily tissues comprising a surgical instrument having two tool elements displaceable relative to each other each comprising an HF electrode defining a minimum distance from each other opposite each other and facing one another in an approach setting of the tool elements wherein in order for simple and secure connecting of the tissue parts to be connected to each other the invention proposes that at least one of the HF electrodes is divided into at least two electrode segments and that the at least two electrode segments are electrically insulated from each other.

No. of Pages: 60 No. of Claims: 49

(21) Application No.5590/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR OPERATING A VEHICLE II

(51) International :F16H59/66,B60W30/18,B60W40/06 classification

(31) Priority Document No :09509712

:17/12/2009 (32) Priority Date (33) Name of priority

country

:Sweden

(86) International :PCT/SE2010/051399 Application No

:16/12/2010 Filing Date

(87) International

:WO 2011/075065 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)Scania CV AB

Address of Applicant: S 151 87 Sdertlje Sweden

(72)Name of Inventor: 1)JENSEN Anders

#### (57) Abstract:

The present invention relates to a method for driving of a vehicle which has a gearbox connected to a combustion engine and capable of being set to a number of different transmission ratios in order to deliver motive force to at least one driveshaft for propulsion of said vehicle. The vehicle is arranged for driving in at least a first mode and a second mode such that in said first mode the gearbox is switched to a low transmission ratio and in said second mode said combustion engine is disconnected from said at least one driveshaft. The method when the vehicle is being driven in a situation where there is or will within a specific time be a reduced need for motive force for said vehicle comprises: determining whether the vehicle should be driven according to said first mode or said second mode on the basis of an ambient parameter.

No. of Pages: 33 No. of Claims: 17

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FIXED DRIVING DEVICE FOR MULTILAYER CARRIER AND CONVEYOR

<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>	:B65G :NA :NA :NA	(71)Name of Applicant:  1)MAS AUTOMATION CORP.  Address of Applicant: NO. 6, LANE 17, NIOUPU S.RD., HSINCHU CITY, TAIWAN
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)PENG, YING-SUNG
(87) International Publication No	: NA	2)TSOU, NIEN-CHING
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a fixed driving device for multilayer carrier and conveyor, wherein the carrier is connected with a conveyor line; the carrier comprises of multiple bearing platforms overlapped vertically at interval; multiple rollers are set on the bearing platforms; the fixed driving device comprises of a passive turntable pivoted onto the bearing platform, and a transverse driver is set laterally on the carrier; the transverse driver is provided with a motor, and an active turntable is pivoted on the shaft of the motor; either bearing platform could be shifted vertically along with the carrier to a horizontal reference surface of the same height with the conveyor line; and the active turntable could be driven by the motor and shifted along with the transverse driver to drive transversely the passive turntable on the horizontal reference surface, or reset the force of releasing the passive turntable.

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

(22) Date of filing of Application: 18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: INFORMATION PROCESSING APPARATUS INFORMATION PROCESSING METHOD PROGRAM CONTROL TARGET DEVICE AND INFORMATION PROCESSING 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>	:H04Q 9/00 :2009-295582 :25/12/2009 :Japan :PCT/JP2010/071579 :02/12/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION  Address of Applicant:1-7-1 Konan Minato-ku Tokyo 108- 0075 Japan (72)Name of Inventor:  1)SHIN ITO 2)YOSHINORI OHASHI 3)ELJU YAMADA
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#### (57) Abstract:

Disclosed is a new and improved technology that allows verifying the results of operations, which are the results of processes executed by an apparatus to be controlled in accordance with commands generated on the basis of operation information, while examining a remote control device close at hand. The remote control device (100) comprises an input unit that receives the operation information input; a communications unit that communicates with the apparatus to be controlled (200) via wireless signals; a display unit; an operation information acquisition unit, which acquires the operation information via the input unit; a command issuance unit, which generates commands to be issued, on the basis of the operation information acquired by the operation information acquisition unit, and issues the commands to be issued that are thus generated to the apparatus to be controlled (200), via the communications unit; a results of operation acquisition unit, which acquires the results of the operation, in the form of results obtained when the process is executed by the apparatus to be controlled (200) in accordance with the commands that have been issued, from the apparatus to be controlled (200), via the communications unit; and a display control unit, which displays the results of the operation acquired by the results of operation acquisition unit upon the display unit.

No. of Pages: 52 No. of Claims: 18

(21) Application No.5474/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: GENERATOR ASSEMBLY FOR A WIND POWER PLANT

(51) International classification	:H02K7/18,F16H37/04	(71)Name of Applicant:
(31) Priority Document No	:10 2009 059 671.2	1)ROBERT BOSCH GMBH
(32) Priority Date	:19/12/2009	Address of Applicant :70469 Stuttgart Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/007496	1)PAWELETZ Anton
Filing Date	:09/12/2010	2)TENBERGE Heinz Josef
(87) International Publication No	:WO 2011/072819	
(61) Patent of Addition to Application	NTA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a generator assembly for a wind power plant having an annular stator an annular rotor and a spur gear transmission assembly wherein the generator assembly has a basic carrier component on which all the bearings of the generator assembly are arranged.

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

(21) Application No.5591/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BIODEGRADATION OF CRUSTACEAN BY PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/289706 :23/12/2009 :U.S.A.	(71)Name of Applicant: 1)AGRINOS AS Address of Applicant:Fornebuveien 1 N 1366 Lysaker Norway (72)Name of Inventor: 1)LPEZ CERVANTES Jamie 2)S NCHEZ MACHADO Dalia Isabel 3)ROCHIN Karl Reiner Fick
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Disclosed are novel microbial compositions and biodegradation processes to treat marine animal or marine animal by products to produce solid liquid and lipid fractions that contain useful compounds.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PTERIDINONES AS INHIBITORS OF POLO LIKE KINASE

(51) International classification	:C07D475/04,C07D475/12,A61K31/4985	(71)Name of Applicant: 1)ELAN PHARMACEUTICALS INC
(31) Priority Document No	:61/289980	Address of Applicant :180 Oyster Point Blvd. South San Francisco CA 94080 U.S.A.
(32) Priority Date	:23/12/2009	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)GALEMMO Robert A. Jr. 2)ARTIS Dean Richard
(86) International Application No Filing Date	:PCT/US2010/061551 :21/12/2010	3)YE Xiaocong Michael 4)AUBELE Danielle L. 5)TRUONG Anh P.
(87) International Publication No	:WO 2011/079118	6)BOWERS Simeon 7)HOM Roy K.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	8)ZHU Yong Liang 9)NEITZ R. Jeffrey 10)SEALY Jennifer
(62) Divisional to Application Number Filing Date	:NA :NA	11)ADLER Marc 12)BEROZA Paul 13)ANDERSON John P.

# (57) Abstract:

The present invention provides compounds having a structure according to Formula (I): or a salt or solvate thereof wherein ring A E E R R and R are defined herein. The invention further provides pharmaceutical compositions including the compounds of the invention and methods of making and using the compounds and compositions of the invention e.g. in the treatment and prevention of various disorders such as Parkinson's disease.

No. of Pages: 436 No. of Claims: 53

(21) Application No.5326/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ELECTROSPRAY EMITTERS FOR MASS SPECTROMETRY

(51) International classification :H01J49/16,H01J49/06 (71)Name of Applicant : (31) Priority Document No :12/642,617 1)THERMO FINNIGAN LLC Address of Applicant :355 River Oaks Parkway San Jose CA (32) Priority Date :18/12/2009 (33) Name of priority country :U.S.A. 95134 U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2010/060146 Filing Date :13/12/2010 1)KOVTOUN Viatcheslav V. (87) International Publication No :WO 2011/075449 2)WOUTERS Eloy R. (61) Patent of Addition to Application 3)ATHERTON R. Paul :NA

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA

:NA

### (57) Abstract:

An electrospray ion source that comprises (a) an emitter capillary having (i) an internal bore for transporting a liquid sample (ii) an electrode portion for providing a first applied electrical potential and (iii) an emitter tip for emitting charged particles generated from the liquid sample and (b) a counter electrode for providing a second applied electrical potential different from the first applied electrical potential is characterized by (c) a shield electrode disposed at least partially between the counter electrode and the emitter tip of the emitter capillary for providing a third applied electrical potential intermediate to the first and second applied electrical potentials the shield electrode contoured in the form of a portion of an electrical equipotential surface formed in the absence of the shield electrode under application of the first and second applied electrical potentials to the electrode portion of the emitter capillary and to the counter electrode respectively.

No. of Pages: 35 No. of Claims: 28

(21) Application No.5498/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CONJUGATES AND COMPOSITIONS FOR IMMUNOTHERAPY AND ANTI TUMOR TREATMENT

(51) International classification :C07K14/54,C07K14/715,C07K14/775

(31) Priority Document No:P200931158

(32) Priority Document No: P200931138 (32) Priority Date :11/12/2009

(33) Name of priority :Spain

country

(86) International PCT/ES2010/070818
Application No

Filing Date :10/12/2010

(87) International :WO 2011/070214

(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)PROYECTO DE BIOMEDICINA CIMA S.L.

Address of Applicant : Avenida Pio XII 22 Oficina 1 E 31008

Pamplona (Navarra) Spain

2) RESEARCH CENTER BORSTEL

(72)Name of Inventor:

1)BERRAONDO LPEZ Pedro 2)FIORAVANTI Jessica

3)MEDINA ECHEVERZ Jos 4)MELERO BERMEJO Ignacio Javier

4)MELERO BERMEJO Ignacio Javier 5)OCHOA NIETO Maria del Carmen 6)PALAZON GARCIA Francisco de Asis

7)BULFONE PAUS Silvia 8)DUITMAN Erwin Hans

# (57) Abstract:

The present invention relates to compositions that are suitable for promoting the innate immune response as well as the adaptive immune response of a patient based on the joint use of ApoA interleukin 15 and the IL 15 receptor alpha chain sushi domain as well as to the use of said compositions for stimulating an immune response in a patient and in therapeutic methods for treating infectious and neoplastic diseases.

No. of Pages: 121 No. of Claims: 17

(21) Application No.5499/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: APPARATUS FOR SPACECRAFT

(51) International classification :B64G1/14,B64G1/22,B64G1/56 (71)Name of Applicant :

(31) Priority Document No :0921427.1 (32) Priority Date :07/12/2009

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

(86) International Application No:PCT/GB2010/052037

Filing Date :07/12/2010

(87) International Publication No: WO 2011/070349 (61) Patent of Addition to

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

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

(57) Abstract:

1)PHS SPACE LIMITED

Address of Applicant :8 Dixon Terrace Pitlochry Perthshire

PH16 5OX U.K.

(72)Name of Inventor: 1)STOKES Hedley

The invention relates to the protection of spacecraft (501) from debris (701) and to de orbiting devices of the atmospheric drag type and to debris sweeping apparatus for the removal of debris from the space environment. The debris shielding apparatus (200) for a spacecraft comprises a shield unit (210) including a shielding surface for impeding incident debris attachment means (204) for attaching the shield unit to a spacecraft body and a driving apparatus for positioning the shield unit in relation to the spacecraft body (204a 204d) wherein the driving apparatus is capable of moving the shield unit between a first stowed position and a second deployed position wherein the plane of the shielding surface of the shield unit is at an angle to the spacecraft body in the second deployed position. The shield unit comprises shielding layers which may be further unfolded to increase the effective surface area of the spacecraft to create drag and/or sweep debris from the space environment.

No. of Pages: 45 No. of Claims: 44

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR A GLOBAL DIRECTORY SERVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:15/12/2010 :WO 2011/081603 :NA :NA :NA	(71)Name of Applicant:  1)SMART HUB PTE. LTD.  Address of Applicant:100 Beach Road #25 06 Shaw Towers Singapore 189702 (72)Name of Inventor:  1)IBASCO Alex D.  2)JOSON Eduardo Ramon G.  3)BALACE Valenice G.  4)LOSANTAS Jose Lorenzo L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for facilitating the transfer of contact information between network subscribers said system including at least one server coupled to the network; at least one database coupled to the server; a plurality of subscriber terminals coupled to the network wherein each subscriber s terminal is configured to send contact information associated with a subscriber to the server in response to a request by said subscriber; wherein the request causes the subscriber s terminal to compile the contact information into an electronic business card object having one or more textual fields and map the one or more textual fields of the electronic business card to one or more object attributes contained in an electronic business card object and transmit the electronic business card object to the server for storage in the database is disclosed.

No. of Pages: 41 No. of Claims: 26

(21) Application No.5379/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BIOLOGICAL INHIBITORS OF ROR1 CAPABLE OF INDUCING CELL DEATH

(51) International classification :C07K16/28,C07K16/30,C12N15/113

(31) Priority Document No :0922143.3 (32) Priority Date :18/12/2009

(33) Name of priority :U.K.

country

(86) International :PCT/EP2010/007524

Application No
Filing Date

FC1/EF2010

(87) International

Publication No :WO 2011/079902

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

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

(71)Name of Applicant:

1)Biolnvent International AB

Address of Applicant :Slvegatan 41 S 223 70 Lund Sweden

(72)Name of Inventor : 1)MELLSTEDT Hkan 2)RABBANI Hodjattallah

3)TEIGE Ingrid

# (57) Abstract:

The invention relates to antibodies and siRNA molecules for inducing cell death by the specific binding of ROR1 domains thereof or nucleotide molecules encoding ROR1. There are also provided methods involving and uses of the antibodies and siRNA molecules of the invention.

No. of Pages: 83 No. of Claims: 31

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: TRANSDERMAL THERAPEUTIC SYSTEM FOR ADMINISTERING RIVASTIGMINE OR **DERIVATIVES THEREOF**

(51) International :A61K9/70,A61K31/27,A61K31/445 classification

:NA

(31) Priority Document No :09180413.8

(32) Priority Date :22/12/2009 (33) Name of priority

:EPO country

(86) International :PCT/EP2010/069654 Application No

:14/12/2010 Filing Date

(87) International :WO 2011/076621 Publication No

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

(71)Name of Applicant:

1)ACINO AG

Address of Applicant : Am Windfeld 35 83714 Miesbach

Germany

(72)Name of Inventor: 1)HAUSNER Heike 2)SCHURAD Bjrn

# (57) Abstract:

Filing Date

The present invention relates to a transdermal therapeutic system for administering an active substance through the skin comprising: a) a cover layer b) a reservoir present on the cover layer comprising a polymer matrix comprising the active substance c) an adhesive layer present on the reservoir comprising a contact adhesive and d) a removable layer present on the adhesive layer the active substance being rivastigmine a physiologically compatible salt hydrate solvate or derivative thereof characterized in that the polymer matrix of the reservoir comprises neither hydroxyl groups nor carboxyl groups.

No. of Pages: 38 No. of Claims: 18

:NA

:NA

(21) Application No.5487/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

(71)Name of Applicant: (51) International :C12N5/071,C12N5/0735,C12Q1/68 classification 1)JANSSEN BIOTECH INC. (31) Priority Document No Address of Applicant:800/850 Ridgeview Drive Horsham PA :61/289671 (32) Priority Date :23/12/2009 19044 U.S.A. (33) Name of priority country:U.S.A. (72)Name of Inventor: (86) International 1)XU Jean :PCT/US2010/060756 Application No :16/12/2010 Filing Date (87) International Publication :WO 2011/079017 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

# (57) Abstract:

**Application Number** 

Filing Date

The present invention provides methods to promote the differentiation of pluripotent stem cells into insulin producing cells. In particular the present invention provides a method to produce cells expressing markers characteristic of the pancreatic endocrine lineage that co express NKX6.1 and insulin and minimal amounts of glucagon.

No. of Pages: 51 No. of Claims: 7

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FASTENER SYSTEM WITH STABLE ENGAGEMENT AND STICK FIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:15/09/2010 :WO 2011/109040 :NA :NA :NA	(71)Name of Applicant:  1)PHILLIPS SCREW COMPANY Address of Applicant: One Van De Graaff Drive Suite 404 Burlington MA 01803 U.S.A. (72)Name of Inventor: 1)HUGHES Barry J. 2)DILLING Gary
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various embodiments described herein provide a fastener system having straight walled driving surfaces that provides a reliable stick fit feature while also improving stability of engagement between the system components. A feature of the new system is to allow engagement of existing standard straight walled drivers in the new system.

No. of Pages: 59 No. of Claims: 84

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ELECTRIC HEATING DEVICE FOR VEHICLES HAVING A HIGH VOLTAGE ELECTRIC 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> <li>Filing Date</li> </ul>	:10 2010 004 034.7 :05/01/2010 :Germany :PCT/EP2011/050067	(71)Name of Applicant:  1)VALEO KLIMASYSTEME GMBH  Address of Applicant: Werner von Siemens Strasse 6 96476  Rodach Germany (72)Name of Inventor:  1)FREUND Andreas
· /		
		**
	:PCT/EP2011/050067	· ·
Filing Date	:04/01/2011	1)FREUND Andreas
(87) International Publication No	:WO 2011/083115	2)LILGE Hans Joachim
(61) Patent of Addition to Application	:NA	3)MOLITOR Johannes
Number	:NA	4)HERMANN Markus
Filing Date	.IVA	5)MAZUREK Marian
(62) Divisional to Application Number	:NA	6)AIDAM Martin
Filing Date	:NA	

#### (57) Abstract:

In the heating device PTC heating elements arranged between current rails lying opposite each other are used which are fed with supply current from a control electronics unit via the current rails. Metallic heating rib structures are respectively coupled to one of the current rails via an electrically insulating but thermally conducting coupling layer. The air to be heated flows through the heating rib structures which have an undulating shape. The metallic heating rib structures are electrically connected to vehicle ground and thus form a shield that eliminates emissions of electromagnetic interfering radiation without impeding the flow of air.

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

(21) Application No.5600/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: FATIGUE RESISTANT THERMOWELL AND METHODS

(51) International classification :G01K1/08,G01K1/14,G01K13/02 (71)Name of Applicant : (31) Priority Document No :12/643533 1)NUOVO PIGNONE S.p.A. (32) Priority Date :21/12/2009 Address of Applicant: Via Felice Matteucci 2 I 50127 (33) Name of priority country :U.S.A. Florence Italy (72)Name of Inventor: (86) International Application :PCT/US2010/055060 No 1)EGAN William C. :01/11/2010 Filing Date 2)SCHULTZ Robert (87) International Publication :WO 2011/078914 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Methods and thermowell systems that can be uses in high dynamic pressure environments. A thermocouple system includes a thermowell configured to enter a structure through which a medium flows; an elongated probe provided partially inside the thermowell and configured to measure a temperature; at least one o ring disposed around the elongated probe at a first end the o ring being configured to dampen a vibration for the elongated probe by contacting the thermowell; and an elastomer disposed around the elongated probe section at a second end the elastomer being configured to dampen the vibration for the elongated probe by contacting the thermowell.

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

(22) Date of filing of Application :20/06/2012 (43) Pt

(43) Publication Date: 07/03/2014

# (54) Title of the invention : PULSE WIDTH MODULATION CONTROL OF GAS FLOW FOR PLASMA CUTTING AND MARKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B23K9/00 :12/649727 :30/12/2009 :U.S.A. :PCT/US2010/061449 :21/12/2010 :WO 2011/082017 :NA :NA	(71)Name of Applicant:  1)ITT MANUFACTURING ENTERPRISES INC. Address of Applicant:1105 N. Market Street Wilimington Delaware 19801 U.S.A. (72)Name of Inventor: 1)WINN Jackie L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Gas flow control for a plasma arc torch is provided. More particularly a method and apparatus to modulate the pressure and flow from a plasma arc torch is provided. Cyclic pulsing of a flow control valve between states of fully open and fully closed provides for a relatively constant flow of plasma gas to the torch at a relatively constant pressure.

No. of Pages: 12 No. of Claims: 16

(21) Application No.5504/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR PREDICTION OF PHARMACOLOGICAL EFFICACY OF HUMANIZED ANTI TNF ANTIBODY DRUG ON RHEUMATOID ARTHRITIS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C12Q1/68,C12M1/00,C12M1/34 :2009266539 :24/11/2009 :Japan	(71)Name of Applicant:  1)KayteeBio Co. & Ltd.  Address of Applicant: VenturePlaza Funabashi #110 1 17 25  Kita Honcho Funabashi shi Chiba 2730864 Japan
(86) International Application No Filing Date	:PCT/JP2010/068909 :26/10/2010	(72)Name of Inventor : 1)TSUZAKA Kensei
(87) International Publication No	:WO 2011/065168	
<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 method for predicting the pharmacological efficacy of a humanized anti TNFa antibody drug on rheumatoid arthritis comprising the steps of: measuring the content of at least one of ADAMTS4 and ADAMTS5 in a sample from a subject; and determining whether or not the humanized anti TNFa antibody drug is effective on rheumatoid arthritis by employing as a measure the content of at least one of ADAMTS4 and ADAMTS5 measured in the preceding step.

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

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

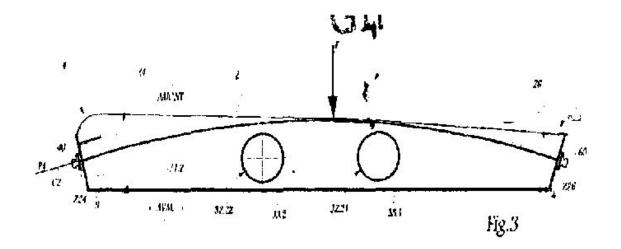
(43) Publication Date: 07/03/2014

# (54) Title of the invention: LEAF FOR A MITRE GATE AND MITRE GATE INCLUDING SUCH A LEAF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09 59591 :24/12/2009 :France :PCT/FR2010/052913 :24/12/2010 :WO 2011/077064 :NA :NA	(71)Name of Applicant:  1)ALSTOM HYDRO FRANCE Address of Applicant: 3 Avenue Andr Malraux F 92300 Levallois Perret France (72)Name of Inventor: 1)CARDIS Michel 2)MERMOUD Michael
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a leaf (1) for a mitre gate which includes: a skin plate (2) intended for withstanding a pressure (P) exerted by a liquid; and at least two uprights (4 6) respectively located on either side (24 26) of the skin plate (2) the uprights (4 6) being secured to the skin plate (2). The skin plate (2) is in the overall shape of a cylinder portion (C2) the longitudinal axis of the cylinder (C2) being essentially parallel to the uprights (4 6). Each upright (4 6) extends overall according to a generatrix (Z24) of the cylinder (C2). Each upright (4 6) includes at least one bearing element (40 60) arranged to project relative to the skin plate (2) and each bearing element (40 60) includes a bearing surface for supporting the bearing element (40 60) against a lock wall or another leaf of the mitre gate. The bearing surface of each bearing element (40 60) is aligned with a plane (P4 P6) that is tangential to the skin plate (2).



Amout Upstream

Aval Downstream

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

(19) INDIA

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

(21) Application No.5611/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention : NOVEL METHOD FOR PRODUCING 4 AMINOBUT 2 ENOLIDES STARTING FROM 4 ALKOXYFURAN 2(5H) ON OR 4 ARYLALKOXYFURAN 2 (5H) ON

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:C07D405/12 :09180603.4 :23/12/2009 :EPO :PCT/EP2010/070202 :20/12/2010 :WO 2011/076715 :NA :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred Nobel Strasse 10 40789 Monheim Germany (72)Name of Inventor: 1)LUI Norbert 2)HEINRICH Jens Dietmar
(61) Patent of Addition to Application Number	:NA	2)HEINRICH Jens Dietmar
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for producing 4 aminobut 2 enolide compounds of the formula (I) comprising: converting a 4 alkoxyfuran 2(5H) on compound or 4 arylalkoxyfuran 2(5H) on compound of the formula (II) and an amine of the formula (III) where R R and A have the definitions indicated in the description in the presence of a Br<sub>s</sub>nstedt acid.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: AUXILIARY AND MOTIVE ELECTRIC POWER PICK UP STRUCTURE FOR LAND 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> </ul>	:23/11/2010 :WO 2011/061723 :NA :NA	(71)Name of Applicant:  1)LOHR INDUSTRIE  Address of Applicant: 29 rue du 14 Juillet F 67980  Hangenbieten France (72)Name of Inventor:  1)ANDRE Jean Luc
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an auxiliary and motive electric power pick up structure for articulated and non articulated land vehicles that pass close to a collector shoe type power supply member mounted on a stationary support (17) along the route of the vehicle and positioned at intervals along the length of the route in order to provide auxiliary and motive electric power to said vehicle by means of the shoe (16). The invention is characterised in that it comprises at least one conductor rail mounted on insulating supports (11) attached to the vehicle by suspension points (34) each including an elastic suspension means (30) and a pneumatic hydraulic or other type active suspension means (33). In the case of articulated vehicles the pick up structure is divided into power supply segments (14) separated by a conducting link (19) at each articulated unit of the vehicle. The invention is suitable for manufacturers of electric public transport vehicles.

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

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : PURIFIED BOWMAN BIRK PROTEASE INHIBITOR PROTEINS ISOLATED FROM A SOY PROCESSING 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> <li>Filing Date</li> </ul>	:A61K38/00 :61/291312 :30/12/2009 :U.S.A. :PCT/US2010/062553 :30/12/2010 :WO 2011/082335 :NA :NA	(71)Name of Applicant: 1)SOLAE LLC Address of Applicant: 4300 Duncan Avenue Legal Department St. Louis Missouri 63110 U.S.A. (72)Name of Inventor: 1)SCHASTEEN Charles S. 2)MARSH Darrell 3)KELLER Karsten 4)MEKEL Marlene 5)WU Jennifer
Filing Date	:NA	5)WU Jennifer
(62) Divisional to Application Number Filing Date	:NA :NA	6)TULK Barry

# (57) Abstract:

Purified Bowman Birk protease inhibitor (BBI) proteins recovered from a soy processing stream are disclosed as well as a process for recovering and isolating purified BBI proteins from a soy processing stream.

No. of Pages: 80 No. of Claims: 20

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : RNA PREPARATIONS COMPRISING PURIFIED MODIFIED RNA FOR REPROGRAMMING CELLS

(51) International (71)Name of Applicant: :C12N15/113,C12N5/071,C12N5/02 classification 1)KARIKO Katalin (31) Priority Document No :61/267312 Address of Applicant: 1022 Kipling Road Rydal Pennsylvania (32) Priority Date :07/12/2009 19046 U.S.A. (33) Name of priority country:U.S.A. 2)WEISSMAN Drew (86) International 3)DAHL Gary :PCT/US2010/059305 Application No 4) PERSON Anthony :07/12/2010 Filing Date 5)MEIS Judith (87) International Publication :WO 2011/071931 6)JENDRISAK Jerome (72)Name of Inventor: (61) Patent of Addition to 1)KARIKO Katalin :NA **Application Number** 2)WEISSMAN Drew :NA Filing Date 3)DAHL Garv (62) Divisional to 4) PERSON Anthony :NA **Application Number** 5)MEIS Judith :NA Filing Date 6)JENDRISAK Jerome

#### (57) Abstract:

The present invention provides compositions and methods for reprogramming somatic cells using purified RNA preparations comprising single strand mRNA encoding an iPS cell induction factor. The purified RNA preparations are preferably substantially free of RNA contaminant molecules that: i) would activate an immune response in the somatic cells ii) would decrease expression of the single stranded mRNA in the somatic cells and/or iii) active RNA sensors in the somatic cells. In certain embodiments the purified RNA preparations are substantially free of partial mRNAs double stranded RNAs un capped RNA molecules and/or single stranded run on mRNAs.

No. of Pages: 221 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

(21) Application No.5620/DELNP/2012 A

# (54) Title of the invention: FORMULATION COMPRISING 1 H QUINAZOLINE 2 4 DIONE AMPA RECEPTOR

ANTAGONISTS IN THE FORM OF IMMEDIATE RELEASE TABLETS AND PREPARATION THEREOF

(51) International classification :A61K9/14,A61K9/16,A61K9/20 (71)Name of Applicant:

:21/12/2010

(31) Priority Document No :61/288985 (32) Priority Date :22/12/2009

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

(86) International Application :PCT/US2010/061553

Filing Date

(87) International Publication No:WO 2011/079119

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor:

1)ZIELINSKI Joseph Lawrence

2)VRETTOS John

3)JI Oin

4)PATEL Subash

#### (57) Abstract:

The present invention provides a tablet comprising a hydroxypropylcellulose and an active ingredient selected from compounds of Formula (I) and salts thereof: whereinrepresents CF CHF CHCHF CHCF ethyl or iso propyl and R represents alkyl substituted by one or more substituents the substituents being selected from the group consisting of halogen nitro cyano acyl hydroxy oxo (=0) alkoxy cycloalkoxy acyloxy alkoxycarbonyloxy amino alkylamino dialkylamino formyl acylamino alkoxycarbonylamino or R represents heterocyclylalkyl substituted by one or more substituents the substituents being selected from the group consisting of halogen nitro cyano hydroxy alkoxy alkylcarbonyloxy alkoxycarbonyloxy amino alkylamino dialkylamino alkoxycarbonylamino or R represents phenyl substituted by one or more substituents the substituents being selected from the group consisting of cyano hydroxy alkanediyl alkenediyl alkoxy hydroxyalkyl formył alkylcarbonył alkoxycarbonył alkylcarbonyloxy alkoxycarbonyloxy amino alkylamino dialkylamino aminoalkył dialkylaminoalkyl alkoxycarbonylaminoor R represents heterocyclyl optionally substituted by one or more substituents the substituents being selected from the group consisting of halogen hydroxy amino nitro cyano alkyl hydroxalkyl alkoxyalkyl aminoalkyl alkylaminoalkyl dialkylaminoalkyl acyl alkoxy acyloxy alkoxycarbonyloxy amino alkylamino dialkylamino acylamino alkoxycarbonylamino and whereby the heterocycle is bound to the phenyl ring by a carbon atom. The invention also provides a process for preparing the above tablet.

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

(21) Application No.5621/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : COMPOSITIONS AND METHODS FOR THE INCREASED PRODUCTION OF ISOPRENE AND OTHER PRODUCTS WITH 6 PHOSPHOGLUCONOLACTONASE (PGL)

(31) Priority Document No (32) Priority Date	:C12P5/00,C12P7/00,C12N15/90 :61/289959 :23/12/2009 :U.S.A. :PCT/US2010/062099 :23/12/2010 o:WO 2011/079314 :NA :NA	(71)Name of Applicant:  1)DANISCO US INC.  Address of Applicant: 925 Page Mill Road Palo Alto CA 94304 1013 U.S.A.  2)THE GOODYEAR TIRE & RUBBER COMPANY (72)Name of Inventor:  1)BECK Zachary Q.  2)CERVIN Marguerite A.  3)NIELSEN Alex T.  4)PERES Caroline M.
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# (57) Abstract:

Provided herein are improved compositions and methods for the increased production of isoprene. Also provided herein are improved compositions and methods for the increased production of heterologous polypeptides capable of biological activity.

No. of Pages: 206 No. of Claims: 26

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD FOR RECOVERING KUNITZ TRYPSIN INHIBITOR PROTEINS FROM A SOY PROCESSING STREAM

(51) International classification	:C07K1/14	(71)Name of Applicant :
(31) Priority Document No	:61/291312	1)SOLAE LLC
(32) Priority Date	:30/12/2009	Address of Applicant :4300 Duncan Avenue St. Louis MO
(33) Name of priority country	:U.S.A.	63110 U.S.A.
(86) International Application No	:PCT/US2010/062594	(72)Name of Inventor:
Filing Date	:30/12/2010	1)KELLER Karsten
(87) International Publication No	:WO 2011/082360	2)MARSH Darrell
(61) Patent of Addition to Application	:NA	3)SCHASTEEN Charles S.
Number		4)TULK Barry
Filing Date	:NA	5)MEKEL Marlene
(62) Divisional to Application Number	:NA	6)WU Jennifer
Filing Date	:NA	

### (57) Abstract:

A process for recovering and isolating a KTI product having a total KTI protein concentration of at least 95 wt.% from a processing stream is disclosed.

No. of Pages: 60 No. of Claims: 16

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FABRY PEROT FOURIER TRANSFORM SPECTROMETER

(51) International classification	:G01J3/45	(71)Name of Applicant:
(31) Priority Document No	:61/283519	1)UNIVERSITY OF HAWAII
(32) Priority Date	:02/12/2009	Address of Applicant :2800 Woodlawn Drive Suite 280
(33) Name of priority country	:U.S.A.	Honolulu HI 96822 U.S.A.
(86) International Application No	:PCT/US2010/058794	(72)Name of Inventor:
Filing Date	:02/12/2010	1)LUCEY Paul
(87) International Publication No	:WO 2011/069013	
(61) Patent of Addition to Application	.NT A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A spatial Fourier transform spectrometer is disclosed (e.g. 350). The Fourier transform spectrometer includes a Fabry Perot interferometer (e.g. 320 420 520) with first and second optical surfaces (e.g. 454 458 and 554 558). The gap (e.g. 462 562) between the first and second optical surfaces spatially varies in a direction that is orthogonal to the optical axis (e.g. 466 566 666) of the Fourier transform spectrometer. The Fabry Perot interferometer creates an interference pattern from input light. An image of the interference pattern is captured by a detector (e.g. 340 640) which is communicatively coupled to a processor (e.g. 342). The processor is configured to process the interference pattern image to determine information about the spectral content of the input light.

No. of Pages: 50 No. of Claims: 28

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: CONTINUOUS PRODUCTION OF QUATERNARY SALTS

(51) International :C07C213/08,C07C219/20,B01J19/18

(31) Priority Document No :12/691159 (32) Priority Date :21/01/2010

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

(86) International

Application No :PCT/US2011/021961

Filing Date :21/01/2011

(87) International Publication No :WO 2011/091197

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

Filing Date
(62) Divisional to
Application Number
Filing Date

INA
:NA

(71)Name of Applicant: 1)NALCO COMPANY

Address of Applicant :1601 W. Diehl Road Naperville Illinois

60563 1198 U.S.A. (72)Name of Inventor: 1)FAIR Barbara E. 2)REED Peter E.

3)VER VERS Leonard M. 4)BRAMMER Jr. Larry E. 5)HOLADA Charles J. 6)HUANG Cheng Sung 7)SAWANT Kailas B.

#### (57) Abstract:

The invention provides a method of continuously producing high quality quaternized N N dialkylaminoethyl (meth)acrylates (DMAEA MCQ) that has a long shelf life and which is stable in water. The method involves placing starting marterials into a continuously stirred tank reactor in the presence of less than 6% water. This low amount of water causes two liquid phases to form and prevents unwanted side reactions. The denser liquid phase contains DMAEA MCQ and the lighter phase containse the starting materials. Liquid from the denser phase is removed from a position where little of the lighter phase has been mixed in. The removed liquid then has any last traces of the starting materials reacted into DMAEA MCQ and stips away any starting materials with a gas flow. The resulting liquid is high purity DMAEA MCQ. Water can then safely be added to ease in the transport and use of the produced DMAEA MCQ.

No. of Pages: 20 No. of Claims: 17

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

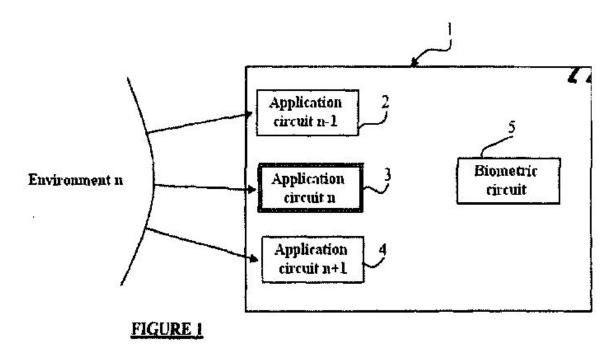
(43) Publication Date: 07/03/2014

# (54) Title of the invention: MULTIPLE APPLICATION CHIP CARD HAVING BIOMETRIC VALIDATION

(51) International classification	:G06F21/00	(71)Name of Applicant :
(31) Priority Document No	:0959414	1)MEREAL BIOMETRICS
(32) Priority Date	:22/12/2009	Address of Applicant :141 bis rue de Saussure F 75017 Paris
(33) Name of priority country	:France	France
(86) International Application No	:PCT/FR2010/052767	(72)Name of Inventor:
Filing Date	:16/12/2010	1)PARTOUCHE Patrick
(87) International Publication No	:WO 2011/083241	2)BLOT Philippe
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	3)MOBETIE Didier
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a smart card including: a plurality of application circuits that are each related to at least one application service securely contained within the card each application circuit that is energizable by an outside signal; a control unit making it possible to identify the energized application circuit and the related service and moreover to activate said service in response to activation authorization; and a biometric circuit for authenticating the user so as to generate said activation authorization.



No. of Pages: 16 No. of Claims: 11

(21) Application No.5616/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DENTIFRICE COMPOSITIONS COMPRISING CARBOXYPEPTIDASE

	a :A61K8/27,A61K8/66,A61Q11/00	
(31) Priority Document No	:61/294851	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:14/01/2010	Address of Applicant :300 Park Avenue New York NY 10022
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application	DCT/LIG2011/021205	(72)Name of Inventor:
No	:PCT/US2011/021385	1)SHASTRY Ramachandra
Filing Date	:14/01/2011	2)MASTERS James
(87) International Publication	:WO 2011/088383	
No	6 2011/000303	
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to Application	NIA	
Number	:NA	
Filing Date	:NA	
<i>U</i>		

(57) Abstract:

Described herein are dentifrice compositions comprising a zinc containing salt and carboxypeptidase wherein the zinc containing salt is not sequestered.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MEMBRANE BIOREACTOR FOR INCREASED PRODUCTION OF ISOPRENE 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> </ul>	:C12P5/02 :61/289352 :22/12/2009 :U.S.A. :PCT/US2010/061913 :22/12/2010 :WO 2011/075748	(71)Name of Applicant:  1)DANISCO US INC.  Address of Applicant: 925 Page Mill Road Palo Alto CA 94304 1013 U.S.A.  2)THE GOODYEAR TIRE & RUBBER COMPANY (72)Name of Inventor:  1)CALABRIA Anthony R.  2)CHOTANI Gopal K.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:22/12/2010	<ul><li>(72)Name of Inventor:</li><li>1)CALABRIA Anthony R.</li><li>2)CHOTANI Gopal K.</li><li>3)FONG Robin</li></ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	4)NIELSEN Alex T. 5)SANFORD Karl J.

(57) Abstract:

The invention provides improved methods for the production of isoprene from biological materials.

No. of Pages: 147 No. of Claims: 124

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: STABILIZATION OF ZINC OXIDE FILM IN ORAL 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>	:61/294647 :13/01/2010 :U.S.A. :PCT/US2011/021112 :13/01/2011 :WO 2011/088199 :NA :NA	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)PIMENTA Paloma 2)PILCH Shira 3)MASTERS James 4)WON Betty
Filing Date	:NA	

#### (57) Abstract:

An oral care composition and method are described in which the composition includes a film or a plurality of film fragments entrained in a carrier. The film or plurality of film fragments comprises zinc oxide. The composition and methods provide benefits including increased stability and shelf life ensuring the delivery and bioavailability of zinc oxide.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: BRAKING DEVICE FOR A UNIVERSAL MOTOR

:WO 2011/076827

(51) International classification :H02P3/22,H02M5/293,H02P25/10

(31) Priority Document No :10 2009 060 139.2

(32) Priority Date :23/12/2009
(33) Name of priority country :Germany

(86) International Application :PCT/EP2010/070457

No :22/12/2010

Filing Date .22/12/2010

(87) International Publication

(61) Patent of Addition to :NA

Application Number
Filing Date

:NA
:NA

(62) Divisional to Application Number :NA :NA

Filing Date

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

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

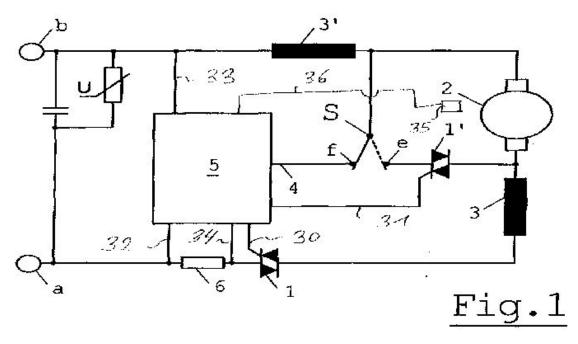
Germany

(72)Name of Inventor:

1)ROTTMERHUSEN Hans Hermann

# (57) Abstract:

The invention relates to an electrodynamic braking device for a universal motor wherein a field winding is fed from a grid during a braking operation and an armature is directly short circuited and a braking process is performed by means of control electronics whereby good braking is achieved with relatively low brush wear. Such an electrodynamic braking device can be used effectively for a power tool equipped with a hazardous tool.



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

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: METHOD AND DEVICE FOR PERFORMING AN ON BOARD DIAGNOSIS

(51) International :G05B23/02,B60W50/04,F02D41/22 classification

(31) Priority Document No :10 2009 055 120.4

(32) Priority Date :22/12/2009 (33) Name of priority :Germany

country

(86) International :PCT/EP2010/068970

Application No :06/12/2010 Filing Date

(87) International Publication: WO 2011/076551

(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)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor: 1)MONTVAY Andras

#### (57) Abstract:

The invention relates to a method for inspecting a function of an actuator (4) or a sensor (6) of a system (1) having the following steps: actuating (S2) the actuator (4) within a time frame when at least one state variable of the system is within a specified operating range; detecting (S4) a system response by means of a sensor (6) within the time frame as a reply to the actuating of the actuator (4); determining (S5) a faulty functionality of the actuator (4) or the sensor (6) if the system response deviates from a target system response which is anticipated based on the actuating of the actuator (4). The inventions is characterized in that another actuator (5) of the system is actuated during the time frame so that the at least one state variable of the system (1) remains in the specified operating range during the time frame. The invention also relates to a corresponding method for calibrating a sensor (6) or an actuator (4) of a system.

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

(21) Application No.5625/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: RELIABLE PACKET CUT THROUGH

(51) International classification	:H03M13/09,H04L1/00	(71)Name of Applicant :
(31) Priority Document No	:61/266747	1)ST ERICSSON SA
(32) Priority Date	:04/12/2009	Address of Applicant :Chemin du Champ des Filles 39 CH
(33) Name of priority country	:U.S.A.	1228 Plan les Ouates Switzerland
(86) International Application No	:PCT/EP2010/068842	2)ST Ericsson B.V.
Filing Date	:03/12/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/067381	1)RADULESCU Andrei
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cut through data packet mechanism is described. Forwarding of a cut through data packet by an intermediary node enables packet transmission of the cut through data packet to begin prior to performing a frame CRC on the packet. The CRC is instead performed while transmission of the packet is occurring. If one or more errors are found in the cut through data packet then a packet trailer indicating such errors is transmitted toward an endpoint node that receives the cut through packet.

No. of Pages: 56 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: HEAT INSULATING FIRE PROOF WATER RESISTANT PERMEABLE TO AIR FLEXIBLE LIGHTWEIGHT CONCRETE

(51) International :C04B16/08,C04B18/20,C04B24/08

classification

(31) Priority Document No :PCT/IB2009/007587

(32) Priority Date

:25/11/2009

(33) Name of priority country:

(86) International Application :PCT/IB2010/003001

No Filing Date

:24/11/2010

(87) International Publication: WO 2011/064646

(61) Patent of Addition to

**Application Number** 

:NA :NA

Filing Date

Filing Date

(62) Divisional to Application:NA Number

:NA

(71)Name of Applicant:

1)LASSO FINANCIAL LTD.

(21) Application No.5626/DELNP/2012 A

Address of Applicant: Hunkins Plaza Main Street PO Box 556

Charlestown Nevis U.S.A.

(72)Name of Inventor:

1)THICHY Thomas

### (57) Abstract:

The heat insulating fire proof water resistant permeable to air flexible lightweight concrete with a volume density below 500 kg/m made with polystyrene pearl according to the invention is equally suitable for heat and sound insulation of walls and slabs as well as decreasing their water permeability or water absorbing capacity as well as increasing their resistance to fire at the same time keeping their ability to be permeable to air and humidity for renovation old buildings or building new buildings. Its composition is: polystyrene pearl or recycled polystyrene of 1 10 mm diameter water cement and organic (polymer) binding material mixed with cement: such homo co and terpolymers which are water soluble and/or can be dispersed in water. Resulting from the use of organic (polymer) binding material the polystyrene pearls can be easily mixed with the inorganic binding material and water. The heat insulating material produced this way can be even 100 kg/m depending on the quantity of the binding materials. The ready made material can be greased pumped cast; board brick or filling walls can be made of it and above 300 kg/m volume density it can be plastered as well. The cement can be mixed or replaced by gypsum. The polystyrene pearl can be mixed or replaced by a material which consists of granules and is water repellent and is of small volume density (max. 400 kg/m).

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

(21) Application No.5419/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: METHOD FOR GEO REFERENCING AN IMAGED AREA

(51) International classification :G01S17/89,G06F17/30,G06T7/00 (71)Name of Applicant : (31) Priority Document No :0906095

:15/12/2010

:16/12/2009 (32) Priority Date (33) Name of priority country :France

(86) International Application :PCT/EP2010/069697 No

Filing Date

(87) International Publication :WO 2011/073227

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

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

1)THALES

Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur

Seine France

(72)Name of Inventor:

1)SIMON Alain

#### (57) Abstract:

The invention relates to a method for geo referencing an area using an optronic imaging system (100) including a step comprising the acquisition of M successive images using a detector (1) the imaged area being distributed between said M images with M = 1. The invention also comprises the following steps: measurement of P distances d d ... d between the system and P points of the area known as telemetered points with P = 3 said telemetered points being distributed in K of said images with 1 = K = M; acquisition of the positioning x y z of the detector on the dates of acquisition of the M images; measurement of the attitude f of the detector on the dates of acquisition of the M images; acquisition of the co ordinates in said K images of the so called image points (pq) (pq) ... (p q) corresponding to the P telemetered points; and a step comprising an estimation of the capture condition parameters x y z f corresponding to the M images as a function of the positions attitudes distances and co ordinates of the image points in order to correct the errors in the parameters xm, ym, zm m Qm f of each of the M images.

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

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BIS(DIFLUORMETHYL)PYRAZOLES USED AS FUNGICIDES

(51) International classification :C07D417/14,A61K31/454,A01N43/78

(31) Priority Document No:61/288484 (32) Priority Date :21/12/2009 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/EP2010/070156

Filing Date :17/12/2010

(87) International Publication No :WO 2011/076699

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

(71)Name of Applicant:

1)BAYER CROPSCIENCE AG

Address of Applicant : Alfred Nobel Str. 50 40789 Monheim

Germany

(72)Name of Inventor: 1)CRISTAU Pierre

2)HOFFMANN Sebastian

3)KLUTH Joachim
4)TSUCHIYA Tomoki
5)WASNAIRE Pierre
6)BENTING J<sup>1</sup>/<sub>4</sub>rgen

7)PORTZ Daniela

8)WACHENDORFF NEUMANN Ulrike

9)HILLEBRAND Stefan

#### (57) Abstract:

1The invention relates to bis(difluormethyl)pyrazol derivatives of formula (I) in which the symbols R X and G have the meanings cited in the description and agrochemically active salts metal complexes and N oxides thereof and their use for controlling harmful plant pathogenic fungi and methods for producing compounds of formula (I).

No. of Pages: 114 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :25/06/2012

(21) Application No.5646/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: VISUAL MONITORING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:PCT/FR2010/052766 :16/12/2010 :WO 2011/080462 :NA :NA	(71)Name of Applicant: 1)PRODITEC Address of Applicant: 3 rue Eug¨ne Chevreul F 33600 Pessac France (72)Name of Inventor: 1)MAURIN Denis
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a device (10) for visually monitoring products (P) including at least one conveyor (14) having at least one belt (16) carrying the products (P) in one direction (S) towards a visual monitoring means (18) and a means for launching (30) products (P) through said visual monitoring means (18) located at the end (22) of said conveyor (14) in the direction thereof (S) said visual monitoring means (18) including an image capturing device (36) and an optical device (38) said visual monitoring device (10) being characterised in that the capturing device (36) is a single camera having a sensor line (LC) and axis (C1) pointing towards the path (T) of the products (P) through the optical device (38) and in that the optical device (38) includes at least one mirror (M2) located behind the path (T) of the launched products (P) relative to the exposure station of the camera (36) a double periscope (104) inserted between the camera (36) and the path (T) of the products (P) and at least two sets (M3A) and (M4A) of mirrors installed symmetrically on either side of the axis (C1).

No. of Pages: 32 No. of Claims: 13

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: IMPROVED METHOD FOR SYNTHESIZING ACROLEIN FROM GLYCEROL

(51) International classification :C07C45/52,C07C45/75,C07C47/22

(31) Priority Document No :0959379 (32) Priority Date :22/12/2009

(33) Name of priority country: France

(86) International Application :PCT/FR2010/052626

Filing Date :07/12/2010

(87) International Publication :WO 2011/083225

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application
Number
Siling Date: NA

(71)Name of Applicant: 1)ARKEMA FRANCE

Address of Applicant :420 rue dEstienne dOrves F 92700

Colombes France (72)Name of Inventor:

1)DUBOIS Jean Luc

#### (57) Abstract:

The present invention relates to a method for synthesizing acrolein, coupling the dehydration of glycerol into acrolein using a reaction for condensing aldol from acetaldehyde, produced in the impure state during dehydration, by means of formaldehyde. Specifically, the method according to the invention involves subjecting the gaseous effluent from the glycerol dehydration reaction to cooling, then proceeding firstly, in a first area, to water cleansing and condensation of said gaseous effluent so as to then separate, in a second fractionation area, firstly, a light aldehyde-rich flow from, secondly, a water-rich flow and, thirdly, the acrolein flow and then reacting the acetaldehyde, contained in the light aldehyde-rich flow from the previous step, with formaldehyde so as to obtain a second acrolein-rich flow by means of an aldol condensation reaction according to the following reaction diagram: CH3-CHO + CH2O f—CH2=CH-CHO + H2O; and recirculating said second acrolein-rich flow into the previous step.

No. of Pages: 36 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ORAL CARE FORMULATIONS FOR MALODOR CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61Q11/02,A61K8/27 :61/299764 :29/01/2010 :U.S.A. :PCT/US2011/022864 :28/01/2011 :WO 2011/094497	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A.  2)BOYD Thomas 3)LEIGH Leonora (72)Name of Inventor:
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2011/094497 :NA :NA	(72)Name of Inventor : 1)BOYD Thomas 2)LEIGH Leonora
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.5408/DELNP/2012 A

# (57) Abstract:

Described herein are oral care compositions comprising an orally acceptable carrier; and a film wherein said film comprises an odor controlling active; a mucoadhesive polymer; a release rate modulating polymer; a polymeric base; and optionally a flavorant; and wherein said film controls release of said odor controlling active.

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

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: LOADING BAY

(51) International classification:B65G69/00,B6(31) Priority Document No:P 200931223(32) Priority Date:22/12/2009(33) Name of priority country:Spain

(86) International Application No :PCT/ES2010/070782 Filing Date :29/11/2010

(87) International Publication No :WO 2011/083189

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

:B65G69/00,B65G69/28 (71)Name of Applicant :

1)AMISERRU S.L.

Address of Applicant :Avda.Madrid 122 E 08190 Sant Cugat

del Valls (Barcelona) Spain

2)IGLESIAS BALLESTER Miguel Angel

(21) Application No.5409/DELNP/2012 A

(72)Name of Inventor:

1)IGLESIAS BALLESTER Miguel Angel

#### (57) Abstract:

This loading bay comprises a hinged ramp to form a passage between the warehouse and the container of the truck a lateral and upper shelter a hinged platform located at a level below the hinged ramp and associated with actuating means movable frontal stops assembled on the front end of the platform and that form contact means for the trailer or container of the truck when it is approaching the loading bay means for detecting the position of the frontal stops that activate the luminous signal means to issue different luminous messages depending on the movement of the frontal stops and longitudinal movement means of the frontal stops to move them away from the container of the truck once it is stationary in the loading bay.

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

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AIR VEHICLE MOUNTED TRANSMITTING OR RECEIVING EQUIPMENT

(51) International classification	:B64C7/00,B64D47/08	(71)Name of Applicant:
(31) Priority Document No	:0922443.7	1)BAE SYSTEMS PLC
(32) Priority Date	:23/12/2009	Address of Applicant :6 Carlton Gardens London SW1Y 5AD
(33) Name of priority country	:U.K.	U.K.
(86) International Application No	:PCT/GB2010/052188	(72)Name of Inventor:
Filing Date	:22/12/2010	1)BROWN Robert
(87) International Publication No	:WO 2011/077152	2)COLLINGBOURNE Peter Wayne
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is air vehicle mounted or mountable transmitting and/or receiving equipment (1) including a transmitting and/or receiving turret (7) allowing at least a forward field of view said device being mounted or mountable on a fuselage (5) such that it extends away from the fuselage to which it is mounted; and a fairing (10) mounted to the fuselage adjacent said device at a rearward side of the device (10) for reducing aerodynamic drag said fairing (10) being retractable by means of a electrically driven mechanism (20) to afford the device a rearward (arrow R) or more effective rearward field of view for said transmitting and/or receiving.

No. of Pages: 22 No. of Claims: 18

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: EXTRACTS FROM KIBDELOS PORANGIUM AS ANTIBACTERIAL AGENTS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification Filing Date (52) International Publication Number Filing Date (53) International Application No Filing Date (54) International Publication No Filing Date (55) International Publication No Filing Date (56) International Publication No Filing Date (57) International Classification Filing Date (58) International Classification Filing Date (59) International Classification Filing Date (50) International Classification Filing Date (50) International Classification Filing Date (51) International Classification Filing Date (51) International Classification Filing Date (52) International Classification Filing Date (51) International Classification Filing Date (52) International Classification Filing Date (53) International Application Filing Date (54) International Classification Filing Date (55) International Classification Filing Date (56) International Classification Filing Date (57) International Classification Filing Date (58) International Classification Filing Date (59) International Classification Filing Date (50) International Classification Filing Date (61) International Classification Filing Date (62) International Classification Filing Date (63) International Classification Filing Date (70) International Classification Filing Date	(71)Name of Applicant:  1)MERCK SHARP & DOHME CORP.  Address of Applicant: 126 East Lincoln Avenue Rahway New Jersey 07065-0907 U.S.A.  2)MERCK SHARP & DOHME DE ESPA'A  (72)Name of Inventor:  1)SINGH Sheo  2)POLISHOOK Jon D.  3)ZINK Deborah L.  4)GENILLOUD Olga  5)GOETZ Michael  6)VICENTE Francisca  7)OLSEN David Brian  8)SMITH Scott Knoble
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### (57) Abstract:

The present invention relates to novel compounds of formulae (I) and (II) and pharmaceutically acceptable salts thereof that are useful in the treatment and/or prevention of human and animal bacterial infections and associated diseases and conditions; compositions containing such compounds; derivation of such compounds by fermentation and isolation partial synthesis and total synthesis; methods of inhibiting bacterial growth; methods of treating preventing or controlling bacterial infection; biologically pure cultures of bacterial strains from which such compounds may be produced; and processes for preparing compositions containing such compounds.

No. of Pages: 35 No. of Claims: 28

(21) Application No.5641/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BMP-7 VARIANTS WITH REDUCED IMMUNOGENICITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07K 14/51 :61/289,220 :22/12/2009 :U.S.A. :PCT/US2010/061437 :21/12/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)STRYKER CORPORATION  Address of Applicant: 2825 Airview Boulevard Kalamazoo  MI 49002 U.S.A.  (72)Name of Inventor:  1)PATTERSON Marilyn Elizabeth  2)ALAOUI-ISMAILI Moulay Hicham
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#### (57) Abstract:

The invention is directed to bone morphogenetic proteins that have reduced immunogenicity. In particular the invention is directed to human BMP-7 that has been modified to reduce immunogenicity through alteration of the amino acid sequence of wild-type BMP-7.

No. of Pages: 47 No. of Claims: 16

(21) Application No.5642/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HYPER ADAPTER AND METHOD FOR ACCESSING DOCUMENTS IN A DOCUMENT BASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/12/2010 :WO 2011/080321 :NA :NA	(71)Name of Applicant:  1)FREY Tim  Address of Applicant: Auweg 12 74855 Hamersheim  Germany (72)Name of Inventor:  1)FREY Tim
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a hyper adapter (300) for accessing documents (400) and/or document portions (410) which are stored in a document base (305) wherein the hyper adapter (300) has: a. an access translator (303) which is designed to process at least one access document (302) received by the hyper adapter (300) wherein the access document (302) specifies one or more classes (402) of documents (400) and/or document portions (410); b. wherein the hyper adapter (300) is designed to associate the documents (400) and/or document portions (410) stored in the document base (305) with one or more classes (402) using classification means which are specified in the access document (302).

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

(21) Application No.5421/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD OF PRODUCING AN EXTRACT OF GREEN COFFEE

(51) International classification	n:A23F5/02,A23F5/24,B65D85/804	(71)Name of Applicant:
(31) Priority Document No	:09179816.5	1)NESTEC S.A.
(32) Priority Date	:18/12/2009	Address of Applicant : Avenue Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application	:PCT/EP2010/069011	(72)Name of Inventor:
No	:07/12/2010	1)LELOUP Valrie Martine Jeanine
Filing Date	.07/12/2010	2)ALLENBACH Yves
(87) International Publication	:WO 2011/073052	3)SCHOONMAN Johanna Hendrika
No	0 2011/0/3032	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	12.12.2	

## (57) Abstract:

The present invention relates to a method of producing an extract of green coffee wherein green coffee beans are subjected to a heat treatment and extracted without being roasted.

No. of Pages: 12 No. of Claims: 11

(21) Application No.5422/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN INSTANT OIL FRIED NOODLE CONTAINING IRON AND ITS PROCES OP PREPARATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:PCT/SG2009/000490 :23/12/2009 :PCT :PCT/SG2009/000490 :23/12/2009 :WO 2011/078788 :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: AVENUE NESTLE 55, CH-1800 VEVEY, SWITZERLAND (72)Name of Inventor:  1)SHAMEEM Alam
• •	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention concerns an instant oil fried noodle comprising an amount of iron between 26 and 35 mg for 100 g of noodles between 1 and 20 % of oil between 60 and 90 % of flour up to 2 % of kansui ingredient and a water content between 2 and 12 %.

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

(21) Application No.5427/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BEVERAGE-PREPARATION DEVICE PROVIDED WITH A LIQUID DISTRIBUTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A47J31/46 :2003977 :18/12/2009 :Netherlands :PCT/NL2010/050852 :15/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)BRAVILOR HOLDING B.V. Address of Applicant: Pascalstraat 20 NL-1704 RD Heerhugowaard The Netherlands (72)Name of Inventor: 1)VERHOEVEN Ramon Eduard 2)KOOPMAN Carlos Nicolaas Jozef Maria 3)HUIBERTS Johannes Theodorus Emerentia
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#### (57) Abstract:

The present invention relates to a beverage -preparation device (1 40) provided with a storage container (2) for liquid a dispensing (4 43) line connected to the storage container (2) at least two beverage - dispensing stations (6 7 9) each provided with a collecting reservoir (11 12 18 41 42) which collecting reservoirs are movable with respect to the dispensing line a driving device (5 21 22) which engages with the dispensing line and/or the collecting reservoirs for displacing the dispensing line with respect to the collecting reservoirs in order to selectively bring the collecting reservoirs into liquid communication with the dispensing...

No. of Pages: 15 No. of Claims: 6

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ADDITIVE FOR FLUID CATALYTIC CRACKING CATALYST

:NA

:NA

(51) International classification: B01J21/16,B01J29/08,B01J37/00 (71) Name of Applicant: (31) Priority Document No :2009295563 1)JGC CATALYSTS AND CHEMICALS LTD. (32) Priority Date :25/12/2009 Address of Applicant: 16th Floor Solid Square East Tower 580 (33) Name of priority country :Japan Horikawa cho Saiwai ku Kawasaki shi Kanagawa 2120013 Japan (72)Name of Inventor: (86) International Application :PCT/JP2010/007443 1)HAYASHI Shigenori :22/12/2010 Filing Date 2)NONAKA Seijiro (87) International Publication :WO 2011/077721 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

#### (57) Abstract:

Filing Date

Number

Disclosed is an additive for a fluid catalytic cracking catalyst which is capable of enhancing the cracking efficiency of a heavy oil fraction while suppressing increase in the coke yield. Specifically disclosed is an additive for a fluid catalytic cracking catalyst which is obtained by spray drying a mixed slurry that contains a binder and alumina silica. The additive for a fluid catalytic cracking catalyst has a specific surface area of 100 400 m/g and a total solid acid amount of 0.10 mmol/g or more but less than 0.50 mmol/g. It is preferable that the ratio of the strong acid amount relative to the total solid acid amount is 20% or less. It is also preferable that the ratio of the alumina silica in the mixed slurry is 20% by mass or more but less than 80% by mass and the silica content in the alumina silica is more than 0% by mass but less than 10% by mass.

No. of Pages: 36 No. of Claims: 6

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: A HUB FOR A WIND TURBINE AND A METHOD FOR FABRICATING THE HUB

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:21/12/2010 :WO 2011/076795 :NA :NA	(71)Name of Applicant:  1)VESTAS WIND SYSTEMS A/S Address of Applicant: Hedeager 44 DK 8200 Aarhus N Denmark (72)Name of Inventor: 1)BECH Anton 2)BITSCH Michael Lundgaard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A hub (1) for a wind turbine and a method for fabricating the hub (1) are disclosed. The hub (1) comprises a continuous shell forming a hollow body with a main shaft flange (4) adapted to connect the hub (1) to a main shaft and one or more blade flanges (5) each blade flange (5) being adapted to connect the hub (1) to a wind turbine blade. The hub (1) further comprises at least two hub parts (2 3 7) each hub part (2 3 7) being casted separately from a castable material and each hub part (2 3 7) being subsequently connected to at least one other hub part (2 3 7) via one or more connecting portions (6) so that at least one blade flange (5) and/or the main shaft flange (4) comprises a section forming part of or being attached to one of the hub parts (2 3 7) and a section forming part of or being attached to another hub part (2 3 7) thereby ensuring that the casted parts have a size and a weight which are manageable during the manufacture in particular during the casting. The hub (1)may comprise one or more reinforcement elements arranged at or near the blade flange(s) (5) e.g. comprising an inner wall (8) arranged at a distance to the continuous shell thereby forming a cavity (9) between the inner wall (8) and the continuous shell. This allows the regions between the blade flanges (5) to be small or narrow thereby reducing the size and weight of the hub (1) while maintaining a sufficient strength and stiffness of these regions.

No. of Pages: 32 No. of Claims: 23

(22) Date of filing of Application :03/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: OPTICAL SYSTEM FOR MEASURING ORIENTATION WITH CUBIC WEDGE AND MASK

<ul> <li>(51) International classification</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>	:G01C :11 02462 :05/08/2011 :France :NA	Seine France
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)BRUNO BARBIER
(87) International Publication No	: NA	2)LAURENT POTIN
(61) Patent of Addition to Application Number	:NA	3)SIEGFRIED ROUZES
Filing Date	:NA	0)522 51 1222 116 5225
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

THE FIELD OF THE INVENTION IS THAT OF OPTICAL SYSTEMS FOR DETECTING THE POSTURE OF A MOBILE OBJECT IN SPACE. THE SYSTEM COMPRISES AN ELECTRO-OPTICAL FIXED DEVICE (OT) OF KNOWN ORIENTATION COMPRISING A FIRST POINT EMISSION SOURCE (S), A TELECENTRIC EMISSION/RECEPTION OPTIC AND A PHOTOSENSITIVE MATRIX SENSOR (D). AN ASSEMBLY COMPRISING AN OPTICAL CUBIC WEDGE (CO) IS DISPOSED ON THE MOBILE OBJECT. THE INPUT FACE OF THE CUBIC WEDGE COMPRISES A MASK (MK) IN THE SHAPE OF A PARALLELOGRAM, EACH SIDE OF THE PARALLELOGRAM COMPRISING A GEOMETRIC MARKING MAKING IT POSSIBLE TO IDENTIFY IT, THE IMAGE OF THE MASK PROJECTED ON THE PHOTOSENSITIVE MATRIX SENSOR, BY REFLECTION ON THE FACES OF THE CUBIC WEDGE, BEING THE INTERSECTION OF THE PROJECTION OF THE MASK AND OF THE PROJECTION OF ITS IMAGE INVERTED WITH RESPECT TO THE CENTRE OF THE CUBIC WEDGE. ANALYSIS OF THIS IMAGE MAKES IT POSSIBLE TO DETERMINE THE ORIENTATION OF THE CUBIC WEDGE.

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

(21) Application No.5662/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD OF DETERMINING A COMBUSTOR EXIT TEMPERATURE AND METHOD OF CONTROLLING A GAS TURBINE

(51) International classification: F02C9/28,F01D21/00,F01D17/08 (71)Name of Applicant: (31) Priority Document No 1)SIEMENS AKTIENGESELLSCHAFT :10153487.3 (32) Priority Date Address of Applicant: Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen :12/02/2010 (33) Name of priority country :EPO (86) International Application (72)Name of Inventor: :PCT/EP2010/070853 1)PANOV Vili :29/12/2010 Filing Date (87) International Publication :WO 2011/098193 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

It is described a method of determining an exit temperature of a gas exiting a combustor (24) of a gas turbine (10) the method comprising: determining a mass flow and a temperature of fuel being delivered to the combustor; determining a mass flow and a temperature of air being delivered to the combustor; determining a temperature dependence of the specific heat capacity of a burnt mixture of the fuel and the air being delivered to the combustor; and determining an exit temperature of the burnt mixture exiting the combustor based on the determined mass flow and temperature of the fuel the determined mass flow and temperature of the air and the determined temperature dependence of the specific heat capacity of the burnt mixture. Further a method of controlling a gas turbine is described.

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

(19) INDIA

(22) Date of filing of Application :25/06/2012

(21) Application No.5663/DELNP/2012 A

(43) Publication Date: 07/03/2014

### (54) Title of the invention: FAECAL INCONTINENCE COLLECTOR

(51) International

:A61F5/442,A61F5/443,A61F5/451

classification (31) Priority Document No

:09014887 :25/11/2009

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

No

(86) International Application :PCT/SE2010/000277

Filing Date

:25/11/2010

(87) International Publication

:WO 2011/065885

No

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)MUKUTA TALABUSHI AKANGANYIRA

Address of Applicant: Molnvdersgatan 8 S 418 35 Gothenburg

Sweden

(72)Name of Inventor:

1)MUKUTA TALABUSHI AKANGANYIRA

# (57) Abstract:

The invention relates to an for patients with faecal / urinary incontinence auxiliary device in the form of a on the skin around the anus glued collection bag made of suitable and skin friendly plastic that is foldable 180 degrees in the patient s front or back position. The design eliminates or substantially reduces the direct contact with faeces and thereby reduces the instances of possible contamination. The collection bag is equipped with channels for water rinsing 9 ointment application 10 and de odorising filters F. The collection bag can be used continuously for several days. The collection bag can easily be removed from the patient by means of the top 6 being made of light sensitive adhesives. When the collection bag is removed the bag can easily be sealed with the lid 8 and transported by means of the carrying handle 7.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A ROTARY WING AIRCRAFT BEARING FOR ROTARY WING AIRCRAFT MOTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:61/263,799 :23/11/2009 :U.S.A.	(71)Name of Applicant:  1)LORD CORPORATION  Address of Applicant:111 Lord Drive P.O. Box 8012 Cary  NC 27512-8012 U.S.A.  (72)Name of Inventor:  1)HALLADAY James R.  2)SHERIDAN Patrick M.  3)DOWNING Marshall W.

#### (57) Abstract:

A rotary wing aircraft bearing that provides a constrained relative motion between a first rotary wing aircraft member and a second rotary wing aircraft member. The bearing includes an elastomeric mold bonded laminated bearing stack the elastomeric mold bonded laminated bearing stack including a plurality of mold bonded alternating layers of nonelastomeric shim member layers and elastomeric shim members layers the alternating layers having an exterior surface and an interior center distal from the exterior surface. At least one of the elastomeric shim members layers has an interior elastomer region distal from the exterior surface the interior elastomer region formed an interior cured elastomer composition having at least a first interior optical characteristic ingredient

No. of Pages: 79 No. of Claims: 103

(19) INDIA

(22) Date of filing of Application :18/06/2012

(21) Application No.5415/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: SEAT TRACK 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>	:B60N2/07 :61/287782 :18/12/2009 :U.S.A. :PCT/US2010/061064 :17/12/2010 :WO 2011/075661 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 East 32nd Street Holland MI 49423 U.S.A.  2)BALIN Alexander I. 3)DOXEY Kyle 4)SAVESKI Alexander 5)SEIBOLD Kurt A. 6)ZEKAVICA Ornela (72)Name of Inventor: 1)BALIN Alexander I. 2)DOXEY Kyle 3)SAVESKI Alexander 4)SEIBOLD Kurt A. 5)ZEKAVICA Ornela
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## (57) Abstract:

A seat track system for use in a vehicle seat assembly having a seat base frame. The seat track system includes a lower track assembly having a first lower track and a second lower track and an upper track assembly having a first upper track slidably disposed within the first lower track and a second upper track slidably disposed within the second lower track. The first upper track has a portion extending upwards that forms a first side member of the seat base frame and the second upper track has a portion extending upwards that forms a second side member of the seat base frame. The first upper track and the first side member are formed integrally to form a one piece unitary member and the second upper track and the second side member are formed integrally to form a one piece unitary member.

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

(21) Application No.5651/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: MULTI LAYER SYSTEM COMPRISING A BASE LAYER A PRIMER LAYER AND A SCRATCH PROOF LAYER

(51) International

:C08K5/544,B32B27/18,B32B27/08 classification

:10 2009 059 774.3 (31) Priority Document No (32) Priority Date :21/12/2009 (33) Name of priority country: Germany

(86) International Application :PCT/EP2010/070125

No :17/12/2010 Filing Date

(87) International Publication :WO 2011/085909

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

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

:NA Filing Date

(71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Strasse 10 40789

Monheim Germany (72)Name of Inventor:

1)MEYER ZU BERSTENHORST Birgit

2)CAPELLEN Peter

## (57) Abstract:

The invention relates to a multi layer system comprising a base layer made of a thermoplastic synthetic material a primer layer and a scratch proof layer made of a scratch proof varnish wherein the multi layer system is characterized in that the primer layer comprises a specific UV absorber and a specific volume of acid preferably acetic acid is added to the scratch proof varnish.

No. of Pages: 37 No. of Claims: 12

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: BINDER COMPOSITION FOR THE FORMATION OF SELF CURING MOLDS

(51) International classification :B22C1/10,B22C1/22,C08G4/00 (71)Name of Applicant : (31) Priority Document No :2009295711

(32) Priority Date :25/12/2009

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2010/072779

Filing Date :17/12/2010 (87) International Publication No: WO 2011/078082

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

(62) Divisional to Application :NA 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)KATOMasayuki 2)MATSUOToshiki 3)KANZAWATomofumi

4)JOKETakashi

#### (57) Abstract:

Provided is a binder composition for the formation of self curing molds which can improve the strength of a mold and the depth curability thereof. Also provided is a process for the production of molds using the same. A binder composition for the formation of self curing molds which comprises (A) at least one condensate selected from among furfuryl alcohol condensates and furfuryl alcohol/formaldehyde condensates and (B) an acid curable resin wherein the condensate (A) has a content ratio by mole of furan ring (a) to the total of methylol group (b) methylene group (c) and oxymethylene group (d) a: (b+c+d) of 1: 1.00 to 1: 1.08 and the content of the condensate (A) in the binder composition is 0.3 to 8.0wt%.

No. of Pages: 38 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application :25/06/2012

(21) Application No.5653/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: DISPLAY DEVICE

(51) International classification	:G01D11/24,G01D11/26	(71)Name of Applicant :
(31) Priority Document No	:2009293633	1)NIPPON SEIKI CO.LTD.
(32) Priority Date	:25/12/2009	Address of Applicant :2 34Higashi zaoh 2 chomeNagaoka shi
(33) Name of priority country	:Japan	Niigata 9408580 Japan
(86) International Application No	:PCT/JP2010/072427	(72)Name of Inventor:
Filing Date	:14/12/2010	1)SANOSatoshi
(87) International Publication No	:WO 2011/077997	2)NAKAMURAYuichiro
(61) Patent of Addition to Application	:NA	3)UMEZAWAKatsuhito
Number	:NA	
Elling Data	.IVA	

## (57) Abstract:

Filing Date

Filing Date

(62) Divisional to Application Number

:NA

:NA

A meter device which can be mounted and removerd easier than conventional meter devices. A meter device is provided with a display plate (20) a circuit board (30) a middle case (40) which is disposed on the front surface side of the circuit board (30) and on which the display plate (20) is mounted an upper case (50) which is disposed on the front surface side of the middle case (40) and through which the front surface can be seen and a lower case (60) which covers the middle case (40) and the circuit board (30). A flange section (400) which is sandwiched and held between the upper and lower cases (50 60) is provided to the peripheral edge of the middle case (40). One of the upper case (50) and the lower cases (60) is provided with engagement sections (510 523) and engagement sections (600) which engage with the engagement sections (510 523) are provided to the other of cases (50 60) so as to correspond to the engagement sections (510 523).

No. of Pages: 27 No. of Claims: 4

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SEALING DEVICE FOR TURBOCHARGER

(51) International classification	:F02B37/24,F16J15/08	(71)Name of Applicant:
(31) Priority Document No	:2010018597	1)IHI Corporation
(32) Priority Date	:29/01/2010	Address of Applicant :1 1 Toyosu 3 chome Koto ku Tokyo
(33) Name of priority country	:Japan	1358710 Japan
(86) International Application No	:PCT/JP2011/000429	(72)Name of Inventor:
Filing Date	:27/01/2011	1)MATSUYAMA Yoshimitsu
(87) International Publication No	:WO 2011/093075	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	:INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed is a sealing device for a turbocharger comprising a sealing body (24) and a retaining means (29). The sealing body (24) is formed in a ring shape and has a fitting/fixing part (25) and a clearance opposing part (27). The fitting/fixing part (25) is hermetically fitted and fixed to a step part (22) which is formed facing a scroll passage (8) in a turbine housing (1). The clearance opposing part (27) opposes the outer circumference part of a turbine housing side exhaust introduction wall (9a) of an exhaust nozzle (10) with there being a clearance (S) between the clearance opposing part (27) and said outer circumference part. The sealing body (24) is provided in such a way that the clearance opposing part (27) is pressure attached to the turbine housing side exhaust introduction wall (9a) due to the difference between the fluid pressure of the scroll passage (8) and the fluid pressure in the clearance (S). The retaining means (29) is formed at the fitting/fixing part (25) of the sealing body (24) and prevents separation of the fitting/fixing part (25) from the step part (22).

No. of Pages: 39 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: GASIFICATION REACTOR AND PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C10J3/46,C10J3/82 :10151517.9 :25/01/2010 :EPO :PCT/EP2011/050986 :25/01/2011 :WO 2011/089268 :NA :NA :NA	(71)Name of Applicant: 1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Address of Applicant: Carel van Bylandtlaan 30 NL 2596 HR The Hague Netherlands (72)Name of Inventor: 1)VON KOSSAK GLOWCZEWSKI Thomas Paul
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(21) Application No.5560/DELNP/2012 A

#### (57) Abstract:

A gasification reactor (1) and a process for the production of syngas by gasification of a carbonaceous feed. The reactor comprises a gasifier unit with a discharge channel (4) for discharging a stream of slag loaded hot syngas and a quencher (5) for supplying a flow of quench gas into the discharge channel (4). At least one blaster (10) is arranged comprising at least one blast nozzle (12) such as a blast lance in line with the flow direction of the quench gas. The blaster (10) can be connected to a source of pressurized gas such as syngas nitrogen carbon dioxide steam or the like. The blaster can be actuated periodically to blast away slag deposits.

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

(21) Application No.5561/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

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

(51) International classification :A61M11/08,A
(31) Priority Document No :203561
(32) Priority Date :27/01/2010
(33) Name of priority country :Israel

(86) International Application No :PCT/IL2011/000103 Filing Date :30/01/2011

(87) International Publication No :WO 2011/080747

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

:A61M11/08,A61M15/06 (71)Name of Applicant :

1)AESPIRA LTD.

Address of Applicant :P.O. Box 3010 48 Moshav Shdema

76855 Israel

(72)Name of Inventor:

1)ADLER Dan

2)KRITZMAN Amnon

3)HOLTZ Arie

#### (57) Abstract:

A dry powder inhaler device comprising: a casing; an air inlet located at a first end of said casing; a powder delivery port located at a second end of said casing said port is positioned distal to said inlet; and an elongated assembly within an interior of said casing a first end of said assembly is proximal to said air inlet; a second end of said assembly is proximal to said delivery port; said assembly partially rotates within said casing about a single axis; and said assembly comprises at least one compartment containing dry powder wherein said dry powder compartment is proximal to said second end of said assembly; and said dry powder compartment comprises a porous structure encasing said dry powder; whereby airflow through said device causes said assembly to partially rotate within said casing about a single axis and dry powder is thereby released from said compartment and becomes entrained in said airflow.

No. of Pages: 25 No. of Claims: 18

(21) Application No.5673/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 07/03/2014

### (54) Title of the invention: AIRCRAFT MAINTENANCE UNIT

(51) International classification :B64F1/36,B64F5/00,B64D41/00 (71)Name of Applicant:

(31) Priority Document No :12/698561 (32) Priority Date :02/02/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/023131

No :31/01/2011 Filing Date

(87) International Publication No:WO 2011/097156

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)PRATT & WHITNEY LINE MAINTENANCE

SERVICES INC.

Address of Applicant: 411 Silver Lane East Hartford

Connecticut 06118 U.S.A. (72)Name of Inventor:

1)NORDLUND Sebastian

2)AMCOFF Henrik

3)NYBERG Helena

## (57) Abstract:

The disclosure relates to a maintenance unit for servicing aircraft during stand still comprising electrically powered service and/or maintenance equipment. There is a power input for connecting the unit to an electrical power supply operating at 200/115VAC at 400Hz. The unit further comprises a transformer and conversion unit (TCU) for transforming the 200/115VAC/400 Hz power to standard grid voltage at 400/230VAC at 50 Hz and at least one frequency converter enabling variable frequency of the output voltage for powering said service and/or maintenance equipment. The maintenance equipment may be a gas turbine engine washing equipment and comprises a water delivery member for supplying water from a water source a high pressure pump coupled to the water providing means for providing pressurized water and a high pressure water outlet connection for connecting cleaning devices.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ELECTROMAGNETIC CASTING APPARATUS FOR SILICON

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (33) Name of priority country :NA :PCT/JP2009/071620 :25/12/2009 :NA	(S) (S) (S) (S) (N)	Filing Date 87) International Publication No 61) Patent of Addition to Application Number Filing Date 62) Divisional to Application Number	:25/12/2009 : NA :NA :NA :NA		
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#### (57) Abstract:

The present invention aims at providing a silicon electromagnetic casting apparatus which can prevent the outward deflection of a crucible 200 used in the apparatus. This apparatus has a reaction vessel 100 the conductive crucible 200 installed in the reaction vessel 100 and an induction coil 300 installed on the outer circumference of the crucible 200 wherein constant pressure is maintained in the reaction vessel 100 using a prescribed gas and the silicon inside the crucible 200 is solidified after melting it by induction heating by applying voltage on the induction coil 300. In the apparatus a hard structure 810 made from electrical insulating material is fitted onto the outer peripheral surface of the crucible 200.

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

(21) Application No.5572/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FLUID FLOW CONTROL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)SYSTEM D&D CO.LTD.  Address of Applicant:899 Tamnip dong Yuseong gu Daejeon 305 510 Republic of Korea (72)Name of Inventor:  1)KIM Young Bum
$\mathcal{E}$	:WO 2011/118863	1)XXIII Toung Bun
Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed therein is a fluid flow control device having a cylinder assembly which includes cylinders overlapped with each other and fluid pathways for controlling flow rate and velocity of fluid comprising: a first cylinder having a plurality of first fluid pathways of an elongated form horizontally permeating the cylinder from a central axis; a second cylinder disposed on the outer circumference of the first cylinder; and a third cylinder disposed on an outer circumference of the second cylinder.

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

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: IDENTIFICATION OF BEVERAGE INGREDIENT CONTAINING CAPSULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A47J31/36 :09180071.4 :21/12/2009 :EPO :PCT/EP2010/070269 :20/12/2010 :WO 2011/076750 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)OZANNE Matthieu  2)VUAGNIAUX Didier
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention concerns a beverage production system comprising beverage ingredient containing capsules (1) comprising an identification member (6) and a beverage production machine for receiving said capsules said machine comprising contact means (8) for physically contacting the capsule identification member (6) in order to read information thereof and control means connected to the contact means and designed to control the operation of the beverage production machine (11) in response to the read information the contact means (8) comprising: at least one displaceable probe (81) which mechanically contacts the capsule identification member (6) a resilient support member (82) in contact with the probe on one side and associated to a circuitry (9) on its other side wherein the part of the resilient support member in contact with the probe presents such a shape that it is able to deform itself when the probe applies a force on it the deformation being partially transversal to the direction applied by the force.

No. of Pages: 21 No. of Claims: 14

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : KEEPING PACKET SWITCHED SESSION IN LTE WHILE CIRCUIT SWITCHED REGISTERED IN WCDMA

#### (57) Abstract:

A wireless terminal (30) when already having a registration and/or session for a packet switched (PS) service with a Long Term Evolution (LTE) core network makes a registration for a circuit switched (CS) service over a Wide Band Code Division Multiplexing (WCDMA) air interface with a circuit switched (CS) core network but in conjunction with the registration for the circuit switched (CS) service maintains the registration and/or session for a packet switched (PS) service with the Long Term Evolution (LTE) core network.

No. of Pages: 33 No. of Claims: 24

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR PRODUCING POUCHED TOBACCO PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:61/291119 :30/12/2009 :U.S.A. :PCT/IB2010/003473	(71)Name of Applicant:  1)PHILIP MORRIS PRODUCTS S.A.  Address of Applicant: Quai Jeanrenaud 3 CH 2000 Neuchtel Switzerland  (72)Name of Inventor:  1)CAPTHAFENER Mortin T.
(31) Priority Document No	:61/291119	1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:30/12/2009	Address of Applicant :Quai Jeanrenaud 3 CH 2000 Neuchtel
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/IB2010/003473	(72)Name of Inventor:
Filing Date	:30/12/2010	1)GARTHAFFNER Martin T.
(87) International Publication No	:WO 2011/080591	2)SMITH Barry S.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In a method and apparatus (10) for producing a small pouch (12) with a predetermined amount of particulate material (14) therein a predetermined amount of the particulate material (14) is portioned from a bulk supply and compacted into a single discrete caplet (22). The caplet (22) is then deposited into an open hollow pouch (12) closed at one end thereof and the open end is then closed with the caplet (22) between the closed ends of the pouch (12). The caplet (22) in the pouch (12) is then compressed to return it to its particulate form. The particulate material (14) may be granular or shredded tobacco.

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

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : HIGH PERFORMANCE ENERGY STORAGE AND COLLECTION DEVICES CONTAINING EXFOLIATED MICROTUBULES AND SPATIALLY CONTROLLED ATTACHED NANOSCALE PARTICLES AND LAYERS

(51) International classification	:H01M 4/133	(71)Name of Applicant:
(31) Priority Document No	:61/288,025	1)DESIGNED NANOTUBES LLC
(32) Priority Date	:18/12/2009	Address of Applicant :4211 Waters Edge Cove Austin TX
(33) Name of priority country	:U.S.A.	78731-5139 U.S.A.
(86) International Application No	:PCT/US2010/060349	(72)Name of Inventor:
Filing Date	:14/12/2010	1)BOSNYAK Clive P
(87) International Publication No	: NA	2)SWOGGER Kurt. W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	NT A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract		•

#### (57) Abstract:

The present disclosure relates to energy storage or collection devices and methods for making such devices having electrode materials containing exfoliated nanotubes with attached electro- or photoactive nanoscale particles or layers. The exfoliated nanotubes and attached nanoscale particles or layers may be easily fabricated by methods such as coating, solution or casting or melt extrusion to form electrodes. Electrolytes may also be used for dispersing nanotubes and also in a polymeric form to allow melt fabrication methods.

No. of Pages: 26 No. of Claims: 28

(21) Application No.5584/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

(51) International classification :C12N5/071,C12N5/0735,C12N5/02

(31) Priority Document No :61/289692 (32) Priority Date :23/12/2009

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

(86) International PCT/US2010/060770 Application No

Filing Date :16/12/2010

(87) International Publication :WO 2011/079018

No

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

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

(71)Name of Applicant:

1)JANSSEN BIOTECH INC.

Address of Applicant :800/850 Ridgeview Drive Horsham PA

19044 U.S.A.

(72)Name of Inventor:

1)DAVIS Janet

2)PARMENTER Christine

3)DITOLVO Kevin

## (57) Abstract:

The present invention provides methods to promote the differentiation of pluripotent stem cells into insulin producing cells. In particular the present invention provides a method to increase the expression of NGN3 and NKX. I in populations of cells expressing markers characteristic of the pancreatic endocrine lineage.

No. of Pages: 100 No. of Claims: 2

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: METHOD FOR PRODUCING CHROMIUM (III) OXIDE

(51) International

:C01G37/00,C01G37/02,C01G37/14

classification

(19) INDIA

(31) Priority Document No :09180385.8 :22/12/2009

(32) Priority Date

(33) Name of priority country:EPO (86) International

Application No

:PCT/EP2010/069211

Filing Date

:08/12/2010

(87) International Publication :WO 2011/076573

(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)LANXESS DEUTSCHLAND GMBH

(21) Application No.5585/DELNP/2012 A

Address of Applicant: 51369 Leverkusen Germany

(72)Name of Inventor:

1)FRIEDRICH Holger

2)ORTMANN Rainer

3)STENGER Matthias

4)VAN ROOYEN Daniel 5)KALIDEEN Naveen

6)BOLL Matthias

(57) Abstract:

The invention relates to a method for producing chromium (III) oxide containing the following steps: a) an alkali metal ammonium chromate double salt is decomposed at a temperature of between 200 and 650°C especially between 250 and 550°C b) the decomposition product obtained in step a) is washed and c) the product obtained in step b) is calcinated at a temperature of between 700 and 1400°C especially between 800 and 1300°C.

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

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

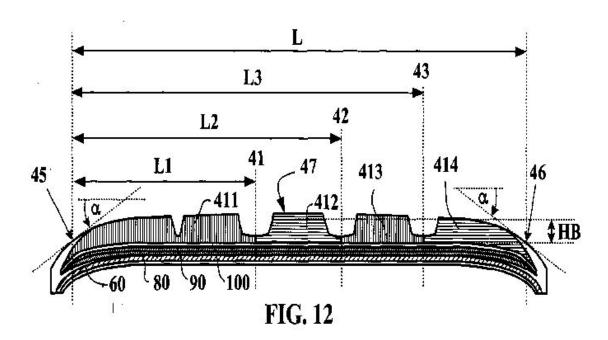
(43) Publication Date: 07/03/2014

### (54) Title of the invention: TYRE WITH IMPROVED TREAD

(51) International classification	:B60C11/00	(71)Name of Applicant:
(31) Priority Document No	:0959384	1)COMPAGNIE GENERALE DES ETABLISSEMENTS
(32) Priority Date	:22/12/2009	MICHELIN
(33) Name of priority country	:France	Address of Applicant :12 cours Sablon F 63000 Clermont
(86) International Application No	:PCT/EP2010/070054	Ferrand France
Filing Date	:17/12/2010	2)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(87) International Publication No	:WO 2011/076680	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)FAURE Jean Claude
Number	:NA	2)IGIER Emmanuel
Filing Date	.11/1	3)MANGERET Jean Luc
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Tyre (10) comprising a tread (40) having a mean radial height HB an outer edge (45) and an inner edge (46) the axial distance between the outer edge (45) and the inner edge (46) defining the axial width L of the tread the tread comprisinga first portion (411) made of a first rubber compound extending from the outer edge (45) to a first axial position at an axial distance from the outer edge of between 20% and 40% of the axial width; a second portion (412) made of a second rubber compound extending from said first axial position to a second axial position at an axial distance from the outer edge of between 50% and 60% of the axial width L; a third portion (413) made of a third rubber compound extending from said second axial position to a third axial position at an axial distance from the outer edge of between 80% and 90% of the axial width L; and a fourth portion (414) made of a fourth rubber compound extending from said third axial position to the inner edge (46) of the tread wherein said first and third rubber compounds are predominantly filled with carbon black filler wherein said second and fourth rubber compounds are predominantly filled with non carbon black filler and wherein said first rubber compound and said third rubber compound.



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

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

:NA

# (54) Title of the invention : HIGH INTERNAL PHASE EMULSION FOAM HAVING LOW LEVELS OF UNPOLYMERIZED MONOMERS

:C08J9/28,C08F2/24,C08F2/48 (71)Name of Applicant : (51) International classification 1)THE PROCTER & GAMBLE COMPANY (31) Priority Document No :61/290947 (32) Priority Date :30/12/2009 Address of Applicant :One Procter & Gamble Plaza Cincinnati (33) Name of priority country OH 45202 U.S.A. :U.S.A. (86) International Application No :PCT/US2010/060996 (72)Name of Inventor: Filing Date :17/12/2010 1)MERRIGAN Steven Ray (87) International Publication No :WO 2011/081987 2)DESMARAIS Thomas Allen (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

A surgical instrument including a shaft and an end effector. The end effector may comprise a first jaw and a second jaw. The first jaw may be movable relative to the second jaw between an open configuration and a closed configuration. The sur o gical instrument may comprise a closure assembly which may be operably engaged with the first jaw. The closure assembly may comprise a closure trigger and a dampening system. The closure trigger may be configured to be actuated from a first position to a second position to close the first jaw. The dampening system may be configured to retard the opening of the closure trigger. The dampening system may comprise an aperture configured to receive the projection at a first end of the aperture and a seal config ured to form a fluid seal between said projection and said aperture sidewalk

No. of Pages: 35 No. of Claims: 8

(21) Application No.5484/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: MICROPOROUS ACTIVATED CARBON FOR EDLCS

(51) International

:H01G9/058,C01B3/08,H01M4/133

classification

(31) Priority Document No :61/297469 :22/01/2010

(32) Priority Date

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

(86) International Application :PCT/US2011/021782

No

:20/01/2011

Filing Date

(87) International Publication :WO 2011/091092

:NA

No

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

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning NY 14831

(72)Name of Inventor:

1)GADKAREE Kishor P.

2)LIU Jia

#### (57) Abstract:

An electric double layer capacitor electrode includes microporous carbon, wherein the microporous carbon includes pores having a size of 1 nm or less, which provide a combined pore volume of at least 0.3 cm<sup>3</sup>/g, pores having a size of from 1 nm to 2 nm, which provide a combined pore volume of at least 0.05 cm<sup>3</sup>/g, and less than 0.15 cm<sup>3</sup>/g combined pore volume of any pores having a size greater than 2 nm.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD FOR PRODUCING A POLYMER MATERIAL FILLED WITH LONG FIBERS

(51) International classification :B27N3/04,B29C47/10,C08J3/20 (71)Name of Applicant:

(31) Priority Document No :A 72/2010 (32) Priority Date :20/01/2010 (33) Name of priority country :Austria

(86) International Application :PCT/AT2011/000027

No :17/01/2011 Filing Date

(87) International Publication No:WO 2011/088487

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H.

Address of Applicant :Freindorf Unterfeldstrasse 3 A 4052

Ansfelden Austria

(72)Name of Inventor:

1)HACKL Manfred 2)FEICHTINGER Klaus

3)WENDELIN Gerhard

4)REISINGER Walter

## (57) Abstract:

The invention relates to a method for producing a polymer material filled with long fibers wherein the fibers which normally have a certain residual moisture of approximately 5 to 8% and which have minimum length greater than 2 mm and a carrier material are mixed and heated in a reactor or cutter compactor wherein the substrate material is constantly moved and optionally disintegrated and the flowability or lumpiness is constantly maintained. According to the invention the conditions in particular the temperature in the reactor are set in such a way that the fibers are dried to the lowest possible residual moisture at which the fibers are just sufficiently flexible enough to fracture neither during the processing in the reactor nor during an optional subsequent compression for example an extrusion.

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

(21) Application No.5597/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: HERBICIDE TOLERANT PLANTS

(51) International classification :C12N15/82,C12N9/88,C12N15/60

(31) Priority Document No :61/288958 (32) Priority Date :22/12/2009

(33) Name of priority country: U.S.A.(86) International Application .PCT/EP201

No :PCT/EP2010/007483

Filing Date :06/12/2010

(87) International Publication :WO 2011/076345

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)BAYER CROPSCIENCE NV

Address of Applicant :J.E. Mommaertslaan 14 B 1831 Diegem

Belgium

(72)Name of Inventor:1)RUITER Rene2)GOLDS Timothy

## (57) Abstract:

The present invention re lates to Brassica plants comprising full knockout AHAS alleles and to brassica plant comprising a combination of full knockout AHAS alleles and AHAS alleles encoding herbicide tolerant AHAS proteins, nucleic acid sequences representing full knockout AHAS alleles, as well as methods for generating and identifying said plants and alleles, which can be used to obtain herbicide tolerant plants.

No. of Pages: 87 No. of Claims: 32

(21) Application No.5598/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : PNEUMATIC OBJECT PROVIDED WITH A GAS TIGHT LAYER COMPRISING A STYRENE THERMOPLASTIC ELASTOMER AND A POLYPHENYLENE ETHER

<ul> <li>(51) International 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>	1:C08L53/00,C08L53/02,B60C5/14 :0959519 :23/12/2009 :France :PCT/EP2010/070406 :21/12/2010 :WO 2011/076802	(71)Name of Applicant:  1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  Address of Applicant: 12 cours Sablon F 63000 Clermont Ferrand France  2)MICHELIN RECHERCHE ET TECHNIQUE S.A. (72)Name of Inventor:  1)ABAD Vincent
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	2)CUSTODERO Emmanuel 3)GREIVELDINGER Marc

## (57) Abstract:

The invention relates to a pneumatic object provided with an inflation gas tight elastomer layer said elastomer layer comprising at least a styrene thermoplastic elastomer with a polyisobutylene block characterised in that the tight elastomer layer also comprises a polyphenylene ether (PEE).

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

(21) Application No.5599/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

:NA

(54) Title of the invention : MACROMONOMER MIXTURE TERMINAL REACTIVE POLYMER MIXTURE INTERMEDIATE

FOR MACROMONOMER AND SILICONE HYDROGEL	

(51) International classification	:C08F2/38,C08F8/00,C08F8/30	(71)Name of Applicant :
(31) Priority Document No	:2009296803	1)JOHNSON & JOHNSON VISION CARE INC.
(32) Priority Date	:28/12/2009	Address of Applicant :7500 Centurion Parkway Jacksonville
(33) Name of priority country	:Japan	FL 32256 U.S.A.
(86) International Application No	:PCT/US2010/061966	(72)Name of Inventor:
Filing Date	:23/12/2010	1)FUJISAWA Kazuhiko
(87) International Publication No	:WO 2011/090683	2)NAKAMURA Masataka
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	.NA	

# (57) Abstract:

Filing Date

To obtain a hydrophilic macromonomer mixture which is a highly polymerized hydrophilic macromonomer has few components not bonded to the polymer chain after polymerization and is less likely to leaching. Provided is a macromonomer mixture containing macromonomer A being a macromonomer having a group obtained by further introducing a polymerizable group into a reactive group derived from a polymerization initiator at an end thereof; and macromonomer B being a macromonomer having a group obtained by further introducing a polymerizable group into a reactive group derived from a chain transfer agent at an end thereof.

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

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: LIGAND DIRECTED COVALENT MODIFICATION OF PROTEIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:C40B 30/04 :61/335043 :30/12/2009 :U.S.A. :PCT/US2010/062473 :30/12/2010 :WO 2011/082285 :NA :NA :NA	(71)Name of Applicant: 1)AVILA THERAPEUTICS INC. Address of Applicant:100 Beaver Street Waltham Massachusetts 02453 U.S.A. (72)Name of Inventor: 1)PETTER Russell C. 2)JEWELL Charles F. 3)LEE Kwangho 4)MEDIKONDA Aravind Prasad 5)NIU Deqiang 6)QIAO Lixin 7)SINGH Juswinder 8)ZHU Zhendong
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# (57) Abstract:

The present invention relates to enzyme inhibitors. More specifically the present invention relates to ligand directed covalent modification of proteins; method of designing same; pharmaceutical formulation of same; and method of use.

No. of Pages: 647 No. of Claims: 184

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: WATER DESALINATION USING DIRECTIONAL SOLVENT EXTRACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C02F 1/26 :61/264,270 :25/11/2009 :U.S.A. :PCT/US2010/057448 :19/11/2010 : 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)Anurag BAJPAYEE 2)Daniel KRAEMER
<u>e</u>		, ,
(62) Divisional to Application Number Filing Date	:NA :NA	6)Borivoje MIKIC

#### (57) Abstract:

Substantially pure water is produced via desalination using a directional solvent that directionally dissolves water but does not dissolve salt. The directional solvent is heated to dissolve water from the salt solution into the directional solvent. The remaining highly concentrated salt water is removed and the solution of directional solvent and water is cooled to precipitate substantially pure water out of the solution.

No. of Pages: 27 No. of Claims: 21

(21) Application No.5524/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: APPARATUS FOR STERILIZATION BY STEAM WITH ADDITIONAL HEATING MEANS

Number Filing Date  (62) Divisional to Application Number Filing Date  (83) Patent of Addition to Application SNA	Filing Date (62) Divisional to Application Number	:15/06/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)Aqua Doctor Co. Ltd. Address of Applicant: 3F. 325-66 Jangnim-dong Saha-gu Busan 604-040 Republic of Korea (72)Name of Inventor: 1)CHEONG Yeon-Seong 2)SON Soo-Beom
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#### (57) Abstract:

According to the present invention the steam generated by a steam generator is reheated by a heating amplifying means while being injected through an injection gun so a temperature of the steam can be increased to a desired range and accordingly the sterilizing and cleaning effects can be further improved.

No. of Pages: 49 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :20/06/2012 (4

(21) Application No.5525/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DIGESTER TANK FOR A BIOGAS PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12M 1/107 :10 2009 059 262.8 :22/12/2009 :Germany :PCT/IB2010/055957 :20/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)Horst Unterlechner   Address of Applicant:Lechstr. 1 86899 Landsberg am Lech Germany.  2)Thomas Dory (72)Name of Inventor: 1)Horst Unterlechner 2)Thomas Dory
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a digester tank (1) for a biogas plant. The interior (3) of the digester tank (1) is at least partially surrounded by media-tight pressure-tight and thermally insulating walls (4). The digester tank (1) has thermally insulating exterior wall segments (6). The thermally insulating exterior wall segments (6) form a self-supporting polygonal ring (7).

No. of Pages: 31 No. of Claims: 41

(21) Application No.5636/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: LOADING APPARATUS OF A SILO

(51) International classification	:B65G 53/06	(71)Name of Applicant:
(31) Priority Document No	:BO2009A000824	1)WAM INDUSTRIALE S.P.A.
(32) Priority Date	:24/12/2009	Address of Applicant :Strada degli Schiocchi 12 I-Modena
(33) Name of priority country	:Italy	Italy
(86) International Application No	:PCT/IB2010/003339	(72)Name of Inventor:
Filing Date	:23/12/2010	1)MARCHESINI Vainer
(87) International Publication No	: NA	2)GOLINELLI Luca
(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 loading apparatus (10) of a silo (20). The apparatus (10) comprising: - a pneumatic filling circuit (11) connecting the silo (20) to a tanker (12) for transporting a granular or powdery material; and - a filtering device (13) suitable to filter the compressed transport gas coming out of the silo (20). The apparatus (10) is characterized in that a recovery device (14) of at least part of the energy contained in the compressed transport gas of the granular or powdery material is arranged between the tanker (12) and the silo (20).

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CHARGING STATIONS FOR ELECTRIC VEHICLES

(51) International classification	:A47J31/46	(71)Name of Applicant :
(31) Priority Document No	:61/289,755	1)PROTERRA INC.
(32) Priority Date	:23/12/2009	Address of Applicant :1 WHITLEE COURT, GREENVILLE,
(33) Name of priority country	:U.S.A.	SOUTH CAROLINA 29607, U.S.A.
(86) International Application No	:PCT/US2010/061862	(72)Name of Inventor :
Filing Date	:22/12/2010	1)MORRIS Donald
(87) International Publication No	: NA	2)HILL Dale
(61) Patent of Addition to Application	:NA	3)HORTH John
Number	:NA	4)SARKAR Reuben
Filing Date	.11/11	5)ABBOTT Teresa J.
(62) Divisional to Application Number	:NA	6)REEVES William Joseph Lord
Filing Date	:NA	7)WIENS Ryan Thomas

## (57) Abstract:

The invention relates to systems and methods for charging a vehicle. A vehicle and charging station can be designed such that an electric or hybrid vehicle can operate in a fashion similar to a conventional vehicle by being opportunity charged throughout a known route

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

(21) Application No.5638/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : COMBINATION OF THEOBROMINE WITH A DECONGESTANT AND ITS USE FOR THE TREATMENT OF COUGH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:A61K 31/137 :0921805.8 :14/12/2009 :U.K. :PCT/GB2010/052085 :14/12/2010 : NA :NA	(71)Name of Applicant:  1)BIOCOPEA LIMITED  Address of Applicant:100 Fetter Lane London Greater  London EC4A 1BN U.K. (72)Name of Inventor:  1)BREW John  2)BANNISTER Robin Mark
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An agent comprises theobromine and a decongestant as a combined preparation for simultaneous sequential or separate use in therapy particularly in the therapy of cough.

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

(21) Application No.5639/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: THERAPEUTIC COMBINATIONS OF THEOBROMINE AND AN ANTIHISTAMINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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 31/4402 :0921803.3 :14/12/2009 :U.K. :PCT/GB2010/052086 :14/12/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)BIOCOPEA LIMITED  Address of Applicant:100 Fetter Lane London Greater  London EC4A 1BN U.K. (72)Name of Inventor:  1)BREW John  2)BANNISTER Robin Mark
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## (57) Abstract:

An agent comprises theobromine and an antihistamine as a combined preparation for simultaneous sequential or separate use in therapy particularly in the therapy of cough.

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

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD OF SELECTING REFRIGERANT LUBRICANT COMBINATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:20/12/2010 :WO 2011/082003 :NA :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)VAN HORN Brett L. 2)BONNET Philippe
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides methods for selecting refrigerant and lubricant combinations for use in heat transfer cycle systems and provides methods for operating said heat transfer systems. More particularly the invention provides methods to select lubricant and refrigerant combinations for a heat transfer cycle system wherein at the lower temperatures of the heat transfer cycle the refrigerant and lubricant are miscible and at the upper temperatures of the heat transfer cycle the refrigerant and lubricant are phase separated and such that the density phase inversion temperature of the combination is below the upper operating temperature of the heat transfer cycle.

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

(21) Application No.5519/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : NOVEL BACILLUS THURINGIENSIS CRYSTAL POLYPEPTIDES, POLYNUCLEOTIDES, AND COMPOSITIONS THEREOF

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on  :C12N 15/32 :60/547,664 :25/02/2004 :U.S.A. :PCT/US2005 :25/02/2005 :WO 2005/082 :NA :NA :NA	3)MCBRIDGE KEVIN 4)YAMAMOTO TAKASHI
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## (57) Abstract:

The present invention provides insecticidal polypeptides related to Bacillus Cry2 polypeptides. Nucleic acids encoding the polypeptides of the invention are also provided. Methods for using the polypeptides and nucleic acids of the invention to enhance resistance of plants to insect predation are encompassed.

No. of Pages: 151 No. of Claims: 19

(21) Application No.5630/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (4)

(43) Publication Date: 07/03/2014

# (54) Title of the invention : MASS SPECTROMETRIC DETERMINATION OF NON DERIVATIZED NON METABOLIZED VITAMIN D

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	61/285943	(71)Name of Applicant:  1)QUEST DIAGNOSTICS INVESTMENTS INCORPORATED  Address of Applicant: 300 Delaware Avenue Wilmington DE 19899 U.S.A. (72)Name of Inventor:  1)HOLMQUIST Brett 2)CLARKE Nigel J.
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#### (57) Abstract:

The invention relates to the detection of non metabolized vitamin D. In a particular aspect the invention relates to methods for detecting underivatized non metabolized vitamin D by mass spectrometry.

No. of Pages: 95 No. of Claims: 48

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: USE OF 1 3-DIPHENYLPROP-2-EN-1-ONE DERIVATIVES FOR TREATING LIVER DISORDERS

(31) Priority Document No :093 (32) Priority Date :26/ (33) Name of priority country :EP (86) International Application No :PC	PCT/EP2010/068346 (72)Name of Inventor: 1/6/11/2010 1)DARTEIL Rapha«l 2/HANF Rmy 3/HUM Dean NA NA	i
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#### (57) Abstract:

The invention provides 1 3-diphenylprop-2-en-1-one derivatives and pharmaceutical compositions comprising the same for treating liver disorders in particular those requiring the reduction of plasma level of biochemical markers such as aminotransferases. The 1 3-diphenylprop-2-en-1-one derivatives of General Formula (I) have hepatoprotective properties and can be used in methods for treating liver disorders involving the pathological disruption inflammation degeneration and/or proliferation of liver cells such as liver fibrosis or fatty liver disease.

No. of Pages: 48 No. of Claims: 11

(19) INDIA

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

(21) Application No.5633/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: TREATMENT OF INFECTIOUS DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:03/12/2010 : NA :NA :NA :NA	(71)Name of Applicant: 1)PROXIMAGEN LTD Address of Applicant: 3rd Floor 91-93 Farringdon Road London EC1M 3LN United Kingdom. (72)Name of Inventor: 1)Peter BLOWER
Filing Date	:NA	

## (57) Abstract:

The present invention relates to the treatment or prevention of infectious disorders and to tonabersat or an analogue of formula (1) and compositions comprising tonabersat or an analogue of formula (1) for use in said treatments.

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

(19) INDIA

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

(21) Application No.5634/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: TREATMENT OF ALLODYNIA AND HYPERALGESIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:03/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)PROXIMAGEN LTD  Address of Applicant: 3rd Floor 91-93 Farringdon Road  London EC1M 3LN United Kingdom.  (72)Name of Inventor:  1)Peter BLOWER  2)Argeris KARABELAS
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to the treatment or prevention of allodynia and/or hyperalgesia and to tonabersator an analogue of formula (1) and compositions comprising tonabersat or an analogue of formula (1) for use in said treatments.

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

(19) INDIA

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

(21) Application No.5635/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F01P 5/10 :PI 20095690 :31/12/2009 :Malaysia :PCT/MY2010/000332 :29/12/2010 : NA :NA :NA	(71)Name of Applicant:  1)PETROLIAM NASIONAL BERHAD (PETRONAS) Address of Applicant: Tower 1 PETRONAS Twin Towers Kuala Lumpur City Centre 50088 Kuala Lumpur Malaysia. (72)Name of Inventor: 1)HAFIZ Hozay 2)TAYLOR Gordon 3)GRANVILLE Roy
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#### (57) Abstract:

An engine (10) including a block (12) a coolant pump (22) and a timing cover (16) the coolant pump being mounted on the block the timing cover having an inlet duct (62) an outlet duct (64) and a bypass duct (66) the inlet duct being in fluid communication with the outlet duct and the bypass duct the inlet duct outlet duct and bypass duct being integrally formed with the timing cover.

No. of Pages: 21 No. of Claims: 24

(21) Application No.5739/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ENERGY RECOVERY IN MANUFACTURE OF SULFURIC 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> </ul>	:20/01/2011 :WO 2011/139390 :NA :NA	(71)Name of Applicant:  1)MECS INC.  Address of Applicant: Corporate Pointe 14522 South Outer Forty Road Suite 100 St. Louis MO 63017 U.S.A. (72)Name of Inventor:  1)VERA CASTANEDA Ernesto
1,61110.01	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to the recovery of energy in the manufacture of sulfuric acid and more particularly to enhanced recovery of energy from the absorption of wet SOin sulfuric acid. The invention is further directed to control of mist formation during SO absorption and of the sulfuric acid mist content of the gas stream leaving the SO absorption step in a process wherein SO absorption energy is recovered from absorption acid in useful form.

No. of Pages: 181 No. of Claims: 148

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD FOR ESTIMATING THE NUMBER OF INCIDENT SOURCES IN A SENSOR ARRAY BY MEANS OF ESTIMATING NOISE STATISTICS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:G01S3/74,G01S3/80 :0906216 :21/12/2009 :France :PCT/EP2010/070138 :17/12/2010 :WO 2011/076696 :NA :NA	(71)Name of Applicant: 1)THALES Address of Applicant: 45 rue de Villiers F 92200 Neuilly sur Seine France 2)FERREOL Anne (72)Name of Inventor: 1)GERMONT Ccile 2)CHEVALIER Pascal
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method and system for determining the number of incident sources in an array that comprises C sensors receiving N observations, said method comprising at least the following steps: calculating the matrix B and the eigenvalues  $\{\hat{l} > 1, |, \hat{l} > N\}$  thereof obtained from a signal received on C sensors; classifying the eigenvalues  $\{\hat{l} > 1, |, \hat{l} > N\}$  so as to obtain  $\hat{l} > 1 > 0$ ; initializing from i to i= M + 1 and i = i - 1; calculating the mean and the standard deviation of the noise eigenvalues; calculating the mean of the N - i lowest eigenvalues of the matrix B; and calculating the standard deviation of the N - i lowest eigenvalues of the matrix B. If  $\hat{l} > 1 > \hat{l} > 0$  moy +  $\hat{l} + \hat{l} = 0$ , then said eigenvalue belongs to the signal space, and the number of sources present in the mixture is equal to i, where  $\hat{l} = 0$  is a threshold that makes it possible to monitor the probability of a false alarm. If  $\hat{l} > 1 > 0$  moy +  $\hat{l} = 0$  moy +  $\hat{l}$ 

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

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STABILIZED BLENDS CONTAINING FRICTION MODIFIERS

(51) International classification :C10M141/06,C10M171/06 (71)Name of Applicant : (31) Priority Document No :61/264871 1)THE LUBRIZOL CORPORATION (32) Priority Date :30/11/2009 Address of Applicant :29400 Lakeland Blvd. Wickliffe Ohio (33) Name of priority country :U.S.A. 44092 2298 U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2010/056918 1)DELBRIDGE Ewan E. Filing Date :17/11/2010 (87) International Publication No :WO 2011/066142 2)MULLAY John J. (61) Patent of Addition to Application :NA 3)BURRINGTON James D. 4)SHARPE Jonathan S. :NA Filing Date 5)DUNKERLEY John W. (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The present invention relates to functional fluid compositions containing friction modifiers and specifically stable compositions containing friction modifiers with limited solubility in and/or limited compatibility with the functional fluids with which they are used. In particular the present invention deals with functional fluids used in internal combustion engines such as engine oils and friction modifiers derived from hydroxy carboxylic acids where the friction modifier is present in the functional fluid composition at levels that would otherwise cause the composition to be unstable and/or hazy.

No. of Pages: 46 No. of Claims: 13

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : DESALINATION APPARATUS A MODULE FOR USE IN A DESALINATION APPARATUS AND A METHOD OF DESALINATING A SALINE WATER SOURCE

(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  Since Part of Addition to Application Number  (32) Priority Date (33) Name of priority country (24) U.K. (34) PCT/GB2010/051999 (35) PCT/GB2010/051999 (36) International Application No (37) International Publication No (38) International Application No (39) PCT/GB2010/051999 (39) PCT/GB2010/051999 (30) PCT/GB2010/051999 (30) PCT/GB2010/051999 (31) PCT/GB2010/051999 (32) PCT/GB2010/051999 (33) Name of Applicant :21 Lodge View Lodge Mill Lane (34) Ramsbottom Greater Manchester BL0 0SY Great Britain U.1 (39) PCT/GB2010/051999 (30) PCT/GB2010/051999 (30) PCT/GB2010/051999 (30) PCT/GB2010/051999 (30) PCT/GB2010/051999 (31) PCT/GB2010/051999 (32) PCT/GB2010/051999 (33) Name of Inventor: (34) PCT/GB2010/051999 (35) PCT/GB2010/051999 (36) PCT/GB2010/051999 (37) Name of Inventor: (37) Name of Inventor: (38) PCT/GB2010/051999 (39) Name of Inventor: (39) Name of Inventor: (30) Na	.K.
Filing Date  (62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

A desalination apparatus (100) comprises a series of modules (110) which may be mounted on supports (150). Seawater (12) flows through base units (130) along a channel (131) by gravity and is heated by a heating unit (140) such as solar lenses (141) to produce water vapour. A chimney (160) induces an airflow AF laterally across the channel (131) and substantially perpendicularly to the water flow WF. The airflow AF draws the water vapour to a condenser (70) that collects fresh water. The condenser (170) may be mounted within the chimney (160) and may use cold seawater as a coolant.

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

(22) Date of filing of Application :27/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: ACIDIC EXTRACTS AND BEVERAGES CONTAINING 2 5 PIPERAZINEDIONE 3 6 BIS(PHENYLMETHYL) (3S 6S)

(51) International classification: A23L2/52, A23L1/313, A61P25/24 (71) Name of Applicant:

:WO 2011/077761

(31) Priority Document No :2009296247 (32) Priority Date :25/12/2009

(33) Name of priority country :Japan

(86) International Application :PCT/JP2010/053699

:26/02/2010 Filing Date

(87) International Publication

No

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)SUNTORY HOLDINGS LIMITED

Address of Applicant: 1 40 Dojimahama 2 chome Kita ku

Osaka shi Osaka 5308203 Japan

2) CEREBOS PACIFIC LIMITED

(72)Name of Inventor:

1)MATSUBAYASHI Hideki

2)YAMAMOTO Kenji

3)WATANABE Hiroshi

(57) Abstract:

The present invention aims to provide extracts available for use in acidic beverage production and containing 2.5 piperazinedione 3.6 bis(phenylmethyl) (3S 6S) which is a useful substance with an improving effect on learning motivation. When an acid treatment step is included in the production of extracts containing 2.5 piperazinedione 3.6 bis(phenylmethyl) (3S.6S) it is possible to obtain acidic extracts which cause no sedimentation even when added to beverages. The extracts of the present invention can be added to beverages and so on without impairing the taste inherent to foods and beverages and can be used for production of acidic beverages preferred by most consumers.

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

(21) Application No.5649/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NON IRRITATING OPHTHALMIC POVIDONE IODINE COMPOSITIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A01N25/00,A61K31/74,A01N45/00 :61/286697 :15/12/2009	(71)Name of Applicant:  1)FORESIGHT BIOTHERAPEUTICS INC.  Address of Applicant:50 W. 57th Street 15th Floor New York NY 10019 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)LIANG Bo
(86) International Application No Filing Date	:PCT/US2010/060489 :15/12/2010	2)CAPRIOTTI Joseph A. 3)SAMSON C. Michael 4)STEIN Jason
(87) International Publication No	:WO 2011/084473	5)WEISER Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed are compositions and methods comprising povidone iodine and a cooling effective amount of a chemical agent. The compositions are useful to relieve mild ocular irritation enhance ocular comfort and to provide a refreshing effect and improved sensation when the povidone iodine solution is applied to the eye.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SYSTEM FOR TREATING TARGET TI S SUE WITHIN THE EUSTACHIAN TUBE

(51) International :A61M25/00,A61M25/06,A61M25/10 classification

(31) Priority Document No :12/649078 (32) Priority Date :29/12/2009

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

country

(86) International :PCT/US2010/062161 Application No

:27/12/2010 Filing Date

(87) International :WO 2011/082139 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)ACCLARENT INC.

(21) Application No.5650/DELNP/2012 A

Address of Applicant: 1525 B OBrien Drive Menlo Park

California 94025 U.S.A. (72)Name of Inventor: 1)CLIFFORD Anton G. 2)MAKOWER Joshua 3)CHANG John Y. 4)MORRISS John H.

5)BRIGHT Earl A. 6)GOLDFARB Eric 7)VRANY Julia D.

## (57) Abstract:

(19) INDIA

Systems for accessing a Eustachian tube (26) of a patient are disclosed. The system includes a guide (1600) configured for passing into a nasal passage of the patient to position a distal tip (1602) of the catheter at or near a Eustachian tube the guide having a distal tip with a bend having an angle between 30 and 90 degrees; and a guidewire (1604) configured to pass through the guide into the Eustachian tube. A device (1606) for providing therapy to the Eustachian tube is passed through the guide.

No. of Pages: 75 No. of Claims: 27

(21) Application No.5743/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: COOLING DEVICE IN PARTICULAR FREEZER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:F25D21/14 :10 2010 007 141 .2 :05/02/2010 :Germany :PCT/AT2011/000069 :07/02/2011 :WO 2011/094792 :NA :NA	(71)Name of Applicant:  1)AHT COOLING SYSTEMS GMBH  Address of Applicant: Werksgasse 57 A 8786 Rottenmann  Austria (72)Name of Inventor:  1)RESCH Reinhold
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a cooling device in particular a freezer comprising an inner housing (3) a cooling chamber (6) for goods to be cooled and at least one apparatus (8) for subjecting the cooling chamber (6) to various temperatures. The cooling chamber is subjected to various temperatures by means of evaporator lines (9) of a refrigerant circuit encircling the cooling chamber (6) wherein the evaporator lines (9) are arranged one above the other. Furthermore the cooling device is provided with a channel (12) for collecting melted water and/or condensed water (13). According to the invention the lowest evaporator line (9) is arranged substantially at the same height as the channel (12).

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

(21) Application No.5744/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MONODOSE NASAL DRUG DELIVERY DEVICE

(51) International classification (31) Priority Document No	:A61M5/00 :61/284696	(71)Name of Applicant: 1)BECTON DICKINSON AND COMPANY
(32) Priority Date	:23/12/2009	Address of Applicant :One Becton Drive Franklin Lakes NJ
(33) Name of priority country	:U.S.A.	07417 1880 U.S.A.
(86) International Application No	:PCT/US2010/062029	(72)Name of Inventor:
Filing Date	:23/12/2010	1)VEDRINE Lionel
(87) International Publication No	:WO 2011/079278	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A delivery device for delivery of a medicament to a user including a container defining a reservoir storing the medicament a body in which the container is received a spray nozzle arranged on one of the body and the container for receiving medicament expelled from the container and a pusher actuatable for pushing the medicament from the container reservoir through the nozzle said pusher being movable from a rest position to a fully activated position relative to said body in response to an actuating force. The assembly is particularly applicable to nasal syringes where it is desirable to deliver the medicament in the form of a spray.

No. of Pages: 27 No. of Claims: 15

(22) Date of filing of Application :27/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: ELECTRIC MOTOR HAVING A PULSE WIDTH MODULATOR

(51) International classification	:H02P7/29,H02P27/08	(71)Name of Applicant :
(31) Priority Document No	:10 2009 047 645.8	1)ROBERT BOSCH GMBH
(32) Priority Date	:08/12/2009	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/068639	(72)Name of Inventor:
Filing Date	:01/12/2010	1)LURK Volker
(87) International Publication No	:WO 2011/069869	2)HABERL Nikolas
(61) Patent of Addition to Application	:NA	3)FISCHER Frank
Number	:NA	4)PODDEY Christian
Filing Date	.TVA	5)STIEFEL Tobias
(62) Divisional to Application Number	:NA	6)KOERNER Michael
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an electric motor having a stator and a rotor. The electric motor also comprises a controller wherein the controller is connected to the stator and/or rotor and is designed for applying current to the stator and/or rotor for rotating the rotor. According to the invention the controller comprises a pulse width modulator designed for controlling a power output of the electric motor in order to generate a predetermined number of different current application patterns. The current application patterns each represent a power output of the electric motor and preferably comprise a time sequence of current pulses each having a current pulse duration. The controller is designed for applying current to the electric motor according to at least two different current application patterns for actuating the electric motor during a time interval of actuation such that a power output of the electric motor in the time based average of the time interval of actuation in particular from the beginning to the end of the time interval is different from the power outputs represented by the current application patterns in the time interval of actuation.

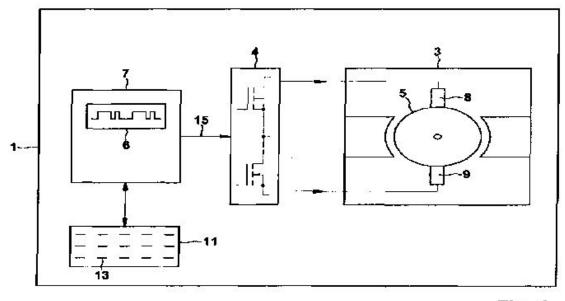


Fig. 1

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

(22) Date of filing of Application :27/06/2012

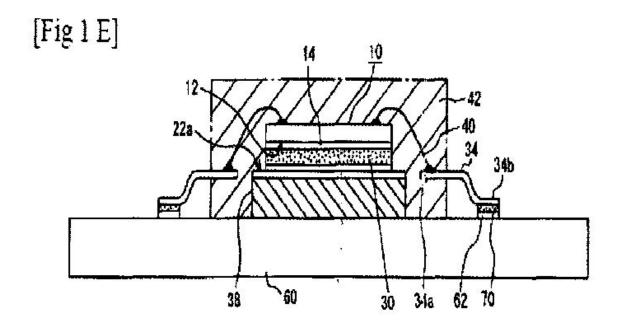
(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD FOR SOLDERING SURFACE MOUNT COMPONENT AND SURFACE MOUNT COMPONENT

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number  Sapan  Sapan Sapa	CHI
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

Provided are a method for soldering a surface mount component and a surface mount component with which dissolution of die bonding solder material does not occur even when a surface mount component formed using a die bonding solder material is soldered to a printed board using a mounting solder material. A surface mount component formed using an (Sn Sb) high melting point solder material which has Sn as the primary component and a Cu content of a predetermined value or less and serves as a die pad solder material (30) is soldered using an (Sn Ag Cu Bi) solder material which serves as a mounting solder material (70) that has been applied to a board terminal section of a circuit board. The solidus temperature of the die bonding solder material (30) is 243°C and the liquidus temperature of the mounting solder material (70) is 215°C to 220°C. The die bonding solder material (30) will therefore not dissolve even at the heating temperature of a reflow furnace (240°C or less).



No. of Pages: 46 No. of Claims: 9

(22) Date of filing of Application :27/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: TURKS HEAD STAND

(51) International classification:B21C37/08,B21B31/08,B21D1/05 (71)Name of Applicant:

:28/12/2009

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

(33) Name of priority country: NA

(86) International Application :PCT/JP2009/071805 No

Filing Date

(87) International Publication :WO 2011/080837

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)NAKATA MANUFACTURING Co. LTD.

(21) Application No.5747/DELNP/2012 A

Address of Applicant: 7 6 Tagawa 3 chome Yodogawa ku

Osaka shi Osaka 5320027 Japan

(72)Name of Inventor:

1)YABUTA Hiroaki

2)WATANABE Takeshi

3)NAKANO Tomoyasu

# (57) Abstract:

(19) INDIA

Disclosed is a turks head stand that in a state in which a four way correcting roll has been mounted in a prescribed position further adjusts the position of the entire four way roll in the vertical and horizontal direction wherein a stacked body of roll chocks/yokes can be extracted from the stand in an orthogonal direction to the direction of movement of products and exchanged. For this purpose a double layer inner frame is disposed within an outer frame. The first frame is disposed in a manner enabling positioning exclusively in the vertical direction and the second frame is disposed within the first frame in a manner enabling positioning exclusively in the horizontal direction. The four way correcting roll and a positioning device are built within the second frame. A mechanism of depressed and protruding fittings is disposed on the facing surfaces of the roll chocks/yokes and the inner frame and the roll chocks/yokes are guided using the lowering motion of the inner frame after the connection with a screw down device is broken thereby enabling the stacked body to be successively formed and extracted from the roll stand. The stacked body is released using the upward motion of the inner frame thereby allowing the roll chocks/yokes to be guided to a prescribed position in the stand and locked.

No. of Pages: 43 No. of Claims: 4

(22) Date of filing of Application :27/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : SYSTEM AND METHODS FOR OPTIMIZING EFFICIENCY OF A HYDRAULICALLY ACTUATED 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>	:23/12/2010 :WO 2011/079267	(71)Name of Applicant:  1)GENERAL COMPRESSION INC.  Address of Applicant: 275 Washington St. Suite 210 Newton Massachusetts 02458 U.S.A.  (72)Name of Inventor:  1)ABORN Justin A.  2)INGERSOLL Eric D.  3)BLIESKE Matthew
<u>e</u>	:WO 2011/079267	7
Number Filing Date	:NA :NA	C)ZZZZZZZZ MANAZEW
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods for efficiently operating a hydraulically actuated device/system are described herein. For example systems and methods for efficiently operating a gas compression and expansion energy storage system are disclosed herein. Systems and methods are provided for controlling and operating the hydraulic actuators used within a hydraulically actuated device/system such as for example a gas compression and/or expansion energy system within a desired efficiency range of the hydraulic pump(s)/motor(s) used to supply or receive pressurized hydraulic fluid to or from the hydraulic actuators. In such a system a variety of different operating regimes can be used depending on the desired output gas pressure and the desired stored pressure of the compressed gas. Hydraulic cylinders used to drive working pistons within the system can be selectively actuated to achieve varying force outputs to incrementally increase the gas pressure within the system for a given cycle.

No. of Pages: 126 No. of Claims: 35

(21) Application No.5386/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR THE RECOVERY OF ENERGY

(51) International classification :C12C7/22,C12C7/26,C12C13/00 (71)Name of Applicant: (31) Priority Document No :10 2009 055 300.2

(32) Priority Date :23/12/2009

(33) Name of priority country :Germany

(86) International Application :PCT/EP2010/007890 No

:22/12/2010 Filing Date

(87) International Publication :WO 2011/076410

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

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

1)KRONES AG

Address of Applicant :Bhmerwaldstrasse 5 93073

Neutraubling Germany (72)Name of Inventor:

1)KAMMERLOHER Helmut

### (57) Abstract:

The invention relates to a device and method for recovering energy from a hot medium in particular from hot wort or hot mash for a beer brewery comprising a first heat exchanger device for a heat transfer medium W that is arranged in particular downstream of a device for heating boiling or keeping wort or mash warm and is designed such that the heat transfer medium W can be heated while cooling preferably wort or mash wherein at least one heat consumer of the brewery is heated with said heat transfer medium W. The heat transfer medium W cooled down during heating the heat consumer can be recirculated to the first heat exchanger device (1) in the circuit K.

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

(21) Application No.5388/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: CATALYST COMPOSITION FOR HYDROFORMYLATION REACTION AND A HYDROFORMYLATION PROCESS USING THE SAME

(51) International :B01J31/24,C07C45/50,C07C47/02

classification :1020100085890 (31) Priority Document No

:02/09/2010 (32) Priority Date (33) Name of priority country: Republic of Korea

(86) International Application :PCT/KR2011/005173 No

:14/07/2011 Filing Date

(87) International Publication :WO 2012/030065

(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)LG CHEM LTD.

Address of Applicant :20 Yoido dong Youngdungpo gu Seoul

150 721 Republic of Korea (72)Name of Inventor: 1)CHOI Jae Hui 2)KO Dong Hyun 3)KWON O Hak 4)EOM Sung Shik

5)HONG Moo Ho 6)YANG Hye Won

### (57) Abstract:

The present invention relates to a catalyst composition for hydroformylation reaction and a hydroformylation process using the same. In the hydrofomylation process using the catalyst composition according to the present invention increased catalytic stability and high catalytic activity can be obtained and the selectivity of iso aldehyde produced can be desirably controlled.

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

(21) Application No.5389/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: NEUREGULIN ANTAGONISTS AND USE THEREOF IN TREATING CANCER

(51) International :C07K14/475,C07K14/71,C12N15/113 classification

(31) Priority Document No:61/305878 (32) Priority Date :18/02/2010

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

country (86) International

:PCT/US2011/025163 Application No

:17/02/2011 Filing Date

(87) International

:WO 2011/103242 Publication No

:NA

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

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

Address of Applicant: 1 DNA Way South San Francisco

California 94080 4990 U.S.A.

2) THE BOARD OF TRUSTEES OF THE LELAND

STANFORD JUNIOR UNIVERSITY

3)JACKSON Erica

4)SWEET CORDERO Eric Alejandro

(72)Name of Inventor: 1)JACKSON Erica

2)SWEET CORDERO Eric Alejandro

## (57) Abstract:

Filing Date

The invention provides neuregulin antagonists and methods of using the neuregulin antagonists in delaying the time to tumor recurrence or preventing resistence of cancer cells to treatment with a therapeutic agent.

No. of Pages: 79 No. of Claims: 11

(21) Application No.5669/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STERILE GLOVE WITH TOUCHLESS DONNING

(51) International classification :A61B19/04,A41
(31) Priority Document No :12/635300
(32) Priority Date :10/12/2009
(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/059652 Filing Date :09/12/2010

(87) International Publication No :WO 2011/072109

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

:A61B19/04,A41D19/015 (71)**Name of Applicant :** :12/635300 **1)BHALLA Jagmohan** 

Address of Applicant :2022 Columbia Rd. N.w. #605

Washington DC 20009 Macedonia

(72)Name of Inventor: 1)BHALLA Jagmohan

### (57) Abstract:

A sterile glove includes a hand and finger portion and a cuff having an inside surface and an outside surface. The cuff is adapted to be folded over at a fold when the glove is packaged in a sterile package and the fold forms an opening for inserting a hand into the glove. A stretching mechanism is coupled substantially near or on the fold and is adapted to increase a size of the opening while donning the glove. At least a portion of the stretching mechanism is detachable. The stretching mechanism has an unstretched state and a stretched state and the stretching mechanism is in the unstretched state when the glove is packaged.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CURABLE RESIN COMPOSITION FOR COVERING A FINGERNAIL OR ARTIFICIAL FINGERNAIL

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	1:A61K8/81,A45D31/00,A61K8/86 :2009278268 :08/12/2009 :Japan :PCT/JP2010/071862 :07/12/2010 :WO 2011/071029 :NA :NA	(71)Name of Applicant:  1)THREEBOND CO. LTD.  Address of Applicant: 1456 Hazama cho Hachioji shi Tokyo 1938533 Japan (72)Name of Inventor:  1)KOJIMA Kazuhiro 2)HA Khoi Nguyen 3)ANTHONY Leroy
` /		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided is a curable resin composition for covering a fingernail or artificial fingernail. Above all said resin composition exhibits an excellent appearance after application but is also highly resistant to water and abrasion non odorous non damaging to the fingernail and hypoallergenic. The provided resin composition therefore both is highly safe with respect to the human body and has excellent storage stability. The resin composition contains (A) a water based emulsion of a polymer that contains a functional group that can undergo a polymerization reaction upon irradiation with active energy rays (B) polyethylene glycol and (C) a photo radical polymerization initiator (the molecules of which do not contain nitrogen atoms).

No. of Pages: 45 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A PLANT FOR THE CONTINUOUS MANUFACTURE OF AN EXPANDABLE PLASTIC GRANULATE AS WELL AS METHOD FOR PRODUCING IT

(51) International classification :B29C44/34,B29B9/ (31) Priority Document No :10151999.9 (32) Priority Date :28/01/2010 (33) Name of priority country :EPO

(86) International Application No Filing Date :PCT/EP2011/050274

(87) International Publication No :WO 2011/092054

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

:B29C44/34,B29B9/06 (71)**Name of Applicant :** 

1)SULZER CHEMTECH AG

(21) Application No.5769/DELNP/2012 A

Address of Applicant :Sulzer Allee 48 CH 8404 Winterthur

Switzerland

(72)Name of Inventor:

1)NISING Philip

### (57) Abstract:

The invention relates to a plant (1) for the continuous manufacture of an expandable plastic granulate (G). The plant (1) includes a plastic melt source (2) for providing a plastic melt (F) an impregnating device (3) for providing an impregnated plastic melt (FB) by impregnating the plastic melt (F) with an expanding agent (B) provided by an expanding agent source and a granulator (4 41 42) for producing the granulate (G) from the impregnated plastic melt (FB) with the granulator (4 41 42) with the granulator (4 41 42) being fluidly connected to the impregnating device (3). According to the invention a switching means (5) is provided in such a way that the plastic melt (F) can be fed to the granulator (4 41 42) under bypassing the impregnating device (3). In addition the invention relates to a method for producing a granulate (G) using a plant (1) in accordance with the invention.

No. of Pages: 27 No. of Claims: 15

(19) INDIA

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

(21) Application No.5601/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: BREATHING AIR 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> </ul>	:A62B7/00 :20093496 :09/12/2009 :Norway :PCT/NO2010/000441 :02/12/2010 :WO 2011/071388 :NA :NA	(71)Name of Applicant:  1)E INNOVATION AS  Address of Applicant:Forusbeen 222 N 4313 Sandnes Norway (72)Name of Inventor:  1)JOHANNESSEN ~yvind N\ss
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A breathing air unit (1) comprising an electric motor (2) for driving a compressor (4) wherein compressed air is conducted through a first heat exchanger (10) cooled by cooling air of the compressor (4) and wherein the compressed air is conducted through a second heat exchanger (16) being cooled by cooling air of the motor (2).

No. of Pages: 9 No. of Claims: 3

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: APPARATUS FOR TREATING A STAIN IN CLOTHING

(51) International classification :B65D75/36,C11D17/04,B65D75/58

(31) Priority Document No :2690279 (32) Priority Date :14/01/2010

(33) Name of priority country:Canada

(86) International :PCT/US2011/021082

Application No
Filing Date

113/01/2011

(87) International Publication :WO 2011/088177

No

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

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

(71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72)Name of Inventor: 1)LITTIG Janet Sue

2)LEAHY Morgan Thomas

3)LIU Kuang Kai

#### (57) Abstract:

A package (10) for treating stained fabric. The package comprising a backing layer (20) having a second side (30) and a pouch layer (70) joined thereto to form a pouch (80). A fluid pervious contact substrate (200) is joined to a first side (40) of the backing layer. The pouch contains a stain treatment fluid (300). The package has a first position in which first and second planar regions of the backing layer are substantially in plane with one another. The package has a second position in which first planar region and second planar region are in a substantially angularly facing relationship. In the second position the pouch is in fluid communication with the contact substrate. The stain treatment fluid includes a surfactant.

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

(21) Application No.5603/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD OF PRODUCING A FABRIC SOFTENING 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</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	:C11D3/00,C11D11/00,B01F3/08 :61/294533 :13/01/2010 :U.S.A. :PCT/US2011/020640 :10/01/2011 :WO 2011/087974 :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)COROMINAS Francesc 2)QUAN Ke Ming 3)YANG Yunpeng 4)PEERS Kenny
<u>e</u>	:NA :NA	

# (57) Abstract:

The present invention is to process of making a liquid fabric softening composition using shear turbulence and/or cavitation but which requires lower operating pressures than conventional shear turbulence and/or cavitation processes.

No. of Pages: 29 No. of Claims: 6

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: INTERMEDIATES AND SURFACTANTS USEFUL IN HOUSEHOLD CLEANING AND PERSONAL CARE COMPOSITIONS AND METHODS OF MAKING THE SAME

(51) International classification :A61K8/92,A61Q5/12,C11D1/02 (71)Name of Applicant:

(31) Priority Document No :61/294274 (32) Priority Date :12/01/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/020949

:12/01/2011

Filing Date

(87) International Publication No:WO 2011/088089

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

:NA Filing Date

(62) Divisional to Application

:NA Number :NA

Filing Date

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72)Name of Inventor: 1)FEDERLE Thomas Walter

2)SCHEIBEL Jeffrey John

3)LIU Zaiyou

4)VINSON Phillip Kyle

5)HUTTON Howard David III

6)CARTER John David

7)SAUNDERS Charles Winston

8)XU Jun

9)GREEN Phillip Richard

### (57) Abstract:

Disclosed herein are novel mixtures of scattered branched chain fatty acids and derivatives of scattered branched chain fatty acids of Formula I. Further disclosed are uses of these mixtures in cleaning compositions (e.g. dishcare laundry hard surface cleaners) and/or personal care compositions (e.g. skin cleansers shampoo hair conditioners). Formula I wherein each R independently is H or CH whith the proviso that 1 2 or R is CH; m is 1 or 2; n is 3 4 5 6 7 8 or 9; p is 1 2 3 4 5 6 7 or 8; and Y CH or absent with the proviso that when: (a) Y is CH Z is selected from the group consisting of hydroxyl an alkoxyl a sulfate etc. (b) Y is absent Z is selected from the group consisting of a caroxylic acid a caroxylate etc. In particular the branching group(s) is/are methyl pending from even numbered positions of the hydrocarbon chain. These are produced by culturing cells enginnered to express propionyl CoA carboxylase and/or methyl malonyl CoA mutase.

No. of Pages: 199 No. of Claims: 19

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MICROFLUIDICS SORTER FOR CELL DETECTION AND ISOLATION

(51) International classification	:C12M1/34,C12M3/00	(71)Name of Applicant :
(31) Priority Document No	:61/310387	1)NATIONAL UNIVERSITY OF SINGAPORE
(32) Priority Date	:04/03/2010	Address of Applicant :21 Lower Kent Ridge Road Singapore
(33) Name of priority country	:U.S.A.	119077 Singapore
(86) International Application No	:PCT/US2011/027276	2)MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Filing Date	:04/03/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/109762	1)LIM Chwee Teck
(61) Patent of Addition to Application	:NA	2)HAN Jongyoon
Number	:NA :NA	3)HOU Han Wei
Filing Date	.IVA	4)BHAGAT Ali Asgar
(62) Divisional to Application Number	:NA	5)VAN VLIET Krystyn J.
Filing Date	:NA	6)LEE Wong Cheng

### (57) Abstract:

A method of detecting one or more diseased blood cells in a blood sample includes introducing a blood sample into at least one inlet of a microfluidic device comprising one or more linear channels wherein each channel has a length and a cross section of a height and a width defining an aspect ratio adapted to isolate diseased blood cells along at least one portion of the cross section of the channel based on reduced deformability of diseased blood cells as compared to non diseased blood cells wherein diseased blood cells flow along a first portion of the channel to a first outlet and non diseased blood cells flow along a second portion of the channel to a second outlet. The one or more channels can be adapted to isolate cells along portions of the cross section of the channel based on cell size. In some embodiments the one or more channels can be spiral channels.

No. of Pages: 80 No. of Claims: 40

(21) Application No.5644/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR RADIOLUCENT ANATOMIC POSITIONING

(51) International classification :A61B6/04,A61B19/00,A61G15/00

(31) Priority Document No :12/684934 (32) Priority Date :09/01/2010

(32) Priority Date :09/01/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2010/029005

No :29/03/2010

Filing Date :29/03/2010

(87) International Publication :WO 2011/084167

No (61) Patent of Addition to .NA

Application Number
Filing Date

:NA
:NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant : 1)DESIGN MD LLC

Address of Applicant :712 S. Milwaukee Ave. Libertyville IL

60048 U.S.A.

(72)Name of Inventor: 1)CAMPAGNA Michael

2)CITOW Jonathan S.

### (57) Abstract:

An apparatus and method includes a first anatomic positioner for migrating a first anatomic part. The first anatomic positioner includes a first tapered arm for applying a motive force and a first arch at a distal end of the first tapered arm for contacting the first anatomic part. The first arch includes a varying width and a varying density where the first arch is asymmetrically offset from the first tapered arm such that a longitudinal axis of the first tapered arm extends through a lower portion of the first arch.

No. of Pages: 23 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :25/06/2012

(21) Application No.5645/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DEVICE FOR MEASURING AND SAMPLING LIQUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G01N1/16 :2009/08360 :26/11/2009 :South Africa :PCT/IB2010/055444 :26/11/2010 :WO 2011/064746 :NA	(71)Name of Applicant:  1)KHUZWAYO Simphiwe Lionel Address of Applicant:175 Outeniqua Avenue Pomona 1619 Kempton Park South Africa (72)Name of Inventor: 1)KHUZWAYO Simphiwe Lionel
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention provides a liquid storage installation which includes a tank (70) containing a liquid and a device (10) for measuring and sampling the liquid. The device (10) includes an elongate hollow body (12) having a closed bottom and a plurality of spaced apart sampling ports (20 22 24) at spaced apart positions. The device (10) further includes a sleeve (14) which extends around the sampling port and in which corresponding sampling ports (26 28 30) are provided at spaced apart positions. The body (12) and sleeve (14) are displaceable relative to one another between an open position in which the sampling ports are in register permitting liquid flow between the tank and the interior of the body and a closed position in which the ports are out of register and flow between the tank and the interior of the body (12) is prohibited.

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

(21) Application No.5749/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : EMULSIFICATION OF HYDROCARBON GAS OILS TO INCREASE EFFICACY OF WATER BASED HYDROGEN SULFIDE SCAVENGERS

(51) International classification	:C10G29/24	(71)Name of Applicant:
(31) Priority Document No	:12/646432	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:23/12/2009	Address of Applicant :1 River Road Schenectady NY 12345
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:1	(72)Name of Inventor:
Filing Date	:21/10/2010	1)KARAS Larry John
(87) International Publication No	:WO	2)ANDERSON Craig
(87) International Fublication No	2011/087540	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7.25		

#### (57) Abstract:

A hydrogen sulfide scavenging process for heavy oil that reduces hydrogen sulfide while minimizing corrosion to processing equipment. The method includes the steps of adding an aqueous based scavenger containing one or more aldehydes such as giyoxal Io the heavy oil using a static mixer injection system and creating an aqueous based scavenger/heavy oil emulsion using a high shear/high velocity pump. The aqueous based scavenger may be added in a scavenger addition branch with the emulsion being formed in the addition branch and then returned to the processing equipment.

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

(21) Application No.7530/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention: ELECTRONIC MESSAGE SYSTEMS AND METHODS

(51) International classification	:G06F17/30	(71) Name of Applicant.
` '		(71)Name of Applicant :
(31) Priority Document No	:61/301188	1)ARCODE CORPORATION
(32) Priority Date	:03/02/2010	Address of Applicant :4304 East West Highway Bethesda
(33) Name of priority country	:U.S.A.	Maryland 20814 U.S.A.
(86) International Application No	:PCT/US2011/023542	(72)Name of Inventor:
Filing Date	:03/02/2011	1)BAGGETT David M.
(87) International Publication No	:WO 2011/097340	2)SMITH Simon G.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Methods and systems to process computer readable electronic messages such as electronic mail messages or e mail. Methods and system include auto tagging based on one or more of statistical machine learning based clustering techniques custom parsers and crowd sourced message tagging. Methods and systems further include relevancy determination based on combinations of features user configurable hybrid web browser/e mail client rendering tabbed rendering plug in based local computational features implied social graph based decision making and automatic detection of account settings.

No. of Pages: 43 No. of Claims: 81

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COMPOSITION COMPRISING POLYETHYLENE GLYCOL POLYMER AND AMYLASE

(51) International classification :C11D3/00,C11D17/06,C11D3/22 (71)Name of Applicant :
(31) Priority Document No :10155096.5 (71)Name of Applicant :
(32) Priority Date :01/03/2010 Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A.
(72)Name of Inventor :
(72)Name of Inventor :
(72)Name of Inventor :
(73) Name of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A.
(74) Name of Applicant :
(75) Name of Applicant :
(76) Name of Applicant :
(77) Name of Applicant :
(77) Name of Applicant :
(78) Name of Inventor :
(79) Name of Inventor :
(79) Name of Inventor :
(71) Name of Applicant :
(72) Name of Inventor :
(72) Name of Inventor :
(73) Name of Inventor :
(74) Name of Applicant :
(75) Name of Inventor :
(76) Name of Inventor :
(77) Name of Inventor :
(78) Name of Inventor :
(78) Name of Inventor :
(79) Name of Inve

Filing Date :01/03/2011 2)SOUTER Philip Frank
(87) International Publication 3)LANT Neil Joseph

WO 2011/109354

WO 2011/109354

S)CANT Neil Joseph

4)BROOKER Alan Thomas

5)COMERVILLE DOPERT

:NA

:NA

(57) Abstract:

Filing Date

Number

The present invention relates to a solid particulate laundry detergent composition comprising: (a) polyethylene glycol polymer comprising a polyethylene glycol backbone and polyvinyl acetate side chains wherein the average molecular weight of the polyethylene glycol backbone is in the range of from 4 000 Da to 8 000 Da wherein the molecular weight ratio of the polyethylene glycol backbone to the polyvinyl acetate side chains is in the range of from 1:1.2 to 1:2 and wherein the average number of graft sites per ethylene oxide units is preferably in the range of from 0.2 to 0.4; (b) amylase with greater than 90% identity to the AA560 alpha amylase endogenous to Bacillus sp. DSM 12649 and comprising: (i) mutations at one or more of positions 9 149 182 186 202 257 295 299 323 339 and 345; and (ii) mutations at four or more of positions 118 183 184 195 320 and 458; and (c) laundry detergent ingredients.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SAFETY DRUG DELIVERY CONNECTORS

:A61M39/24,A61M39/26 (71)Name of Applicant : (51) International classification

(31) Priority Document No :12/711641 (32) Priority Date :24/02/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/025858

Filing Date :23/02/2011

(87) International Publication No :WO 2011/106374

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

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

1)BECTON DICKINSON AND COMPANY

Address of Applicant : 1 Becton Drive MC 110 Franklin Lakes

New Jersey 07417 1880 U.S.A.

(72)Name of Inventor: 1)WU Yongxian 2)JIN Yun

3)AON Mitali

4) GARRISON Michael D.

### (57) Abstract:

Drug delivery connectors are provided for permitting and blocking fluid flow between a container and a catheter connector or other drug delivery site. The drug delivery connectors includes a ball valve (100) for forming a releasable seal within the drug delivery connectors. In one or more embodiments the ball valve prevents fluid flow between an open proximal end and an open distal end the drug delivery connector and the ball (190) is movable in a proximal direction to release the releasable seal to permit fluid flow from the open proximal direction to the open distal direction. Methods of delivering medication to a catheter connector that includes an actuator (200) are also provided.

No. of Pages: 60 No. of Claims: 20

(21) Application No.7536/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SAFETY DRUG DELIVERY SYSTEM

:A61M5/165,A61M39/26 (71)Name of Applicant : (51) International classification

(31) Priority Document No :12/711805 (32) Priority Date :24/02/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/025877

Filing Date :23/02/2011 (87) International Publication No :WO 2011/106388

(61) Patent of Addition to Application :NA

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

### 1)BECTON DICKINSON AND COMPANY

Address of Applicant : 1 Becton Drive MC 110 Franklin Lakes New Jersey 07417 1880 U.S.A.

(72)Name of Inventor:

1)WU Yongxian 2)JIN Yun

3)AON Mitali

### (57) Abstract:

Drug delivery systems are provided that include an actuator assembly (200) permanently attached to a filter (300) for connection of a container containing medications such as epidural anesthesia to a delivery site. In one or more embodiments the actuator assembly includes a projection with an opening extending from a distal end of the actuator assembly in a proximal direction and the filter includes an inlet and an outlet in fluid communication with the opening. The filter includes a housing (310) including two plates joined together or a cylindrical body defining a cavity containing filter materials. A conduit may be attached to the outlet of the filter to allow connection of the drug delivery systems described to a delivery site such as a catheter. Methods of administering a medication to a delivery site are also provided.

No. of Pages: 46 No. of Claims: 20

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : INTRAVENOUS FORMULATIONS OF COENZYME Q10 (COQ10) AND METHODS OF USE THEREOF

(51) International classification :A61K9/127,A61K9/107,A61K47/30

(31) Priority Document No :61/313632 (32) Priority Date :12/03/2010 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2011/028042

Application No
Filing Date

FC1/03/2011

(87) International Publication No :WO 2011/112900

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

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

(71)Name of Applicant: 1)BERG PHARMA LLC

Address of Applicant :1845 Elm Hill Pike Nashville

Tennessee 37210 U.S.A. (72)Name of Inventor:
1)NARAIN Niven Rajin
2)MCCOOK John Patrick

## (57) Abstract:

Disclosed herein are formulations suitable for parenteral administration of certain hydrophobic active agents such as Coenzyme Q10. Methods of preparing the same and methods of treatment of oncological disorders using the same are also provided herein. The formulations comprise an aqueous solution; a hydrophobic active agent dispersed to form a colloidal nano dispersion of particles; and at least one of a dispersion stabilizing agent and an opsonization reducer wherein the colloidal nano dispersion of the active agent is dispersed into nano dispersion particles having a mean size of less than 200 nm. Methods of preparing the parenteral formulations comprise dispersing the hydrophobic active agent by high pressure homogenization by (1) adding hydrophobic active agent to a 65°C bath of water and mixing to form a hydrophobic active agent/water mixture; (2) adding a dispersion stabilizing agent to the hydrophobic active agent/water mixture and mix at 65°C to form a hydrophobic active agent/water/stabilizer/reducer mixture; (4) pre heating a Microfluidizer to 65°C; and (5) processing by mixing the hydrophobic active agent/water/stabilizer/reducer mixture in the Microfluidizer at 65°C such that a hydrophobic active agent colloidal nano dispersion having a mean particle size less than 200 nm is formed. Provided herein are also methods of treating oncological disorders by administering formulations described herein to a subject such that treatment or prevention of the oncological disorder occurs.

No. of Pages: 126 No. of Claims: 78

(21) Application No.7539/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ACIDIFIED PROTEINACEOUS BEVERAGES 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</li> </ul>	:61/311202 :05/03/2010 :U.S.A. :PCT/US2011/027435 :07/03/2011 :WO 2011/109826 :NA	(71)Name of Applicant:  1)MARS INCORPORATED  Address of Applicant:6885 Elm Street McLean VA 22101 3883 U.S.A. (72)Name of Inventor:  1)VEGA Cesar  2)LLOYD Carol
(61) Patent of Addition to Application Number		2)EBOTB Carol
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Proteinaceous beverages and compositions comprising a cocoa extract which comprises cocoa polyphenols an edible acid and a stabilizer and processes for formulating said beverages and compositions shelf stable proteinaceous beverages and compositions that do not require refrigeration and/or beverages and compositions wherein the cocoa polyphenols have an extended shelf life.

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

(21) Application No.5691/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: PROSTHESIS

(51) International classification: A61F2/34, A61L27/18, A61L27/56 (71) Name of Applicant:

:03/02/2011

(31) Priority Document No :1001830.7 (32) Priority Date :04/02/2010

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

(86) International Application :PCT/GB2011/050188

No Filing Date

(87) International Publication :WO 2011/095813

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

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

1)FINSBURY (DEVELOPMENT) LIMITED

Address of Applicant: 13 Mole Business Park Randalls Road

Leatherhead Surrey KT22 7BA U.K.

(72)Name of Inventor:

1)TAYLOR Andrew Clive

### (57) Abstract:

A system and method for use in iontophoretic anesthesia of a tympanic membrane are disclosed. The system gener- ally includes an earplug and an electrode device. The earplug includes at least one sealing member for sealing the earplug in an ear canal. The sealing member includes microholes which vent fluid above a certain pressure threshold. A headset may connect the Q earplug to a second earplug. The method involves using the system on a human or animal subject.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND ARRANGEMENT FOR CONTROLLING UPLINK TRANSMIT POWER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W52/30 :PCT/SE2010/050321 :24/03/2010 :PCT :PCT/SE2010/050321 :24/03/2010 :WO 2011/119079 :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)FODOR Gabor 2)BOGDAN Timus 3)KAZMI Muhammad
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### (57) Abstract:

The present invention relates to methods and arrangements for controlling uplink transmit power to be used by the UE. The UE comprises multiple radio interfaces wherein at least one of the multiple interfaces is a cellular radio interface. The UE stores information comprising a total transmit power budget set aside for use over the multiple radio interfaces of the UE and receives transmit power control commands from a network node on the cellular radio interface indicating whether the UE should increase or decrease or maintain the uplink transmit power on the cellular radio interface. Transmit power levels to be used for uplink transmissions over the multiple radio interfaces based on the received transmit power control commands are calculated wherein the said total transmit power budget for the multiple radio interfaces is taken into account.

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

(21) Application No.7546/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DRIVE MOTOR FOR AN ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H02K1/28 :2010047791 :04/03/2010 :Japan :PCT/JP2011/054588 :01/03/2011	(71)Name of Applicant: 1)NTN CORPORATION Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku Osaka shi Osaka 5500003 Japan (72)Name of Inventor: 1)OZAKI Takayoshi
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2011/108522 :NA :NA	2)MAKINO Yusuke 3)OKADA Koichi
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The disclosed drive motor for an electric vehicle makes it possible without increasing the diameter of a rotor in the motor to stop the rotor from rotating with respect to a rotation output shaft. The disclosed drive motor is an IPM motor with a rotor (25) that comprises: a rotor core (29) with an inner surface that has a circular cross section and fits around a rotation output shaft (24); and permanent magnets (30) disposed inside the rotor core (29). At angular positions near parts of permanent magnets (30) that are tilted towards the outer edge of the rotor core (29) the inner surface of the rotor core (29) and the outer surface of the rotation output shaft (24) are provided with non circular sections (29a and 24a) with non circular cross sections that constitute rotation stopping means (31) that stop the rotor (25) from rotating with respect to the rotation output shaft (24).

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

(21) Application No.7547/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DRIVE MOTOR FOR ELECTRIC VEHICLE

(51) International classification :H02K1/18,H02K1/20,H02K7/116 (71)Name of Applicant : (31) Priority Document No :2010047792 1)NTN CORPORATION (32) Priority Date Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku :04/03/2010 (33) Name of priority country :Japan Osaka shi Osaka 5500003 Japan (72)Name of Inventor: (86) International Application :PCT/JP2011/054601 1)OZAKI Takavoshi No :01/03/2011 Filing Date 2)MAKINO Yusuke (87) International Publication 3)OKADA Koichi :WO 2011/108529 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The disclosed drive motor for an electric vehicle makes it possible without an increased outside diameter to prevent a motor stator from becoming misaligned due to vibration and thus to prevent the motor from losing efficiency due to misalignment. The stator (23) of the disclosed motor comprises: a magnet (27) that has an outer surface with a circular cross section and an inner surface from which a plurality of teeth (27a) protrude; and coils (28) wound around the teeth (27a). Notches (27b) are provided on the outer surface of the magnet (27) each notch being at the same angular position as a tooth (27a). The inner surface of a motor housing (22) that holds the stator (23) is provided with interlock sections (22a) at angular positions corresponding to the notches (27b) that engage with the notches (27b). These notches (27b) and interlock sections (22a) constitute means (31) that stop the stator (23) from rotating.

No. of Pages: 27 No. of Claims: 7

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ELECTRIC HEATING DEVICE AND CORRESPONDING ASSEMBLY METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:F24H3/04 :0906302 :23/12/2009 :France :PCT/EP2010/070454 :22/12/2010 :WO 2011/076824 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES THERMIQUES  Address of Applicant: 8 rue Louis Lormand BP 513 La  Verri re F 78321 Le Mesnil Saint Denis France (72)Name of Inventor:  1)DE SOUZA Stphane 2)LEGROS Philippe
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to an electric heating device for reheating an air stream flowing through same said heating device comprising: a pre determined number of electric heating modules (23) through which the air stream to be reheated flows and which have first electric terminals (45) to be electrically powered and a control box (47) for controlling said heating modules (23) comprising second electric terminals (51) connected to the first terminals (45) and designed in such a way as to be connected to a power supply source for electrically powering said first terminals (45). According to the invention the control box (47) also comprises means (53) for positioning said heating modules (23) in relation to said box (47) in order to define a suitable operating position before connecting said first (45) and second (51) terminals during the assembly of said heating device. The invention also relates to a method for assembling such a device.

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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : ELECTRIC CIRCUIT BOARD CONNECTOR AND CORRESPONDING ELECTRIC CIRCUIT BOARD AND ELECTRIC HEATING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H01R12/72 :09/06304 :23/12/2009 :France :PCT/EP2010/070437 :21/12/2010 :WO 2011/076816 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES THERMIQUES  Address of Applicant: 8 rue Louis Lormand BP 513 La  Verri re F 78321 Le Mesnil Saint Denis France (72)Name of Inventor:  1)TELLIER Laurent 2)PUZENAT Bertrand 3)DE SOUZA Stphane
Number		3)DE SOUZA Stphane
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electrical connector for electric circuit board (1) said connector including: a socket (13) that is made of an electrically insulating material and intended to be mounted into an opening (9) corresponding to said board (1) while projecting relative to a front surface of said board (1); and at least one electrical connection pin (15). According to the invention said at least one electrical connection pin (15) has a substantially U shaped general form with a first side arm (15a) leading into the socket (13) and a second side arm (15c) for connection via configured reflow in order to pass when mounted through said board (1) so as to lead onto the front surface of said board (1). The invention is characterized in that said material of the socket (13) is a plastic material that is configured so as to resist reflow temperatures. The invention also relates to an electric circuit board having one such connector and to an electric heating device comprising one such board.

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

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

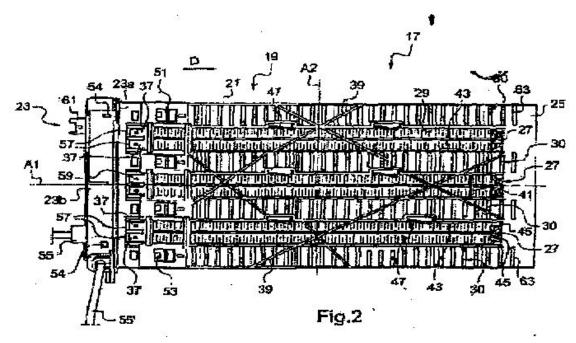
(43) Publication Date: 07/03/2014

## (54) Title of the invention: ELECTRIC HEATING DEVICE AND CORRESPONDING HEATING APPLIANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/12/2010 :WO 2011/076834 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES THERMIQUES Address of Applicant: 8 rue Louis Lormand BP 513 La Verri re F 78321 Le Mesnil Saint Denis France (72)Name of Inventor: 1)DE SOUZA Stphane 2)LEGROS Philippe
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electric heating device for reheating an air flow comprising an essentially paralleliped frame (21) with an air inflow surface and an opposing air outflow surface the frame (21) receiving a pre determined number of electric heating modules (27) in associated housings (29) of the frame (21) for the passage of the air flow to be heated. According to the invention the air inflow surface (A) and the air outflow surface (B) of the frame (21) have a plurality of structural reinforcing ribs (39) for guiding said heating modules (27) into the associated housings (29) of the frame (21) said ribs (39) being oriented in an oblique direction in relation to the direction of insertion (D) of said heating modules (27) in the housings (29). The invention also relates to a heating and/or air conditioning appliance for a motor vehicle comprising such a heating device.



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

(21) Application No.7554/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD OF PREPARING AND UTILIZING A CATALYST SYSTEM FOR OXIDATION PROCESS ON A GASEOUS HYDROCARBON SYSTEM

(31) Priority Document No :61/305166
(32) Priority Date :17/02/2010
(33) Name of priority country :U.S.A.

No :PCT/US2011/025311

Filing Date :17/02/2011

(87) International Publication :WO 2011/103338

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

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

Filing Date

(51) International classification: B01J8/00,C01B31/18,C01B31/20 (71) Name of Applicant:

1)U.S. DEPARTMENT OF ENERGY

Address of Applicant :3610 Collins Ferry Road Morgantown

WV 26507 0880 U.S.A.

(72)Name of Inventor: 1)BERRY David A.

2)SHEKHAWAT Dushyant

3)SMITH Mark 4)HAYNES Daniel

### (57) Abstract:

The disclosure relates to a method of utilizing a catalyst system for an oxidation process on a gaseous hydrocarbon stream with a mitigation of carbon accumulation. The system is comprised of a catalytically active phase deposited onto an oxygen conducting phase with or without supplemental support. The catalytically active phase has a specified crystal structure where at least one catalytically active metal is a cation within the crystal structure and coordinated with oxygen atoms within the crystal structure. The catalyst system employs an optimum coverage ratio for a given set of oxidation conditions based on a specified hydrocarbon conversion and a carbon deposition limit. Specific embodiments of the catalyst system are disclosed.

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

(22) Date of filing of Application :15/06/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: APPARATUS FOR CUTTING REINFORCED HOSE WITH REDUCED INTERIOR HOSE CONTAMINATION

(51) International :B26D1/14,B26D1/15,B26D1/24,B26D1/06

classification

(19) INDIA

(31) Priority :61/290,406 Document No

(32) Priority Date :28/12/2009 (33) Name of priority

country

(86) International

:PCT/US2010/061117 Application No :17/12/2010

:U.S.A.

Filing Date

(87) International

:WO 2011/090637 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)CATERPILLAR INC.

(21) Application No.5331/DELNP/2012 A

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

(72)Name of Inventor:

1)SERRURIER Douglas

### (57) Abstract:

A device for cutting reinforced hose to length with limited contamination gaining access to the interior of the hose is disclosed. The device may employ a first rotating blade to circumferentially cut through an outer cover of the hose without penetrating through an interior liner of the hose. The outer cover may be composed of an elastomeric cover reinforced with metallic strands. By preventing the first blade from penetrating the interior liner the contamination from the kerf created by the blade is not able to access the interior of the hose. After the first blade performs its partial cut around the outer circumference of the hose the hose may be cleaned and a second blade may be used to cut through the interior liner. The second blade results in very little contamination and thus a cut length of hydraulic hose is created with greatly reduced levels of contamination within the hose without needing a post cutting cleaning operation.

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

(19) INDIA

(22) Date of filing of Application :19/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: TELEMETRY DEVICE WITH SOFTWARE USER INPUT FEATURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61F5/00 :12/685,004 :11/01/2010 :U.S.A. :PCT/US2011/020471 :07/01/2011 :WO 2011/085169 :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC. Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor: 1)WOODRUFF Scott A. 2)MARCOTTE Amy L.
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.5440/DELNP/2012 A

### (57) Abstract:

An implantable restriction device is configured to provide a restriction in a patient. A pressure sensor implanted in the patient is configured to sense pressure associated with the restriction device. A remote input device is configured to wirelessly receive pressure measurements from the pressure sensor and transmit the pressure measurements to a display device. The display device is configured to plot the pressure measurements as a function of time. The remote input device also includes buttons that may be used to annotate the pressure measurements such as to indicate physical events associated with the patient (e.g. coughing sneezing etc.). The display device is also configured to display the annotations on or near the plot of pressure measurements. A viewer may thus take the annotations into account when evaluating the pressure measurements such as by ignoring pressure measurements associated with certain types of annotations.

No. of Pages: 50 No. of Claims: 20

(21) Application No.5568/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: CARRIER COMPOSITION

(51) International

:A61P35/00,A61K31/355,A61P9/00

classification

(31) Priority Document No :61/289507

(32) Priority Date

:23/12/2009 (33) Name of priority country: U.S.A.

(86) International Application :PCT/AU2010/001719

No

:22/12/2010

Filing Date

(87) International Publication :WO 2011/075775

:NA

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

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

Number Filing Date (71)Name of Applicant:

1)PHOSPHAGENICS LIMITED

Address of Applicant: 11 Duerdin Street Clayton VIC 3168

Australia

(72)Name of Inventor:

1)GAVIN Paul David

2)EL TAMIMY Mahmoud

3)COTTRELL Jeremy James

4)GAETANO Giacinto

5)KENNEDY Nicholas John

## (57) Abstract:

A carrier composition of the present invention comprises a phosphate compound of an electron transfer agent and a relatively high concentration of a polar protic solvent. A biologically active compound may be formulated with a carrier composition of the present invention to provide a formulation.

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

(21) Application No.5569/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TRAY DRYER

(51) International classification	:F26B11/18,F26B25/18,F26B9/10	(71)Name of Applicant:
(31) Priority Document No	:61/281841	1)NIEMANN Arne W.
(32) Priority Date	:23/11/2009	Address of Applicant :224 Tuscan Ridge Trail Inman SC
(33) Name of priority country	:U.S.A.	29349 U.S.A.
(86) International Application No Filing Date	:PCT/US2010/003018 :22/11/2010	2)STUEBLE Helmut T. 3)SANDMEYER Christopher A. (72)Name of Inventor:
(87) International Publication No	:WO 2011/062638	1)NIEMANN Arne W. 2)STUEBLE Helmut T.
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	3)SANDMEYER Christopher A.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A tray dryer is provided that has tray stack with trays that rotate about an axis. A material leveler is stationary with respect to the rotating trays and has a leveling surface that engages the product. The material leveler has a plurality of prongs that engage the product and that in combination with the leveling surface form a series of rows in the product on the upper surface of one of the trays. The material leveler does not function to hold the product for transfer to a subsequent tray of the tray stack.

No. of Pages: 42 No. of Claims: 18

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR PRODUCING HYDROELECTRIC POWER

:F03B13/00,F03B17/06 | (71)Name of Applicant: (51) International classification (31) Priority Document No 1)MIRONOV Dmitri Victorovich :2010105597 (32) Priority Date Address of Applicant :ul. 50 let Oktiabria 3/1 88 Tyumen :16/02/2010 (33) Name of priority country :Russia 625006 Russia (86) International Application No :PCT/RU2010/000218 2)MIRONOV Victor Vladimirovich Filing Date :01/06/2010 (72)Name of Inventor: (87) International Publication No :WO 2011/102750 1)MIRONOV Dmitri Victorovich 2)MIRONOV Victor Vladimirovich (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.7562/DELNP/2012 A

## (57) Abstract:

(19) INDIA

The invention relates to hydropower specifically to methods for using the water resources of lowland rivers for generating electrical energy. The method for producing hydroelectric power comprises setting coils of an insulated current conducting conductor in motion relative to magnets under the action of the energy from a flow of water in a water conduit and tapping off the voltage from the coils. The pressure of the water in the water conduit is changed in a pulsed mode with the aid of a periodically initiated hydraulic impact. Radial pulsation of part of the walls of the water conduit is induced. The coils of insulated conductor which are mounted on the pulsating parts of the walls of the water conduit and the magnets mounted on the motionless parts of the walls of the water conduit are set in reciprocal radial motion with respect to one another. Electrical energy is generated in the coils of the insulated current conducting conductor.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : FEEDFORWARD DIGITAL CONTROL UNIT FOR SWITCHED MODE POWER SUPPLY AND METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H02M3/157 :NA :NA :NA :PCT/EP2010/052468 :26/02/2010 :WO 2011/103928 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)KARLSSON Magnus 2)WAHLEDOW Fredrik
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

To calculate a digital control signal for controlling the duty cycle of a switched mode power supply a voltage feed forward compensator is integrated into a feedback unit. In particular a control unit has an adder with at least a first input arranged to receive a signal dependent upon an output voltage. A second input arranged to receive a signal from a feedback circuit and an output arranged to output an output signal comprising the sum of the signals applied to the inputs; an output arranged to output a digital control signal for controlling the duty cycle wherein the digital control signal is dependent upon the output signal from the adder; a voltage feed forward compensation signal generator arranged to calculate a compensation signal operable to adjust the digital control signal in dependence upon an input voltage; and a feedback circuit arranged between the output of the adder; and the second input of the adder and arranged to calculate a compensated feedback signal by combining the compensation signal with a signal dependent upon the output of the adder.

No. of Pages: 70 No. of Claims: 40

(21) Application No.5607/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DYNAMIC THRUST BALANCING FOR CENTRIFUGAL COMPRESSORS

(51) International classification :F04D29/051,F04D27/00 (71)Name of Applicant : (31) Priority Document No 1)NUOVO PIGNONE S.P.A. :CO2009A000072 (32) Priority Date :22/12/2009 Address of Applicant: Via Felice Matteucci 2 I 50127 (33) Name of priority country :Italy Florence Italy (86) International Application No (72)Name of Inventor: :PCT/EP2010/070001 Filing Date :16/12/2010 1)MARIOTTI Gabriele (87) International Publication No :WO 2011/076668 2) CAGNARINI Claudia (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Systems and methods for dynamically balancing axial loads in centrifugal compressors (10) to reduce residual axial loads on the bearings (20) used therein are described. A sensor or probe (42) detects a parameter associated with the axial load acting on the bearing (20). Based on the detected parameter the pressure in a balance chamber (34) is controlled to adjust the compensating axial force generated by a balance drum (28).

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PHOSPHINYL AMIDINE COMPOUNDS METAL COMPLEXES CATALYST SYSTEMS AND THEIR USE TO OLIGOMERIZE OR POLYMERIZE OLEFINS

(31) Priority Document No (32) Priority Date	:C07F9/46,C07F11/00,C08G61/04 :61/291459 :31/12/2009	1)CHEVRON PHILLIPS CHEMICAL COMPANY LP Address of Applicant: 10001 Six Pines Drive The Woodlands
<ul><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:U.S.A. :PCT/US2010/062281	Texas 77380 U.S.A. (72)Name of Inventor:
No Filing Date	:29/12/2010	1)SYDORA Orson L 2)CARNEY Michael
(87) International Publication No	:WO 2011/082192	3)SMALL Brooke L 4)HUTCHISON Steven
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)GEE Jeffery C
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

N2-phosphinyl amidine compounds, N2-phosphinyl amidinates, N2-phosphinyl amidine metal salt complexes, N2-phosphinyl amidinate metal salt complexes are described. Methods for making N2-phosphinyl amidine compounds, N2-phosphinyl amidinates, N2-phosphinyl amidine metal salt complexes, and N2-phosphinyl amidinate metal salt complexes are also disclosed. Catalyst systems utilizing the N2-phosphinyl amidine metal salt complexes and N2-phosphinyl amidinate metal salt complexes are also disclosed along with the use of the N2-phosphinyl amidine compounds, N2-phosphinyl amidinates, N2-phosphinyl amidine metal salt complexes, and N2-phosphinyl amidinate metal salt complexes for the oligomerization and/or polymerization of olefins.

No. of Pages: 397 No. of Claims: 58

(21) Application No.5713/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention: THE PREPARATION OF CAPROLACTAM FROM 6 AMINO CAPROIC ACID OBTAINED IN A FERMENTATION PROCESS

(51) International classification :C07D201/08,C07D223/10 (71)Name of Applicant : (31) Priority Document No :09180383.3 (32) Priority Date :22/12/2009 (33) Name of priority country :EPO

(86) International Application No :PCT/NL2010/050878

Filing Date :22/12/2010 (87) International Publication No :WO 2011/078668

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA 1)DSM IP ASSETS B.V.

Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen

Netherlands

(72)Name of Inventor:

1)GUIT Rudolf Philippus Maria 2)VAN DER DOES Thomas

3)RAAMSDONK Lourina Madeleine

# (57) Abstract:

Filing Date

The invention relates to a method for preparing caprolactam comprising recovering a mixture containing 6 aminocaproic acid from a culture medium comprising biomass and thereafter cyclising the 6 aminocaproic acid in the presence of superheated steam thereby forming caprolactam wherein the weight to weight ratio carbohydrate to 6 aminocaproic acid in said mixture is 0.03 or less.

No. of Pages: 12 No. of Claims: 15

(21) Application No.7574/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SOLID PHARMACEUTICAL FORMULATIONS OF RAMIPRIL AND AMLODIPINE BESYLATE AND THEIR PREPARATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:A61K9/20,A61K45/06,A61P9/12 :417/DEL/2010 :24/02/2010 :India :PCT/IB2010/051616 :14/04/2010	(71)Name of Applicant:  1)SANOFI AVENTIS DEUTSCHLAND GMBH Address of Applicant: Br <sup>1</sup> /4ningstrasse 50 65929 Frankfurt Am Main Germany (72)Name of Inventor:  1)JAISWAL Nilesh 2)KHULLAR Praveen 3)KULKARNI Amol
No (61) Patent of Addition to	:WO 2011/104588 :NA	4)PRAJAPATI Dilip
Application Number Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

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

The present invention is directed to solid stable pharmaceutical fixed dose compositions comprising ramipril amlodipine besilate and pharmaceutically acceptable excipients and to their preparation.

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

(19) INDIA

(21) Application No.5676/DELNP/2012 A

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : MAINTAINING PARALLEL REGISTRATIONS IN 2G/3G NETWORKS AND LTE FOR IMPROVING SET UP TIME OF CIRCUIT SWITCHED FALLBACK

:NA

:NA

(51) International classification	:H04W48/20	(71)Name of Applicant :
(31) Priority Document No	:61/287623	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:17/12/2009	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IB2010/055778	1)OLSSON Magnus
Filing Date	:13/12/2010	2)RUNE Gran
(87) International Publication No	:WO 2011/073884	3)SYNNERGREN Per
(61) Patent of Addition to Application	:NA	4)WESTERBERG Erik
Number		
Filing Date	:NA	
$\boldsymbol{\varepsilon}$		1

#### (57) Abstract:

Filing Date

A wireless terminal (30) is capable of communicating with a first network (22 1) and a second network (22 1 22 3) the first network (22 1) being an LTE network. A wireless terminal method comprises (prior to making a request to participate in a circuit switched call with the second network) the wireless terminal (30) camping on a respective selected cell (of each of the first network and the second network and thereby having tuned to both the selected cell for the first network and the selected cell for the second network. In view of already camping on the selected cell of the second network the wireless terminal (30) does not make a measurement with respect to a cell of the second network in a time period between the making of the request to participate in the circuit switch call and actual establishment of the circuit switched call with the second network.

No. of Pages: 55 No. of Claims: 24

(62) Divisional to Application Number

(21) Application No.5677/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: WASTE HEAT DRIVEN DESALINATION PROCESS

(51) International classification :C02F1/16,C02F1/04,C02F1/06 (71)Name of Applicant :

(31) Priority Document No :12/646481 (32) Priority Date :23/12/2009

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

(86) International Application No: PCT/US2010/053647

Filing Date :22/10/2010 (87) International Publication No: WO 2011/078907

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

1)GENERAL ELECTRIC COMPANY

Address of Applicant: 1 River Road Schenectady NY 12345

U.S.A.

(72)Name of Inventor:

1)SHAPIRO Andrew Philip

2)VORA Nishith 3)TANG Ching Jen

4)HARDY Alicia Jillian Jackson 5)WESTERKAMP Douglas

### (57) Abstract:

Disclosed is a process for improving the efficiency of a combined cycle power generation plant and desalination unit. The process includes supplying exhaust gases from a gas turbine set used to generate electrical power to a heat recovery steam generator (HRSG) and then directing the steam from the HRSG to a steam turbine set. Salinous water is supplied into an effect of the desalination unit. Steam exhausted from the steam turbine set is utilized in the effect of the desalination unit to produce a distillate vapor and brine from the effect by heat exchange. Additionally steam is introduced steam from at least one additional heat source from the combined cycle power generation plant to the effect to increase the mass flow rate of steam into the effect. In one embodiment the additional heat source is an intercooler heat exchanger. Heated water from the intercooler heat exchanger is provided to a reduced atmosphere flash tank and the steam flashed in the flash tank is provided to the effect.

No. of Pages: 16 No. of Claims: 15

(21) Application No.7570/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COFFEE EXTRACT COMPRISING A MULTIVALENT ION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:14/04/2011 :WO 2011/131561 :NA :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)SHER Alexander A.  2)SAHAI Deepak 3)LIEDTKE Paul
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a coffee extract with improved foaming properties which comprises a multivalent ion ant to methods of producing a coffee extract of the invention and uses thereof.

No. of Pages: 12 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: REDUCTION OF PUMP NUISANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:04/03/2011 :WO 2011/107574 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)MAISCH Rainer 2)GAVILLET Gilles
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.7571/DELNP/2012 A

### (57) Abstract:

A pump (800) for a beverage preparation machine (1) has: a pump inlet (810); a pump outlet (820); a liquid driver (815 816) for pressurising and circulating a liquid from the pump inlet to the pump outlet; and a downstream pump conduit (870 871 872) connecting in fluid communication the liquid driver to the pump outlet. The downstream pump conduit comprises a liquid dampener (860) for dampening upstream the pump outlet vibrations in such liquid which are generated by the liquid driver so as to circulate via the pump outlet dampened pressurised liquid from the liquid driver.

No. of Pages: 27 No. of Claims: 15

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

(21) Application No.7572/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: HETEROCHAIN ALIPHATIC POLY N OXIDE COPOLYMERS AND VACCINATING AGENTS AND DRUGS BASED THEREON

(51) International :A61K31/787,C08G73/02,C08F8/06

classification (31) Priority Document No :2010125861 (32) Priority Date :24/06/2010

(33) Name of priority country: Russia

(86) International Application :PCT/RU2011/000429

No :20/06/2011 Filing Date

(87) International Publication: WO 2011/162639

(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)OBCHTCHESTVO S OGRANITCHENNOI OTVETSTVENNOSTYOU NPO Petrovaks Farm

Address of Applicant :ul. Sosnovaya1 Pokrov village Podolsky raion Moskovskaya obl. 142143 Russia

(72)Name of Inventor:

1)NEKRASOV Arkady Vasilievich 2) PUCHKOVA Natalya Grigoryevna

### (57) Abstract:

(19) INDIA

The invention relates to the field of synthesizing high molecular weight chemical compounds that exhibit biological activity for the production of highly effective pharmacological preparations and vaccines and more specifically to heterochain aliphatic poly N oxide copolymers of general formula (1) where R = N CH; x = 2 or 4; y = 0 or 2; n = 10 1000; q = (0.1 0.9)n; z = (0.1 0.9)n which exhibit pharmacological activity including an antioxidant effect and a therapeutic effect as a detoxicant and immunomodulating agent. Also claimed are: a vaccinating agent comprising an antigen and a formula (1) copolymer as an immunomodulating agent; and a vaccine against hepatitis A and hepatitis B which contains a vaccine preparation comprising HVA Ag and HBsAg simultaneously or vaccine preparations against hepatitis A and against hepatitis B and a formula (1) heterochain aliphatic poly N oxide copolymer. A drug is described which comprises a medicinal substance and a formula (1) copolymer as a carrier. The invention represents a new class of compounds that exhibit a wide range of pharmacological activity and a vaccination effect as well as increased safety in use and is directed towards increasing manufacturability cost efficiency and environmental safety in the production of drugs.

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

(21) Application No.7563/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: MULTIPLE USAGE OF AC FOR BED AND OTHER CONFINED AREAS IN ADDITION TO ITS CONVENTIONAL USAGE THROUGH MOVING MECHANISM AND BY CREATING THE BED ENCLOSURE AND OTHER AREAS AS REQUIRED

(51) International classification: F24F1/02, A47C21/04, F16M11/04 (71) Name of Applicant: (31) Priority Document No :63/2010 1)MUSTAFA Afzaal (32) Priority Date :01/02/2010 Address of Applicant :House #2 St #39 F 8/1 Islamabad (33) Name of priority country :PAKISTAN **PAKISTAN** (86) International Application 2)AFZAAL Hamza :PCT/CA2011/000123 No (72)Name of Inventor: :27/01/2011 Filing Date 1)MUSTAFA Afzaal (87) International Publication 2)AFZAAL Hamza :WO 2011/091526 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A mechanism comprising of mobility of the inner unit of split type air conditioner here in referred as AC multipurpose enclosure for the bed and other areas to be confined for the multiple usage of the split type AC is disclosed where a split type AC if desired can be used for the partial confined area of the room or for other room(s) or their confined areas or the same AC can be used when desired only for the bed having an enclosure in addition to its conventional use in a typical room in order to save capital and electricity/energy costs.

No. of Pages: 46 No. of Claims: 102

(21) Application No.7564/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

### (54) Title of the invention: TRANSPORT SYSTEM

(51) International classification	:B61F7/00,B61C11/00	(71)Name of Applicant:
(31) Priority Document No	:se10001568	1)HOEGLUND Lennart
(32) Priority Date	:18/02/2010	Address of Applicant :Blstadsgatan 126 S 589 23 Linkping
(33) Name of priority country	:Sweden	Sweden
(86) International Application No	:PCT/SE2011/000029	(72)Name of Inventor:
Filing Date	:17/02/2011	1)HOEGLUND Lennart
(87) International Publication No	:WO 2011/112134	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The advantage of the railway is that it can have trains for generally high speed if the curves have very large radius. For this to be generally possible the trains must be able to run in steep slopes. When driving wheels are pressed against the rail head sides a double drive force from friction is achieved and controlled by separate force independent of the weight of the train. The carrying wheels are made free from lateral forces by suspended them in cardan rings and call cardules. The driving wheels running on the rail head sides are also only steering if no force is applied. The switches can be free from movable parts. Wheels against flank rails parallel to the outermost rails keeps the train left in the switches. Double rotor motors give the driving. They can be attached to the wheels on the rail head side but also to the carrying cardules. Such motors can also be placed within the carrying wheels in cardules and in the driving wheels on the sides. The rails can get trapeze form. With tube formed rails they can be filled with cables and sand for isolation from noise.

No. of Pages: 37 No. of Claims: 26

(21) Application No.7565/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: COMPOSITION COMPRISING SUBSTITUTED CELLULOSIC POLYMER AND AMYLASE

(51) International classification :C11D3/00,C11D7/06,C11D3/22 (71)Name of Applicant :

(31) Priority Document No :10155094.5 (32) Priority Date :01/03/2010

(33) Name of priority country :EPO

(86) International Application No:PCT/US2011/026649

Filing Date :01/03/2011

(87) International Publication No: WO 2011/109366

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72)Name of Inventor:

1)MEEK Michelle 2)SOUTER Philip Frank

3)LANT Neil Joseph 4)BROOKER Alan Thomas

5) SOMERVILLE ROBERTS Nigel Patrick

#### (57) Abstract:

The present invention relates to a solid particulate laundry detergent composition comprising: (a) substituted cellulosic polymer comprising carboxymethyl substituent groups and having a degree of substitution (DS) of at least 0.55 and having a degree of blockiness (DB) of at least 0.35 and having a DS+DB is in the range of from 1.05 to 2.00; (b) amylase with greater than 90% identity to the AA560 alpha amylase endogenous to Bacillus sp. DSM 12649 and comprising: (i) mutations at one or more of positions 9 149 182 186 202 257 295 299 323 339 and 345; and (ii) mutations at four or more of positions 118 183 184 195 320 and 458; and (c) laundry detergent ingredients.

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

(21) Application No.7566/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SOLID LAUNDRY DETERGENT COMPOSITION COMPRISING C.I. FLUORESCENT BRIGHTENER 260 IN ALPHA CRYSTALLINE FORM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:10155098.6 :01/03/2010 :EPO	(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)LANT Neil Joseph 2)PATTERSON Steven George
· · · · · · · · · · · · · · · · · · ·		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a solid laundry detergent composition comprising: (a) detersive surfactant; (b) C.I. fluorescent brightener 260 in alpha crystalline form having the formula (c) from 0wt% to 10wt% zeolite builder; (d) from 0wt% to 10wt% phosphate builder; (e) optionally from 0wt% to 10wt% silicate salt; (f) optionally from 0wt% to 10wt% layered silicate; and (g) other detergent ingredients.

No. of Pages: 27 No. of Claims: 16

(21) Application No.7567/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD OF ACCESSING DIGITAL MEDIA CONTENT

(51) International classification	:G06F21/00,G06Q30/00	(71)Name of Applicant :
(31) Priority Document No	:1003296.9	1)OMNIFONE LTD
(32) Priority Date	:26/02/2010	Address of Applicant :Island Studios 47 British Grove London
(33) Name of priority country	:U.K.	Greater London W4 2NL U.K.
(86) International Application No	:PCT/GB2011/050391	(72)Name of Inventor:
Filing Date	:28/02/2011	1)KNIGHT Mark Stephen
(87) International Publication No	:WO 2011/104571	2)SANT Philip Anthony
(61) Patent of Addition to Application	:NA	3)RICHARDS John
Number	:NA	4)LEWIS Robert John
Filing Date	IVA	5)POCOCK Stephen William
(62) Divisional to Application Number	:NA	6)EVANS Christopher John
Filing Date	:NA	

### (57) Abstract:

The invention permits a user to be given access to digital media content on one set of conditions for a limited time period made known to the consumer but then automatically forces migration to a different set of conditions to retain access to digital media content already listened to and to gain access to new digital media content without the consumer having to manually download or install new software or in some other manner interact in a manner that will lessen the chance of the consumer embracing or accepting the migration.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NUTRITIONAL POWDERS COMPRISING SPRAY DRIED HMB

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A23L 1/29 :61/299,632 :29/01/2010 :U.S.A. :PCT/US2011/022935 :28/01/2011 : NA :NA :NA	(71)Name of Applicant:  1)ABBOTT LABORATORIES  Address of Applicant: Dept. 377/AP6P-1 100 Abbott Park Road Abbott Park Illinois 60064 U.S.A. (72)Name of Inventor:  1)HELMKE Charles R
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed are nutritional powders comprising HMB and at least one of fat carbohydrate protein wherein the HMB is spray dried with at least a portion of at least one of the fat protein and carbohydrate in the composition. Also disclosed is a method for making such powders comprising 1) preparing a liquid slurry comprising HMB and at least one of protein carbohydrate and fat and 2) spray drying the slurry to produce a spray dried nutritional powder comprising spray dried HMB. The nutritional powders exhibit minimal or no off odors.

No. of Pages: 18 No. of Claims: 15

(21) Application No.7580/DELNP/2012 A

2351 Wiener Neudorf Austria

(72)Name of Inventor:

1)H-FLER Johannes

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: FLOATING PLATFORM

(51) International classification :B63B35/44,F24J2/52,B63B7/06 (71)Name of Applicant :
(31) Priority Document No :A 356/2010 1)HELIOVIS AG
(32) Priority Date :05/03/2010 Address of Applicant :Objekt M16 IZ N-S1/4d Strae 2d A

(32) Priority Date :05/03/2010 (33) Name of priority country :Austria

(86) International Application No:PCT/AT2011/000100

Filing Date :02/03/2011 (87) International Publication No :WO 2011/106810

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

Number :NA
Filing Date :NA

(57) Abstract:

Floating platform (1) having a flat cover element (2) and a sealing element (3) which is connected to the cover element (2) makes a sealing contact with a liquid surface (4) during operation and encloses a closed cavity (5) together with the cover element (2) and the liquid surface (4) or a bottom surface in which cavity (5) an overpressure which supports the cover element (2) can be produced by a compressed air production apparatus (5) with at least one circumferential wall (6) being provided as the sealing element (3) and having a sealing section (3) which projects into the liquid during operation.

No. of Pages: 38 No. of Claims: 20

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: OPTICAL FIBER FILTER DEVICE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification: G02B6/293,G02B6/26,G02B6/38 (71)Name of Applicant: (31) Priority Document No :201010116459.X 1)TYCO ELECTRONICS (SHANGHAI) CO. LTD. (32) Priority Date :12/02/2010 Address of Applicant :Level 1 No. 142 He Dan Road (33) Name of priority country :China Waigaoqiao Free Trade Zone Shanghai 200233 China 2)TYCO ELECTRONICS UK LTD (86) International Application :PCT/IB2011/050492 (72)Name of Inventor: :04/02/2011 Filing Date 1)TONG Zhaoyang (87) International Publication :WO 2011/098939 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

An optical fiber filter device comprises: a first fiber pigtail assembly (110) having a first optical fiber (111) a second fiber pigtail assembly (120) having a second optical fiber (121) a first optical filtering element (114) and a second optical filtering element (124). The first optical filtering element is arranged between a first port (113) of the first optical fiber and a second port (123) of the second optical fiber and is inclined at an angle to an optical axis of the first optical fiber such that a light component within a first wavelength range emitted from the first port is transmitted through the first optical filtering element and enters the second optical fiber via the second port and a light component within a second wavelength range emitted from the first port is reflected by the first optical filtering element to form a reflected light. The second optical filtering element is arranged such that the reflected light returns to the first optical filtering element 1.

No. of Pages: 31 No. of Claims: 30

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR CARTRIDGE BASED CARBONATION OF BEVERAGES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A47J31/41,A47J31/40,B01F3/04 :61/337184	(71)Name of Applicant: 1)GREEN MOUNTAIN COFFEE ROASTERS INC.
(32) Priority Date	:01/02/2010	Address of Applicant :33 Coffee Lane Waterbury VT 05676
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2011/023157 :31/01/2011 :WO 2011/094677	<ul> <li>(72)Name of Inventor:</li> <li>1)NOVAK Thomas J.</li> <li>2)PACKARD Ross</li> <li>3)PETERSON Peter</li> <li>4)GULLA Shawn</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Systems methods and cartridges for carbonating a precursor liquid such as water to form a beverage. A carbon dioxide source (41) can be provided in a cartridge (4) which is used to generate carbon dioxide gas that is dissolved into the precursor liquid (2). A beverage medium (42) such as a powdered drink mix or liquid syrup may be provided in the same or a separate cartridge (4b) as the carbon dioxide source and mixed with the precursor liquid (2) to form a beverage. The use of one or more cartridges for the carbon dioxide source and/or beverage medium may make for an easy to use and mess free system for making carbonated beverages e.g. in the consumer s home.

No. of Pages: 54 No. of Claims: 120

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: LIQUID FUEL COMPOSITIONS

(51) International classification :C10L1/238,C10L1/2383,C10L1/224

(31) Priority Document No :09180908.7 (32) Priority Date :29/12/2009

(33) Name of priority country :EPO

(86) International

Application No :PCT/EP2010/070762

Filing Date :27/12/2010

(87) International Publication No :WO 2011/080250

(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)SHELL INTERNATIONALE RESEARCH

MAATSCHAPPIJ B.V.

Address of Applicant : Carel van Bylandtlaan 30 NL 2596 HR

The Hague Netherlands (72)Name of Inventor:

1)GROVES Adrian Philip 2)KENDALL David Roy 3)McDonald Clive Richard

4)SMITH Susan Jane

### (57) Abstract:

The present invention provides a method of improving the performance of the lubricant of an internal combustion engine said method comprising fuelling an internal combustion engine containing the engine lubricant with a liquid fuel composition comprising: a base fuel suitable for use in an internal combustion engine; and one or more poly (hydroxycarboxylic acid) derivative having a terminal amine group having formula (III): [Y CO[O A CO] Z] X wherein Y is hydrogen or optionally substituted hydrocarbyl group A is a divalent optionally substituted hydrocarbyl group n is from 1 to 100 m is 1 or 2 Z is an optionally substituted divalent bridging group p is from 0 to 10 and X is terminal amine group or a group carrying a terminal amine group wherein the terminal amine group is selected from NR2 wherein R is independently selected from hydrogen and a C C hydrocarbyl group.

No. of Pages: 43 No. of Claims: 11

(21) Application No.5614/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: IMAGING DEVICE SYSTEM AND METHOD

:NA

:G02B27/22,G09F19/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/287735 1)UNIVERSAL CITY STUDIOS LLC (32) Priority Date Address of Applicant: 100 Universal City Plaza Universal City :18/12/2009 (33) Name of priority country :U.S.A. CA 91608 U.S.A. (86) International Application No :PCT/US2010/045027 (72)Name of Inventor: Filing Date :10/08/2010 1)EDWARDS Ross (87) International Publication No :WO 2011/075189 2)LINAMEN Tim (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

### (57) Abstract:

Filing Date

An image projecting device (200) for producing a physiological illusion in a viewing guest (110) the device (200) having a housing (102) with a transparent projection surface (104) a strobe light (106) supported by the housing (102) and configured to illuminate the transparent projection surface (104) an image (108) located on the transparent projection surface (104) and a controller (202) configured to activate and set duration of the strobe light (106) at a predetermined time to produce a physiological illusion of the image (108) in the viewing guest (110).

No. of Pages: 36 No. of Claims: 27

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: MEASURING ARRANGEMENT FOR DETECTING ALTERNATING CURRENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G01R15/18 :10 2010 012 691.8 :24/03/2010 :Germany :PCT/EP2011/054450 :24/03/2011 :WO 2011/117299 :NA :NA	(71)Name of Applicant:  1)PHOENIX CONTACT GMBH & CO. KG Address of Applicant: Flachsmarktstrae 8 32825 Blomberg Germany (72)Name of Inventor:  1)HAKEMEYER Frank 2)JRGENHAKE Christian 3)TH-RNER Carsten
. ,		5) THE REPORT OF THE PARTY OF T
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a measuring arrangement for connection to an energy and power measuring device and for connection to a Rogowski coil for detecting alternating currents of a conductor which is to be measured. The measuring arrangement has an integrated circuit for generating a voltage signal which is proportional to the detected alternating current and a voltage/current transformer for generating an output current which is proportional to the voltage signal which is generated by the integrated circuit. Furthermore the invention also relates to a measuring system which has one of the measuring arrangements referred to above and a Rogowski coil for detecting alternating currents of a conductor which is to be measured.

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

(21) Application No.7613/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: PUMP INTAKE DEVICE

(51) International classification :F04D7/04,F04D29/40,F15D1/04 (71)Name of Applicant:

(31) Priority Document No :2010900943 :05/03/2010 (32) Priority Date

(33) Name of priority country :Australia (86) International Application

:PCT/AU2011/000225 No :01/03/2011

Filing Date

(87) International Publication No:WO 2011/106829

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)WEIR MINERALS AUSTRALIA LTD

Address of Applicant: 1 Marden Street Artarmon New South

Wales 2064 Australia (72)Name of Inventor: 1)WALKER Craig Ian

## (57) Abstract:

A pump intake device comprising a main body which includes a side wall section having an inner side and an outer side an intake section extending from the outer side of the side wall section and an intake passage extending through the intake section the intake passage having an inner surface and an entry end and an exit end with a central axis extending between the entry and exit ends a first portion of the inner surface having one or more first guides thereon for directing fluid passing through the intake passage so that in use said fluid leaves the exit end at the first portion with an exit angle which is inclined relative to the central axis.

No. of Pages: 27 No. of Claims: 35

(21) Application No.7614/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: COMPOSITION FOR FORMATION OF P TYPE DIFFUSION LAYER PROCESS FOR PRODUCTION OF P TYPE DIFFUSION LAYER AND PROCESS FOR PRODUCTION OF SOLAR BATTERY CELL

(51) International

:H01L21/225,C03C8/18,H01L31/04 classification

(31) Priority Document No :2010022462 (32) Priority Date :03/02/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/051365

No :25/01/2011 Filing Date

(87) International Publication :WO 2011/096301

(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)HITACHI CHEMICAL COMPANY LTD.

Address of Applicant: 1 1Nishi Shinjuku 2 chome Shinjuku ku

Tokyo 1630449 Japan (72)Name of Inventor: 1)MACHII Youichi 2)YOSHIDA Masato 3)NOJIRI Takeshi 4)OKANIWA Kaoru

> 5)IWAMURO Mitsunori 6)ADACHI Shuuichirou

### (57) Abstract:

A composition for forming a p type diffusion layer comprises a glass powder containing an acceptor element and a dispersion medium; a a p type diffusion layer produced by applying the composition for forming a p type diffusion layer and subjecting the resulting product to a heat diffusion treatment; and a solar battery cell having the p type diffusion layer.

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

(22) Date of filing of Application :26/06/2012

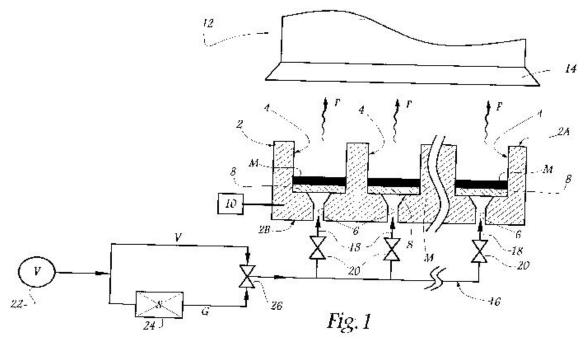
(43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD AND EQUIPMENT FOR CHARACTERIZING THE SURFACE OF SOLID MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09 58756 :08/12/2009 :France :PCT/FR2010/052644 :08/12/2010 :WO 2011/070296 :NA :NA	(71)Name of Applicant:  1)RHODIA OPERATIONS  Address of Applicant: 40 Rue de la Haie Coq F 93306  Aubervilliers France (72)Name of Inventor:  1)PAVAGEAU Bertrand 2)GUIRARDEL Matthieu 3)JOLLY Julien
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2011/070296 :NA	2)GUIRARDEL Matthieu

### (57) Abstract:

The aim of the invention is to improve the surface characterization of solid materials facilitating the implementation thereof while producing reliable and accurate results. The method of the invention comprises the following steps: obtaining a material (M) to be characterized in powder form and a gas mixture (G) containing a probe molecule (S) that can interact with the material; performing gas percolation through the material by flowing the gas mixture into the free spaces between the grains of the material while leaving said grains in contact with one another during the gas percolation through the material (M); measuring a radiative heat flux (F) emitted by the material; and at least one surface characteristic relating to the material (M) is deduced from the radiative heat flux (F) measurements.



No. of Pages: 21 No. of Claims: 20

(21) Application No.7522/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: SKIN WHITENING COMPOSITION

• •	:A61K8/49,A61K8/97,A61Q19/02	
(31) Priority Document No	:2010042723	1)N.T.H. Co. Ltd.
(32) Priority Date	:26/02/2010	Address of Applicant :4F Sky ebisu Bldg. 1 8 11 Ebisu
(33) Name of priority country	:Japan	Shibuya ku Tokyo 1500013 Japan
(86) International Application	DCT/ID2011/052710	(72)Name of Inventor:
No	:PCT/JP2011/053719	1)YOSHIKAWA Masayuki
Filing Date	:21/02/2011	,
(87) International Publication	:WO 2011/105332	
No	. 11 0 2011/103332	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	INA	
(62) Divisional to Application	374	
Number	:NA	
Filing Date	:NA	
I IIIIg Date		

### (57) Abstract:

Disclosed is a novel use of an extract of lotus flower. Specifically disclosed is a skin whitening composition which contains a proaporphine or aporphine alkaloid represented by general formula (I) as an active ingredient. (In the formula R R and R each represents a hydrogen atom or a methyl group; R R and R each represents a hydrogen atom or a methyl group or alternatively R and R as well as R and R combine together and respectively represent a bonding hand; two Rs each represents a hydrogen atom or alternatively the two Rs combine together and represent an oxo group; n represents an integer of 0 or 1; when n is 0 two Rs combine together with carbon atoms to which the two Rs are bonded and form a 4 oxo cyclohexadiene ring; and when n is 1 two Rs and R combine together with carbon atoms to which the two Rs and R are bonded and form a benzene ring.)

No. of Pages: 43 No. of Claims: 4

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: NANOSTRUCTURED POLYMER MEMBRANES FOR SELECTIVE ALCOHOL TRANSPORT

(51) International :C08G61/08,C08G61/12,C08L65/00

classification (31) Priority Document No :61/313618

(32) Priority Date :12/03/2010 (33) Name of priority country: U.S.A.

(86) International Application:PCT/US2011/027871

No :10/03/2011 Filing Date

(87) International Publication :WO 2011/112796

No

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

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

Filing Date

(71)Name of Applicant:

1) THE REGENTS OF THE UNIVERSITY OF

**CALIFORNIA** 

Address of Applicant: 1111 Franklin Street 12th Floor

Oakland CA 94607 5200 U.S.A.

(72)Name of Inventor:

1)BALSARA Nitash P.

2)JHA Ashish K. 3)CHEN Liang

(57) Abstract:

The present invention relates to copolymer compositions for alcohol selective membranes and methods of selectively separating an alcohol such as ethanol from an aqueous solution using such membranes. The copolymer compositions may be block copolymers of polystyrene polybutadiene polystyrene (hereafter SBS) having cylindrical morphologies; graft diblock copolymers synthesized by ring opening metathesis polymerization of two cycloalkene monomers wherein at least one of the cycloalkene monomers is substituted with one or more polydialkylsiloxane groups; or triblock copolymers comprising a middle block comprising a polymerized cycloalkene monomer and two end groups. The synthesized graft and triblock copolymer compositions may have a spherical lamellar cylindrical double diamond or gyroid morphologies. The copolymer compositions may contain a structural block that imparts essential mechanical properties to the membrane (e.g. polystyrene) and may also contain an alcohol transporting block (e.g. polydimethylsiloxane or polybutadiene). The copolymer compositions may have a domain spacing and a flux where the flux increases as the domain spacing increases. The copolymer compositions may also have an alcohol separation factor that increases as the domain spacing increases. The separation method may be carried out using pervaporation or vapor permeation techniques.

No. of Pages: 76 No. of Claims: 55

(21) Application No.7532/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: SOLID LAUNDRY DETERGENT COMPOSITION HAVING AN EXCELLENT ANTI **ENCRUSTATION PROFILE**

(51) International classification :C11D3/36,C11D3/37,C11D3/10 (71)Name of Applicant:

(31) Priority Document No :10155094.5

(32) Priority Date :01/03/2010

(33) Name of priority country :EPO (86) International Application No:PCT/US2011/026564

Filing Date :01/03/2011

(87) International Publication No: WO 2011/109316

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72)Name of Inventor: 1)LANT Neil Joseph

2) REDFERN Katherine Esther

### (57) Abstract:

The present invention relates to a solid laundry detergent composition comprising: (a) greater than 5wt% detersive surfactant; (b) greater than 5wt% carbonate salt (c) from 0.05wt% to 10wt% calcium carbonate crystal growth inhibitor selected from the group consisting of 1 hydroxyethanediphosphonic acid and salt thereof; N N dicarboxymethyl 2 aminopentane 1 5 dioic acid and salt thereof; 2 phosphonobutane 1 2 4 tricarboxylic acid and salt thereof; and any combination thereof; (d) from 0.05wt% to 10wt% carboxylate polymer having a molecular weight of from 3 000 Da to 10 000 Da; (e) from 0wt% to 10wt% zeolite builder; (f) from 0wt% to 10wt% phosphate builder; (g) optionally from 0wt% to 10wt% silicate salt; (h) optionally from 0wt% to 10wt% layered silicate; and (i) other detergent ingredients.

No. of Pages: 27 No. of Claims: 19

(21) Application No.7652/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING AND/OR PREVENTING CARDIOVASCULAR DISEASE

(51) International classification	:A01N37/00,A61K31/20	(71)Name of Applicant:
(31) Priority Document No	:61/310443	1)AMARIN PHARMA INC.
(32) Priority Date	:04/03/2010	Address of Applicant :Third Floor Mystic Packer Building 12
(33) Name of priority country	:U.S.A.	Roosevelt Avenue Mystic Connecticut 06355 U.S.A.
(86) International Application No	:PCT/US2011/027218	(72)Name of Inventor:
Filing Date	:04/03/2011	1)ROWE Jonathan
(87) International Publication No	:WO 2011/109724	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	·NA	

### (57) Abstract:

Filing Date

In various embodiments the present invention provides pharmaceutical compositions comprising fatty acids and methods for treating subjects using same.

:NA

No. of Pages: 53 No. of Claims: 21

(21) Application No.7653/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PREPARATION OF BLEACHING 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07F13/00 :NA :NA :NA :NA :PCT/CN2010/000256 :03/03/2010 :WO 2011/106906 :NA :NA :NA	(71)Name of Applicant: 1)CATEXEL LIMITED Address of Applicant:TMF Corporate Administration Services Limited 5th Floor 6 St Andrew Street London EC4A 3AE U.K. 2)HINDUSTAN UNILEVER LIMITED (72)Name of Inventor: 1)HAGE Ronald 2)ZHANG Jianrong 3)ZHAO Wei
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### (57) Abstract:

The present invention concerns synthesising manganese complexes in essentially non aqueous solutions.

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

(21) Application No.7654/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: METHOD AND APPARATUS FOR AN IMS RESTORATION PROCEDURE

(51) International :H04L29/06,H04L12/24,H04L29/14 classification (31) Priority Document No :NA

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

(86) International Application :PCT/EP2010/055298

No :21/04/2010 Filing Date

(87) International Publication :WO 2011/131240

No

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

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

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant :SUECIA SE 164 83 Stockholm Sweden

(72)Name of Inventor:

1)FERNANDEZ ALONSO Susana

2)MU'OZ DE LA TORRE ALONSO Miguel

## (57) Abstract:

The present invention faces the issue of carrying out an IP Multimedia Subsystem Restoration procedure with help of Policing and Charging Control PCC architecture with new functions recently standardized and which conventional PCC nodes do not support. Thus the present invention provides for making use of an enhanced Deep Packet Inspection device included in a Policing and Charging Enforcement Function PCEF server for inspecting signalling traffic and for detecting an identifier of a Proxy Call Session Control Function P CSCF server during IMS registration by a user s equipment; so that the PCEF can monitor the P CSCF availability without impacting other conventional PCC nodes.

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

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: LIVE MONITORING OF CALL SESSIONS OVER AN IP TELEPHONY NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04L12/66 :12/732928 :26/03/2010 :U.S.A. :PCT/US2011/026839 :02/03/2011 :WO 2011/119305 :NA :NA	(71)Name of Applicant: 1)CALABRIO INC. Address of Applicant: 605 Highway 169 North Minneapolis Minnesota 55441 U.S.A. (72)Name of Inventor: 1)MACIEJ Mike 2)MARTIN II James Paul 3)BENDICKSON Mike
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods for monitoring call sessions over an IP telephony network are disclosed. An illustrative system for monitoring call sessions over an IP telephony network includes a number of user telephone stations a communications manager configured to direct call session data streams to the user telephone stations and an application configured to receive the call session data streams and direct those streams to one or more monitoring stations for monitoring. The call session data streams can be sent directly to the monitoring stations or can be sent to the monitoring stations via a monitoring server that forwards the call session data streams to a record service or record server.

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

(21) Application No.7656/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: MEMBRANE FILTER SYSTEM

(51) International classification :B01D35/16,C02F1/00,C02F1/44 (71)Name of Applicant:

(31) Priority Document No :61/317023 (32) Priority Date :24/03/2010 :U.S.A.

(33) Name of priority country

(86) International Application No

:PCT/CA2011/000307 :23/03/2011 Filing Date

(87) International Publication No:WO 2011/116467

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)BIONEST TECHNOLOGIES INC.

Address of Applicant :55 12e rue C.P. 697 Grand Mere

Ouebec G9T 5L4 Canada (72)Name of Inventor: 1)LORD Garfield R.

## (57) Abstract:

A guide member for directing gas bubble flow along a membrane surface the guide member having first and second side edges defining a channel for gas bubbles to flow along the channel having an open bottom end through which the gas bubbles can enter the channel and an open top end through which the bubbles can exit the channel and a diverting means adjacent the channel bottom end arranged to direct at least some of the incident gas bubbles in a first direction towards the channel bottom end. A membrane module assembly and a membrane filter system including the guide member.

No. of Pages: 46 No. of Claims: 31

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: 1 3 4 OXADIAZOLE 2 CARBOXAMIDE COMPOUND

(71)Name of Applicant: 1)GENERAL INCORPORATED ASSOCIATION (51) International :C07D413/04,A61K31/4245,A61K31/428 PHARMA VALLEY PROJECT SUPPORTING classification (31) Priority Document ORGANIZATION :2009297960 Address of Applicant: 7 25 Bunkyo cho 1 chome Mishima shi (32) Priority Date :28/12/2009 Shizuoka 4110033 Japan (33) Name of priority 2)PHARMA DESIGN INC. :Japan country 3)SHIZUOKA PREFECTURE (86) International 4)KUMAMOTO HEALTH SCIENCE UNIVERSITY :PCT/JP2010/073787 Application No 5)KABUSHIKI KAISHA YAKULT HONSHA :28/12/2010 Filing Date (72)Name of Inventor: (87) International 1)ASAI Akira :WO 2011/081205 **Publication No** 2)MATSUNO Kenji (61) Patent of Addition 3)OGO Naohisa :NA to Application Number 4)TAKAHASHI Osamu :NA Filing Date 5)MASUDA Yoshiaki (62) Divisional to 6)MUROYA Ayumu :NA **Application Number** 7)AKIYAMA Yasuto :NA Filing Date 8) ASHIZAWA Tadashi

### (57) Abstract:

Provided is a 1,3,4 oxadiazole 2 carboxamide compound which has STAT3 inhibitory activity and is useful as an anticancer agent. Specifically disclosed is a 1,3,4 oxadiazole 2 carboxamide compound represented by formula (I) or a pharmacologically acceptable salt thereof. (In the formula Ar represents a furyl group or the like; R represents a hydrogen atom or the like; and X Y represents a diaryl group such as a biphenyl group.)

9)OKAWARA Tadashi

No. of Pages: 228 No. of Claims: 16

(21) Application No.7540/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PALATABLE BEVERAGES AND COMPOSITIONS WITH COCOA EXTRACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:61/311,202 :05/03/2010 :U.S.A. :PCT/US2011/027278 :04/03/2011 :WO 2011/109764 :NA :NA	(71)Name of Applicant:  1)MARS INCORPORATED  Address of Applicant:6885 Elm Street McLean VA 22101 3883 U.S.A. (72)Name of Inventor:  1)VEGA Cesar  2)LLOYD Carol
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present subject matter relates to palatable beverages and compositions such as non chocolate flavored water soluble dry powder compositions comprising a cocoa extract which comprises cocoa polyphenols and an edible acid. The present subject matter further relates to processes for formulating said beverages and compositions.

No. of Pages: 40 No. of Claims: 24

(21) Application No.7541/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: POLYPEPTIDE HAVING DITERPENE SYNTHASE ACTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12N9/10,C12N15/09 :10002448.8 :09/03/2010 :EPO :PCT/EP2011/053571 :09/03/2011 :WO 2011/110610 :NA :NA	(71)Name of Applicant:  1)SANDOZ AG  Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor:  1)MITTERBAUER Rudolf 2)SPECHT Thomas
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present application among others relates to novel polypeptides having diterpene synthase activity nucleic acid molecules encoding same as well as to a gene cluster from which is thought to be involved in the biosynthetic pathway for producing pleuromutilin.

No. of Pages: 162 No. of Claims: 15

(21) Application No.7542/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention : INJECTION DEVICE WITH PROJECTIONS DISPOSED ON THE PASSAGE TO REDUCE THE EFFECTIVE BORE OF THE PASSAGE

(51) International classification	:A61M5/32,A61M5/00	(71)Name of Applicant:
(31) Priority Document No	:1003667.1	1)OWEN MUMFORD LIMITED
(32) Priority Date	:05/03/2010	Address of Applicant :Brook Hill Woodstock Oxford
(33) Name of priority country	:U.K.	Oxfordshire OX20 1TU U.K.
(86) International Application No	:PCT/GB2011/050433	(72)Name of Inventor:
Filing Date	:04/03/2011	1)BICKNELL Stephen
(87) International Publication No	:WO 2011/107805	2)PEEL Alan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An injection device includes a cap (38) which is withdrawn from the front of the device before use to remove a boot (52) from the needle (50). The cap (52) has fingers (46) which grip the boot and which pass down a passage through which the needle projects to inject a dose. The passage has projections disposed to reduce the effective bore of the passage the projections having inwardly inclined resilient portions which allow the boot to be withdrawn forwardly through the passage but prevent a finger being poked into the passage.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: SURVEYING INSTRUMENT

(51) International :G01C1/04,G01C15/00,G02B23/00

classification

(31) Priority Document No :10162748.7 (32) Priority Date :12/05/2010 (33) Name of priority country: EPO

(86) International Application

:PCT/EP2011/057696 No

:12/05/2011 Filing Date

(87) International Publication :WO 2011/141547

No (61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)LEICA GEOSYSTEMS AG

(21) Application No.7544/DELNP/2012 A

Address of Applicant : Heinrich Wild Strasse CH 9435

Heerbrugg Switzerland (72)Name of Inventor: 1)LIENHART Werner 2) ZOGG Hans Martin 3)KOTZUR Norbert

4)NINDL Daniel

(57) Abstract:

(19) INDIA

The invention relates to a surveying instrument (1) comprising a telescope at least one camera providing first second or more image signals and a controller wherein the controller is adapted to combine the image signal data of the first second or more image signals in order to simultaneously display at least two of the images (79) corresponding to the first second or more image signals on display means (3).

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

(21) Application No.7663/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: ORAL CARE COMPOSITION

(51) International classification :A61K8/11,A61K8/25,A61K8/27

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

(33) Name of priority country :NA

(86) International Application
No
:PCT/US2010/029472

Filing Date :31/03/2010

(87) International Publication No:WO 2011/123123

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

(62) Divisional to Application Number :NA :NA

Filing Date

(71)Name of Applicant:

1)COLGATE PALMOLIVE COMPANY

Address of Applicant :300 Park Avenue New York NY 10022

U.S.A.

(72)Name of Inventor:

1)PORTER Venda 2)MORGAN Andre 3)PRENCIPE Michael

### (57) Abstract:

Disclosed are oral care compositions for example dentifrice compositions comprising an oral care composition comprising an orally acceptable vehicle metal oxide particles having an average particle size of no greater than a dentin tubule and at least one amino acid capable of chelating the metal oxide. The composition may comprise a polymeric adherent material for adhering the metal oxide particles in the dentin tubule. The metal oxide particles have a median particle size of 5 microns or less and may comprise zinc oxide.

No. of Pages: 37 No. of Claims: 30

(21) Application No.7664/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention : METHOD AND SYSTEM FOR REDUCING EFFECT OF INTERFERENCE IN INTEGRATED METAL DETECTION/ELECTRONIC ARTICLE SURVEILLANCE SYSTEMS

#### (57) Abstract:

An integrated electronic article surveillance (EAS)/metal detection system. The system includes a transmitter operable to transmit an EAS interrogation signal where the EAS interrogation signal establishes an interrogation zone and is used to detect EAS markers and metal objects within the interrogation zone. The EAS interrogation signal is transmitted at a first frequency during an EAS detection cycle and at a second frequency during a metal detection cycle. The system includes a receiver operable to detect a signal received from an EAS marker and a metal detector module operable to detect a metal object in proximity to the integrated EAS/metal detection system where the metal detector module includes a filter tuned to substantially filter out the first transmission frequency.

No. of Pages: 23 No. of Claims: 20

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: PRODUCTION OF PROPYLENE VIA SIMULTANEOUS DEHYDRATION AND SKELETAL ISOMERISATION OF ISOBUTANOL ON ACID CATALYSTS FOLLOWED BY METATHESIS

(51) International classification: C07C1/24,C07C11/00,C07C11/08 (71) Name of Applicant:

(31) Priority Document No :10156537.2 (32) Priority Date :15/03/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/053905

:15/03/2011

Filing Date (87) International Publication :WO 2011/113836

No

(61) Patent of Addition to

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

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

1)TOTAL RESEARCH & TECHNOLOGY FELUY

Address of Applicant : Zone Industrielle C B 7181 Seneffe

Belgium

(72)Name of Inventor:

1)VERMEIREN Walter

2)ADAM Cindy

3)MINOUX Delphine

### (57) Abstract:

The present invention relates to a process for the production of propylene in which in a first step isobutanol is subjected to a simultaneous dehydration and skeletal isomerisation to make substantially corresponding olefins having the same number of carbons and consisting essentially of a mixture of n butenes and iso butene and in a second step n butenes are subjected to methathesis said process comprising: a) introducing in a reactor a stream (A) comprising isobutanol optionally water optionally an inert component b) contacting said stream with a catalyst in said reactor at conditions effective to dehydrate and skeletal isomerise at least a portion of the isobutanol to make a mixture of n butenes and iso butene c) recovering from said reactor a stream (B) removing water the inert component if any and unconverted isobutanol if any to get a mixture of n butenes and iso butene d) fractionating said mixture to produce a n butenes stream (N) and to remove the essential part of isobutene optionally recycled with stream (A) to the dehydration/isomerization reactor of step b) e) sending the stream (N) to a methathesis reactor and contacting stream (N) with a catalyst in said methathesis reactor optionally in the presence of ethylene at conditions effective to produce propylene f) recovering from said methathesis reactor a stream (P) comprising essentialy propylene unreacted n butenes heavies optionally unreacted ethylene g) fractionating stream (P) to recover propylene and optionally recycling unreacted n butenes and unreacted ethylene to the methathesis reactor.

No. of Pages: 48 No. of Claims: 24

(21) Application No.7558/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : APPARATUSES AND METHODS FOR REGISTERING TRANSMISSION CAPACITIES IN A BROADBAND ACCESS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H04L12/28 :NA :NA :NA :PCT/SE2010/050457 :23/04/2010 :WO 2011/133080 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)MELSEN Torben 2)LUDWIG Reiner 3)MUELLER Steven
(61) Patent of Addition to Application		3)MUELLER Steven
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An access node for use in a broadband access network is described. The access node is characterized in that it is configured to determine at least one characteristic in the access node pertaining to the uplink capacity of a logical link between the access node and an aggregation network node in the broadband access network determine the uplink capacity of the logical link based on the at least one determined characteristic in the access node and provide a network gateway node in the broadband access network with access to the determined uplink capacity of the logical link. A resource database and a network gateway node are also described. Furthermore methods and computer program products for use in the access node the resource database and the network gateway node are described as well as a broadband access network.

No. of Pages: 25 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :18/03/2011 (43) Publication Date : 07/03/2014

(21) Application No.768/DEL/2011 A

### (54) Title of the invention: MY HEALTH CHECK SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)RAJEEV SHANDILLYA Address of Applicant: J-57 VISHNU GARDEN, NEW DELHI-18 India (72)Name of Inventor: 1)RAJEEV SHANDILLYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention is relates to blood pressure monitoring and its care. The oscillometric method is employed by the majority of automated noninvasive devices. A limb and its vasculature are compressed by an encircling, inflatable compression cuff. The blood pressure reading for systolic and diastolic blood pressure values are read at the parameter identification point. The simplified measurement principle of the oscillometric method is a measurement of the amplitude of pressure change in the cuff as the cuff is inflated from above the systolic pressure. The amplitude suddenly grows larger as the pulse breaks through the occlusion. This is very close to systolic pressure. As the cuff pressure is further reduced, the pulsation increase in amplitude reaches a maximum and then diminishes rapidly. The index of diastolic pressure is taken where this rapid transition begins. Therefore, the systolic blood pressure (SBP) and Diastolic blood pressure (DBP) are obtained by identifying the region where there is a rapid increase then decrease in the amplitude of the pulses respectively. Mean arterial pressure (MAP) is located at the point of maximum oscillation. This device allows one to measure his blood pressure from his personal computer or laptop. This device does not suffer from the disadvantages of conventional digital devices where accuracy of the readings can be compromised due to weakness of the battery. The benefits of the device are that you do not have to go to the Doctors for your BP Check-Ups & spend money for chronic patients because you need proper BP readings for better diagnose. It always give best result because battery is not required, it runs only from CPU. You can carry this within Laptop bags. While working on your computer you can check your BP if you are not feeling well while working you can check BP immediately & diagnose accordingly Our invention is a complete solution for blood pressure monitoring and its care. This device has a computer interface which helps in keeping the track of your regular blood pressure reading and maintaining a database of blood pressure reading. Through the computer interface you can control the device and maintain the database. The hardware uses an integrated pressure sensor, analog signal-conditioning circuitry, microcontroller hardware/software and a computer interface. The sensing system reads the cuff pressure (CP) and extracts the pulses for analysis and determination of systolic and diastolic pressure and the same is conveyed to the Computer. The computer provides a fully validated interface to the user, allowing tracking of readings in a database, reminders, exporting as well as analyzing the data. It can also give advice to keep you up to date about your prehypertension, hypertension, hypotension and show you the risk factor, causes, symptoms, complications, diagnosis, treatments, self cares etc. on the basis of your systolic/ diastolic readings.

No. of Pages: 8 No. of Claims: 3

(19) INDIA

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

(21) Application No.7615/DELNP/2012 A

(43) Publication Date: 07/03/2014

### (54) Title of the invention: HIGHLY PURE VARENICLINE OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF SUBSTANTIALLY FREE OF METHYLVARENICLINE IMPURITY

(51) International

:C07D471/08,A61K31/4985,A61P25/34

classification

(31) Priority Document :611/CHE/2010

(32) Priority Date :09/03/2010

(33) Name of priority country

:India

(86) International

:PCT/IB2011/000983 Application No :08/03/2011

Filing Date

(87) International :WO 2011/110954

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)ACTAVIS GROUP PTC EHF

Address of Applicant: Reykjavikurvegi 76 78 IS 220

Hafnarfjorour Ice Land

(72)Name of Inventor: 1)PRADHAN Nitin Sharadchandra

2)KUMAR Arvapally Seshu

3)TRIVEDI Nikhil

4)SHARMA Krishnadatt

## (57) Abstract:

Provided herein is an impurity of varenicline, 6-methyl-5, 8, 14-triazatetracyclo [1 0.3.1 .02n, 04<sup>TM</sup>9] hexadeca-2(1 1), 3, 5, 7, 9pentaene (methylvarenicline) impurity, and a process for the preparation and isolation thereof. Provided further herein is a highly pure varenicline or a pharmaceutically acceptable salt thereof substantially free of methylvarenicline impurity, a process for the preparation thereof, and pharmaceutical compositions comprising highly pure varenicline or a pharmaceutically acceptable salt thereof substantially free of methylvarenicline impurity.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: METHOD AND ARRANGEMENT FOR AVOIDING ANODE OXIDATION

(51) International classification :H01M8/04,H01M8/12 (71)Name of Applicant : (31) Priority Document No :20105196 1)W,,RTSIL,, FINLAND OY (32) Priority Date Address of Applicant: Tarhaajantie 2 FI 65380 Vaasa Finland :01/03/2010 (33) Name of priority country :Finland (72)Name of Inventor: 1)HOTTINEN Tero (86) International Application No :PCT/FI2011/050019 Filing Date :12/01/2011 2)...STR-M Kim (87) International Publication No :WO 2011/107654 3)HAKALA Tuomas (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The focus of the invention is an arrangement for high temperature fuel cell system for substantially reducing the amount of purge gas in an emergency shut down situation. The arrangement comprises a known volume (118) for containing a pneumatic actuation pressure said known volume comprising at least one discharge route (117) for designed discharge rate at least one pressure source (120) providing pressure capable of performing the pneumatic actuation at least one purge gas source (121) having a gas overpressure capable of displacing residual reactants in the fuel cell system at least one valve (124) for connecting the purge gas source (121) to the fuel cell system piping means (122) for injecting a purge gas flow to the fuel cell system piping from the at least one purge gas source (121) means (125) for isolating the known volume (118) from said at least one pressure source (120) and for pressurizing the known volume (118) at least one pneumatically actuated valve (130) utilising pressure of the known volume (118) for retaining a state and said known volume (118) being pressurized in normal operation by the pressure source (120) and in emergency shutdown being disconnected from the pressure source (120) purge gas discharge through the discharge route (117) causing pressure decline in the known volume (118) accomplishing a designed time delay in state change of at least one pneumatically actuated valve (130) to reduce or close completely down emergency shutdown actuated flow of purge gas into the fuel cell system piping after the designed time delay.

No. of Pages: 19 No. of Claims: 8

(21) Application No.7576/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : INDUCED HEPATIC STEM CELL AND PROCESS FOR PRODUCTION THEREOF AND APPLICATIONS OF THE CELL

(51) International :C12N5/10,A01K67/027,A61K35/12

classification (31) Priority Document No :2010022600

(31) Priority Document No :2010022600 (32) Priority Date :03/02/2010 (33) Name of priority

country :Japan

(86) International :PCT/JP2011/000621

Application No
Filing Date

1. FC1/3F201
1. (03/02/2011)

(87) International Publication: WO 2011/096223

No (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)NATIONAL CANCER CENTER

Address of Applicant :5 1 1Tsukiji Chuo ku Tokyo 1040045

Japan

(72)Name of Inventor :1)ISHIKAWA Tetsuya2)HAGIWARA Keitaro

3)OCHIYA Takahiro

### (57) Abstract:

Disclosed are: an induced hepatic stem cell useful for safety tests toxicity tests metabolism tests drug interaction tests anti viral activity tests screening tests for medicinal agents such as hyperlipemia therapeutic agents hypertension therapeutic agents pharmaceutical low molecular weight compound agents and pharmaceutical antibody agents the screening for potential drug targets the production of animal models the production of hepatocyte produced proteins and regenerative medicine; a process for producing the cell; and applications of the cell. The induced hepatic stem cell is characterized by fulfilling at least the following requirements (1) to (3): (1) at least 15 genes selected from specific genes that are marker genes for embryonic stem cells are expressed in the cell; (2) the cell has properties of hepatocytes; and (3) the cell can be proliferatively cultured or sub cultured for at least three days.

No. of Pages: 65 No. of Claims: 21

(21) Application No.7578/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: CUSHION SHAPED CONCENTRATOR

(51) International classification	:F24J2/12,F24J2/14,F24J2/52	(71)Name of Applicant:
(31) Priority Document No	:A 355/2010	1)HELIOVIS AG
(32) Priority Date	:05/03/2010	Address of Applicant :Objekt M16 IZ N– S¼d Strae 2d A
(33) Name of priority country	:Austria	2351 Wiener Neudorf Austria
(86) International Application No	:PCT/AT2011/000101	(72)Name of Inventor:
Filing Date	:02/03/2011	1)TIEFENBACHER Felix
(87) International Publication No	:WO 2011/106811	2)H–FLER Johannes
(61) Patent of Addition to	:NA	
Application Number	:NA :NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	A	

### (57) Abstract:

The invention relates to a cushion shaped concentrator (1) for concentrating electromagnetic radiation in particular solar radiation (S) in an absorber (2) comprising a transparent membrane (3) that faces the incoming radiation during operation and a reflector membrane (4) which reflects the incident radiation in the direction of the absorber (2). In order to create a simply designed low cost cushion shaped concentrator (1) by means of which the electromagnetic radiation can be concentrated at high efficiency in an absorber (2) the transparent membrane (3) and the reflector membrane (4) form an outer casing (5) for a chamber (6) filled with a gas at overpressure wherein tension elements (7) are arranged between the transparent membrane (3) and the reflector membrane (4) said tension elements producing constrictions (E) on the reflector membrane (4) that separate concavely curved sections (A) of the reflector membrane (4).

No. of Pages: 34 No. of Claims: 21

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: INTERNAL COMBUSTION ENGINE COMPRISING A CONNECTING ASSEMBLY FOR A CYLINDER HEAD

(21) Application No.7579/DELNP/2012 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:F02F1/42,F01N13/18 :A 440/2010 :18/03/2010 :Austria :PCT/EP2011/053797 :14/03/2011 :WO 2011/113793 :NA :NA	(71)Name of Applicant: 1)AVL LIST GMBH Address of Applicant: Hans List Platz 1 A 8020 Graz Austria (72)Name of Inventor: 1)OBENAUS Thomas
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

(19) INDIA

The invention relates to an internal combustion engine having a connecting assembly for a cylinder head (2) comprising at least one air or gas conducting part (4) that connects to at least one flow opening (3a) of the cylinder (2) in particular an exhaust manifold (5) or an intake manifold wherein at least one sealing element (9) is disposed between the air or gas conducting part (4) and the cylinder head (2). In order to reduce the assembly complexity and save installation space at least one fastening means (7) for the air or gas conducting part (4) is disposed spatially separate from the sealing element (9).

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : DETECTING AN ABNORMALITY OF A SWITCH IN A HIGH VOLTAGE ELECTRICAL SUBSTATION

(51) International classification :H02J13/00,H02B1/00,H02H3/04 | (71)Name of Applicant: (31) Priority Document No 1) ENERGIE H.T. INTERNATIONAL INC. :61/267801 (32) Priority Date Address of Applicant :Bureau 103 75 Boulevard de Mortagne :08/12/2009 (33) Name of priority country Boucherville Oubec J4B 6Y4 Canada :U.S.A. (86) International Application (72)Name of Inventor: :PCT/CA2010/001953 1)LALONGE Patrick :08/12/2010 Filing Date 2) JEANJEAN Robert (87) International Publication :WO 2011/069256 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

There is provided a method for determining an abnormality during operation of a high voltage disconnect switch the method comprising: determining a current position of an arm of the high voltage disconnect switch operatively connected to a motor the motor being operated for driving the arm of the high voltage disconnect switch; determining a torque of the motor corresponding to the current position of the arm; comparing the torque of the motor to a torque threshold for the current position of the arm; and outputting an abnormality signal based on the comparison.

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

(21) Application No.5629/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: MICROFLUIDIC SYSTEM COMPRISING A LIGHT EMITTING DEVICE

(51) International (71)Name of Applicant: :G01N21/03,G01N21/05,G01N21/15 classification 1)FLOWSION APS (31) Priority Document No Address of Applicant: Nordborgvej 81 DK 6430 Nordborg :PA 2010 00023 (32) Priority Date :13/01/2010 Denmark (33) Name of priority (72)Name of Inventor: :Denmark country 1)PAASCH Kasper (86) International :PCT/DK2011/000001 Application No :12/01/2011 Filing Date (87) International :WO 2011/085728 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

### (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The present invention relates to especially microfluidic analysis systems where the emitted light of a emitting source is measured by optic detection and where a transparent body separates the emitting source from the optic detector. The invention especially relates to optic calibration of the device the calibration being related to changes in the transparency of the transparent body and / or changes in the temperature of the emitting source.

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

:NA

:NA

(21) Application No.7627/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: MOTOR CONTROL DEVICE FOR ACTUATING A CIRCUIT AND METHOD

(51) International :F02N11/08,B60R16/02,F02N11/10 classification

:NA

(31) Priority Document No :10 2010 002 678.6 :09/03/2010 (32) Priority Date

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/051884

No :09/02/2011

Filing Date (87) International Publication :WO 2011/110397

No

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

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

Filing Date

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

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor: 1)SURGES Uwe 2)RINZE Lars Daniel

### (57) Abstract:

The present invention relates to a motor control device for actuating a circuit, in particular a Starter in a vehicle. The motor control device comprises at least one first means for providing a first signal, in particular an ignition signal, a second means for providing a voltage for the circuit, a third means for connecting the circuit, a first switch, which is arranged between second and third means for Controlling the circuit, and a fourth means for generating a second signal, wherein the first signal coope - o rates with the second signal to form a Virtual second switch for switching the circuit on or off by means of the first switch.

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

(21) Application No.7628/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A61M15/00 :566/DEL/2010 :12/03/2010 :India :PCT/IB2011/050818 :25/02/2011 :WO 2011/110970 :NA :NA	(71)Name of Applicant:  1)RANBAXY LABORATORIES LIMITED  Address of Applicant: Head Office: 12th Floor Devika Tower  06 Nehru Place New Delhi 110 019 India  (72)Name of Inventor:  1)CHOWDHARY Santanu  2)MITRA Animesh
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a single dose dry powder inhaler device with improved lung deposition the inhaler device comprising: a sliding mouthpiece; a capsule chamber; blades which are inserted into slots in the capsule chamber; an outer body covering the capsule chamber and; a lower cover with an air inlet hole; wherein the capsule chamber has a recess for the insertion of a capsule and said capsule gets dissected by the blades along its entire length.

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

(21) Application No.5618/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

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

(51) International :A61L27/04,A61L27/50,A61L27/06 classification

(31) Priority Document No :1020090120346 (32) Priority Date :07/12/2009 (33) Name of priority country: Republic of Korea (86) International Application :PCT/KR2010/008717

No :07/12/2010 Filing Date

(87) International Publication :WO 2011/071299

(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)U&I CORPORATION

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(72)Name of Inventor:

1)KOO Ja Kyo

2)SEOK Hyun Kwang

3)YANG Seok Jo

4)KIM Yu Chan

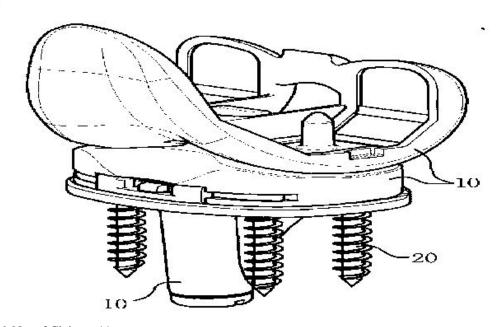
5)CHO Sung Youn

6)KIM Jong Tack

## (57) Abstract:

The present invention relates to an implant which fixes an artificial joint to the bone of a patient and which comprises biodegradable magnesium alloys.

## [FIG. 1]



No. of Pages: 29 No. of Claims: 11

(21) Application No.5619/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: 3 (3 AMINOPIPERIDIN 1 YL) 5 OXO 1 2 4 TRIAZINE DERIVATES AS DIPEPTIDYL PEPTIDASE IV(DPP IV) INHIBITORS

(51) International :C07D401/04,A61K31/53,A61K31/5395

classification

(31) Priority Document :61/291321

(32) Priority Date :30/12/2009

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

(86) International

:PCT/CN2010/080370 Application No :28/12/2010

Filing Date

(87) International

Publication No

:WO 2011/079778

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

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

(71)Name of Applicant:

1)SHANGHAI FOCHON PHARMACEUTICAL CO LTD.

Address of Applicant :Block O Floor 5 No. 780 Cailun Road

Zhangjiang Shanghai 201203 China

(72)Name of Inventor: 1)WANG Weibo

2)LI Tongshuang

#### (57) Abstract:

Provided are 3 (3 aminopiperidin 1 yl) 5 oxo 1 2 4 triazine derivates as dipeptidyl peptidase IV(DPP IV) inhibitors pharmaceutical compositions thereof and methods of use thereof.

No. of Pages: 78 No. of Claims: 17

(22) Date of filing of Application :30/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DECODING METHOD AND APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04J 13/00 :200910260238.7 :25/12/2009 :China :PCT/CN2010/075298 :20/07/2010 : NA :NA :NA	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)SUN Hao; 2)FENG Liguo;
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure discloses a decoding method and apparatus. The decoding method includes: acquiring a decoding channel IDentity (ID) of a Dedicated Physical Control Channel (DPCCH) and a decoding channel ID of an Enhanced DPCCH (E-DPCCH) of a user according to a user ID of the user; de-mapping Transport Format Combination Indicator (TFCI) symbols in the DPCCH and Enhanced TFCI (E-TFCI) symbols in the E-DPCCH, and storing the de-mapped symbols according to the decoding channel ID; and selecting a symbol queue to be decoded according to priorities of symbol queues of the DPCCH and the E-DPCCH, reading out symbols corresponding to the selected symbol queue from the de-mapped symbols, and decoding the read symbols. The disclosure deals with the decoding of TFCI data in a DPCCH and the decoding of E-TFCI data in an E-DPCCH synchronously and reduces nearly half of the symbol storage space by configuring decoding channel IDs uniformly. Additionally, the disclosure meets the requirements of R6 protocol on the demodulation delay of services.

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

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

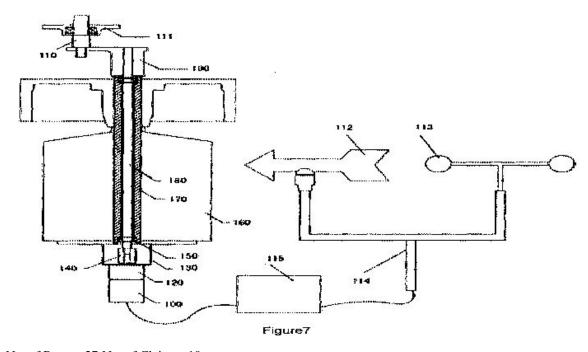
(43) Publication Date: 07/03/2014

# (54) Title of the invention : VERTICAL SHAFT WIND POWER GENERATING SYSTEM AND BLADE ANGLE AUTOMATIC REGULATING DEVICE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:201010022775.0 :14/01/2010 :China :PCT/CN2010/078904 :19/11/2010 :WO 2011/085615 :NA	(71)Name of Applicant: 1)SHANGHAI FANHONG ENVIRONMENTAL PROTECTION TECHNOLOGY DEVELOPMENT CO. LTD. Address of Applicant: Room 601 No. 31 Lane1880 Longyang Road Pudong District Shanghai 201204 China (72)Name of Inventor: 1)XU Zhiwen
11	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A blade angle automatic regulating device includes a rotating frame (4) the outer side of which is pivoted with the back of a blade (1) and the inner side of which is connected to a blade supporting disc (5); a power device coupled with the lower end of an orientation shaft (180) for driving the orientation shaft (180) to rotate; a rotating crankshaft (190) coupled with the upper end of the orientation shaft (180) and rotating with the orientation shaft (180) synchronously; an eccentric shaft (110) arranged in an eccentric position of the rotating crankshaft (190); an eccentric disc (111) sleeved on the eccentric shaft (110) and rotating around the eccentric shaft (110) acting as the central shaft; and a blade pull rod (6) the outer end of which is rotatably connected with the blade (1) and the inner end of which is rotatably connected with the eccentric disc (111). The device can automatically regulate the windward surface of the blade to the optimum position. A vertical shaft wind power generating system including the blade angle automatic regulating device is also disclosed.



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

(22) Date of filing of Application :26/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: WIRELESS POWER TRANSMISSION USING PHASED ARRAY ANTENNAE

(51) International classification: H02J17/00, H01Q21/00, H01Q3/30 (71) Name of Applicant:

(31) Priority Document No :12/645685 (32) Priority Date :23/12/2009

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

(86) International Application :PCT/CA2010/001962

:10/12/2010 Filing Date

(87) International Publication :WO 2011/075819

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

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

1)VICONICS ELECTRONICS INC.

Address of Applicant :9245 Boul. Langelier St Lonard Qubec

H1P 3K9 Canada

(72)Name of Inventor: 1)VIGLIONE Louis

2)MASON Dino 3)PRIMIANI Paolo

### (57) Abstract:

A remote device powering module system and method for providing RF power to an electronic device located in a bounded area. The remote device powering module comprises a phased array antenna and is connected to a source to convert the power to an electric signal and to apply a phase reference to the electrical signal. The electrical signal is shifted with a shifting module and phased array antenna that comprises a plurality of radiating elements generates and transmits RF power via RF waves using the phase reference and the shifted phase. The RF power is then converted by the receiver to direct voltage to be provided to the electronic device.

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

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MAINTAINING PACKET SWITCHED SESSION IN LTE WHEN ESTABLISHING GSM CIRCUIT SWITCHED CALL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04W36/00 :61/287623 :17/12/2009 :U.S.A. :PCT/IB2010/055816 :14/12/2010 :WO 2011/073910 :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)OLSSON Magnus 2)RUNE Gran 3)SYNNERGREN Per 4)WESTERBERG Erik
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A wireless terminal (30) communicates across a wireless interface with a Long Term Evolution (LTE) radio access technology network (22 1) and a circuit switched network (22 2). The wireless terminal (30) establishes a circuit switched call with the circuit switched network (22 2); maintains a packet switched session with the Long Term Evolution (LTE) radio access technology network (22 1) during establishment of the circuit switched call; and multiplexes transmissions of the packet switched session with transmissions of the circuit switched call.

No. of Pages: 47 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ANTI HER2 ANTIBODIES AND COMPOSITIONS

(51) International classification	:C07K16/30,A61K39/00	(71)Name of Applicant:
(31) Priority Document No	:61/310,552	1)SYMPHOGEN A/S
(32) Priority Date	:04/03/2010	Address of Applicant :Elektrovej Building 375 DK 2800 Kgs.
(33) Name of priority country	:U.S.A.	Lyngby Denmark
(86) International Application No	:PCT/IB2011/050903	(72)Name of Inventor:
Filing Date	:03/03/2011	1)PEDERSEN Mikkel Wandahl
(87) International Publication No	:WO 2011/107957	2)JENSEN Allan
(61) Patent of Addition to Application	.NI A	3)MEIJER Per Johan
Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.7624/DELNP/2012 A

#### (57) Abstract:

The present invention relates to novel therapeutic antibodies directed against HER2 (ErbB2) as well as recombinant polyclonal anti HER2 antibody compositions and use of the antibodies and antibody composition for treatment of cancers. The antibody composition comprises at least three recombinant antibodies that bind distinct epitopes of HER2. Two of the antibodies bind to HER2 on the surface of a cell such that they generate a cross linked antibody receptor lattice on the cell surface and thereby result in HER2 receptor internalization. The third antibody in the composition binds HER2 such that it blocks heterodimerization between HER2 and HER3.

No. of Pages: 201 No. of Claims: 42

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ADJUSTING PUMP FLOW AT TOOL

(51) International classification	:B05B12/00,E04F21/12	(71)Name of Applicant:
(31) Priority Document No	:61/315322	1)GRACO MINNESOTA INC.
(32) Priority Date	:18/03/2010	Address of Applicant :88 11th Avenue NE Minneapolis MN
(33) Name of priority country	:U.S.A.	55413 U.S.A.
(86) International Application No	:PCT/US2011/028653	(72)Name of Inventor:
Filing Date	:16/03/2011	1)WROBEL Steve J.
(87) International Publication No	:WO 2011/116084	2)HORNING Jeromy DeLayne
(61) Patent of Addition to Application	:NA	3)GUNDERSEN Robert J.
Number	:NA	4)DALTON James M.
Filing Date	.NA	5)LINS Christopher A.
(62) Divisional to Application Number	:NA	6)KURRE Grant E.
Filing Date	:NA	

### (57) Abstract:

A pump 24 with speed control is utilized. A dispenser 12 may have a trigger 16 which actuates a valve 16. Dispenser control 18 has up and down buttons 20 and 22 respectively. The controls 28 (comprising elements 18 20 and 22) for the pump 24 are remote from pump 24. The controls communicate with the pump via wires or radio frequency (RF) 26 to regulate pump speed. Quick button (20 and 22) presses will incrementally change the flow setting while long button (20 and 22) presses will change the settings at a higher rate. This control method can also be tied to the controls located on the pump 24. The potentiometer 30 on the pump 24 will set a max setting and any adjustments at the valve can go below this setting and back up to it but never exceed it.

No. of Pages: 7 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention : FUEL INJECTOR

(51) International classification :F02M51/06,F02M63/00,F02M61/04

(31) Priority Document No :102010002845.2

(32) Priority Date :15/03/2010 (33) Name of priority :Germany

country (86) International

Application No :PCT/EP2011/051628

Filing Date :04/02/2011

(87) International Publication No :WO 2011/113640

(61) Patent of Addition to
Application Number
Filing Date
(22) Picture 14

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

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

(21) Application No.7626/DELNP/2012 A

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor:

1)RAIN Oliver 2)BEIER Marco

3)ETLENDER Roman

### (57) Abstract:

The invention relates to a fuel injector (10) in particular a common rail injector for injecting fuel into a combustion chamber (11) of an internal combustion engine having an injection valve element (27) that can be displaced between a closed position and an open position opening a nozzle hole arrangement (25) it being possible for the injection valve element (27) to be driven by a magnetic armature assembly (49; 18) via a coupling chamber (70) filled with a pressurized medium. According to the invention provision is made for the magnetic armature assembly (49; 80) to have at least two magnetic armatures (55 55a 55b 56 56a 56b 81 86 92 94 95 97 101 108 108a) which can be moved relative to one another and the end faces (65 65c 66 66c) of which project into the coupling chamber (70).

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: FORMULATIONS AND METHODS FOR NUTRIENT DELIVERY

(51) International classification :A23L1/30,A23L1/305,A61P1/00 (71)Name of Applicant :

(31) Priority Document No :12/711376 (32) Priority Date :24/02/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/026000 No

:24/02/2011 Filing Date

(87) International Publication :WO 2011/106482

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

:NA Number :NA Filing Date

(62) Divisional to Application

(57) Abstract:

1)MEAD JOHNSON NUTRITION COMPANY

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2)GONZALEZ Juan M. 3)TAYLOR Bradley J. 4)MORRIS Kristin L. 5)ANTHONY Joshua C. 6)TUCKER Hugh N.

7)POELS Eduard K.

The present disclosure provides formulations and methods for delivering water soluble and lipid soluble nutrients for preventing or correcting nutrient deficiencies to subjects requiring small volume nutritional support such as preterm infants. The formulations may comprise an emulsion of docosahexaenoic acid (DHA) stabilized by a protein emulsifier such as alpha lactalbumin and may further comprise other valuable nutrients such as arachidonic acid (ARA) arginine glutamine arginyl glutamine dipeptide and/or alanyl glutamine dipeptide. The formulation is useful for example for correcting nutritional deficiencies by increasing a subject s intake of nutrients such as omega 3 or omega 6 long chain polyunsaturated acids proteins peptides vitamins minerals other fatty acids and/or essential amino acids. The nutritional formulation is suitable for enteral delivery and small volume delivery via nasogastric tube intragastric feeding transpyloric administration and/or any other means of administration that result in the introduction of the nutritional formulation into the digestive tract of a subject.

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

(21) Application No.5656/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

### (54) Title of the invention: NON ORIENTED MAGNETIC STEEL SHEET

:21/02/2011

(51) International classification: C22C38/00,C22C38/34,H01F1/16 (71)Name of Applicant:

:NA

(31) Priority Document No :2010039867 (32) Priority Date :25/02/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/053676

No Filing Date

(87) International Publication :WO 2011/105327

(61) Patent of Addition to :NA

**Application Number** Filing Date

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

1)NIPPON STEEL & SUMITOMO METAL

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Address of Applicant :6 1 MARUNOUCHI 2 CHOME

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(72)Name of Inventor:

1)SHIMAZU Takahide 2)HONMA Hotaka 3)KUROSAKI Yousuke

4)MOGI Hisashi

5)KOSUGE Kenji 6)WAKISAKA Takeaki

### (57) Abstract:

Disclosed is a non oriented magnetic steel sheet which contains 0.3 5.3% by mass of Cr 1.5 4% by mass of Si 0.4 3% by mass of Al and 0.0003 0.01% by mass of W. The non oriented magnetic steel sheet has a C content of 0.006% by mass or less an Mn content of 1.5% by mass or less an S content of 0.003% by mass or less and an N content of 0.003% by mass or less and the balance is made up of Fe and unavoidable impurities.

No. of Pages: 30 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONTACT LENSES WITH STABILIZATION FEATURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:17/12/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE INC. Address of Applicant: 7500 Centurion Parkway Jacksonville FL 32256 U.S.A. (72)Name of Inventor: 1)PIERRE GERLIGAND 2)EDGAR V. MENEZES
Filing Date	:NA	

(21) Application No.5479/DELNP/2012 A

#### (57) Abstract:

Stabilized contact lenses have unconventional stabilization zones such as with the bulk of their length lying beneath the horizontal axis of the lens, a differing rate of change of slope (from peak) in one direction relative to the other, and a different height profile above the horizontal axis than below the horizontal axis.

No. of Pages: 37 No. of Claims: 6

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PH SENSITIVE COMPOUNDS IN TASTE MASKING WITHIN ORAL THIN FILM STRIPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A61K47/06,A61K9/14 :61/285301 :10/12/2009 :U.S.A. :PCT/US2010/059851 :10/12/2010 :WO 2011/072208 :NA :NA :NA	(71)Name of Applicant: 1)MonoSol Rx LLC Address of Applicant:6560 Melton Road Portage IN 46368 U.S.A. (72)Name of Inventor: 1)SCHOBEL A. Mark 2)DAVIDSON Kevin 3)MILOSHOFF Laura 4)SANGHVI Pradeep 5)HARIHARAN Madhu
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#### (57) Abstract:

The present invention relates to an edible film dosage form that includes a film forming polymer and a coated active composition capable of taste masking an active contained therein. An edible film that includes an edible water soluble film forming polymer and an active with at least two coating layers is also disclosed.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: 6 SUBSTITUTED ESTRADIOL DERIVATIVES AND METHODS OF USE

(51) International :C07J1/00,A61K31/565,A61P35/00

classification

(31) Priority Document No (32) Priority Date

:12/627874 :30/11/2009

(33) Name of priority country: U.S.A. (86) International Application

:PCT/US2010/058342

:30/11/2010

Filing Date (87) International Publication

:WO 2011/066542

(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)ENDECE LLC.

Address of Applicant: 1001 West Glen Oaks Lane Suite 105 B

Meguon WI 53092 U.S.A. (72)Name of Inventor: 1)YARGER James G.

Disclosed are compounds of the formula (I): where in R1, R2, R3 and R4 are independent ly hydrogen, C1 -C6 alkyl, halo, a sulfate, a glucuronide, -OH, a bulky group, aryl, cycloalkyl, heterocycloalkyl, N (CH2) n; a phosphate group, and a phosphinate group; R9 is hydrogen, halogen or alkyl; R11 i s selected from the group consisting of H, C1 -C6 alkyl, halogen, a sulfate, a glucoronide, - SO2NH2, -COOH, -CN, -CH2CN-, -NHCN-, -CHO, =CHOCH3, -COO salt, -0S02alkyl, -NH2, and -NHCO ( CH2 ) n; R12 is selected from the group consisting of H, a C1 -C6 alkyl, a sulfate, a glucoronide, a bulky group, aryl, cycloalkyl, heteroaryl and heterocycloalkyl; X i s selected from the group consisting of C1 -C12 alkyl, C2 -C12 alkenyl, C2 -C12 alkynyl, halogen, a glucoronide, -NH2, - SO2NH2, -COOH, -CN, -CH2CN, -NHCN, -CHO, -COOsalt, -0S02alkyl, - SH, - SCH3, -CH [ ( CH2 ) nCH3 ] COOCH3, - ( CH2 ) mCOOCH3, - ( CH2 U-O-CH3, - ( CH2 ) m-0- ( CH2 ) nCH3, ( CH2 ) m- S -CH3, - ( CH2 U- S - ( CH2 ) nCH3, - ( CH2 ) m-NH- ( CH2 ) nCH3, -C2 -C8 alkenyl -0- ( CH2 ) nCH3, - C2 -C8 alkenyl - S - ( CH2 ) nCH3, -C2 -C8 alkenyl -N- ( CH2 ) nCH3, -C2 -C8 alkynyl -O- ( CH2 ) nCH3, -C2 -C8 alkynyl - S - ( CH2 ) nCH3, -C2 -C8 alkynyl -N- ( CH2 ) nCH3, - ( CH2 U-OH, - ( CH2 ) m-O-NH2, - ( CH2 ) m- S -NH2, -NH ( CH2 ) mCH3, -NH ( CH2 ) mOCH3, -NH ( CH2 ) mCHOH-COOH, -N ( CH3 ) 2, -(CH2) m (NH) CH2OH, -NHCOOH, - (CH2) mNHCOOH, -NO2, -SCN, -S02alkyl, -B (OH) 2, - (CH2) m N (CH3) - SO2 -NH3, - (CH2) m-NH- SO2-NH2,-NHC (= S) CH3, and -NHNH2; and Y is selected from hydrogen, =0, -OCO(R6) and -OH; wherein m is an integer between 0-20, n is an integer between 0-8, the symbol represents either a single or a double bond capable of forming a keto group at position 3 or 17; and the  $\hat{L}$ /WV symbol represents any type of bond regardless of the stereochemistry; and the respective enantiomers, other stereochemical isomers, hydrates, solvates, tautomers and pharmaceutically acceptable salts of said compounds. The compounds are useful in the treatment of various types of cancer.

No. of Pages: 96 No. of Claims: 26

(21) Application No.5659/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN AIR HEATER FOR AN AIR INLET OF AN ELECTRONIC 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>	:NA :NA :NA :PCT/SE2010/050143 :05/02/2010 :WO 2011/096866 :NA :NA	(71)Name of Applicant:  1)SAAB AB  Address of Applicant: S 581 88 Linkping Sweden (72)Name of Inventor:  1)NILSSON Torbjrn  2)JOSEFSSON Bo  3)BILLMARK Johan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An air heater (1) arranged in an air pipe (8) of an electronic system (10) of a radar antenna wherein the electronic system (10) is mounted on the body of an aircraft (2) and the electronic system (10) is enclosed in a housing (3) with at least one air inlet (4) that is adapted to provide outside air for cooling of the electronic system (10) wherein the air pipe is located between the air inlet (4) and the electronic system (10).

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

(21) Application No.5661/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SUBSTITUTED PYRIDO[2 3 D]PYRIMIDIN 7(8H) ONES AND THERAPEUTIC USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01N43/90 :61/287784 :18/12/2009 :U.S.A. :PCT/US2010/060930 :17/12/2010 :WO 2011/075616 :NA :NA	(71)Name of Applicant:  1)TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION  Address of Applicant: Broad Street And Montgomery Avenue Philadelphia PA 19122 U.S.A. (72)Name of Inventor:  1)REDDY E. Premkumar 2)REDDY M.V. Ramana
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## (57) Abstract:

Compounds useful as antiproliferative agents according to Formula (I) wherein n A R R and Ar are as defined herein and salts thereof; antibody conjugates pharmaceutical compositions methods of treatment and synthetic methods are provided.

No. of Pages: 157 No. of Claims: 61

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A TOLERABLE AND MINIMALLY INVASIVE SKIN ELECTROPORATION 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>	:A61N1/32 :61/309422 :01/03/2010 :U.S.A. :PCT/US2011/026701 :01/03/2011 :WO 2011/109406 :NA :NA :NA	(71)Name of Applicant:  1)INOVIO PHARMACEUTICALS INC.  Address of Applicant: 1787 Sentry Parkway West Building 18 Suite 400 Blue Bell Pennsylvania 19422 U.S.A. (72)Name of Inventor:  1)BRODERICK Kate 2)MCCOY Jay 3)KEMMERRER Stephen V 4)LIN Feng 5)KJEKEN Rune
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#### (57) Abstract:

A novel electroporation device for the delivery of vaccines that is both effective in generating a protective immune response and tolerable delivery to a subject (or near painless); and also methods of using same device to vaccinate a subject against a variety of infectious diseases and types of cancer in a near painless.

No. of Pages: 39 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :03/09/2012

(21) Application No.7657/DELNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: CLASS A PUSH PULL AMPLIFIER

(51) International classification	:H03F3/30	(71)Name of Applicant :
(31) Priority Document No	:1051518	1)DEVIALET
(32) Priority Date	:02/03/2010	Address of Applicant :10 place Vend´me F 75001 Paris France
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No	:PCT/FR2010/050470	1)MORONVALLE Mathias
Filing Date	:16/03/2010	2)CALMEL Pierre Emmanuel
(87) International Publication No	:WO 2011/107670	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a push pull amplifier comprising an input (12) and an output (14) which includes: a main amplification branch comprising two amplification transistors (18 20) connected in opposite series between two supply voltages (V+ V) the amplifier output (14) being connected between the two transistors (18 20) and a control circuit (22 24) for each amplification transistor (18 20) connected to the input (12) to each receive as an input the signal to be amplified. The main amplification branch comprises between each transistor (18 20) and the output (14) a member having a nonlinear response (38 40) and means (30 32) for introducing at the input of the control circuit (22 24) of each transistor (18 20) a nonlinear compensating signal suitable for bringing about the circulation of a minimum current in the member having a nonlinear response (38 40).

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

(21) Application No.7658/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: MOUNTING SYSTEM FOR MEDULLOSCOPY

**Application Number** 

Number :NA Filing Date

(57) Abstract:

(51) International classification: A61B17/17, A61B17/88, A61F2/30 (71) Name of Applicant: (31) Priority Document No :1001573.3 1)UNIVERSITEIT ANTWERPEN (32) Priority Date :01/02/2010 Address of Applicant: Prinsstraat 13 B 2000 Antwerpen (33) Name of priority country: U.K. Belgium (86) International Application (72) Name of Inventor: :PCT/EP2011/051347 No 1)GOVAERS Kristoffel :01/02/2011 Filing Date (87) International Publication :WO 2011/092337 (61) Patent of Addition to :NA :NA Filing Date (62) Divisional to Application :NA

In one aspect the present invention provides a mounting system (40) for instruments for use in medulloscopy. The mounting system (40) comprises a positioning system (41) adapted for being mechanically attached to a bone (10) and at least one instrument holder (45) attached to the positioning system (41) the instrument holder (45) being adapted for holding one or more instruments for being used during bone surgery in a medullary canal. Due to the positioning system (41) which may be mechanically attached to the bone (10) and due to the instrument holder (45) for holding instruments which is attached to the positioning system (41) a surgeon has both hands available for operating on the patient.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: HOT ROLLED STEEL SHEET MANUFACTURING METHOD AND MANUFACTURING DEVICE

(51) International classification:B21B1/26,B21B45/00,B21B45/02 (71)Name of Applicant:

:07/03/2011

(31) Priority Document No :2010054650 (32) Priority Date :11/03/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/055266 No

Filing Date

(87) International Publication :WO 2011/111663

(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 100-8071, Japan

(72)Name of Inventor:

1)TACHIBANA Hisayoshi 2)NAKAGAWA Shigemasa

### (57) Abstract:

Provided are a hot rolled steel sheet manufacturing method and manufacturing device by which a hot rolled steel sheet having excellent surface properties and fine texture can be manufactured. Specifically provided is a hot rolled steel sheet manufacturing method wherein a heating unit a descaling unit a finishing rolling mill line a cooling unit disposed in the finishing rolling mill line and a quenching unit disposed just behind the finishing rolling mill line are used and by controlling the operations of the heating unit the cooling unit and the quenching unit the temperature (T1) of a material to be rolled on the finishing rolling mill line entrance side the temperature (T2) of the material to be rolled on the final stand entrance side of the finishing rolling mill line and the temperature (T3) of the material to be rolled on the quenching unit exit side are controlled. Also provided is a hot rolled steel sheet manufacturing device which is provided with a heating unit a descaling unit a finishing rolling mill line a cooling unit disposed in the finishing rolling mill line a quenching unit disposed just behind the finishing rolling mill line and a control means and controls T1 T2 and T3 by controlling the operations of the heating unit the cooling unit and the quenching unit by the control means.

No. of Pages: 44 No. of Claims: 12

(21) Application No.7661/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: TURBINE INCLUDING SEAL AIR VALVE SYSTEM

(51) International classification:F01D11/06,F01D25/18,F16J15/40 (71)Name of Applicant:

(31) Priority Document No :10161310.7 (32) Priority Date :28/04/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/054929

No :30/03/2011 Filing Date

(87) International Publication :WO 2011/134730

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

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

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen

Germany

(72)Name of Inventor: 1)MILNE Trevor

2)SIDNEY Christopher

# (57) Abstract:

It is described a turbine (1) comprising: a rotor (2); a fluid bearing (31) for rotatably supporting the rotor; an air supply conduit system (45 47) for supplying air towards the fluid bearing; a discharge conduit system (57 59 61 63) for discharging a portion of the supplied air; a control system (67 71) arranged to change an amount of air discharging through the discharge conduit system based on a running condition of the turbine.

No. of Pages: 27 No. of Claims: 15

(21) Application No.7662/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD FOR REPROCESSING THE WORN SURFACE OF GRINDING ROLLERS OF A MATERIAL BED ROLLER MILL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B02C4/30 :10 2010 010 431.0 :05/03/2010 :Germany :PCT/EP2011/053169 :03/03/2011 :WO 2011/107538	(71)Name of Applicant:  1)THYSSENKRUPP POLYSIUS AG  Address of Applicant: Graf Galen Str. 17 59269 Beckum  Germany (72)Name of Inventor:  1)KRIPZAK Bernd 2)PINGEL Herbert
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The method according to the invention for reprocessing the worn surface of grinding rollers (2) of a material bed roller mill comprises the following method steps: a. providing a mobile processing station (6) which is arranged in a container (8) and comprises at least one machine tool (9) and a drive (10) for rotating the grinding roller b. removing the complete roller unit (A) containing the grinding roller to be reprocessed from the material bed roller mill c. positioning the complete roller unit in front on the mobile processing station and coupling the drive to the shaft (1) of the grinding roller d. producing a new cylindrical surface (2h) using the machine tool and e. producing a new wear protection comprising new profiled bodies (2c) and/or build up welding.

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

(21) Application No.7665/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ORAL CARE IMPLEMENT WITH RAPID FLAVOR RELEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:A46B11/00 :61/319692 :31/03/2010 :U.S.A. :PCT/US2011/030720 :31/03/2011 :WO 2011/123642 :NA :NA	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)HOHLBEIN Douglas 2)BROWN James R.
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#### (57) Abstract:

An oral care toothbrush includes a handle having a head at one end of the handle the head having at least one cleaning element. The head has at least one oral care dispenser. The oral care dispenser is configured to release an oral care material within about five seconds when exposed to water at a temperature of about 35 °C to about 40 °C.

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

(19) INDIA

(22) Date of filing of Application :03/09/2012

(21) Application No.7666/DELNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: ORAL CARE IMPLEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A46B11/00 :61/319675 :31/03/2010 :U.S.A. :PCT/US2011/030135 :28/03/2011 :WO 2011/123374	(71)Name of Applicant:  1)COLGATE PALMOLIVE COMPANY Address of Applicant: 300 Park Avenue New York New York 10022 U.S.A. (72)Name of Inventor: 1)LEE David K.
<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 oral care implement having a dispenser containing oral care material and a moisture impermeable barrier. An oral care implement comprising: a handle; a head connected to the handle the head comprising at least one tooth cleaning element extending from a face of the head; a dispenser containing an oral care material positioned on the head the dispenser being degradable when subjected to moisture; a removable barrier attached to the head so as to create a chamber between an inner surface of the removable barrier and a portion of the head the removable barrier being constructed of a moisture impermeable material; and wherein the dispenser is disposed within the chamber.

No. of Pages: 30 No. of Claims: 35

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: PYRAZOLOPYRIDINE PYRAZOLOPYRAZINE PYRAZOLOPYRIMIDINE PYRAZOLOTHIOPHENE AND PYRAZOLOTHIAZOLE COMPOUNDS AS MGLUR4 ALLOSTERIC POTENTIATORS COMPOUNDS AND METHODS OF TREATING NEUROLOGICAL DYSFUNCTION

(51) International classification :A01N43/56,A61K31/415

(31) Priority Document No :61/303481 (32) Priority Date :11/02/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/024618

Filing Date :11/02/2011

(87) International Publication No :WO 2011/100607

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)VANDERBILT UNIVERSITY

Address of Applicant :305 Kirkland Hall Nashville Tennessee

37240 U.S.A.

(72)Name of Inventor:

1)CONN P. Jeffrey 2)LINDSLEY Craig W. 3)HOPKINS Corey R.

4) NISWENDER Colleen M. 5)GOGLIOTTI Rocco D.

6)SALOVICH James M.

7) ENGERS Darren W. 8) CHEUNG Yiu Yin

## (57) Abstract:

Pyrazolopyridine pyrazolopyrazine pyrazolopyrimidine pyrazolothiophene and pyrazolothiazole compounds which are useful as allosteric potentiators/positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4); synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of using the compounds for example in treating neurological and psychiatric disorders or other disease state associated with glutamate dysfunction.

No. of Pages: 123 No. of Claims: 92

(22) Date of filing of Application :03/09/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A NOVEL METHOD FOR DELIVERY AND USE OF ISOTHIOCYANATES FOR PROPHYLAXIS AND/OR THERAPY OF BLADDER CANCER

(51) International classification :A61K36/31,A61K9/16,A61K9/20 (71)Name of Applicant : (31) Priority Document No :61/313004 1)HEALTH RESEARCH INC (32) Priority Date Address of Applicant :Elm and Carlton Streets Buffalo NY :11/03/2010 (33) Name of priority country :U.S.A. 14263 U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2011/028076 1)ZHANG Yuesheng :11/03/2011 Filing Date 2)BHATTACHARYA Arup (87) International Publication 3)TANG Li :WO 2011/112919 No 4)LI Yun (61) Patent of Addition to 5)PAONESSA Joseph D. :NA **Application Number** 6)GENG Feng :NA Filing Date 7)DING Yi (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

Provided is a composition that contains a mixture of brocolli seed and mustard seed. Before mixning the brocolli seed with the mustard seed the broccoli seed is subjected to baking and a pressurized heat treatment. The broccolli seed is baked at a temperature of at least 200 degrees Fahrenheit for at least 60 minutes and is subjected to a pressurized heat treatment of at least 200 degrees Fahrenheit at a pressure of at least 10 pounds/square inch for at least 5 minutes. Also provided is a method for therapy and/or prophylaxis of bladder cancer in an individual The method entails administering orally to the individual a composition that contains an isothiocyanate (ITC) such that the administration inhibits the growth and/or recurrence of bladder cancer.

No. of Pages: 31 No. of Claims: 15

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IN WHEEL MOTOR DRIVE APPARATUS AND METHOD FOR DESIGNING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02K9/19,B60K7/00,H02K21/14 :2010047708 :04/03/2010	(71)Name of Applicant:  1)NTN CORPORATION  Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5500003 Japan
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2011/054465 :28/02/2011 :WO 2011/108479	(72)Name of Inventor: 1)OZAKI Takayoshi 2)OKADA Koichi 3)MAKINO Yusuke
<ul> <li>(61) Patent of Addition to</li> <li>Application Number     <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number     <ul> <li>Filing Date</li> </ul> </li> </ul>	:NA :NA :NA :NA	

## (57) Abstract:

Disclosed is an in-wheel motor drive device that can easily dissipate motor heat externally, providing excellent motor cooling performance. In a low RPM range (L) in which the motor (B) produces maximum torque, and also in a highoutput range (LH) in which the motor produces at least 50% of said maximum torque, at least 50% of the losses fixing the motor (B), comprising winding and core losses, occur in the stator of the motor. The motor (B) has a coolant channel (45) which uses a liquid coolant to cool the stator (23) and a coil section (28). Winding losses constitute at least 25% of the losses from the motor (B).

No. of Pages: 23 No. of Claims: 7

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: WHITE LIGHT EMITTING DIODE (LED) LIGHTING DEVICE DRIVEN BY PULSE CURRENT

(51) International classification :H01L33/50,C09K9/00,C09K11/00

:WO 2011/109977

(31) Priority Document No :201010123249.3 (32) Priority Date :12/03/2010

(33) Name of priority country :China

(86) International Application :PCT/CN2010/075145

No PC

Filing Date :14/07/2010

(87) International Publication

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to Application Number :NA :NA

Filing Date (57) Abstract :

(71)Name of Applicant:

1)SICHUAN SUNFOR LIGHT CO. LTD

Address of Applicant :No. 2 Xinda Road Hi tec (West) Zone

Chengdu Sichuan 611731 China

(72)Name of Inventor: 1)ZHANG Ming

2)ZHAO Kun

3)LI Dongming

A white LED lighting device is driven by a pulse current which consists of blue violet or ultraviolet LED chips blue afterglow luminescence materials A and yellow luminescence materials B. Wherein the weight ratio of blue afterglow luminescence materials A to yellow luminescence materials B is 10 70wt%:30 90wt%. The LED chips of the white LED lighting device are driven by the pulse current. The frequency of the pulse current is not less than 50Hz. Because of using afterglow luminescence materials the light can be sustained when excitation light disappears which can eliminate the influence of LED light output variation due to current fluctuation on the illumination. At the same time the pulse current can make the LED chips at an intermittent work state in order to eliminate the problem of chips heating.

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

(22) Date of filing of Application :03/09/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: WHITE LIGHT EMITTING DIODE (LED) LIGHTING DEVICE

(51) International :H01L33/50,C09K9/00,C09K11/00

classification

(31) Priority Document No :201010123249.3 :12/03/2010 (32) Priority Date (33) Name of priority country :China

(86) International Application :PCT/CN2010/075081

No :09/07/2010 Filing Date

(87) International Publication :WO 2011/109975

No

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

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

(71)Name of Applicant:

1)SICHUAN SUNFOR LIGHT CO. LTD

Address of Applicant :No. 2 Xinda Road Hi tec (West) Zone

Chengdu Sichuan 611731 China

(72)Name of Inventor: 1)ZHANG Ming

2)ZHAO Kun 3)LI Dongming

(57) Abstract:

An alternating current (AC) white LED lighting device and the manufacture method thereof are provided. The AC white LED lighting device consists of blue violet or ultraviolet LED chips blue afterglow luminescence materials A and yellow luminescence materials B. Wherein the weight ratio of the blue afterglow luminescence materials A to the yellow luminescence materials B is 10 70wt%:30 90wt%. Because of using afterglow luminescence materials the light will be sustained when excitation light disappears which can eliminate the influence of LED chips light output variation due to alternating current fluctuation on the illumination device. And the problem of the heating of the chips also can be overcome. At the same time the influence of temperature quenching effect and direction change of AC current on the AC white LED lighting device is eliminated.

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

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: GENERATION OF A MODIFIED 3D IMAGE OF AN OBJECT COMPRISING TOOL MARKS

(51) International :G01B21/20,F41A31/00,F42B35/00 classification

(31) Priority Document No :61/322041 :08/04/2010 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2011/000382

No :06/04/2011 Filing Date

(87) International Publication :WO 2011/123944

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)FORENSIC TECHNOLOGY WAI INC.

Address of Applicant :Suite 200 5757 blvd Cavendish Montral

Oubec H4W 2W8 Canada (72)Name of Inventor: 1)BEAUCHAMP Alain 2)ROBERGE Danny

3)PERRON Beno®t

There is provided a method for generating a 3D representation of an object comprising: acquiring 3D topographic data representative of at least one portion of the object having a macroscopic form and microscopic features; separating the 3D topographic data into microscopic data representative of the microscopic features and macroscopic data representative of the macroscopic form; independently scaling one of the microscopic data and the macroscopic data in order to enhance the microscopic features with respect to the macroscopic form thereby obtaining scaled topographic data; and generating a 3D image using the scaled topographic data thereby obtaining a modified representation having enhanced microscopic features for the at least one portion of the object.

No. of Pages: 43 No. of Claims: 19

(21) Application No.7568/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: MODULATORS OF HEC1 ACTIVITY AND METHODS THEREFOR

(51) International :C07D417/12,C07D277/38,C07D417/14 classification

:61/314798

(31) Priority Document

:17/03/2010 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/028532 Application No :15/03/2011

Filing Date

(87) International :WO 2011/115998 **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)TAIVEX THERAPEUTICS INC.

Address of Applicant :4F 51 Sec. 2 Chung Ching South Road

Taipei Taiwan China

(72)Name of Inventor:

1)LAU Johnson

2)HUANG Jiann Jyh

#### (57) Abstract:

Compounds compositions and methods for modulation of Hecl/Nek2 interaction are provided. Especially preferred compounds disrupt Nck2/Hecl binding and are therefore useful as chemotherapeutic agent for neoplastic diseases.

No. of Pages: 120 No. of Claims: 20

(21) Application No.7569/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TREATMENT OF DRIED CHICORY

<ul> <li>(51) International 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> </ul>	:A23F5/44,A23L1/015,A23B7/01 :NA :NA :NA :PCT/EP2010/052925 :08/03/2010 :WO 2011/110214 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)LABRUNIE Thierry  2)KILCHHERR Sylvain  3)DUFFEY Jean Louis  4)MATHYS Alexander  5)PALZER Stephan  6)THEURILLAT MORITZ Viviane Andre Claude
Application Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a method of treatment of chicory which comprises a step of soaking non roasted dried chicory pieces with an aqueous solution comprising divalent cations.

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

(21) Application No.5740/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: INSECTICIDAL COMBINATION

(51) International :A01N43/76,A01N43/90,A01P7/02

classification
(31) Priority Document No
:A01N43/70,A01N43/90,
:10151952.8

(31) Priority Document No :10151952.8 (32) Priority Date :28/01/2010 (33) Name of priority country :EPO

(95) International Application

(86) International Application :PCT/EP2011/050911

Filing Date :24/01/2011

(87) International Publication :WO 2011/092141

No :

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

(62) Divisional to Application
Number
:NA

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel

Switzerland

2)KYOYU AGRI COMPANY LTD.

(72)Name of Inventor:

1)TANJI Isao 2)SUGII Shinji

3)MORIMOTO Teruichi

A method of controlling or preventing damage to a plant which comprises applying to the plant part of a plant plant organ and/or plant propagation material thereof or surrounding area thereof thereof a combination comprising (I) abamectin and (II) etoxazole in any desired sequence or simultaneously.

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

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ELEVATOR SYSTEM BELT HAVING CONNECTING DEVICES ATTACHED THERETO

(51) International classification :B66B7/06,B66B11/08,H02G11/00

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/IB2010/000255

No Filing Date :10/02/2010

(87) International Publication :WO 2011/098847

(61) Patent of Addition to
Application Number

NA

Filing Date

(62) Divisional to Application
Number
:NA
:NA

(71)Name of Applicant:

1)OTIS ELEVATOR COMPANY

Address of Applicant :Ten Farm Springs Road Farmington CT

06032 2568 U.S.A. (72)Name of Inventor :

1)NOLTING Reinhard 2)DICKINSON Marc S. 3)ORELUP Mark F.

#### (57) Abstract:

Filing Date

An assembly comprising (a) a belt which includes a plurality of wire cords extending lengthwise of the belt with spaces therebetween and includes a coating of the cords extending into the spaces between the cords said belt being configured for use in an elevator system as a suspension belt for a car and a counterweight or being configured for use in an elevator system as a drive belt for a car or for a counterweight or being configured for use in an elevator system as a combined suspension and drive belt for a car and a counterweight; (b) a first connecting device including a first number of cord contacting elements providing electrical connections contacting element to cord; and (c) a second connecting device including a second number of cord contacting elements providing electrical connections contacting element to cord and including at least two conductive elements each being electrically connected to a respective one of the cord contacting elements the conductive elements being provided for making electrical connections to a belt monitoring unit which monitors the proper condition of the cords on the basis of electrical signals passed through the cords; (d) wherein at least one of the first and second connecting devices includes at least one bridge type cord contacting element which extends into the gap between two cords and provides electrical connection to both cords thereby electrically connecting the two cords.

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

(10) DIDIA

(21) Application No.7584/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CELL BASED DATA TRANSFER WITH DYNAMIC MULTI PATH ROUTING IN A FULL MESH NETWORK WITHOUT CENTRAL CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04L12/56,H04J3/06 :10003 791.0 :08/04/2010 :EPO :PCT/EP2011/001771 :08/04/2011 :WO 2011/124392 :NA	(71)Name of Applicant:  1)VAD SZ Istv;n  Address of Applicant: Curd J <sup>1</sup> / <sub>4</sub> rgen Str. 4 81739 Munich  Germany (72)Name of Inventor:  1)VAD SZ Istv;n
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to computing apparatus as an element of a network structure using a method for acquiring and maintaining cell locked data transfer amongst a number of computing apparatuses which can be full mesh interconnected by full duplex data transfer links. A predefined number of symbols transmitted as a cell is followed by a variable number of idle symbols to ensure the nominally simultaneous start of the cell transfers throughout the network without a central control. At specific positions of the cells each computing apparatus broadcasts a list of its transmission requests and receiver capabilities to all other computing apparatuses. Each of the interconnected computing apparatuses executes the same arbitration procedure based on the identical data set of transmission requests and receiver capabilities. As a result transmission paths are assigned for direct transmission and for payload forwarding. The transmission paths can be assigned per cell period individually for both directions of each link. Several packet protocols assigned over the cell transmission layer can coexist in the network.

No. of Pages: 112 No. of Claims: 23

(22) Date of filing of Application :19/01/2009 (43) Publication Date : 07/03/2014

# (54) Title of the invention: GUM GHATTI A NOVEL CARRIER FOR MATRIX TABLET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K9/00, A2311/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)PATIDAR VIDYASAGAR  Address of Applicant:BRNSS CONTRACT RESEARCH CENTER C/O B R NAHATA COLLEGE OF PHARMACY, P.O. BOX NO. 6, MHOW NEEMUCH ROAD, MANDSAUR Madhya Pradesh India  2)SHARMA DINESH KUMAR  3)CHATAP VIVEKANAD KISHAN  4)GUPTA VIPIN BIHARI 5)MALIWAL DEEPIKA (72)Name of Inventor:  1)PATIDAR VIDYASAGAR  2)SHARMA DINESH KUMAR 3)CHATAP VIVEKANAND KISHAN 4)GUPTA VIPIN BIHARI 5)MALIWAL DEEPIKA
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#### (57) Abstract:

Abstract of Invention: (Not applicable in case of provisional specification. Separate sheet to be used for this column) The investigation was accomplished to increase therapeutic efficacy, to reduce frequency of administration and to improve patient compliance by developing controlled release matrix tablets of Diclofenac sodium (as a model drug). Matrix tablets of Diclofenac sodium were developed by using different polymer ratios ranging for 5% to 55%. Gum Ghatti was used as matrix former and MCC was used as diluent. The tablets of average weigh of 600 mg were prepared using eight-station rotary tablet machine (Cadntach, Ahmedabad). Compressed tablets were evaluated for different post compression parameters. Among all formulations, formulation containing Gum Ghatti at 25% concentration showed sustained release of drug for 12 hours with cumulative release 79%. Note: - Strikeout whichever is not applicable.

No. of Pages: 7 No. of Claims: 3

(22) Date of filing of Application :25/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A SYSTEM AND METHOD FOR PHASE FAILURE DETECTION

	:H02M	(71)Name of Applicant :
(51) International classification	1/32	1)EMERSON NETWORK POWER(I) PVT. LTD
(31) Priority Document No	:NA	Address of Applicant :PLOT NO.C-20,ROAD
(32) Priority Date	:NA	NO.19, WAGLE INDUSTRIAL ESTATE, THANE(W)-400604,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANCHAMPURAYIL VIJAYAN
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and a method for phase failure detection and on-load transfer of power from a connected power source to an alternative power source for facilitating uninterrupted power supply to a load is disclosed. The system includes at least two input power sources, at least one switching device, a high speed sampling and conversion module, a digital Phase Locked Loop (PLL) module, a synched reference module, a slope detection module, a sub cycle Root Mean Square (RMS) computation module and a failure detection and transfer module. The failure detection and transfer module receives an output from each of the synched reference module, the slope detection module and the sub cycle RMS computation module and further analyzes the health status of the connected power source. The failure detection and transfer module includes a controller for implementing a pre-determined transfer logic.

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

(22) Date of filing of Application :05/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ISOTHERMAL & ISOCHORIC (I2) SOLAR COLLECTOR TUBE

(51) International classification	:F24J 2/24, F24J Address of Applicant: CF24J 2/51 DIS:- YAVATMAL, . Maharashtra India
(31) Priority Document No	:NA (72)Name of Inventor :
(32) Priority Date	:NA 1)BHUSHAN S. NILAWAR
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
(57) A1	·

### (57) Abstract:

Designing this tube is to maintain internal temperature of tube require for heat exchange fluid. Tube can be evacuated on non-evacuated. The gas is hydrophobic is maintain high constant (isochoric) pressurized by manual or automatic. This is isovolumetric process due to constant volume of the tube. Along with the pressurized gas, super saturated fluid (absorber liquid) lies at bottom, This liquid absorbs radiation energy during day & release absorbs heat at night. At night due to convection; pressurizes gas release it internal energy on tube which contain heat exchange fluid. Super saturated fluid (absorber liquid) also releases its internal heat energy at night (fig. no.l.). 12 heat fluid cycle is invented which work on two type of energy first phase of cycle start with incident solar radiation energy. While second phase start work on the basis of internal energy of super saturated fluid & pressurized gas. 12 heat cycle help for production of continuous, heat of fluid. This innovation used in generating solar water heater, boiler, electricity or other use for 24 hour.

(22) Date of filing of Application :15/04/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ROOM TEMPERATURE SENSOR BASED ON N-NIFE2O4/P-POLYANILINE HETEROJUCTION FOR LIQUEFIED PETRLEUM GAS (LPG) DETECTION.

(51) International classification	:B63B27/24	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PROF. CHANDRAKANT DNYANDEV LOKHANDE
(32) Priority Date	:NA	Address of Applicant :THIN FILM PHYSICS
(33) Name of priority country	:NA	LABORATORY, DEPARTMENT OF PHYSICS, SHIVAJI
(86) International Application No	:NA	UNIVERSITY, KOLHAPUR 416 004 Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PROF. CHANDRAKANT DNYANDEV LOKHANDE
(61) Patent of Addition to Application Number	:NA	2)MR. VINAYAK SHIVAJIRAO JAMADADE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In the present investigation, the room temperature sensor based on n-NiFe2O4/p-polyaniline heterojunction have been successfully fabricated using simple inexpensive chemical and electrochemical deposition methods for liquefied petroleum gas (LPG) detection. The heterojunction was made-up by electrochemical anodization of aniline on to chemically deposited nanoflakes like structured NiFe2O4 film substrate. Morphological analysis using field-emission scanning electron microscopy (FESEM) of the junction cross-section revealed the formation of a diffusion-free interface. The n-NiFe2O4p-polyaniline heterojunction based sensor showed the maximum response of 73 % upon exposure to 1040 ppm LPG at room temperature.

(22) Date of filing of Application :15/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD AND A SYSTEM FOR ALLOCATING TICKET INVENTORY ON BUYER SIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q30/00, G06Q10/02 :NA :NA	(71)Name of Applicant:  1)Ticket Utils Inc.  Address of Applicant: 250 Pehle Ave Suite 006 Saddle Brook NJ 07663 U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)Brian Hampel 2)Muktak Joshi
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method for allocating ticket inventory on a buyer<sup>TM</sup>s side. The method includes steps of, loading, the webpage, providing a map, checking compatibility of map, initializing plug-in, and mapping seats. Further, the map is represented with respective tickets with location, quantity and amount on the webpage. Moreover, the ticket list with triggering onInit is generated on the webpage or an existing external tabular ticket list is controlled by the plugin thereby loading the map completely with corresponding ticket inventory matching respective portions on map simultaneously while loading the webpage on the buyer<sup>TM</sup>s device thereby enabling the buyer to select desired seating section.

(22) Date of filing of Application :17/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A INTERACTIVE SYSTEM THAT HELPS A USER TO IMPROVE HIS SEARCH, ARCHIVE AND CREATE CHAINS OF THE SEARCH RESULTS AS WELL AS OTHER COMMUNICATION.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	G06F 17/30 :NA	Address of Applicant :FLAT NO. 1001, 1101, RAWTANI
(32) Priority Date	:NA	GARDENS, PLOT 733, 9TH RD., OPP. SAI BABA TEMPLE,
(33) Name of priority country	:NA	KHAR (W), MUMBAI - 400 052, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GAUTAM DHARAMDAS GORADIA
(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 interactive system is provided, which according to one embodiment comprises a search engine that helps a user improve his search, a processor and includes a plurality of means for taking several next steps with the search results. Another embodiment of the system helps a user in archiving and creating chains of the said search results as well as other communication including but not limited to updates/activities from social networking websites (Notifications/Updates from social networking websites like Twitter, Facebook, MySpace, Linkedln and the like), VoIP (Voice over Internet Protocol) calls, IM (Instant Messaging) conversations (Skype, Google Talk, ICQ etc.), E-mails, Mobile Communication (SMS, MMS), Web Meetings, and RSS/Atom Feeds, and such present or future forms of communication that are available, or may be available at any time in the future, on a computer system, mobile device, or on a communications site which may encompass one or more Websites, Networks, Blogs/Forums, Intranets, WAP (Wireless Application Protocol) portals, Clouds, and such present or future technologies that are available, or may be available at any time in the future.

(22) Date of filing of Application :25/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A SYSTEM AND METHOD FOR DATA ENTRY FROM MOBILE DEVICES USING ROBUST ACOUSTIC COMMUNICATION

(51) International classification	:G10L 15/00 :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)TATA Consultancy Services Limited</li> <li>Address of Applicant: Nirmal Building 9th Floor Nariman</li> </ul>
•	:NA	Point Mumbai 400021 MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Balamuralidhar Pursuhothaman
Filing Date	:NA	2)Rahul Sinha
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a system and method for data entry from one mobile device to another using robust acoustic communication for one or more utility purpose. Atransmitting device transmits data to a receiving device over upper audio band in an encrypted form for secure data transmission. The data to be transmitted is tagged with an identity. At the receiving end the data is decrypted and the identity of the received and transmitted data is matched. The identity once being matched the received data is further processed for data entry and is further used for one or more utility purpose.

(22) Date of filing of Application :18/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NON INTRUSIVE SYSTEM & METHOD FOR REAL TIME TRANSACTIONAL DATA CAPTURE

:G06F	(71)Name of Applicant:
17/00G06F	1)MAHALE ANANT DAMODAR
7/00	Address of Applicant :701 CASSIA, ZIRCON, VIMAN
:NA	NAGAR, PUNE 14 Maharashtra India
:NA	2)MAYEKAR UNMESH SHRIKANT
:NA	(72)Name of Inventor:
:NA	1)MAHALE ANANT DAMODAR
:NA	2)MAYEKAR UNMESH SHRIKANT
: NA	
:NA	
:NA	
:NA	
:NA	
	17/00G06F 7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA

### (57) Abstract:

The invention described here relates to an automated system and method to extract selective information from a store receipt and/or to insert selective information into a store receipt in real time without altering the existing store level transaction processing system and process. Since data capture and insertion can be accomplished without replacing or interfering with the existing systems in the store, this technology serves as the foundation to deliver all of the above capabilities within a single solution. Further, it allows retailers to gain revenue by offering space on their receipts to print customized advertisements for other businesses.

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: A PROCESS FOR ISOLATION OF ALFUZOSIN HYDROCHLORIDE

	:C07D	(71)Name of Applicant :
(51) International classification	405/12,	1)EMCURE PHARMACEUTICALS LIMITED
	C07D405/02	Address of Applicant :EMCURE HOUSE, T-184, M.I.D.C.,
(31) Priority Document No	:NA	BHOSARI, PUNE-411026, MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GURJAR MUKUND KESHAV
(86) International Application No	:NA	2)MAIKAP GOLAKCHANDRA SUDHARSHAN
Filing Date	:NA	3)KHAIRNAR PRAVINKUMAR KALIDAS
(87) International Publication No	:N/A	4)CHANDEKAR DATTATRAY CHANDRAKANT
(61) Patent of Addition to Application Number	:NA	5)MEHTA SAMIT SATISH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process for preparation of alfuzosin hydrochloride comprising, coupling of NI-(4- amino-6,7-dimethoxyquinazol-2-yl)-N 1 - methylpropylenediamine (II) with tetrahydrofuronic acid in an organic solvent, further, organic layer was treated with aqueous solution of organic acid and followed by concentration of the reaction mixture, and isolating alfuzosin hydrochloride free from N-alkylated impurities after treating with hydrochloric acid.

(21) Application No.1888/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: LABEL DISPLAY HOLDER

(51) International classification :G09 (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	F3/20 (71)Name of Applicant: 1)Nandkishore Karekar Address of Applicant: 6 Cubillo Street Wanguri NT 0810 Australia 2)Aanisha Karekar (72)Name of Inventor: 1)Nandkishore Karekar 2)Aanisha Karekar
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## (57) Abstract:

The disclosed label display an example of a label holder with an open top/side which forms a pocket opening area 3 and pocket wall 2 which is made to fit rergistration label firmly for display for traffic authority to view when needed. To prevent unintentional removal of the registration label/s opening top/side area 3 has a narrow opening. Label/s can be removed from the label holder by pushing upward by new label at the cut 1 at the bottom edge of the pocket wall 2 or can be removed by plucker from the top narrow opening. The invention consist of label holder glued to the vehicle glass window by the edges 4 from the inside of the vehicle to hold valid registration labels for the traffic authority to view.

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :10/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HEAT-TRAP FOR A MORE EFFICIENT HEAT-SINK

	:F24J2/04,	(71)Name of Applicant:
(51) International classification	F24J2/00,	1)PADAMSEE RIAZ
(- ,	F24J2/40,	Address of Applicant :PARMAR GALLERY,4TH FLOOR,
	F24J2/34	JAGTAP CHOWK, SHIVARKAR RD., WANOWRIE, PUNE-
(31) Priority Document No	:NA	411040, MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)PADAMSEE RIAZ
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:2399/MUM/2009	
Filed on	:14/10/2009	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.2291/MUM/2012 A

### (57) Abstract:

(19) INDIA

A Heat-Trap configured as a heat-sink made of aluminum alloy, wherein the metal of said heat sink is optimally compacted for obtaining better thermal conductivity of said heat-sink. The Heat-Trap is configured as the heat transfer surfaces of refrigerator or fins in computer hardware or as the base of a pressure cooker, comprising a grid-like configuration having thicker areas for a supporting skeleton and having thinner areas for the remaining shortened heat path, wherein the metal of the Heat-Trap is compacted by cold Working on a hydraulic or impact press, thereby forming by die-embossing said grid-like configuration for keeping the optimum compaction of base thickness. The optimum compaction is carried out in the range of 5 to 15%. The effective electrical and thermal conductance of the Heat-Trap is increased by up to 40% and the effective tensile strength is increased by up to 30%.

(22) Date of filing of Application :07/08/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : IMPROVED PROCESSES FOR THE PREPARATION OF IMATINIB AND NOVEL CRYSTALLINE FORM THEREOF

(51) International classification		(71)Name of Applicant:
(-,	A61K31/505	1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :ZYDUS TOWER, SATELLITE
(32) Priority Date	:NA	CROSS ROAD, AHMEDABAD-380 015, GUJARAT, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)CHARAN, GANPAT DAN SHIMBHU
Filing Date	:NA	2)VASAVA, CHETAN, JAYANTIBHAI
(87) International Publication No	: NA	3)NARODE, SUNIL, DNYANESHWAR
(61) Patent of Addition to Application Number	:NA	4)SINGH, KUMAR KAMLESH, LAXMI
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 Imatinib or Imatinib Mesylate alpha form. The present invention also disclosed the new crystalline form of Imatinib base and process for the preparation of Imatinib base or Imatinib Mesylate which is free from genotoxic impurity of formula III.

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AN OPERATING MECHANISM FOR RETARDING THE SPEED OF A DRIVING SHAFT OF AN OFF-ROAD VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B60T1/093, B60K17/10, B60T8/00, B60T1/1 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LTD  Address of Applicant: GATEWAY BUILDING, APOLLO BUNDER, MUMBAI-400001, MAHARASHTRA, INDIA. (72)Name of Inventor:  1)GILL SANJAY  2)KADIAM SRINIVASA RAO VEERA VENKATA 3)RANGARAJAN NAVEEN  4)SIVASANKARAN BHARATH KUMAR 5)JANARTHANAN DEVAKUMARA RAJA 6)PHILLIPS CECIL ROBINSON
Filing Date	:NA	U)I IIIEEII S CECIE ROBINSON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An operating mechanism for retarding the speed of a driving shaft of an off-road vehicle. The vehicle comprises a driving shaft (102) disposed within a clutch housing (100) and arranged within a driving shaft retainer (146) in spaced apart relationship. The driving shaft retainer has a flange (148) attached to its one end that is stably held within the clutch housing. The clutch housing includes a clutch rail (124) operatively connected to a clutch pedal (130) and angularly rotatable in a first direction when the clutch pedal is depressed by an operator and in a second direction when the clutch pedal is released by the operator. The operating mechanism (104) comprises a rotatable disc (134) insertable over the driving shaft and positioned at a distance from the flange. The rotatable disc is rigidly attached to the driving shaft and is rotatable at the driving shaft speed when the driving shaft is driven by an engine power. A sleeve member (152) is inserted over the driving shaft in spaced apart relationship and fastened to the clutch housing. A stopper (162) having a planar body extends between a disc facing surface and a flange facing surface and includes a central opening (168). The stopper is engageably insertable over the sleeve member through the central opening and is slidable over the sleeve member from a deactuating position to an actuating position. The stopper engages an opposing surface of the rotatable disc to exert a retarding force thereupon in the actuating position and the stopper disengages from the opposing surface of the rotatable disc in the deactuating position. An actuating assembly (178) is operatively connected between the flange facing surface of the rotatable disc and the clutch rail. The actuating assembly allows the stopper to be disposed in the actuating position when the clutch rail is rotated in the first direction and also allows the stopper to be disposed in the deactuating position when the clutch rail is rotated in the second direction. Because of the rotational motion of the driving shaft decreasing upon actuation of the clutch pedal, the noise generated when the second end (114) of the driving shaft couples with a plurality of gears (118) at the second end (114) of the driving shaft, is reduced significantly. Reduced noise levels during gear change helps in providing the operator a better and comfortable driving experience. Further, the possibility of wear and tear is reduced ensuring smooth operation over a long period of time and improving reliability and reducing cost.

(21) Application No.2355/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED PROCESS FOR MANUFACTURE OF RACTOPAMINE HYDROCHLORIDE

(51) International classification	:C07C (71)Name of Applicant: 215/60, 1)ATRA PHARMACEUTICAL LIMITED Address of Applicant:H-19, MIDC, WALUJ, 213/02 AURANGABAD 431133, MAHARASHTRA, INDIA.	
(31) Priority Document No	:NA (72)Name of Inventor:	
(32) Priority Date	:NA 1)NADIKUDURU, SATISH KUMAR	
(33) Name of priority country	:NA 2)PATIL, BRIJALAL SANTOSH	
(86) International Application No	:NA 3)GHAN, JIVAN BHALCHANDRA	
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention discloses an improved, one pot commercially viable process for the manufacture of highly pure Ractopamine hydrochloride of Formula (I) and pharmaceutically acceptable salts thereof.

(19) INDIA

(22) Date of filing of Application :10/05/2011

(21) Application No.1436/MUM/2011 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: REEVEDA

	·A61K	(71)Name of Applicant:
(51) International classification	33/00	1)DESHPANDE, ARUN
(31) Priority Document No	:NA	Address of Applicant :C/O. PRATHISH PRABHAKARAN
(32) Priority Date	:NA	CONSULTA JURIS, HIRA BUILDING, 17/19 MINT ROAD,
(33) Name of priority country	:NA	OPP. GPO, MUMBAI-400 001. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DESHPANDE, ARUN
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention is a nutritional supplement for the treatment of osteoporosis and/or osteoarthritic conditions

(22) Date of filing of Application :18/05/2011 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ULTRASOUND ASSISTED PROCESS FOR SYNTHESIS OF CHALCONE.

(51) International classification	:A61K	(71)Name of Applicant:
(51) international classification	8/92	1)GANAPATI S.SHANKARLING
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF DYESTUFF
(32) Priority Date	:NA	TECHNOLOGY, INSTITUTE OF CHEMICAL
(33) Name of priority country	:NA	TECHNOLOGY,(UNIVERSITY UNDER SECTION 3 OF UGC
(86) International Application No	:NA	ACT 1956), NATHALAL PARIKH MARG, MUMBAI-
Filing Date	:NA	400019,MAHARASHTRA, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)GANAPATI S.SHANKARLING
Filing Date	:NA	2)KRISHNA J JARAG
(62) Divisional to Application Number	:NA	3)DIPAK V.PINJARI
Filing Date	:NA	4)ANIRUDDHA B.PANDIT

### (57) Abstract:

The present invention discloses a energy efficient process for the synthesis of chalcone derivatives by using ultrasound energy. Chalcone was successfully synthesized at room temperature by conventional (NUS) and sonochemical method (US). Detailed structural characterizations demonstrate that the US synthesized chalcones, which was synthesized in 10 min, are more stable and lower in particle size than the NUS synthesized chalcone. Sonochemical synthesis (US) method has saved substantial energy (more than 88%) for the synthesis of chalcone. Thus, the sonochemical synthesis technique is fast, simple, convenient, time saving, economical, and environmentally benign method of chalcone synthesis. This method promises a future iargescale synthesis for many organic intermediates. In view of the above, it can be seen that several advantages of the invention are achieved and other advantageous results are attained. As various changes could be made in the above methods and compositions without departing from the scope of invention, it is intended that all matter contained in the above description shall be interpreted as illustrative and not in limiting sense.

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : POLYMER PIEZORESISTIVE MICROCANTILEVER CO SENSOR AND METHOD OF MAKING THE SAME

	·G01N27/16	(71)Name of Applicant:
(51) International classification	G01N27/12	1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY
(31) Priority Document No	:NA	Address of Applicant :POWAI, MUMBAI 400076,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)REDDY CHALLA VIJAYA BHASKAR
Filing Date	:NA	2)KHADERBAD ABHIJITH MRUNAL
(87) International Publication No	:N/A	3)RAO VALIPE RAMGOPAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Polymer piezoresistive microcantilever CO sensor and method of making the same. The CO sensor (1) comprises a cantilever (2) extending from a base (3) and having contacts (4) at the top thereof. The cantilever further comprises a coating of Fe(III) porphyrin (5, 10, 15, 20-tetra(4,5-dimethylphenyl)-21H, 23H- porphyrin iron (III) chloride) at the top thereof (5) and a CO disorbent material coating at the bottom thereof (6). The method comprises fabricating a cantilever extending from a base and having contacts at the top thereof; and applying a coating of Fe(III) porphyrin (5, 10, 15, 20-tetra(4,5-dimethylphenyl)-21H, 23H- porphyrin iron (III) chloride at the top of the cantilever and a coating of CO disorbent material at the back of the cantilever. The coated cantilever is allowed to dry at atmospheric conditions. The CO sensor has high sensitivity and selectivity and fast response towards CO in real world conditions. It is simple and easy to fabricate and is compact. It is also of low cost and is suitable for low power applications. It is stable and durable and can be used multiple times. It is fully recoverable after repeated exposures and can be regenerated and reused. It can be used in various CO sensing applications and can also be easily integrated into hand-held devices for many real-world applications.

(22) Date of filing of Application :14/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR GPS BASED WATER LOGGING DETECTION AND NOTIFICATION

<ul><li>(51) International classification</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>	:H04W24/00, G05D3/00 :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant: NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA.  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA :NA :NA	1)DUTTA CHOUDHURY 2)AGRAWAL, AMIT KUMAR 3)SINHA, PRIYANKA 4)BHAUMIK, CHIRABRATA

#### (57) Abstract:

A method and system is provided for determining and displaying least water logging prone route, from a source location to a destination location specified by a user, during a water logging condition in an area. Particularly, the invention provides a method and system for utilizing Global Positioning System (GPS) information including the source and destination location coordinates for determining the at least one alternate route to a user from the at least two routes from the source location to the destination location and rendering result on the users portable communication device.

(21) Application No.1351/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :29/04/2011 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AUTO-TRI STAND SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F01L 9/00 :NA	(71)Name of Applicant:  1)UDAYSINH SHRIKANT GHATAGE  Address of Applicant: 158, 'E' WARD, KADAMWADI,
(32) Priority Date	:NA	KOLHAPUR-416 003. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)UDAYSINH SHRIKANT GHATAGE
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 entire mechanism of Auto - Tri Stand System depends upon the actuator and its action. The actuator is attached to the Auto-Tri Stand with the help of Actuator piston and connecting joint held to the center support of the Auto-Tri Stand. Initially when the stand is in non-operating position the actuator is in extended position i.e. the actuator piston is in extended position. The Auto-Tri Stand is attached separately to the center stand with the help of the link 1 and link 2. The Auto - Tri Stand System can be detached whenever not required. When both the switches SW1 and SW2, are pressed simultaneously the control system senses both the incoming signals coming from the switches and checks whether the vehicle is on stand or off stand. If the vehicle is off stand then the condition of the engine is checked along with battery status by the control system. If all the conditions required for operating the stand are matched then the actuator is triggered and it is retracted to pull the Auto-Tri stand to operating position. Similarly when the Auto-Tri stand is to be pushed to non-operating position from operating position the actuator piston of actuator gets extended to put the vehicle off stand.

(22) Date of filing of Application :06/05/2011 (43) Publication Date : 07/03/2014

## (54) Title of the invention: VISUAL ACUITY ASSESSMENT AND IMPROVEMENT SYSTEM

(51) International classification	:A61B 3/032	(71)Name of Applicant: 1)DR. DESHPANDE PRADEEP GOVINDRAO
(31) Priority Document No	:NA	Address of Applicant :301, 3RD FLOOR, D WING, RAJ
(32) Priority Date	:NA	HEIGHTS, SEVEN HILL, AURANGABAD-431003,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. DESHPANDE PRADEEP GOVINDRAO
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/==>		

#### (57) Abstract:

A visual acuity assessment system is disclosed. The visual acuity assessment system includes a display device, a remote control and a control module. The display device displays optotypes, the optotypes are calibrated to indicate assessment of visual acuity. The display device is positioned at a predetermined distance from a patient; the display device includes a receiver. The remote control has a plurality of functional keys including at least one selection key and at least one distance key. The at least one selection key is for activating displaying of a pre-determined letter/s for amblyopia, wherein edge- to- edge distance of the pre-determined letters does not vary substantially. The at least one distance key sequentially varies distance between the letters for determining the degree of laziness of an eye(s) of a patient. The at least one indication for facilitating in determining the degree of laziness is displayed on the display device.

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: REFILLABLE AIR PROPELLED SILICON AEROSOL SPRAY SYSTEM

		(71)Name of Applicant :
(51) International classification	:A61M15/06, A24F47/00	
(31) Priority Document No	:NA	POINT, MUMBAI - 400021, MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)VERMA ROHIT
(86) International Application No	:NA	2)AGRAWAL UDAY
Filing Date	:NA	3)BHARADWAJ SANJAY
(87) International Publication No	: NA	4)SINGH PRADEEP
(61) Patent of Addition to Application Number	:NA	5)MISRA BRIJESH K
Filing Date	:NA	6)AGRAWAL DEEPESH
(62) Divisional to Application Number	:NA	7)GUPTA SHESH
Filing Date	:NA	8)TRIVEDI HITESH
		9)DESAI JAYANT N

# (57) Abstract:

A spray bottle includes a body, an opening, a connector element, a nonreturn valve (NRV) and an aerosol valve and an actuator. The body holds working fluid and propelling fluid under pressure, wherein the propelling fluid facilitate dispensing of the working fluid from the spray bottle. The opening is formed on the body of the spray bottle. The connector element removably engages with the opening formed on the spray bottle for facilitating filling and re-filling of the spray bottle with the working fluid. The non-return valve is mounted on the connector element for facilitating receiving of the propelling fluid inside the body of the spray bottle and preventing back-flow of the propelling fluid received by the body of the spray bottle. The aerosol valve is mounted on the connector element. The actuator for the aerosol valve facilitates dispensing of the working fluid from the aerosol valve upon actuation thereof.

(21) Application No.1704/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: EXTENDED OSMOTIC RELEASE COMPOSITIONS OF PALIPERIDONE

	:A61K	(71)Name of Applicant:
(51) International classification	31/519,	1)UNICHEM LABORATORIES LIMITED
(31) international classification	A61K	Address of Applicant :UNICHEM BHAVAN, PRABHAT
	9/00	ESTATE, OFF S. V. ROAD, JOGESHWARI (W), MUMBAI-400
(31) Priority Document No	:NA	102,MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)DR. GEDALA VENKATA MURALI MOHAN BABU
(86) International Application No	:NA	2)DR. JAYANT RAJARAM BHINGE
Filing Date	:NA	3)MR. ANUP RAJPANGE
(87) International Publication No	:N/A	4)MR. PRADEEP KUMAR GUPTA
(61) Patent of Addition to Application Number	:NA	5)MR. G. INDRAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an extended release pharmaceutical composition of Paliperidone or its pharmaceutically acceptable salt, solvate, enantiomers or mixtures and methods for their manufacture thereof, useful for the treatment of Schizophrenia and Schizoaffective disorders which provides initial slow rate of release of paliperidone followed by increased release at later stages and to provide almost comparable rate of release to that of commercially available Invega in official media as recommended by OGD.

(21) Application No.1705/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: APPARATUS FOR INCREASED PRODUCTION OF ALGAL BIOMASS

	:C12P	
(51) International classification	1/00, C12N	Address of Applicant :DBT-ICT CENTRE FOR ENERGY BIOSCIENCES, INSTITUTE OF CHEMICAL TECHNOLOGY
	1/00	(DEEMED UNIVERSITY), NATHALAL PARIKH MARG
(31) Priority Document No	:NA	MATUNGA (EAST), MUMBAI 400 019 Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)LALI ARVIND MALLINATH
(86) International Application No	:NA	2)PANDIT REENA AJIT
Filing Date	:NA	3)PRAKASH GUNJAN
(87) International Publication No	:N/A	4)MATHPATI CHANNAMALLIKARJUN SIDRAMAYYA
(61) Patent of Addition to Application Number	:NA	5)GANGAL SWANAND PRAKASH
Filing Date	:NA	6)VIRA CHAITALI PARESH
(62) Divisional to Application Number	:NA	7)PALKAR JUILEE AJIT
Filing Date	:NA	8)PATIL SMITA DATTATRAY
		9)GAIKWAD SUJATA PRAKASH

## (57) Abstract:

The present subject matter provides a raceway pond system (200, 300, 400) for cultivation of photosynfhetic cells or organisms having a depth ranging from 60-150 cm, comprising one or more substantially horizontal axial flow impellers disposed at one or more lateral ends of the raceway pond system, a drive means coupled with the one or more axial flow impellers, air spargers located throughout the tank length.

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : TWO SIDED PACKAGING WITH IMPROVED TEAR INITIATION, AND A METHOD AND WEB OF FILM LAMINATE FOR MANUFACTURING THE SAME

	:B32B5/26.	(71)Name of Applicant:
(51) International classification	A61F13/15,	1
	D04H1/54	Address of Applicant :13TH FLOOR, REGENT
(31) Priority Document No	:NA	CHAMBERS, NARIMAN POINT, MUMBAI - 400 021,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SURESH GUPTA
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 refers to a method for manufacturing a packaging (18; 118) having a front side film laminate (26; 126), an opposite rear side film laminate (27; 127) and at least three continuous sealings (28, 30, 32; 128, 129, 130, 132) to bond the front side laminate (26; 126) and the rear side laminate (27; 127) directly together, the method comprising the following steps: - moving at least one web (16; 116, 148) of film laminate (12; 112, 152) along a machine direction (MD), - overlapping a portion (20; 120) of the moving film laminate web (27: 127) with a further portion (22) of a film laminate web (16: 116,148) moving in parallel along the machine direction (MD), - sealing a first cross sealing (30; 130) extending in a cross direction (CD), which is orthogonal to the machine direction (MD) and which is parallel to the overlapping laminate portions (20, 22; 120), thus . bonding the overlapping film laminate portions (20, 22; 120) directly to each other within the area of the first cross sealing (30; 130), - sealing a longitudinal sealing (28; 128, 129) extending in the machine direction (MD) thus bonding the overlapping film laminate portions (20, 22; 120) directly to each other within the area of the longitudinal sealing (28; 128,129), and - sealing a second cross sealing (32; 132) extending in the cross direction (CD) spaced apart from the first cross sealing (30; 130) in the machine direction (MD) thus bonding the overlapping film laminate portions (20, 22; 120) directly to each other within the area of the second cross sealing (32; 132), wherein the first (30; 130) and the second cross sealings (32; 132) and the longitudinal sealing (28; 128,129) are arranged so as to form one continuous sealing area, wherein the method comprises the following further step: - within an area (36, 38; 138, 168) of the at least one moving film laminate web (16; 116, 148) predetermined for forming the longitudinal sealing (28; 128, 129): forming in at least one layer (76, 78, 80; 176, 178, 180) of the moving film laminate web (16; 116, 148) at least one slit zone (40, 42; 142, 166) of a plurality of layer penetrating slits (44; 144), the slit zone (40, 42; 142, 166) extending in the machine direction (MD), wherein an end-to-end direction (E) of the slits (44, 144) in which slits (44, 144) extend from one end to their opposite other end includes an angle with the machine direction (MD), preferably a right angle.

(21) Application No.2403/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A GROWTH FACTOR CONCENTRATE FOR TREATING TENDINOPATHIES

<ul> <li>(51) International classification</li> <li>(31) 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>	38/18, A61K 38/22 :NA :NA :NA :NA	Address of Applicant :HOECHST HOUSE, 17TH FLOOR, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA.  (72)Name of Inventor:  1)TOTEY, SATISH MAHADEORAO  2)SHAH, KAUSHAL PIYUSH  3)FONSECA, LYLE CARL
• •		
(87) International Publication No	: NA	4)MANIYAR, RACHANA RAJIV
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to an intra-articularly administrable growth factor concentrate derived from approximately 250 x106 to 5000 x106 human platelets per ml for treating tendinopathies. The concentrate comprises approximately 900 to 2000 pg/ml of Epidermal growth factor (EGF), 30 to 300 pg/ml of Vascular Endothelial growth factor(VEGF), 20 to 100 pg/ml of Basic fibroblast growth factor (b-FGF), 40000 to 120000 pg/ml of Transforming growth factor- $\beta$  (TGF- $\beta$ ) and 200000 to 600000 pg/ml of Platelet Derived growth factor-AB (PDGF-AB).

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A GROWTH FACTOR CONCENTRATE FOR TREATING FACIAL WRINKLES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country	A61Q19/00 :NA :NA :NA	Address of Applicant :HOECHST HOUSE, 17TH FLOOR, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA.
<ul><li>(86) International Application No</li><li>Filing Date</li><li>(87) International Publication No</li></ul>	:NA :NA : NA	(72)Name of Inventor: 1)TOTEY, SATISH MAHADEORAO 2)SHAH, KAUSHAL PIYUSH
(61) Patent of Addition to Application Number Filing Date	:NA :NA :NA	3)FONSECA, LYLE CARL 4)MANIYAR, RACHANA RAJIV
(62) Divisional to Application Number Filing Date	:NA :NA	T/MINITERIN, INCOMENTA INCIDIA

#### (57) Abstract:

The invention relates to an intra-dermally, sub-dermally or topically administrable growth factor concentrate derived from approximately 250 x 10 to 5000 x 106 human platelets per ml for treating facial wrinkles. The concentrate comprises approximately 900 to 2000 pg/ml of Epidermal growth factor (EGF), 30 to 300 pg/ml of Vascular Endothelial growth factor(VEGF), 20 to 100 pg/ml of Basic fibroblast growth factor (b-FGF), 40000 to 120000 pg/ml of Transforming growth factor- $\beta$  (TGF- $\beta$ ) and 200000 to 600000 pg/ml of Platelet Derived growth factor-AB (PDGF-AB).

(21) Application No.2405/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A GROWTH FACTOR CONCENTRATE FOR TREATING PERIORBITAL HYPERPIGMENTATION

	:A61K31/56,	(71)Name of Applicant :
(51) International classification	A61K 38/18,	1)KASIAK RESEARCH PVT LTD
	A61K 38/22	Address of Applicant :HOECHST HOUSE, 17TH FLOOR,
(31) Priority Document No	:NA	NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA,
(32) Priority Date	:NA	INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)TOTEY, SATISH MAHADEORAO
Filing Date	:NA	2)SHAH, KAUSHAL PIYUSH
(87) International Publication No	: NA	3)FONSECA, LYLE CARL
(61) Patent of Addition to Application Number	:NA	4)MANIYAR, RACHANA RAJIV
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to an intra-dermally, sub-dermally or topically administrable growth factor concentrate derived from approximately 250 xl06 to 5000 x106 human platelets per ml for treating periorbital hyperpigmentation. The concentrate comprises approximately 900 to 2000 pg/ml of Epidermal growth factor (EGF), 30 to 300 pg/ml of Vascular Endothelial growth factor(VEGF), 20 to 100 pg/ml of Basic fibroblast growth factor (b-FGF), 40000 to 120000 pg/ml of Transforming growth factor-P (TGF-P) and 200000 to 600000 pg/ml of Platelet Derived growth factor-AB (PDGF-AB).

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD OF PREPARING A GROWTH FACTOR CONCENTRATE DERIVED FROM HUMAN PLATELETS

	:A61P17/02,	(71)Name of Applicant:
(51) International classification	A61K38/18,	· /
(31) international classification	A61K38/36,	
	C07K1/	NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA,
(31) Priority Document No	:NA	INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)TOTEY, SATISH MAHADEORAO
(86) International Application No	:NA	2)MANIYAR, RACHANA RAJIV
Filing Date	:NA	3)LYLE, CARL FONSECA
(87) International Publication No	: NA	4)SNEHA, DEEPAK LAGHATE
(61) Patent of Addition to Application Number	:NA	5)NICOLE, KOSHY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method of preparing an intra-dermally, intra-articularly, sub-dermally or topically administrable growth factor concentrate derived from human platelets. The method comprises the steps of suspending human platelets in multiple electrolyte isotonic solution; snap-freezing the suspension; thawing the frozen suspension; and sterile-filtering the suspension. In particular, in this method, a fixed number of platelets is suspended in a fixed volume of multiple electrolyte isotonic solution to obtain the required concentration of growth factors in the growth factor concentrate, snap-freezing of the suspension is carried out at a temperature of -120°C to -200°C, thawing of the frozen suspension is carried out at 25°C to 37°C, and cellular debris are separated from the thawed suspension and the resultant suspension of growth factors is diluted with an isotonic medium before sterile-filtering.

(22) Date of filing of Application :21/04/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A METHOD AND SYSTEM FOR PRESERVING PRIVACY DURING DATA AGGREGATION IN A WIRELESS SENSOR NETWORK.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	29/06 :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant: NIRMAL BUILDING, 9th FLOOR, NARIMAN POINT, MUMBAI, Maharashtra India
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor: 1)ARIJIT UKIL
Filing Date	:NA	2)JAYDIP SEN
(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 computer-based system and method for secured privacy preservation scheme while data aggregation in a non-hierarchical wireless sensor network that lacks peer-to-peer communication between the communicating sensor nodes is disclosed. The method and system adopts formation of self-adaptive efficient cluster formation for robust privacy preservation in the network by grouping the multiple sensor nodes in the network to form multiple clusters that enables low computation overhead and high scalability in the network. The method and system of the invention discloses an effective twin-key management scheme that provides establishment of secure communication among the sensor nodes and the secure communication between at least one sensor node with the sever node performing the function data aggregation of the data collected by the sensor nodes.

(21) Application No.1467/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :13/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION OF BENZOFURAN 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> </ul>	31/343 :NA :NA :NA	Address of Applicant :TORRENT HOUSE, OFF ASHRAM ROAD, NEAR DINESH HALL, AHMENDABAD 380 009, GUJARAT, INDIA
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)DR .VINOD KUMAR GUPTA
(87) International Publication No	: NA	2)DR. YASHWANT GUPTA
(61) Patent of Addition to Application Number	:NA	3)DR. JAIDEEP PATIL
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a pharmaceutical composition for oral administration which comprises a benzofuran derivative or one of the pharmaceutically acceptable salts thereof, as an active principle, and cyclodextrin or its derivative, optionally in combination with one or more pharmaceutical excipient. Present invention also encompasses the process for preparing the said pharmaceutical composition.

(22) Date of filing of Application :11/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL TECHNIQUES FOR THE PRESERVATION OF THE ANTIOXIDANT ACTIVITY OF LAGENARIA SICERARIA (MOLINA) STANDLEY FRUIT EXTRACT.

(51) International desired	:A23L (71)Name of Applicant : 1/221, 1)SAMEER DINKAR KULKARNI
(51) International classification	A23L Address of Applicant :C/O MR. DINKAR D KULKARNI
	2/04 ABHISHEK BUNGLOW, VISHNUWADI, DURGANAGAR,
(31) Priority Document No	:NA PO NANDURA-443404, BULDHANA (MS),
(32) Priority Date	:NA MAHARASHTRA, INDIA.
(33) Name of priority country	:NA (72)Name of Inventor :
(86) International Application No	:NA 1)BARJI NAYAN SINHA
Filing Date	:NA 2)K. JAYARAM KUMAR
(87) International Publication No	:N/A 3)SAMEER DINKAR KULKARNI
(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 a stable antioxidant herbal composition of Lagenaria siceraria comprising: (i) microspheres containing about 70% to about 99%, ethanolic extract of Lagenaria siceraria fruits; and (ii) optionally, at least one pharmaceutically/cosmetically acceptable excipient, and wherein, said microsphere is capable of prolonging the shelf-life of antioxidant activity of Lagenaria siceraria fruit extract for a period of at least 6 months at ambient temperature. Also discloses a process for preparing microsphere containing Lagenaria siceraria fruit extract and use antioxidant herbal composition in foot care and topical applications.

(22) Date of filing of Application :18/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: IMAGE 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</li></ul>	:NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant: Nirmal Building 9th Floor Nariman Point Mumbai 400021 Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)CHATTOPADHYAY Tanushyam 2)VISVANATHAN Aishwarya
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	3)BHATTACHARYA Ujjwal

## (57) Abstract:

Systems and methods for image processing are described. In one embodiment, a method for image processing comprises obtaining an image having specular reflection. The image comprises a plurality of pixels, each of the plurality of pixels including a luminance component and a chrominance component. Further, the method comprises identifying specular pixels amongst the plurality of pixels in the image. Each of the identified specular pixels is enhanced based on at least one image enhancement technique, wherein the at least one image enhancement technique is applied on the luminance component of the specular pixels to generate at least one enhanced image.

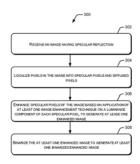


Fig. 3

(21) Application No.145/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: VEHICLE HEADLIGHT BEAM CONTROL SYSTEM

(33) Name of priority country :NA India (86) International Application No :NA (72)Name of Inventor :	radesh
Filing Date :NA 1)Narang Manoj Kumar (87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA	
Filing Date :NA  (62) Divisional to Application Number :NA Filing Date :NA	

### (57) Abstract:

The present invention provides an automatic headlight beam control system for a vehicle. More particularly, the present invention provides an automatic headlight beam control system which functions on the principle of light dependant resistance (LDR) and a timer circuit.

(21) Application No.1523/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :18/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FAT SPREAD WITH CHEESE

	. 4.22D	(71)Nama af Amil'anni
(51) International classification	:A23D 7/00	(71)Name of Applicant:
		1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :SARKHEJ-BAVLA N.H. NO.8A,
(32) Priority Date	:NA	MORAIYA, TAL. SANAND, DIST. AHMEDABAD-382210,
(33) Name of priority country	:NA	GUJARAT,INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ROY SUNILENDU BHUSHAN
(87) International Publication No	:N/A	2)HEMA SHARMA DATTA
(61) Patent of Addition to Application Number	:NA	3)GUPTA VINAY KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to fat spread with cheese. In particular, present invention relates to a stable fat spread composition containing protein which offers a combination of vegetable fat spread and actual protein which is nutritious and provides good organoleptic characteristics.

(21) Application No.1743/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: KKB PROCESS OF IRON MAKING FROM IRON ORE FINES

(51) International classification	:C21B11/10C21B13/14	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Vivek Wasudeo Bapat
(32) Priority Date	:NA	Address of Applicant :Vivek Wasudeo Bapat [Behind hotel
(33) Name of priority country	:NA	Sagar Balaghat road] GONDIA CITY District Gondia
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Vivek Wasudeo Bapat
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Minus 2 mm size Iron Ore fines [including Magnetite and Blue dust] analyzing 50 to 65 percent Fe [as per availability] has been reduced to White Pig Iron economically and successfully in tunnel kiln and achieved metallization and metallic over 90%. Final product was analysed to contain 94-95 percent Fe; 2 to 3.5 percent Carbon. Phosphorus and Sulphur levels would depend on fuel and ore quality. Reaction temperature was restricted to maximum of 1400° C. Metallic Iron was allowed to coalesce in high temperature liquid phase maintained in reducing environment. Re-oxidation of hot coalesce of reduced iron mass while cooling the same to room temperature was efficiently prevented by two parts blanketing of the White Pig Iron [end product]; the initial blanketing being with lime stone powder and followed finally with coal powder ground to about 100 mesh size.

(22) Date of filing of Application :07/08/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF MEMANTINE HYDROCHLORIDE

(51) International classification	:C07C209/62, C07C211/38	(71)Name of Applicant: 1)ZCL CHEMICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :'A'-806/807,215 ATRIUM,
(32) Priority Date	:NA	CHAKALA, ANDHERI(EAST), MUMBAI-400 059,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AGARWAL NAND LAL
(87) International Publication No	:N/A	2)MISTRI PRANAV POPATLAL
(61) Patent of Addition to Application Number	:NA	3)PATEL NITIN MAGANBHAI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(F7) A1		•

### (57) Abstract:

The present invention relates to an improved process for the preparation of Memantine hydrochloride of formula (1). Memantine hydrochloride is used in the treatment of Alzheimers and Parkinsons disease.

(21) Application No.2356/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MACROPOROUS POLYVINYL ACETATE COPOLYMER BEADS FOR LIPASE IMMOBILIZATION AND METHOD OF PREPARATION OF THE POLYMER BEADS THEREOF

(51) International classification		(71)Name of Applicant:
	C12N11/14	1)FERMENTA BIOTECH LIMITED
(31) Priority Document No	:NA	Address of Applicant : 'DIL'COMLEX, GHODBUNDER
(32) Priority Date	:NA	ROAD, MAJIWADA, THANE(WEST)- 400 610,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VYASARAYANI, RAJASEKAR WILLIAMS
(87) International Publication No	:N/A	2)DATLA, ANUPAMA
(61) Patent of Addition to Application Number	:NA	3)TAMBE, ANITA PRABHAKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed herein macroporous polyvinyl acetate copolymer beads directly used to immobilize the lipase without any prior functional modification of beads and also discloses the process for preparation of said copolymer beads and the process of immobilizing the enzyme lipase.

(22) Date of filing of Application :23/08/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A SYSTEM AND METHOD FOR AUTHENTICATING MANUAL INTERACTION IN A COMPUTING ENVIRONMENT

(51) Intermedianal alacaification	:G06F9/40,	(71)Name of Applicant :
(51) International classification	H04L12/24,	1)TATA CONSULTANCY SERVICES LIMITED
(31) Priority Document No	:NA	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(32) Priority Date	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PAREKH, GAURANG RAJNIKANT
(87) International Publication No	: NA	2)SHAIKH, NAWAZ MOHAMMED
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a system and method for providing a secure manual interaction with one or more electronic devices in a network. An authentication module generates an authentication task to a user to Input data using a user interface. The data is processed and a second security module generates security tasks to be responded by the usee suck that the security tasks ate generated in real-time by using the inout data fed by the user. A verification module correlates the input data with the security tasks responded by the user in order to check the data integrity before completing the interaction.

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : METHOD OF CAPTURING A FULL 360 DEGREE VIEW USING PANORAMIC IMAGING SYSTEMS

(51) International classification (31) Priority Document No (32) Priority Date	G03B37/00 :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology Bombay Address of Applicant: Powai Mumbai 400076 MAHARASHTRA, INDIA.
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li><li>Filing Date</li></ul>	:NA :NA :NA	(72)Name of Inventor: 1)Leena Vachhani 2)Anupa Sabnis
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The embodiments herein relate to a method and system for capturing a full 360 degree view using panoramic imaging systems. Eight cameras are placed at uniform angle interval such that there is considerable overlapping between adjacent cameras. The method adjusts the cameras such that limited image processing is required for stitching images. The cameras are adjusted so that their optical axis lie in the same horizontal plane and angular interval between them is uniform. A panoramic view is formed by a simple method of removing overlapping area between two images captured by adjacent cameras. Three different methods can be applied to remove and smooth the image in the overlapping portion of images. The combined image is called a panoramic view as the stitching is smooth. The arrangement of cameras with image processing system can be used to get a panoramic view without distortion in real time.

No. of Pages: 44 No. of Claims: 12

(22) Date of filing of Application :09/08/2012

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: A SYSTEM AND METHOD FOR MEASURING THE CROWDEDNESS OF PEOPLE AT A PLACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:G06T7/60, G01B11/00, G06T1/00, G08G1/01 :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant:NIRMAL BUILDING,9TH FLOOR, NARIMAN POINT,MUMBAI 400021, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)GHOSE, AVIK 2)DUTTA CHOUDHURY, ANIRBAN 3)BHAUMIK, CHIRABRATA 4)PAL, ARPAN
		4)PAL, ARPAN
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method, system and apparatus for determining crowdedness at a location, using a first portable communication device having a proximity sensor, wherein the location of a first user is determined using the first portable communication device having an application installed on a memory module thereof, wherein the application is configured to connect to a location sensor embedded in the first portable communication device. The method and system further comprises of sensing and identifying a second portable communication device in vicinity of the first user, followed by transmitting a media access control address (MAC address) of the identified second portable communication device to a remote fusion server. Further removing redundancies pertaining to the identified second portable communication device based on the MAC address received by the remote fusion server using a fusion algorithm to determine the crowdedness at the determined location.

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

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : A METHOD AND SYSTEM ENABLING SECURED COLLABORATIVE PRICING FRAMEWORK FOR INFORMATION TECHNOLOGY PLATFORM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	G06Q10/00 :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant:NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)MAZUMDER, ABHIJIT 2)KOTAK, BIMAL 3)RANE, AMIT 4)UNNIKRISHNAN, ASHWIN
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#### (57) Abstract:

A method and system to enable pricing model for IT or ITeS outsourcing is disclosed. A business opportunity for IT or ITeS service area to be outsourced is identified through a customer-relation management (CRM) layer. Role-based primary and auxiliary inputs are received in the system through various stakeholder client machines collaboratively connected to the system through the central pricing server. The central pricing server processes these inputs to generate plurality of solution versions of the pricing model by referring historical pricing information from the database. The system is adapted to select a solution version that is best applicable to the deal by comparing various scenarios created for the plurality of solution versions.

No. of Pages: 34 No. of Claims: 12

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN APPARATUS AND METHOD FOR SALES DATA GATHERING USING MOBILE PHONE

	:G06F3/00	(71)Name of Applicant:
(51) International classification	G06K7/10,	
	G06K7/00	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(31) Priority Document No	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(32) Priority Date	:NA	INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SESHADRI, GURUPRASAD
Filing Date	:NA	2)PURUSHOTHAMAN, BALAMURALIDHAR
(87) International Publication No	: NA	3)M, GIRISH CHANDRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and apparatus for performing analysis on data collected at a point of sale is disclosed. The data from the point of sale is collected using voice recognition technique implemented on a mobile communication device. In order to enable this, a limited vocabulary word recognition technique is implemented using a set of libraries storing speech utterances in a memory storage unit present of the mobile communication device. Dynamic updating of module parameters associated with the stored speech utterances is enabled by a speech refinement unit of the mobile communication device. The device further enables local as well as regional data collation and analysis.

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

(21) Application No.175/MUM/2008 A

(19) INDIA

(22) Date of filing of Application :24/03/2008 (43) Publication Date : 07/03/2014

## (54) Title of the invention: NOVEL CRYSTALLLINE FORM OF DESVENLAFAXINE SUCCINATE

(51) International classification	:C07C215/52, C07C213/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUN PHARMACEUTICAL INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :17-B, MAHAL INDUSTRIAL
(33) Name of priority country	:NA	ESTATE, OFF MAHAKALI CAVES ROAD, ANDHERI (E),
(86) International Application No	:NA	MUMBAI Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)THENNATI RAJAMANNAR
(61) Patent of Addition to Application	:NA	2)REHANI RAJEEV BUDHDEV
Number	:NA	3)PATEL NISCHALKUMAR VINODBHAI
Filing Date	.NA	4)KANSARA RITESHKUMAR RAJNIKANT
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

## (57) Abstract:

CRYSTALLINE FORM V OF 0-DESMETHYLVENLAFAXINE SUCCINATE, WHEREIN THE CRYSTALLINE FORM EXHIBITS AN X-RAY POWDER DIFFRACTION PATTERN HAVING CHARACTERISTIC PEAKS EXPRESSED IN DEGREES 20 (+-2.2 20) AT 12.15, 13.17, 14.67, 15.8, 19.69, 20.45, 22.27, 24.40, 26.43, 28.44 AND 33.69.

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

(22) Date of filing of Application :09/07/2010

(43) Publication Date: 07/03/2014

## (54) Title of the invention : AN IMPROVED PROCESS FOR PRODUCTION OF WELDED CABLE CONNECTOR BY RESISTANT WELDING PROCESS

	:B23K 9/02,	(71)Name of Applicant :
(51) International classification	H01R13/648,	,
	H01R13/516	
(31) Priority Document No	:NA	NO.2,GANGAPUR ROAD, ANANDWALLI,NASIK-422 007
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. SACHIN GULABRAO MHASKE
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 improved process for production of welded copper cable connector by using crimping process, comprising the following steps, put the copper cable and copper lug in the fixture of machine which are alignment to electodes, press the pedal of projection welding machine for the spot the said spot position shall be homogenous at the spot portion to ensure that the operator stands on the rubber mat during the testing, to give copper cable connector.

No. of Pages: 5 No. of Claims: 1

(19) INDIA

(22) Date of filing of Application :13/08/2012

(21) Application No.2300/MUM/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: MIXED FILTER MEDIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:B01D24/02, B01D37/02, B01D37/03, B01D24 :NA :NA :NA :NA :NA :NA :NA :NA	' '
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#### (57) Abstract:

In the conventional rapid sand filter, after every backwash with air and water, the smallest diameter sand particles form the top most layer of the sand medium while the largest size diameter of the sand forms the bottom most layer of the same medium. The size of the voids in the sand bed is thus minimum in the top layer which goes on gradually increasing from top to bottom layer, thus the size of the voids in the bottom most sand layer is maximum. This is just the opposite of the required size of the voids in the sand bed. The concentration of the impurities in the incoming water is maximum at the top layer of sand but the size of voids at this layer is minimum. This results in early clogging of the top layer of sand medium and earlier build up of the head loss. The present invention mixed filter media overcomes this problem. The crushed boiler clinker of appropriate size range when mixed with filter sand, remains homogenously mixed with sand. The larger size of the clinker enlarges the size of the sand voids resulting in more gradual build up of head loss in the filter. The advantages of the invention Mixed Filter Media are: It results in more gradual head loss compared to the conventional rapid gravity filter. It permits higher rate of filtration compared to the conventional rapid gravity filter. Its cost is low since crushed clinker is a waste material from the boiler slag and sand is also readily available from river-bed. It being inert material, does not add its taste, odour or colour to water..

No. of Pages: 14 No. of Claims: 2

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

(43) Publication Date: 07/03/2014

## (54) Title of the invention: A STORAGE STABLE MICROBIAL DECONTAMINATED LITCHI (LITCHI CHINENSIS) WITH EXTENDED SHELF LIFE RETAINING PERICARP COLOR AND A PROCESS THEREOF.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12P21/06, C12N9/54 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)THE SECRETARY, DEPARTMENT OF ATOMIC ENERGY  Address of Applicant: GOVT. OF INDIA, ANUSHAKTI BHAVAN, CHATRAPATI SHIVAJI MAHARAJ MARG, MUMBAI - 400001, MAHARASHTRA, INDIA. (72)Name of Inventor:  1)GAUTAM, SATYENDRA  2)MISHRA, BIBHUTI BHUSHAN  3)HAJARE, SACHIN NANDKUMAR  4)KUMAR, SANJEEV  5)SAXENA, SUDHANSHU  6)WADHAWAN, SURBHI  7)BANDYOPADHYAY, NILANTANA  8)MORE, VARSHA  9)SHARMA, ARUN
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#### (57) Abstract:

A microbial decontaminated Litchi {Litchi chinensis} having microbial load below detectable level and colour which is stabilized to retain fresh pinkish-red pericarp colour for a period of upto about 45-60 days and a process for producing such treated Litchi (Litchi chinensis) which would enable avoiding pericarp browning and microbial growth during storage and maintain its eye appeal, extend shelf life for a period of about 45-60 days.

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

(21) Application No.1258/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :18/04/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF MODIFIED UNORIENTED ELECTRICAL GRADE POLYVINYLIDENE FLUORIDE POLYMER FILMS

(51) International classification	:B29C47/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :POWAI, MUMBAI 400076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RASIPURAM PERIASAMY VIJAYAKUMAR
(87) International Publication No	: NA	2)KHAKHAR DEVANG VIPIN
(61) Patent of Addition to Application Number	:NA	3)MISRA ASHOK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Process for the preparation of modified unoriented electrical grade polyvinylidene fluoride polymer films. The process comprises extruding a melt mix of polyvinylidene fluoride polymer and a nucleating agent in 0.5 to 5% by weight of the polymer, cutting the extrudate into pellets and pressing the pellets into films.

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

(22) Date of filing of Application :27/06/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention : A SYSTEM AND A METHOD FOR MEASUREMENT OF ADSORPTION ISOTHERMS AND KINETICS OF HYDROCARBONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01N15/08, G01N33/388 :NA :NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, MAKER CHAMBER -  IV, 222, NARIMAN POINT, MUMBAI-400 021,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SHEWALE SATISH D
(87) International Publication No	:N/A	2)PURANIK VIJAYALAKSHMI R
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)JASRA RAKSHVIR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is disclosed a system comprising an adsorbent charging vessel, an adsorber and a sample tube. The system is useful for measuring adsorption isotherms and kinetics of hydrocarbons in a liquid phase. A method for measuring adsorption isotherm and kinetics of hydrocarbon at plant operating conditions of temperature and pressure is also provided.

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

(19) INDIA

(22) Date of filing of Application :14/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: BATTERY PACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H02J7/00 :61/545,836 :11/10/2011 :U.S.A. :NA :NA : NA	(71)Name of Applicant:  1)SAMSUNG SDI CO. LTD  Address of Applicant: 428-5 Gongse-dong Giheung-gu Yongin-si Gyeonggi-do Republic of Korea (72)Name of Inventor:  1)In-Soo Park 2)Sang-Jin Park
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2361/MUM/2012 A

#### (57) Abstract:

A battery pack and a lead electrode for a battery pack. A lead electrode includes a plurality of end connecting portions each connectable to a battery cell or a protection circuit module and a body portion connecting the plurality of end connecting portions and having a thickness greater than a thickness of the end connecting portions.

No. of Pages: 51 No. of Claims: 20

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: PNEUMATIC ESCAPEMENT

	:B21J15/32,	(71)Name of Applicant :
(51) International classification	B23P19/00,	1)MR. SHETE SUHAS VINAYAK
	B21J15/34	Address of Applicant :A- 1, NALANDA SOCIETY, NILGIRI
(31) Priority Document No	:NA	LANE, OFF. BANER ROAD, PUNE - 411 007,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	2)MR. SHETE MONISH SUHAS
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. SHETE SUHAS VINAYAK
(87) International Publication No	: NA	2)MR. SHETE MONISH SUHAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a Pneumatic Escapement. The said pneumatic escapement comprises a pneumatic cylinder (S1), actuated by signal source from a relay / sensor or PLC, mounted to a mounting plate(2) supported by a top plate(1). A guide block (3), mounted to the said top plate(1), supporting a slide bar(5) with one end connected to the plunger of the said cylinder(S 1); a vertical adjusting bar (8) with one end clamped to the other end of said slide bar(5); a horizontal cross bar (9) in transverse direction with one end clamped to the other end of the said adjustable bar(8); a vertical pin holder (7) with one end attached to the said one end of the slider bar(5); a first dowell pin (S9) facing towards the said adjusting bar(8) fixed to the other end of the pin holder(7); a second dowell pin (S10) facing in the opposite direction of said first dowell pin (S9) attached to the other end of the said cross bar (9) by clamping means provided therein; the said first dowell pin(S9) and second dowell pin(S10) are movable in parallel path due to sliding bar oscillation by the said plunger.

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

(21) Application No.2758/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: INTERNAL FAULT INDICATOR FOR ELECTRICAL EQUIPMENT

(51) International :G01L23/00,G01L23/02,G01R31/00 classification

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

(33) Name of priority country: NA

(86) International Application :PCT/CA2010/000836 No

:07/06/2010 Filing Date

(87) International Publication :WO 2011/153604

No

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

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

(71)Name of Applicant:

1)IFD INTERNAL FAULT DETECTOR CORP.

Address of Applicant :200 1777 West 75th Avenue Vancouver

British Columbia V6P 6P2 Canada

(72)Name of Inventor:

1)PEZZIN Justin George

2)HUNSBERGER Adam John

3)CHISHOLM John Paul

4)LEE Hyuk Jae

#### (57) Abstract:

A fault indicator for indicating the occurrence of a rapid pressure surge within a housing of an electrical device has: a barrel capable of being mounted in an aperture of the housing; an actuating mechanism having a chamber with at least one orifice communicating between interior and exterior surfaces of the chamber within the housing and an actuating member movable in response to a pressure differential between the interior and exterior surfaces of the chamber; a plunger within the bore of the barrel biased outwardly in the barrel and normally retained in an armed position by the actuating member; and a radial seal disposed between the plunger and the barrel. When the pressure differential exceeds a positive threshold value the actuating member is moved and thereby permits the plunger to move outwardly into a triggered position. The radial seal may be a dual lip seal.

No. of Pages: 49 No. of Claims: 41

(19) INDIA

(22) Date of filing of Application :17/08/2012

(21) Application No.2401/MUM/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: A SPACER ELEMENT

Filing Date :NA (62) Divisional to Application Number :2376/MUM/2011 Filed on :24/08/2011	(62) Divisional to Application Number	:NA :2376/MUM/2011	(71)Name of Applicant:  1)SHINDE PADMAKAR  Address of Applicant: 3 SUKHDHAM SOCIETY, OPP. ST FRANCIS SCHOOL, TIDKE COLONY, NASHIK, MAHARASHTRA, INDIA. (72)Name of Inventor:  1)SHINDE PADMAKAR
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#### (57) Abstract:

A spacer element adapted to space apart bundles of grafts, said spacer element comprises: an elongate hollow shaft with through holes at a distal end and a proximal end forming an operative proximal hole and an operative distal hole with a channel therebetween, said elongate shaft comprising opposing concave lateral sides, said concavity facing externally, said elongate shaft further comprising an operative tapered distal end; and grasping elements adapted to allow grasping of suture loops which hold the graft during ligament reconstruction.

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

(22) Date of filing of Application :12/10/2010 (43) Publication Date : 07/03/2014

## (54) Title of the invention : A RADIATION SENSING MODULE AND APPARATUS FOR DETERMINING TOTAL RADIATED POWER FROM RADIATION SOURCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01T1/17, G01K7/16,G01S13/93 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INSTITUTE FOR PLASMA RESEARCH (IPR) Address of Applicant: NEAR INDIRA BRIDGE, VILLAGE BHAT, GANDHINAGAR- 382 428, GUJARAT,INDIA (72)Name of Inventor: 1)PANDYA, SANTOSH P. 2)PANDYA, SHWETANG N. 3)GOVINDARAJAN, J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A sensing module for use in determining total radiated power from the radiation source is disclosed. The sensing module comprises at least one radiation sensitive layer adapted to be irradiated by radiation from the radiation source and an IR transmitting substrate attached to the radiation sensitive layer. The at least one radiation sensitive layer gets heated upon being irradiated by the radiation to emit an infra-red (IR) radiation having wavelength corresponding to temperature rise of the radiation sensitive layer. The IR transmitting substrate is adapted to transmit the IR radiation emitted by the radiation sensitive Zayer. The IR radiation is detected 6y an IR detector for enabling determination of the total radiated power from the radiation source. Apparatus using the said sensing module for determining total radiated power with high temporal resolution is also disclosed.

No. of Pages: 50 No. of Claims: 26

(22) Date of filing of Application :20/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : DEVICE TO IMPROVE IRON LOSS PROPERTIES OF GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR IMPROVING IRON LOSS PROPERTIES OF GRAIN ORIENTED ELECTRICAL STEEL SHEET

#### (57) Abstract:

An object of the present invention is to propose a device and a method capable of solving a problem of dust contamination in laser irradiation of a grain oriented electrical steel sheet, i.e. safely preventing laser-irradiation capacity from decreasing due to contamination and reliably reducing iron loss of the electrical steel sheet. Specifically, the present invention proposes improving iron loss properties of a grain oriented electrical steel sheet having subjected to finish annealing by irradiating a surface of the grain oriented electrical steel sheet with laser to reduce iron loss of the electrical steel sheet, wherein, provided that: distance between a laser beam emission port of a laser beam irradiator emitting the laser and a laser beam irradiation point on the electrical steel sheet is L (mm); laser beam irradiation angle formed by a line linking the laser beam emission port and the laser beam irradiation point with respect to a direction vertical to the electrical steel sheet is q (°); and L  $^3$  50, the laser beam emission port is positioned such that L and q satisfy following formulae. Figure 1 is the representative figure.  $60 - 0.3L < \theta < 60$  when  $L < 100 \ 40 - 0.1L < \theta < 60$  when  $100 < L < 400 \ \theta > 60$  when L > 400

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

(22) Date of filing of Application :20/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ABSTRACTION OF LOOPS IN PROGRAMS

	60.470.440	
(51) International classification	G06F9/44, G06F9/45,	
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)RAMANATHAN Venkatesh
(33) Name of priority country	:NA	2)DARKE Priyanka
(86) International Application No	:NA	3)KHANZODE Mayur
Filing Date	:NA	4)NAIR Arun
(87) International Publication No	: NA	5)SHROTRI Ulka Aniruddha
(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 method and a system for loop abstraction in a program. A computer implementable method includes determining one or more loop parameters of an original loop having an original loop statement and an original loop body. Further the one or more loop parameters include at least one of an original loop condition input variables output variables input-output (IO) variables and number of paths in the original loop body. Further a loop bound for defining an abstracted loop in the program is ascertained based on the number of paths and the output variables. The method further comprises removing the original loop from the program and inserting an abstracted loop statement and the original loop body for defining the abstracted loop in the program. Further the abstracted loop statement includes a termination condition defined based on the loop bound and the original loop condition.

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

(22) Date of filing of Application :21/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PACKAGING FOR IVABRADINE HYDROCHLORIDE

	:A61K31/55,	(71)Name of Applicant :
(51) International classification	A61P9/06,	1)Alembic Pharmaceuticals Limited
	C07D223/16	Address of Applicant : Alembic Research Centre Alembic
(31) Priority Document No	:NA	Pharmaceuticals Limited Alembic Road Vadodara-390003
(32) Priority Date	:NA	GUJARAT,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)JAYARAMAN Venkatraman
Filing Date	:NA	2)TOMER Sanjiv
(87) International Publication No	: NA	3)RANA Piyush
(61) Patent of Addition to Application Number	:NA	4)KANZARIYA Kamlesh
Filing Date	:NA	5)SHAH Sudhir
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

The present invention relates to a multiple packing and vacuum sealed pack comprising Ivabradine hydrochloride.

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

(19) INDIA

(22) Date of filing of Application :11/12/2012

(21) Application No.2741/MUMNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: CONDOM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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	:A61F6/04 :12/814647 :14/06/2010 :U.S.A. :PCT/US2011/034830 :08/06/2011 :WO 2011/159399 :NA :NA	(71)Name of Applicant: 1)RESNIC Daniel Address of Applicant: 4445 Overland Ave. Culver City California 90230 U.S.A. (72)Name of Inventor: 1)RESNIC Daniel
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to condoms prophylactics and contraceptive devices made of silicone rubber having a body comprising a plurality of sections that are capable of folding telescopically such that one section folds into an adjoining section.

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

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: TOWER FOR A WIND TURBINE

:F03D11/00,F03D11/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2010 022 581.9 1)SUZLON ENERGY GMBH (32) Priority Date :03/06/2010 Address of Applicant : Kurt Dunkelmann Str. 5 18057 Rostock (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2011/059231 (72)Name of Inventor: Filing Date :03/06/2011 1)DOMESLE Melanie (87) International Publication No :WO 2011/151466 2)STARKE Sven (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 tower for a wind turbine and to a cable guide for a tower of a wind turbine wherein a machine housing for the wind turbine is arranged on the tower such that it can rotate by means of the azimuth bearing about a vertical axis which runs in the longitudinal direction of the tower. Current carrying cables such as power cables are routed in the tower of the wind turbine out of the machine housing from electrical components to the ground. These comprise a multiplicity of cables for example a plurality of cables for electrically carrying individual phases of alternating current in particular three phase alternating current cables for ground conductors and/or signal and control cables. One object of the invention is to specify improved routing of the cables which inter alia avoids the disadvantages of the prior art. One particular aim is to ensure that the current load capacity of the cables is ensured and/or that wear between the cables is reduced. According to the invention the object is achieved by the features of the main claim 1 by arranging a guide apparatus effectively between the cable loom and the tower in the tower for at least partial fixing of the area of the cable loom to the tower wherein the guide apparatus has means for supporting the lower area of the cable loom in a radial direction and for support with respect to the tower in a circumferential direction. In this case the guide apparatus is designed such that the lower area of the cable loom is mounted such that it can move in the axial direction with respect to the tower but is essentially fixed with respect to the tower in the circumferential and radial directions.

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

(22) Date of filing of Application :28/04/2011

(43) Publication Date: 07/03/2014

# (54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF 3-(CYCLOPROPYMETHOXY)-N-(3,5-DICHLOROPYRIDIN-4-YL)-4-(DIFLUOROMETHOXY)BENZAMIDE

(51) International classification	:C07D	(71)Name of Applicant:
(31) International classification	413/00	1)GLENMARK GENERICS LIMITED
(31) Priority Document No	:NA	Address of Applicant :GLENMARK HOUSE, HDO-
(32) Priority Date	:NA	CORPORATE BLDG, WING - A, B.D.SAWANT MARG,
(33) Name of priority country	:NA	CHAKALA, ANDHERI (EAST), MUMBAI - 400 099,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GAVHANE SACHIN BABAN
(61) Patent of Addition to Application Number	:NA	2)WAKADE SANJAY MARUTI
Filing Date	:NA	3)KADAM SURESH MAHADEV
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

The present invention relates to process for preparation of roflumilast.

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

(22) Date of filing of Application :02/09/2009

(43) Publication Date: 07/03/2014

# (54) Title of the invention : PROCESS FOR NOVEL MULTIFERROIC BASED MICRO ELECTROMECHANICAL SYSTEMS (MEMS) ACTUATORS FUNCTIONING AT ROOM TEMPERATURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H02N2/00, H01L41/00 :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY Address of Applicant:INDIAN INSTITUTE OF
(32) Priority Date	:NA	TECHNOLOGY, BOMBAY, POWAI, MUMBAI-400076.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PALKAR VAIJAYANTI RAGHUNATH
(87) International Publication No	:N/A	2)KOVUR PRASHANTHI
(61) Patent of Addition to Application Number	:NA	3)MANDAL MRINMAY
Filing Date	:NA	4)DUTTAGUPTA SIDDHARTH
(62) Divisional to Application Number	:NA	5)PINTO RICHARD
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the process to fabricate micro electro mechanical device structure (MEMS) based multiferroic actuator. The present invention further describes the development of the process of BixDyi1-xFeO3 (BDFO) based magnetoelectric multiferroic micro cantilever actuation device integrated directly on Si functioning at room temperature.

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

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR SHARING LOCATION BASED 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</li></ul>	:G09B29/10, H04L12/16 :NA :NA :NA :NA	(71)Name of Applicant:  1)GIRISH SHREEDHAR PHANSALKAR Address of Applicant: 33, SHANTIBAN CHS,NEAR GANDHI BHAVAN,KOTHRUD, PUNE-411 038, MAHARASHTRA, INDIA.  2)RAJENDRA VASANT CHAUDHARI
Filing Date (87) International Publication No	:NA :N/A	(72)Name of Inventor: 1)GIRISH SHREEDHAR PHANSALKAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)RAJENDRA VASANT CHAUDHARI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and system of comprehensive solution to share messages in real time, without requiring being in the network of the posting subscriber, and for proper dissemination of information to interested subscribers within a particular area, wherein the subscribers are enabled to receive filtered messages based on the filter-sets generated by the subscriber in real time.

No. of Pages: 37 No. of Claims: 26

(21) Application No.2861/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR PRODUCTION OF F 18 LABELED AMYLOID BETA LIGANDS

(51) International classification	:A61K51/04,C07B59/00	(71)Name of Applicant :
(31) Priority Document No	:10164950.7	1)PIRAMAL IMAGING SA
(32) Priority Date	:04/06/2010	Address of Applicant :Route lEcole 13 CH 1753 Matran
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/058786	(72)Name of Inventor:
Filing Date	:30/05/2011	1)BERNDT Mathias
(87) International Publication No	:WO 2011/151273	2)FRIEBE Matthias
(61) Patent of Addition to Application	:NA	3)HULTSCH Christina
Number	:NA :NA	4)SAMSON Fabrice
Filing Date	:NA	5)PATT Marianne
(62) Divisional to Application Number	:NA	6)SCHILDAN Andreas
Filing Date	:NA	7)SMUDA Christoph

#### (57) Abstract:

This invention relates to methods, which provide access to [F-18]fluoropegylated (aryl/heteroaryl vinyl)-phenyl methyl amine derivatives..

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

(21) Application No.2862/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DEVICES AND METHODS FOR PROCESSING A BIOMATERIAL IN A CLOSED SYSTEM

(51) International classification	:A61J1/05,A61J1/14,A61J1/20	(71)Name of Applicant:
(31) Priority Document No	:61/361722	1)CYTONET LLC
(32) Priority Date	:06/07/2010	Address of Applicant :Attn: Legal Intellectual Property 801
(33) Name of priority country	:U.S.A.	Capitola Drive Suite 8 Durham North Carolina 27713 U.S.A.
(86) International Application No	:PCT/US2011/042510	(72)Name of Inventor:
Filing Date	:30/06/2011	1)SIEMS Kimberly Ann
(87) International Publication No	:WO 2012/006204	2)SHERWOOD Sonya Olabisi Amelia Meheux
(61) Patent of Addition to	:NA	3)ALEKSANDROVA Krasimira Lambeva
Application Number	:NA	4)ARSENIEV Lubomir
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.INA	

(57) Abstract:

Disclosed herein are methods and devices for processing a biomaterial in a closed system and administering the processed biomaterial to a subject.

No. of Pages: 34 No. of Claims: 24

(21) Application No.2863/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR PRODUCTION OF F 18 LABELED AMYLOID BETA LIGANDS

(51) International classification :A61K51/04,C07B59/00 (71)Name of Applicant : (31) Priority Document No :10164946.5 1)PIRAMAL IMAGING SA (32) Priority Date Address of Applicant :Route de lEcole 13 CH 1753 Martan :04/06/2010 (33) Name of priority country :EPO Switzerland (86) International Application No (72)Name of Inventor: :PCT/EP2011/058817 Filing Date 1)BERNDT Mathias :30/05/2011 (87) International Publication No :WO 2011/151281 2) LEHMANN Lutz (61) Patent of Addition to Application 3)ACKERMANN Uwe :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

This invention relates to methods, which provide access to F-18 labeled stilbene derivatives.

No. of Pages: 62 No. of Claims: 11

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

:NA

:NA

#### (54) Title of the invention: RADAR LEVEL GAUGE SYSTEM WITH OPERATION MONITORING FUNCTIONALITY

(51) International classification :G01F23/284,G01F25/00 (71)Name of Applicant : (31) Priority Document No :12/876569 1)ROSEMOUNT TANK RADAR AB (32) Priority Date :07/09/2010 Address of Applicant :Box 13045 S 402 51 Gteborg Sweden (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/EP2011/065172 1)WENNERBERG Tomas Filing Date :02/09/2011 2)GRAHN Marcus (87) International Publication No :WO 2012/031981 (61) Patent of Addition to Application :NA :NA Filing Date

(57) Abstract:

Filing Date

first signal is provided.

A method of monitoring operation of a radar level gauge system installed at a tank and arranged to determine a filling level of a product contained in the tank. The method comprises the steps of: providing a first propagation property discontinuity at a first distance from a reference position at a top of the tank; generating and transmitting an electromagnetic signal; propagating the transmitted electromagnetic signal towards the product contained in the tank; receiving a reflected electromagnetic signal comprising a plurality of echoes resulting from reflections at propagation property discontinuities encountered by the transmitted electromagnetic signal, including a first reference echo resulting from reflection at the first propagation property discontinuity and a surface echo resulting from reflection at a surface of the product contained in the tank; identifying the surface echo; determining the filling level based on the surface echo; evaluating a first portion of the reflected electromagnetic signal exhibiting a time-of- flight corresponding to the first distance from the reference position; determining, based on the evaluation, whether or not the first reference echo is detectable in the first portion of the reflected electromagnetic signal. If it is determined that the first reference echo is detectable in the first portion of the reflected electromagnetic signal, a first signal indicative of the filling level is provided; and if it is determined that the first reference echo is non-detectable in the first portion of the reflected electromagnetic signal, a second signal different from the

No. of Pages: 35 No. of Claims: 18

(62) Divisional to Application Number

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DRIFT FREE LED BASED COLORIMETER

(51) International classification :H01L31 (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/A (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)WESTERN REGIONAL INSTRUMENTATION CENTRE  Address of Applicant:WESTERN REGIONAL INSTRUMENTATION CENTRE UNIVERSITY OF MUMBAI, VIDYANAGARI, KALINA, SANTACRUZ (EAST), MUMBAI 400 098, MAHARASHTRA, INDIA. (72)Name of Inventor:  1)OAK ANAND SHARADCHANDRA 2)SHAH HEMA HITESH 3)CHITTE GOVIND DEVRAM 4)RAMAN KUTTY KADANGA 5)NARSALE ARUN MAHADEV 6)ARORA BRIJ MOHAN
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## (57) Abstract:

Present invention is related to a low cost drift free LED based colorimeter comprising of plurality of Light Emitting Diodes (LEDs), means for sample holders, means for optical sensing, means for measuring detection current, means for microcontroller based process control and means for alphanumeric liquid crystal display. In the drift free LED based colorimeter, the LEDs being solid state devices have instantaneous operation, long life, steady wavelength output over life of instrument, sharp wavelength-intensity distribution and much less power consumption.

No. of Pages: 20 No. of Claims: 14

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

(43) Publication Date: 07/03/2014

## (54) Title of the invention : BIODEGRADATION OF THERMOPLASTIC WASTES AND PRODUCTION OF RHAMNOLIPIDS FROM THE SAID POLLUTANTS

	:C09K8/582,	(71)Name of Applicant :
(51) International classification	C12N1/26,	1)CHAVHAN RANDHIR BHAVLAL
	C12N9/00	Address of Applicant :53, ANAND NAGAR, JAMNER TAL.
(31) Priority Document No	:NA	JAMNER, DIST JALGAON, PIN CODE- 424206 Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)CHAVHAN RANDHIR BHAVLAL
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the field of biodegradation of thermoplastic wastes and production of rhamnolipids from the said waste. More particularly, the present invention relates to the field of the treatment of waste rich in thermoplastics and production of rhamnolipid from the said waste by the degradation of the said pollutants.

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

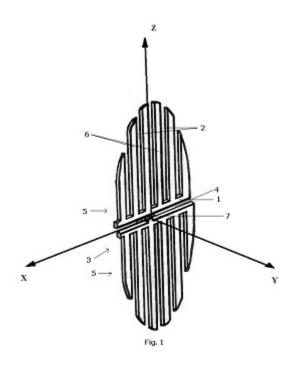
(22) Date of filing of Application :21/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ULTRA WIDEBAND ANTENNA

	:G01S3/50,	(71)Name of Applicant :
(51) International classification	G01S13/62,	1)Modi Anuj Yashodhar
	H01Q21/20	Address of Applicant: 2 Prapti Appartment Opp Ayojanagar
(31) Priority Document No	:NA	Society (gate - 5) Jiveraj Mehta Hospital Road Near Shreyas
(32) Priority Date	:NA	Bridge Vasna Ahmedabad 380 007 GUJARAT,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Modi Anuj Yashodhar
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 UWB planar antenna (3) of self complementary type consists of a symmetrical pair of radiator (5) separated by a spark gap (4). In a preferred embodiment each radiator (5) of said symmetrical pair for transmitting and/or receiving an electromagnetic wave is fabricated from a flat planar semi elliptical metallic sheet of thickness (11) by longitudinally cutting plurality of vertical slots of equal width from vertical top edges of the upper surface said flat planar semi elliptical metallic sheet to up to an offset vertical distance from the base (1) of said flat planar semi elliptical metallic sheet so as to have a vacuum slot (2) of width (9) and its complementary metal part alternatively throughout the width of the each radiator (5).



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

(21) Application No.2876/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COMPOSITIONS COMPRISING OPTICAL BENEFIT AGENTS

:NA

	:C11D3/37,C11D3/386,C11D3/40	
(31) Priority Document No	:1011511.1	1)HINDUSTAN UNILEVER LIMITED
(32) Priority Date	:08/07/2010	Address of Applicant :Unilever House B.D. Sawant Marg
(33) Name of priority country	:U.K.	Chakala Andheri East Mumbai 400 099 MAHARASHTRA,
(86) International Application	DCIT (ED0044 /0 c0 #4 c	INDIA.
No	:PCT/EP2011/060546	(72)Name of Inventor:
Filing Date	:23/06/2011	1)CRAVEN RIchard Michael
(87) International Publication No	:WO 2012/004134	2)PARKER Andrew Philip
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

A packaged, liquid or gel, preferably surfactant-containing formulation, comprising dispersed particles, wherein the particles are water-soluble upon dilution of the product, wherein an optical benefit agent (such as a sunscreen, fluorescer, shading dye or photobleach) and a dye-transfer inhibiting polymer are spatially segregated such that at least one of said agent and polymer are present in particles.

No. of Pages: 38 No. of Claims: 9

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 07/03/2014

## (54) Title of the invention : SURFACTANT COMPOSITIONS COMPRISING CURVED LAMELLAR ELEMENTS AS A VISUAL CUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:C11D17/00 :1011515.2 :08/07/2010 :U.K. :PCT/EP2011/060521 :22/06/2011 :WO 2012/004132 :NA :NA :NA	(71)Name of Applicant:  1)HINDUSTAN UNILEVER LIMITED  Address of Applicant: Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA, INDIA. (72)Name of Inventor:  1)BARNETT Stuart Anthony 2)JONES Craig Warren 3)PARKER Andrew Philip
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#### (57) Abstract:

A packaged, pourable liquid or gel, surfactant-containing formulation comprising a visual cue, wherein the visual cue comprises a plurality of sheet-like elements of dispersed material, preferably formed from modified poly vinyl alcohol, having opposed surfaces wherein the surfaces of the elements are configured such that when an element is located adjacent with a flat inner surface of the package, the element can only contact the inner surface of the packaging over less than 50% of a surface of the element.

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

(21) Application No.2870/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PACKAGED FABRIC CLEANING COMPOSITIONS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li></ul>	:C11D3/33,C11D3/36,C11D17/04 :10168175.7 :01/07/2010 :EPO :PCT/EP2011/060956 :29/06/2011 :WO 2012/001078 :NA :NA	(71)Name of Applicant:  1)HINDUSTAN UNILEVER LIMITED  Address of Applicant: Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA, INDIA. (72)Name of Inventor:  1)PARRY Alyn James
Number	:NA :NA	

## (57) Abstract:

A packaged fabric cleaning product comprising the combination of a high viscosity fabric cleaning composition comprising at least one sequesterant and a package containing the composition, the package comprising: (i) a reservoir in which the fabric conditioning composition is contained; and (ii) a metered pump dispenser having a pump actuator by which the composition is dispensed from the reservoir in a metered dose.

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

(21) Application No.2871/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: PACKAGED FABRIC CLEANING COMPOSITIONS

(51) International :B05B11/00,B29C47/04,B65D25/54,C11D (71)Name of Applicant :

classification 3/43

(31) Priority Document:10168351.4 :02/07/2010

(32) Priority Date (33) Name of priority

:EPO

country

(86) International

:PCT/EP2011/060957 Application No :29/06/2011

Filing Date

(87) International

**Publication No** 

:WO 2012/001079

(61) Patent of Addition:NA

to Application Number :NA Filing Date

(62) Divisional to :NA Application Number

:NA Filing Date

1)HINDUSTAN UNILEVER LIMITED

Address of Applicant : Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA,

INDIA.

(72)Name of Inventor:

1)YOUNG David Iain

#### (57) Abstract:

A packaged fabric cleaning or conditioning product (1) comprising the combination of a fabric cleaning or conditioning composition (3) and a package (2) containing the composition, the package comprising: (i) a reservoir (6) in which the composition is contained with ullage space; (ii) a metered pump dispenser (5) for dispensing a metered dose of the composition, said pump comprising a pump chamber (12) located toward a top of the package within the ullage space, and a pump actuator (8) by which said metered dose is dispensed from the reservoir via the pump chamber, (iii) the reservoir containing one or more translucent regions (50) adjacent at least the pump dispenser and at least a portion of the reservoir below this region, wherein said one or more translucent regions comprise a polyolefin comprising a contact clarifier, such that visibility of the composition is enhanced relative to the visibility of the pump.

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :21/12/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: PROCESS FOR THE MANUFACTURE OF INFUSIBLE BEVERAGE PRODUCTS

(51) International classification :A23F3/14,A23F3/34,A23F3/06 (71)Name of Applicant :

(31) Priority Document No :10168329.0 (32) Priority Date :02/07/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/060958

Filing Date :29/06/2011

(87) International Publication No :WO 2012/001080

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)HINDUSTAN UNILEVER LIMITED

Address of Applicant : Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA,

INDIA.

(72)Name of Inventor:

1)COLLETT Jonathan George 2)ORMEROD Andrew Paul

#### (57) Abstract:

A process for the manufacture of an infusible beverage product comprising hygroscopic fruit pieces the process comprising the steps of: a) providing plant material particles less than 1.5 mm in diameter and fruit pieces; b) admixing the plant material particles and fruit pieces; and then c) combining the plant material particles and fruit pieces with additional infusible beverage product ingredients is provided. An infusible beverage product comprising hygroscopic fruit pieces and plant material particles characterised in that the fruit pieces are less than 8 mm in diameter and the plant material particles are less than 1.5mm in diameter is also provided.

No. of Pages: 21 No. of Claims: 7

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: USE OF GLABRANIN FOR STIMULATING HAIR GROWTH

(51) International classification :A61K8/97,A61Q7/00,A61K31/352

(31) Priority Document No :10168504.8

(32) Priority Date :06/07/2010

(33) Name of priority country: EPO (86) International Application

No :PCT/EP2011/061243

Filing Date :04/07/2011

(87) International Publication :WO 2012/004228

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant:

1)HINDUSTAN UNILEVER LIMITED

Address of Applicant :Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA,

INDIA.

(72)Name of Inventor:

1)BHOGAL Ranjit Kaur 2)ROGERS Julia Sarah

## (57) Abstract:

One of the major hair concerns for both men and women is that of hair loss. For men the most obvious manifestation of this is male pattern baldness known as alopecia areata. However hair shedding resulting in hair thinning is also a concern for both men and women. Individuals suffering hair loss often experience psychological disadvantages, for example social phobia, anxiety, and depression, due to their change in appearance. This invention relates to a hair care composition comprising glabranin or a derivative thereof. The invention also relates to a cosmetic method for increasing hair fibre diameter, stimulating hair growth, retaining hair or reducing hair loss, stimulating hair follicle growth in anagen or telogen phases, increasing hair fibre density and preventing or treating alopecia.

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

(22) Date of filing of Application :25/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEM AND METHODS FOR PROVIDING INFORMATION LINKED TO TRAVEL OR TRANSPORT.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G06Q 10/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)DEVENDRA PATNE Address of Applicant:HIRA NAVJIVAN CHS BLDG 108 ROOM NO. 3273, PANTNAGAR GHATKOPAR-EAST, MUMBAI, -400075, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)DEVENDRA PATNE
(87) International Publication No	:N/A	1)DEVENDRATATIVE
(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 in a preferred embodiment provides systems and methods for providing information linked to travel or transport. The systems of the invention comprises of, at least one user, a message exchanging mechanism, a data processing mechanism, one or more data storage device, and at least one travel or transport action, wherein when data is fed in by a user using any input device, a exchange of message occurs leading to a data processing mechanism using predefined algorithm or protocol. The said user or said travel or transport action may be associated with the system at any point of time which includes present as well as future. All information linked to travel or transport is stored in the one or more data storage devices.

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

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR PRESENTING RELEVANT ARTICLES AND REPRESENTATIVE INFORMATION THEREOF

(51) International classification	:H04N5/76, H04N5/44, H04H60/65	(71)Name of Applicant:  1)REDIFF.COM INDIA LIMITED  Address of Applicant: MAHALAXMI ENGINEERING
(31) Priority Document No	:NA	ESTATE, #1 L.J. ROAD, MAHIM(WEST) MUMBAI 400 016,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SHAH, VISHAL
Filing Date	:NA	2)BANERJEE, KALPANA
(87) International Publication No	:N/A	3)AGARWAL, SURABHI
(61) Patent of Addition to Application Number	:NA	4)RUHELA,GAURAV
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention provides a method and apparatus for composing a representative description. The method includes selecting a first query candidate (QC) from multiple query candidates (QCs), identifying a second QC from the multiple QCs, analysing overlap in content of the second QC and in content of the first QC. Each of the multiple QCs has a score. The first QC has highest score. Each of the multiple QCs is extracted from a cluster of one or more digital documents.

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

(22) Date of filing of Application :20/08/2009 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN APPARATUS AND METHOD FOR GAMMA IRRADIATION

	:G21C 11/00.	(71)Name of Applicant: 1)WALCHANDNAGAR INDUSTRIES LTD.
(51) International classification	G21C	Address of Applicant :WALCHAND HOUSE, 15/1/B-G.A.
	11/08	KULKARNI PATH, KOTHRUD PUNE - 411 038
(31) Priority Document No	:NA	MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MR. DINESH KULKARNI
(86) International Application No	:NA	2)MR. MANJUNATH VARAMBALLY
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an apparatus and method for gamma irradiation. More particularly ft relates to four side irradiation of a product. The invention employs an assembly that moves in a circular direction such as a Giant wheel (or a Spider) and facilitates the movement of the products around the radiation source for effective and optimum irradiation. The invention provides unique tote stacking and shuffling, product movement system, source movement system, for the targeted invention aims mentioned in this document.

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

(19) INDIA

(22) Date of filing of Application :24/12/2012

(21) Application No.2888/MUMNP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: SEALING BOX

(51) International classification	:F24F13/20	(71)Name of Applicant:
(31) Priority Document No	:2010101826538	1)LIU Yuling
(32) Priority Date	:24/05/2010	Address of Applicant :40-1-402 Tai Wan Cun Lai Shan
(33) Name of priority country	:China	Yantai Shandong 264000 China
(86) International Application No	:PCT/CN2011/074284	(72)Name of Inventor:
Filing Date	:18/05/2011	1)HUANG Wenfei
(87) International Publication No	:WO/2011/147275	2)LIU Yuling
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a sealing cabinet (10) which is mainly constituted by insulation panels (110) and joint modules (120 120<sup>TM</sup>) at least one insulation door (130) and door frame modules (140 140<sup>TM</sup>) sealing strips (160 160<sup>TM</sup>) and fasteners (180). The joint modules (120 120<sup>TM</sup>) are integrally formed with one part as a joint end having a male connector (121a 121a<sup>TM</sup>) or a female connector (121b<sup>TM</sup> 121b<sup>TM</sup>) formed thereon and another part as a connecting end including an outer side wall (122 122<sup>TM</sup>) and an inner side wall (123 123<sup>TM</sup>) to connect with the insulation panel (110). The door frame modules (140 140<sup>TM</sup>) are integrally formed with a joint end having a corresponding male connector (121a 121a<sup>TM</sup>) or a female connector (121b 121b<sup>TM</sup>) formed thereon and another part including a hollow column and a fringe (143 143<sup>TM</sup>) extending horizontally there from.

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

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD DEVICE AND RESPIRATOR FOR CONTROLLING FLOW

(51) International classification	:A62B9/02, A62B18/10, A61M16/00	(71)Name of Applicant:  1)BEIJING AEONMED CO. LTD.  Address of Applicant: No.4 Hangfeng Road Fengtai Science
(31) Priority Document No (32) Priority Date	:201010619916.7 :31/12/2010	Park Fengtai District Beijing 100070 China (72)Name of Inventor:
(33) Name of priority country	:China	1)JIN Wenxian
(86) International Application No Filing Date	:PCT/CN2011/084689 :26/12/2011	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/089088	
Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method device and respirator for controlling flow. Among them the method comprises: a two way flow controller triggers transferring a gas to a patient according to the detection conditions to provide the patient with a first breath through a breathing circuit (S202); when the first breath is finished a release unit is opened to release the gas in a dead space of the breathing circuit and a basal flow is transferred to the release unit (S204); then the two way flow controller again triggers transferring the gas to the patient to provide the patient with a second breath (S206). Said method and device enable the patient to breathe a fresh gas all the time; when the patient has an aspiration action he/she can breathe the fresh gas thus reducing the breathing work of the patient.

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

(21) Application No.2891/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD AND DEVICE FOR CALCULATING BREATHING FREQUENCY OF MEDICAL **BREATHING DEVICE**

(51) International classification :A61B5/08,A61M16/00 (71)Name of Applicant : (31) Priority Document No :201010620587.8 (32) Priority Date :31/12/2010

(33) Name of priority country :China

(86) International Application No :PCT/CN2011/084696 Filing Date :26/12/2011

(87) International Publication No :WO 2012/089091

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

1)BEIJING AEONMED CO. LTD.

Address of Applicant :No.4 Hangfeng Road Fengtai Science

Park Fengtai District Beijing 100070 China

(72)Name of Inventor:

1)LIU Zhiyu

#### (57) Abstract:

A method and a device for calculating a breathing frequency of a medical breathing device. The method comprises: recording breathing data in real time the data comprising the time of each inspiration and an inspiration state and the inspiration state comprising with inspiration and without inspiration(S102); and each time the breathing data is recorded calculating the breathing frequency of the medical breathing device according to data recorded in the current recording operation and data recorded within a preset period of time prior to the current recording operation (S104). Through the method and the device the problem of slow calculation of the breathing frequency can be solved and the breathing frequency of a patient can be calculated within a time as short as possible.

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

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR PRODUCING OXYGEN BY PRESSURE SWING ADSORPTION

(51) International classification :C01B13/02,B01D53/047 (71)Name of Applicant : (31) Priority Document No 1)BEIJING AEONMED CO. LTD. :201010620435.8 (32) Priority Date Address of Applicant :No.4 Hangfeng Road Fengtai Science :31/12/2010 (33) Name of priority country :China Park Fengtai District Beijing 100070 China (72)Name of Inventor: (86) International Application No :PCT/CN2011/084728 1)XU Qingbin Filing Date :27/12/2011 (87) International Publication No :WO 2012/089100 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

Provided is a method for producing oxygen by pressure swing adsorption comprising one or more predetermined treatment steps. For each predetermined treatment step the predetermined treatment is performed in each tower in the oxygen generating system and a plurality of adjacent towers flanking each of the two sides of the tower. The method facilitates the increase of the oxygen recovery rate in oxygen production by pressure swing adsorption.

No. of Pages: 32 No. of Claims: 13

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND DEVICE FOR DETECTING BLOCKAGE OF BREATHING 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>	:A62B7/10, A62B18/08, A61M16/00 :201010620835.9 :31/12/2010 :China :PCT/CN2011/084700 :26/12/2011 :WO 2012/089093 :NA :NA	(71)Name of Applicant:  1)BEIJING AEONMED CO. LTD.  Address of Applicant: No.4 Hangfeng Road Fengtai Science Park Fengtai District Beijing 100070 China (72)Name of Inventor:  1)LI Zhi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and a device for detecting blockage of a breathing apparatus. The method for detecting blockage of a breathing apparatus comprises: detecting pressures and flow rates at an inspiration end and an expiration end of the breathing apparatus (a); and performing calculation according to the pressures and the flow rates and determining the position of a blockage of the breathing apparatus according to a result of the calculation (b). The device for detecting blockage of a breathing apparatus comprises: a check module (301) for checking before normal aeration whether errors in pressure and flow rate are within preset ranges; a detection module (303) for detecting pressures and flow rates at the inspiration end and the expiration end of the breathing apparatus; and a calculation module (305) for performing calculation according to the pressures and the flow rates and determining the position of a blockage of the breathing apparatus according to the result of the calculation. The method and device for detecting blockage of a breathing apparatus can determine blockage in the breathing tube the user end airway and the expiration end in as short a time as possible.

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

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEM AND METHOD PROVIDING MULTI-MODALITY INTERACTION OVER VOICE CHANNEL BETWEEN COMMUNICATION DEVICES

(74) 7	G.1.07. 5.1.10.0	
(51) International classification	:G10L21/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(33) Name of priority country	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(86) International Application No	:NA	INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHEIKH, IMRAN AHMED
(61) Patent of Addition to Application Number	:NA	2)KOPPARAPU, SUNIL KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method facilitating enhanced multi-modality interaction between communication devices has been disclosed. An interactive system transmits the data to a first communication device upon receiving a request for initiating an interaction. The interactive system by way of its intelligent module analyzes one or more parameters associated with the first communication device in order to select the modality of data to be transmitted. The data is transmitted over a preset voice communication path by converting the format of data as per the modality thus selected. The first communication device by way of its switching module identifies the modality of the data and reconverts the signal into the data (voice or text).

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

(21) Application No.2779/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PRODUCT COMPRISING STEVIA

(51) International classification	:A23L1/236,A23L1/22	(71)Name of Applicant:
(31) Priority Document No	:10167311.9	1)HINDUSTAN UNILEVER LIMITED
(32) Priority Date	:25/06/2010	Address of Applicant :Unilever House B.D. Sawant Marg
(33) Name of priority country	:EPO	Chakala Andheri East Mumbai 400 099 MAHARASHTRA,
(86) International Application No	:PCT/EP2011/060174	INDIA.
Filing Date	:17/06/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/161027	1)ASUMADU MENSAH Aboagyewa
(61) Patent of Addition to Application	:NA	2)BERGER Matthias
Number	:NA	3)JONES Timothy Graham
Filing Date	.11/1	4)POVEY Kevin John
(62) Divisional to Application Number	:NA	5)WILKINSON Annabel Louise
Filing Date	:NA	

# (57) Abstract:

The present invention relates to products comprising stevia. Products according to the present invention comprise a sweetening agent derived from Stevia rebaudiana that comprises rebaudioside A wherein the product comprises solids from Aspalathus linearis.

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

(22) Date of filing of Application :27/12/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: DEVICE FOR CONTROLLING THE INCLINE OF A FRAME MOUNTED ON AN INCLINABLE **RUNNING GEAR**

(51) International :B60G17/005,B60G21/00,B62D9/02

classification (31) Priority Document No

(32) Priority Date

:1002630 :23/06/2010

(33) Name of priority country: France

(86) International :PCT/FR2011/000355

Application No :22/06/2011 Filing Date

(87) International Publication :WO 2011/161334

(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)VELEANCE

Address of Applicant :Ppini re dentreprises Parc du Pontet 100

route des Houilli"res F 13590 Meyreuil France

2)SOCIETE DE RECHERCHES ET DEVELOPPEMENTS

AUTOMOBILES (72)Name of Inventor:

1)GAILLARD GROLEAS Jr'me

2)SCHAEFFER Gilles

# (57) Abstract:

The present invention relates to a device mounted on a running gear comprising: a rocker arm (14) connected to an inclinable frame (10) by means of a shock absorber (17) and to two oscillating arms (7 8) via two connecting rods (13 15); and a locking means (27) a first anchor point of which is located on the rocker arm (14). In addition said device includes a decoupling means consisting of a horizontal lever (21) and a vertical lever (22) connected by a connecting point (24) about which said levers are able to pivot the free ends of said levers being connected to the frame and to the rocker arm respectively. The second anchor point of the blocking means (27) is located on the decoupling means. The invention also relates to a vehicle in particular a quadracycle provided with said device.

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

(22) Date of filing of Application :27/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR CONTROLLING A SECONDARY ENERGY STORAGE

(51) International classification	:B60L3/00, B60W10/26	(71)Name of Applicant: 1)VOLVO LASTVAGNAR AB
(31) Priority Document No	:NA	Address of Applicant :S 405 08 Gteborg Sweden
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)LASSON Anders
(86) International Application No	:PCT/SE2010/000151	
Filing Date	:02/06/2010	
(87) International Publication No	:WO 2011/152763	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for controlling a hybrid vehicle in an emergency situation. Said hybrid vehicle comprising an internal combustion engine, a rechargeable electric energy storage system, and an electrical motor drive system. Said method comprising the actions of: detecting a failure of a control unit for controlling the electrical motor drive system, disconnecting the rechargeable electric energy storage system from the hybrid vehicle, limiting the maximum speed of the internal combustion engine from a first RPM value to a second RPM value. The invention also relates to an apparatus for controlling a hybrid vehicle in an emergency situation and a computer program storable on a computer readable medium, comprising a program code for use in an on-board-diagnosis method for controlling a hybrid vehicle in an emergency situation.

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

(19) INDIA

(22) Date of filing of Application :17/01/2011

(21) Application No.138/MUM/2011 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: CRATE

<ul> <li>(51) International classification</li> <li>(31) 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>	:B65D90/12, B65D6/28 :NA :NA :NA :NA	(71)Name of Applicant: 1)NILKAMAL LIMITED Address of Applicant:SURVEY NO.354/2 & 354(3), NEAR RAKHOLI BRIDGE, SILVASSA-KHANVEL ROAD, VILLAGE VASONA SILVASSA (D & NH), INDIA (72)Name of Inventor: 1)PAREKH NAYAN
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	THE REPORT OF THE PARTY OF THE
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A crate for shipment of articles is disclosed. The crate includes a base, a plurality of side walls and reinforcement structures. The plurality of side walls is extending from the base and meeting at corners. The reinforcement structures are provided at least at a portion of the corners.

No. of Pages: 18 No. of Claims: 9

(22) Date of filing of Application :31/08/2009 (43) Publication Date : 07/03/2014

# (54) Title of the invention: STORAGE STABLE EDIBLE PLAINTAIN PRODUCT AND PROCESS FOR MAKING THE SAME.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	A23L1/212 :NA	(71)Name of Applicant:  1)ASHOK PRABHAKAR GADE  Address of Applicant:201, SHANI PETH, NEAR BALIRAM MANDIR, JALGAON, 425001, MAHARASHTRA, INDIA.  2)KUSUM ASHOK GADE  (72)Name of Inventor:  1)ASHOK PRABHAKAR GADE  2)KUSUM ASHOK GADE
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#### (57) Abstract:

Banana is a very common, cost effective and easily available fruit in India. It is an ideal food for children and invalids. Currently, there is very limited commercial processing of bananas. Most people consume bananas fresh, steamed, or boiled. During bumper harvests, farmers sell bananas at give-away prices and a lot of harvest is wasted. Banana is a perishable fruit that undergoes fast ripening and hence is very difficult to transport to distant places. The present invention describes a storage stable banana product that can be stored for a long time, without loosing the nutritional quality, can be transported to distant markets, where bananas are not grown, can be sold in local markets and to hotels and supermarkets. The said product can be consumed as it is or after deep frying or roasting

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

(22) Date of filing of Application :20/01/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A PROCESS FOR REDUCING ENDOTOXIN LEVELS IN CRUDE HUMAN CHORIONIC GONADOTROPIN

<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>	:A61K38/24, A61K47/44 :NA :NA :NA	(71)Name of Applicant:  1)SANZYME LIMITED  Address of Applicant: A-2, SILVER BELLE, SRINIVAS BAGADKAR MARG, J.B. NAGAR, ANDHERI (EAST), MUMBAI - 400 059, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)K.V.S. PRASAD
(87) International Publication No	: NA	2)JAY L. SOMAN
(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 reducing the endotoxin levels in hCG, comprising steps of: a) subjecting hCG containing solution to atleast one or more precipitation steps including addition of organic or inorganic salt(s) and separating precipitate(s) by suitable means to obtain hCG solution with reduced endotoxin levels, b) subjecting the hCG solution with reduced endotoxin level to atleast one filtration step, preferably ultrafiltration step, c) subjecting ultrafiltered hCG solution to purification process for further reducing endotoxin levels and d) recovering hCG with reduced endotoxin levels of less than 0.03 EU/IU. The process of the present invention reduces the endotoxin levels to pharmacopeially acceptable levels in hCG for human consumption.

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

(21) Application No.2762/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CARBON SEQUESTRATION IN MUNICIPAL SOLID WASTE TO ENERGY PLANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/604,257 :05/09/2012 :U.S.A. :NA :NA	1 /
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

This invention describes a process for a complete sequestration of carbon (CO2) from Municipal Solid Waste (MSW) to energy plants which produce Refuse Derived Fuel and the associated exhaust gases. The described process results in production of energy from the waste and disposal of the MSW with zero carbon emission.

No. of Pages: 23 No. of Claims: 14

(12) I TITELVI TILI ELETTIOIVI OBELETTIOI

(22) Date of filing of Application :26/12/2012

(21) Application No.2902/MUMNP/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: PIPETTE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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/JP2010/003607 :28/05/2010 :Japan	(71)Name of Applicant:  1)EIKEN KAGAKU KABUSHIKI KAISHA Address of Applicant: 4 19 9 Taito Taito ku Tokyo 1108408  Japan (72)Name of Inventor: 1)SAITO Shingo 2)YUKI Yasutaka 3)ICHIKAWA Yoshiharu
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#### (57) Abstract:

(19) INDIA

A pipette is provided with a cylinder (1) having a front end (1a) to which a pipette tip (3) is removably attached and also with a piston (7) fitted in the cylinder chamber (6) so that the piston (7) can be advanced and retracted and the pipette sucks liquid when the piston (7) is retracted and discharges the sucked liquid when the piston (7) is advanced. A communication groove (17) is provided in the outer periphery of the piston (7). The communication groove (17) is located outside the cylinder chamber (6) when the piston (7) is located at the retracted position and the communication groove (17) causes the inside and outside of the cylinder chamber (6) to communicate with each other when the amount of advance of the piston (7) is greater than a predetermined dimension. When the amount of advance of the piston (7) is greater than the predetermined dimension the sealing between the cylinder chamber (6) and the piston (7) is rendered ineffective. This causes the pressure within the cylinder chamber (6) to be the same as the atmospheric pressure thereby cancelling the suction/discharge effect.

No. of Pages: 35 No. of Claims: 7

(21) Application No.2910/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : PROCESS FOR THERMAL SEPARATION OF A SOLUTION CONSISTING OF THERMOPLASTIC POLYMER AND SOLVENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/06/2011 :WO 2012/000658 :NA :NA :NA	(71)Name of Applicant:  1)LIST HOLDING AG  Address of Applicant: 24 Berstelstrasse CH 4422 Arisdorf Switzerland (72)Name of Inventor:  1)WITTE Daniel  2)ISENSCHMID Thomas 3)STEINER Manuel
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a process for thermal separation of a solution composed of thermoplastic polymer and solvent in which the solution is heated under pressure above the critical point of the solvent and then decompressed into a vessel (5) so as to form a polymer rich phase and a low polymer phase the polymer rich phase being supplied to a second vessel (8) a) a pressure jump on entry into the second vessel (8) should lead to a thermal flash in the second vessel (8) the polymer content of the heavy phase rising to at least 70% especially more than 80% and b) the resulting polymer rich solution is supplied especially distributed over at least a portion of the length of a stirrer shaft which is within the same vessel space and which heats the polymer composition by mechanical kneading energy with the effect that the polymer content rises to >70% especially >90%.

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

(22) Date of filing of Application :27/12/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: ROLLING MACHINE AND TANDEM ROLLING FACILITY EQUIPPED WITH SAME

(51) International :B21B13/14,B21B13/02,B21B27/00 classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/JP2010/061935

:15/07/2010

Filing Date

(87) International Publication: WO 2012/008030

(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)MITSUBISHI HITACHI METALS MACHINERY INC.

Address of Applicant :34 6 Shiba 5 chome Minato ku Tokyo

1080014 Japan

(72)Name of Inventor:

1)NORIKURA Takashi

# (57) Abstract:

Provided are a rolling machine which has a work roll adequately reduced in diameter to effectively roll a hard rolled material and a tandem rolling facility equipped with the same. To this end the rolling machine (11) includes a pair of upper and lower work rolls (22); a pair of upper and lower intermediate rolls (23) which support the respective work rolls (22) from above and below and are supported to be movable along the roll axis the intermediate rolls (23) having a tapered portion (23b) at the end portions of the upper and lower rolls the end portions being symmetric about a point on the center of plate width of the rolled material (1); a pair of upper and lower reinforcing rolls (24) for supporting the respective intermediate rolls (23) from above and below; a pair of upper and lower support rolls (41a to 41d) for supporting the respective work rolls (22) from the inlet and outlet sides; and two pairs of upper and lower separate bearing shafts (42a to 42d 43a to 42d) for supporting the respective support rolls (41a to 41d) from the inlet and outlet sides wherein the work roll has a diameter range of (the work roll diameter)/(the maximum plate width of the rolled material) being greater than 0.1 and equal to or less than 0.16.

No. of Pages: 36 No. of Claims: 6

(19) INDIA

(22) Date of filing of Application :27/12/2012

(21) Application No.2912/MUMNP/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: BELT INSTALLATION JIG

(51) International classification	:F16H7/24	(71)Name of Applicant:
(31) Priority Document No	:2010138627	1)BANDO CHEMICAL INDUSTRIES LTD.
(32) Priority Date	:17/06/2010	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/JP2011/003419	(72)Name of Inventor:
Filing Date	:15/06/2011	1)KUNISADA Takashi
(87) International Publication No	:WO 2011/158505	2)YOSHIMI Takemasa
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a belt installation jig provided with a jig body (10) which is disposed along a side surface of a pulley (1) and one end of which is located more forward in the rotational direction of the pulley than is the other end; and a guide section (15) which is provided in such a way as to protrude to the front of the rotational direction of the pulley from an abutting section (11) located at one end of the jig body (10) and which fits into the groove of the pulley (1) and which furthermore is positioned away in the rotational direction of the pulley from a torsion prevention plate (12) located at the other end of the jig body (10) resulting in a gap being formed with respect to the torsion prevention plate (12) and which guides a belt (B) to the gap from the base end surface. The belt (B) which is guided into the gap is held by the torsion prevention plate (12) and by the side surface of the pulley (1) whereon the jig is installed in such a way that the internal peripheral surface of the belt (B) faces the pulley. In conjunction with the rotational movement of the pulley (1) the belt installation jig moves in the rotational direction of the pulley thereby fitting the belt (B) into the groove.

No. of Pages: 51 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BEVERAGE BREWING APPARATUS AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A47J31/40 :10169487.5 :14/07/2010 :EPO :PCT/EP2011/060539 :23/06/2011 :WO 2012/007258 :NA :NA	(71)Name of Applicant:  1)HINDUSTAN UNILEVER LIMITED  Address of Applicant: Unilever House B.D. Sawant Marg Chakala Andheri East Mumbai 400 099 MAHARASHTRA, INDIA. (72)Name of Inventor:  1)QUINN Anthony Edward 2)KARREMAN Marco 3)GERBRANDA Tjeerd Jan Pieter 4)MULLER Edwin Jeroen
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2781/MUMNP/2012 A

#### (57) Abstract:

The present invention has as an objective to provide an apparatus for brewinga beverage that provides an attractive brewing experience for the consumer which can perform an effective and efficient brewing process and which also can be easily rinsed to remove any spent infusible material. These objectives have been met by a beverage brewing machine comprising an at least one water inlet port that is arranged at an angle of less than 4 degrees relative to the wall of the brew chamber to direct water around the wall of the brew chamber. The apparatus also provides for improved agitation of infusible material. Moreover a method is provided to brew a beverage using the brewing machine of the invention.

No. of Pages: 30 No. of Claims: 16

(22) Date of filing of Application :21/10/2010 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ANIMAL AND PRODUCE THEREOF MANAGEMENT SYSTEM AND METHOD

(51) International classification (31) Priority Document No	G06F19/00 :NA	(71)Name of Applicant:  1)PRASHANT TIWARI Address of Applicant: 401 DEEP JYOTI, OPP. NEW RTO
(32) Priority Date (33) Name of priority country	:NA :NA	SAHYADRINAGAR, KALYAN-WEST, DISTT. THANE 421 301, MAHARASHTRA, INDIA.
(86) International Application No Filing Date	:NA :NA	2)OMWATI (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)PRASHANT TIWARI 2)OMWATI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Animal produce management system and method thereof Invention discloses a mobile phone or terminal or wire or wireless based system for farmers for animal produce, products and intermediates and management, said system comprising, built in or uploaded application software (AS1)having a farmer user interface consisting of said interface provided with input means and out put display means(I/O1) to input/display demand or query or advice, transmitting and receiving means(TRM1) to transmit and receive text, audio or video data, a query formulation means(QFM1), a data processing means(DPM1), a remote server means(RS) comprising transmitting and receiving means(TRM2) to receive and transmit text, audio or video data from mobile phone or terminals, a database (DB), a data processing means(DPM), a query formulation and processing means(QFM) to generate queries according to the collected data, an advice formation means (AFM), another transmitting and receiving means(TRM3), an interface (I/O-2)for transmitting and receiving text, audio or video data to and from various client servers(S1,S2,S3) or terminals over wire or wireless network and an built-in application software(AS2).

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

(21) Application No.2919/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: PRECHAMBER SPARKPLUG

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2010 022 564.9	1)MTU FRIEDRICHSHAFEN GMBH
(32) Priority Date	:02/06/2010	Address of Applicant :Maybachplatz 1 88045 Friedrichshafen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/002620	(72)Name of Inventor:
Filing Date	:27/05/2011	1)ERNST Anko
(87) International Publication No	:WO 2011/151035	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A prechamber sparkplug (1) is proposed having a central centre electrode (2) having at least one ground electrode (3) which is separated from the centre electrode (2) forming a spark gap (7) and having at least one passage hole (9) in a prechamber cap (4) wherein the ground electrode (3) has an inner circumferential surface which faces the centre electrode (2) and has an outer circumferential surface which is averted from the centre electrode (2). The invention is characterized in that the inner circumferential surface of the ground electrode (3) in the longitudinal direction of the prechamber sparkplug (1) faces a concave profile when subject to tensile stress and the outer circumferential surface in the longitudinal direction of the prechamber sparkplug (1) faces a convex profile when subject to a compressive stress.

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

(21) Application No.2920/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PAPER FOR INKJET RECORDING

(51) International classification	:B41M5/50,D21H19/82	(71)Name of Applicant:
(31) Priority Document No	:10168352.2	1)OMYA DEVELOPMENT AG
(32) Priority Date	:02/07/2010	Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/061008	(72)Name of Inventor:
Filing Date	:30/06/2011	1)GANE Patrick A.C.
(87) International Publication No	:WO 2012/001104	2)KUKKAMO Vesa
(61) Patent of Addition to Application	:NA	3)RIDGWAY Catherine Jean
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention concerns a print medium for inkjet printing and a method of producing such a print medium. In particular, the present invention is directed to a print medium comprising a base layer having a first side and a reverse side, an absorptive layer being in contact with the first side of the base layer, and a topcoat being in contact with the absorptive layer.

No. of Pages: 42 No. of Claims: 24

(22) Date of filing of Application :12/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF BOSENTAN

(51) International classification :C07D239 (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)CADILA PHARMACEUTICALS LIMITED  Address of Applicant: Cadila Pharmaceuticals Ltd. Cadila Corporate Campus Sarkhej Dholka Road Bhat Ahmedabad 382210 Gujarat INDIA. (72)Name of Inventor:  1)MODI Rajiv Indravadan 2)GUDAPARTHI Omprakash 3)CHOWDHARY Anil Shankar 4)KUMAR Neeraj 5)GAVALE Sharad Natthu 6)SONI Sanjay Kanhaiyalal 7)PATEL Nilesh Govind 8)PANDIT Unnat Priyavadan
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# (57) Abstract:

The present invention relates to a process for the preparation of Bosentan (Formula 1) or pharmaceutically acceptable salts or hydrates thereof which results the product substantially free of impurities like ethylene glycol bis-sulfonamide dimer and 6-hydroxy sulfonamide. The process according to present invention is also producing Bosentan sodium and Bosentan ammonium which gives Bosentan or pharmaceutically acceptable salts or hydrates thereof in improved yield and quality as compared to prior art processes.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AMLA FRUIT SHELL AS A MEDIUM IN DUAL MEDIA WATER PURIFICATION FILTER

(51) International classification (31) Priority Document No	:B01D39/00 :NA	(71)Name of Applicant: 1)BHOLE, ANAND GOVIND
(32) Priority Date	:NA	Address of Applicant :YASH ENCLAVE, PLOT NO. 259,
(33) Name of priority country	:NA	DHARAMPETH EXT., NAGPUR-440010 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BHOLE, ANAND GOVIND
(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 the field of water purification, rapid gravity sand filters are most commonly used to remove the impurities present in water. Sand media is used in these filters. Dual media filter is the modification of the rapid gravity sand filter where anthracite is universally used as a medium alongwith sand. Dual media filter permits higher rate of filtration compared to that in rapid gravity sand filter. But anthracite of required quality is not available in required quantity in India.. Hence in the present invention Amla fruit crushed shell is used as a substitute for anthracite, since the characteristics of anthracite very well match with that of crushed Amla shell. Amla fruits are amply available in large quantities at low cost in India. The Amla shell does not decompose although it remains in contact with water for a long time; it does not add its taste, odour or colour to water. Its specific gravity is 1.4. It. is a quite hard material having minimum wear and tear when used as a filtering media. Hence Amla fruit crushed shell as a substitute for anthracite has been claimed in this invention, the crushed shell to be used along with sand in the dual media water purification filter.

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

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

(19) INDIA

(22) Date of filing of Application :20/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : SYSTEM FOR THE REGISTRATION AND SALE OF PRECIOUS STONES AND SIMILAR COMMODITIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:16/04/2010 :WO 2011/127870 :NA :NA	(71)Name of Applicant:  1)ZDENEK Stehne Address of Applicant:Nim. Cs. Legi 907 530 02 Pardubice Czech Republic  2)JAKUBEK Stanislav (72)Name of Inventor: 1)ZDENEK Stehne 2)JAKUBEK Stanislav
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

This particular solution involves a system for the registration and sale of precious stones and similar commodities whose substance lies in databank (2) listing precious stones being interactively linked to databank (1) listing the names of stars while databank (2) of precious stones listing the registered gems (2.1 2.2... 2.n) is interactively linked to seller s terminal (4) and to customers databank (3) while each precious stone (2.1 2.2... 2.n) is assigned an appropriate unique name of a star (1.1 1.2... l.n) listed in databank (1) containing the names of stars. Each registered precious stone (2.1 2.2... 2.n) is provided with identification signs in the form of implemented microdots.

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

(22) Date of filing of Application :26/04/2011 (43) Publication Date : 07/03/2014

(54) Title of the invention : SUSTAINABLE CHEMICAL PROCESS FOR ISOLATION OF 1-AMINO-8-NAPHTHOL-3,6-DISULPHONIC ACID (H-ACID) WITH INHERENT RECYCLE OF ALL ACIDIC STREAMS GENERATED DURING ISOLATION AND WASHING OF H 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D 333/00 L :NA :NA :NA :NA :NA :NA :NA :NA :NA	71)Name of Applicant:  1)NEWREKA GREEN SYNTH TECHNOLOGIES PVT TD.  Address of Applicant:RANG ASHISH, 2 DREAMLAND CHS, OPP DIAMOND GARDEN, CHEMBUR, MUMBAI 400 71, MAHARASHTRA, INDIA.  2)BHADRESH K PADIA  3)NITESH H NEHTA 72)Name of Inventor: 1)BHADRESH K PADIA 2)NITESH H MEHTA 3)KOMAL MAHESHWARI 4)RAJESH MOHALKAR 5)ASHWINI GUNNAL
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#### (57) Abstract:

Isolation of Naphthalene Sulphonic Acid Compounds is achieved with acidification of alkali fusion mixture with dilute sulphuric acid to precipitation at the predetermined conditions temperature, time and pH and Naphthalene Sulphonic Acid Compounds is separated as a partial alkali metal salt by precipitation and separated by filtration. The resulting filtrate after recycle treatment containing soluble Naphthalene Sulphonic Acid Compounds and/or a salt thereof after recycle treatment is used as a starting reaction medium, top up reaction medium, dilution reaction medium for said subsequent isolation of Naphthalene Sulphonic Acid Compounds. Isolation of Naphthalene Sulphonic Acids can be achieved by two methods viz. forward isolation and Reverse isolation.

No. of Pages: 73 No. of Claims: 15

(21) Application No.2368/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL MICROPARTICULATE COMPOSITIONS OF POLYPEPTIDES

## (57) Abstract:

There is provided pharmaceutical microparticulate compositions of biologically active polypeptides and methods of forming and using such compositions. More particularly, microparticle compositions for sustained release of biologically active polypeptides are provided. Compositions of biologically active polypeptides with desired release profile can be prepared without using any sugar. The microparticle compositions of this invention comprise a biocompatible polymer, a biologically active polypeptide, and optionally, pharmaceutical excipients other than sugar.

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

(21) Application No.2461/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: BRAKE SLACK ADJUSTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	F16D65/56, F16D65/38 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA MOTORS LIMITED  Address of Applicant: Bombay House 24 Homi Mody Street  Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA. (72)Name of Inventor:  1)SHRIDHARE M.V.  2)BHAT BHUPENDRA V.  3)SAKTHIVEL E.
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure relates a brake slack adjuster for adjusting slack between a brake shoes and a brake drum of a vehicle. The brake slack adjuster comprising: a body having a first portion connectable to a brake actuator; an incremental mechanism provided within the body, the incremental mechanism adapted to steppedly rotate an adjustment shaft based on a predefined input from the brake actuator; a control arm mounted on the body and having a toothed gear engaged with the incremental mechanism; an anchor bracket connected to the control arm and the vehicle; and an incremental plate adapted to be connected to the anchor bracket for engaging with the control arm thereby locking the control arm with respect to the vehicle at one or more locking positions.

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

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A DESUPERHEATER SEAT RING APPARATUS

(51) International classification	:B01F3/04	(71)Name of Applicant:
(31) Priority Document No	:12/793428	1)SPX CORPORATION
(32) Priority Date	:03/06/2010	Address of Applicant :13515 Ballantyne Corporate Place
(33) Name of priority country	:U.S.A.	Charlotte NC 28277 U.S.A.
(86) International Application No	:PCT/US2011/039012	(72)Name of Inventor:
Filing Date	:03/06/2011	1)RISTAU David
(87) International Publication No	:WO 2011/153403	2)IGNATAN Veaceslav
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an apparatus and method of deploying a desuperheater with a Seat-Ring designed to provide coolant injection at high temperature differential. The present inventions robust design provides for a high level of flexibility that allows operating at high temperature differentials between the coolant and the superheated fluid. The desuperheater Seat-Ring is made as a split hollow ring with a perpendicular slit traversing the rings circumference. The opened slit design pro -vides a high level of flexibility, which allows the seat ring to sustain severe temperature extremes by reducing thermal stress. The coolant is supplied to the seat ring through a specially designed coolant nipple liner connected to the seat- ring.

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

(21) Application No.2929/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: RF RANGING-ASSISTED LOCAL MOTION SENSING

(51) International classification	:H04L29/08	(71)Name of Applicant :
(31) Priority Document No	:12/816,945	1)QUALCOMM INCORPORATED
(32) Priority Date	:16/06/2010	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2011/040762	United States of America.
Filing Date	:16/06/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/159939	1)TSAI Ming-Chang
(61) Patent of Addition to Application	:NA	2)EKBAL Amal
Number	:NA	3)JULIAN David Jonathan
Filing Date	.IVA	4)LEE Chong U.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Example methods, apparatuses, and articles of manufacture are disclosed herein that may be utilized to facilitate or otherwise support RF ranging-assisted local motion sensing based, at least in part, on measuring one or more characteristics of a range between communicating devices in one or more established RF links.

No. of Pages: 60 No. of Claims: 25

(21) Application No.3123/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/11/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AN APPARATUS FOR 3 DIMENSIONAL MIXING AND / OR BLENDING OF THE MATERIAL KEPT IN A BOWL

:A47J	(71)Name of Applicant :
43/04,	1)JIGAR TALATI
B01F15/00	Address of Applicant :A-208, PRARTHNA PRITI, NEAR
:NA	TULSIDHAM APT. MANJALPUR, VADODARA - 390 011,
:NA	GUJARAT,INDIA
:NA	(72)Name of Inventor:
:NA	1)JIGAR TALATI
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	43/04, B01F15/00 :NA :NA :NA :NA :NA :NA :NA :NA

## (57) Abstract:

The present invention related to an apparatus for 3D mixing capable of imparting rotary, tumbling and shaking movement for the material kept in a closed container. More particularly, the invention relates to the improvements relating to an apparatus for mixing which includes an inversion linkage mechanism. According to this invention one of the ends of the non driven shaft is mounted on the bearing fitted to a bearing housing such that the non driven shaft can slide towards and away from the drive shaft.

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

(19) INDIA

(22) Date of filing of Application :26/12/2012

(21) Application No.2903/MUMNP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: BELT MOUNTING JIG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:27/10/2010 :WO/2012/008062 :NA :NA :NA	(71)Name of Applicant:  1)GATES UNITTA ASIA COMPANY Address of Applicant: 4-4-26 Sakuragawa Naniwa-ku Osaka-shi Osaka 5560022 Japan (72)Name of Inventor: 1)FUKATANI Toshifumi
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a belt mounting jig capable of easily mounting a belt on a pulley even if there is not a sufficient space on either lateral side of the pulley. More specifically a cover section 8 and the tip of an adjusting bolt 13 are provided as clamping sections constituting a setting section 9. A belt mounting jig 1 is set by clamping a pulley 5 from the inner peripheral side of a recess section 10 in a side surface of the pulley 5 and the outer peripheral side of a pulley groove 3. A belt 2 fitted in the pulley groove 3 is covered with the cover section 8 from the outer peripheral side. The belt 2 is pressed toward the groove bottom of the pulley groove 3. Coming off of the belt 2 from the pulley 5 is stopped.

No. of Pages: 41 No. of Claims: 3

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPACT ABSORBER AND PROCESS FOR PRODUCING IMPACT ABSORBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B60R21/04 :2010003620U :28/05/2010 :Japan :PCT/JP2011/062206 :27/05/2011 :WO 2011/149049 :NA :NA :NA	(71)Name of Applicant:  1)KYORAKU CO.LTD  Address of Applicant:598 1 Tatsumae cho Nakadachiuri sagaru Karasumadori Kamigyo ku Kyoto shi Kyoto 6020912 Japan (72)Name of Inventor:  1)TAMADA Teruo 2)OONO Seiji
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#### (57) Abstract:

Provided is a blow molded impact absorber that has different impact absorbing characteristics in at least two sections thereof or an impact absorber that can absorb an impact effectively even in cases where the impact is applied partially and in a concentrated manner or where there are constraints on the shape etc. of the impact absorber. Also provided is a process for producing the impact absorber. The impact absorber (1) is made up of a hollow body (11) having a plurality of ribs (6 7 15). The hollow body (11) is characterized by having: a section (41) in which the density of the ribs (6 7 15) is low; and a section (42) in which the density of the ribs (6 7 15) is high.

No. of Pages: 94 No. of Claims: 13

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : MAGNET HOLDER INCLUDING A COMBINATION OF A PERMANENT MAGNET AND AN ELECTROMAGNET

<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>	:B23Q3/15,B23Q3/154,H01F7/02 :1020100092568 :20/09/2010 :Republic of Korea :PCT/KR2011/005627 :29/07/2011 :WO 2012/039548 :NA :NA	(71)Name of Applicant:  1)CHOI Tae Kwang Address of Applicant:#502 302 Gwangmyeong Yeoksekwon Humancia 1389 Soha dong Gwangmyeong si Gyeonggi do 423 050 Republic of Korea (72)Name of Inventor: 1)CHOI Tae Kwang
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a magnet holder including: a permanent magnet; a pole piece coupling to one of the N and S poles of the permanent magnet and having a holding surface; a magnetized material having an end surface contacting the pole piece; a coil surrounding the magnetized material; and a control device controlling electrical current flowing through the coil to control the magnetization of the magnetized material. According to the present invention optimal holding force can be applied to a unit area and the magnet holder can be conveniently expanded to a module or be miniaturized according to the size of the interior of a device on which the magnet holder is installed and can be widely applied to various fields such as lifts chucks locking devices application machines and robots.

No. of Pages: 125 No. of Claims: 57

(22) Date of filing of Application :17/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MOLECULES WITH ANTICANCER 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> </ul>	A01N43/26 :NA :NA :NA	(71)Name of Applicant:  1)GODAVARI BIOREFINERIES LIMITED  Address of Applicant: 45/47, SOMAIYA BHAVAN,  MAHATMA GANDHI ROAD, MUMBAI-400 001,  MAHARASHTRA, INDIA.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ANNETTE MARTIN
(87) International Publication No	: NA	2)SHRUTI PATIL
(61) Patent of Addition to Application Number	:NA	3)NILESH SHRIDHAR MALIK
Filing Date (62) Divisional to Application Number	:NA :NA	4)KAILASH DATTATRAYA PANGHAVANE
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to molecules represented by compounds having the general formula I or pharmaceutically acceptable salt thereof, and pharmaceutically acceptable compositions for inhibiting proliferation of and/or eradication of cancer cells and/or cancer cells having significant self-renewal potential, such as cancer stem cells (CSCs). Such compounds have the general formula 1: The invention also provides the use of a compound of formula I, or a pharmaceutically acceptable salt thereof, or pharmaceutically acceptable compositions thereof for inhibition the proliferation of and/or eradication of cancer cells and/or cancer cells having significant self-renewal potential, such as cancer stem cells ( C S C s ) for remission of cancer.

(21) Application No.2714/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/12/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION COMPRISING MIDAZOLAM

(51) International :A61K9/00,A61K9/08,A61K31/5517 classification

(31) Priority Document No :1010453.7 (32) Priority Date :22/06/2010

(33) Name of priority :U.K.

country

(86) International :PCT/GB2011/051146 Application No

:NA

:20/06/2011 Filing Date

(87) International

:WO 2011/161439

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

Publication No

(57) Abstract:

Filing Date

(71)Name of Applicant:

1)SPECIAL PRODUCTS LIMITED

Address of Applicant : Unit 16 Avro Way Brooklands Business

Park Weybridge Surrey KT13 0YF UK

(72)Name of Inventor: 1)MARCH Graham Alan

This application discloses liquid compositions for administration to a patient comprising midazolam and a pharmaceutically acceptable carrier wherein the pH of the composition is about 6 or higher and / or an advantageous carrier system is present the composition comprises less than about 200 mg/ml cyclodextrin and at least about 50 % of the midazolam is present in solution. Uses of these compositions are also disclosed.

(22) Date of filing of Application :31/10/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : HIGH-STRENGTH, COLD ROLLED STEEL SHEET SUITABLE FOR CHEMICAL CONVERSION TREATMENT, AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:C21D1/76, C23C22/78, C22C38/00, C22C38/	Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan.
(31) Priority Document No	:2012- 103769	(72)Name of Inventor : 1)KAWABE Hidetaka
(32) Priority Date	:27/04/2012	2)SENDA Kunihiro
(33) Name of priority country	:Japan	3)YOKOTA Takeshi
(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:

High-strength, cold rolled steel sheet with improved chemical conversion treatment property, which can be suitably used in framework parts of automobiles, has a composition including by mass%, C: 0.05% to 0.1%; Si: 0.05% to 0.45%; Mn: 2.5% to 3.5%; Al: 0.01% to 0.08%; P: 0.05% or less; S: 0.0050% or less; N: 0.01% or less; Nb: 0.02% to 0.1%; Ti: 0.001% to 0.05%; the balance being Fe and unavoidable impurities. The Si/Mn ratio is 0.02 to 0.15. The steel sheet has a microstructure including 50% to 80% of ferrite phase and 20% to 50% of martensite phase in an area ratio relative to the whole microstructure. The ferrite phase and the martensite phase each has an average grain size of 0.5 mm to 3.0 mm, and the ratio of the average grain size of the ferrite phase to that of the martensite phase (average grain size of ferrite phase/average grain size of martensite phase) is 0.5 to 5.0.

(22) Date of filing of Application :31/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HIGH STRENGTH COLD-ROLLED STEEL SHEET HAVING EXCELLENT DEEP DRAWABILITY AND METHOD FOR MANUFACTURING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	C21D9/47 :2012- 152840	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan.  (72)Name of Inventor:
(31) Priority Document No		
(32) Priority Date		(72)Name of Inventor :
(33) Name of priority country	:Japan	1)FUNAKAWA Yoshimasa
(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 object of the present invention is to provide a cold-rolled steel sheet having such excellent deep drawability as to allow good formability to be realized in actual press forming, as well as an advantageous manufacturing method of the cold-rolled steel sheet. Specifically, the present invention provides a high strength cold-rolled steel sheet having excellent deep drawability, comprising a composition including by mass %, C: 0.005% or less, Si: 0.1% to 0.8%, Mn: 1.0% to 2.5%, P: 0.1% or less, S: 0.02% or less, N: 0.01% or less, Al: 0.1% or less, at least one type of element selected from Ti: 0.005% to 0.05% and Nb: 0.01% to 0.08%, and the remainder consisting of Fe and incidental impurities, wherein gain diameter of ferrite is at least 7mm, ratio of length of ferrite grain in the rolling direction with respect to length of ferrite grain in the sheet thickness direction is 2.5 or less, and proportion of high-angle grain boundary, at which crystal misorientation between two crystals facing each other with a grain boundary therebetween is at least 15°, is 50% or more in the entire ferrite grain boundaries.

(21) Application No.3356/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :09/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: GAS STOVE WITH AIR CIRCULATING DEVICE

(51) International classification	:F23L13/00, F24C3/12	(71)Name of Applicant : 1)KISHORE ANANDRAO SHIRALKAR
(31) Priority Document No	:NA	Address of Applicant :1217,D WARD, UMRAOKAR GALLI,
(32) Priority Date	:NA	UTTRESHWAR PETH, KOLHAPUR - 416 002,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KISHORE ANANDRAO SHIRALKAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides a stove with air circulating device comprising at least one air circulating means, at least one conducting means and at least one plate, thus providing fresh air to the subject standing in front of the stove.

(22) Date of filing of Application :01/03/2009

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A SYSTEM AND METHOD FOR REDUCING CARBON DIOXIDE FORM FLUE GAS BY UTILIZING HARD WATER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	C25B3/00 :NA :NA	(71)Name of Applicant:  1)VISHNUKUMAR MAHADEO KULKARNI Address of Applicant:1004, SIDDHARTH TOWERS (2), 12/3 B, SANGAM PRESS, KOTHRUD, PUNE-411029
(33) Name of priority country (86) International Application No	:NA :NA	Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)VISHNUKUMAR MAHADEO KULKARNI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a system and method for reducing Carbon contents such as carbon monoxide or dioxide from flue gas and/or a system thereof. Accordingly, the method and system for reducing carbon content from flue gas utilizes hard water having hardness minimum 210 ppm or 12 dGH to scrub the flue gas wherein minerals in the hard water reacts with carbon monoxide or dioxide in the flue gas to form carbonates.

(22) Date of filing of Application :06/08/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: A NOVEL PROCESS FOR PREPARATION OF SUCCINYLCHOLINE CHLORIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:C07F7/18, C07F7/22, C07C45/30, C07C29/0 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)NEON LABORATORIES LTD.  Address of Applicant:140, DAMJI SHAMJI INDUSTRIAL COMPLEX, MAHAKALI CAVES ROAD, ANDHERI(EAST), MUMBAI-400093, MAHARASHTRA, INDIA. (72)Name of Inventor:  1)DALVI, MAHESH BHAGOJI 2)KENNY, RAJESH SHASHIKANT 3)CHINCHKAR, DATTATRAY KRISHNA
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<sup>(57)</sup> Abstract:

The invention discloses a novel process for preparation of succinylcholine chloride via transesterification of succinic acid diester with choline chloride.

(22) Date of filing of Application :22/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: REFILLABLE AIR PROPELLED SILICON AEROSOL SPRAY 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>	:A61M15/06, A24F47/00 :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.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VERMA ROHIT
(87) International Publication No	: NA	2)BHARADWAJ SANJAY KUMAR
(61) Patent of Addition to Application Number	:NA	3)TRIVEDI HITESH
Filing Date	:NA	4)DESAI JAYESH N.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A spray bottle includes a body, an opening, a connector element, a nonreturn valve (NRV) and an aerosol valve and an actuator. The body holds working fluid and propelling fluid under pressure, wherein the propelling fluid facilitate dispensing of the working fluid from the spray bottle. The opening is formed on the body of the spray bottle. The connector element removably engages with the opening formed on the spray bottle for facilitating filling and re-filling of the spray bottle with the working fluid The non-return valve is mounted on the connector element for facilitating receiving of the propelling fluid inside the body of the spray bottle and preventing back-flow of the propelling fluid received by the body of the spray bottle. The aerosol valve is mounted on the connector element. The actuator for the aerosol valve facilitates dispensing of the working fluid fron the aerosol valve upon actuation thereof.

(19) INDIA

(21) Application No.3347/MUM/2010 A

(43) Publication Date: 07/03/2014

(22) Date of filing of Application :08/12/2010

(54) Title of the invention : IMPROVED NEEDLE HOLDER

(51) International classification	:A61M5/00, A61B5/15,	(71)Name of Applicant : 1)SANJIV VASA
(51) International classification	A61M5/32	Address of Applicant :4, KAILAS SOCIETY, OPP BATA
(31) Priority Document No	:NA	SHOP BEHIND H. K. HOUSE, ASHRAM ROAD,
(32) Priority Date	:NA	AHMEDABAD, 380009, GUJARAT,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SANJIV VASA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an improved needle holder. The judicious combination of first and second members wherein the members that are pivotally joined at in the proximity of jaw portions wherein first and the second members middle portion in continuity with jaw is bent outwards with respect to the longitudinal axis of the needle holder at the junction of jaw and middle portion further at the junction of middle portion and holding end and the middle portion of the said first member in the proximity of the said loop is bent downwards with respect to the horizontal plane of the said second member. The loop on the first member is rotated downwardly in the anticlockwise direction. This geometric configuration of the member enhances maneuverability for effective, less tiring and efficient use of hand in different positions of wrist and elbow during surgical procedures.

(22) Date of filing of Application :08/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED TUBELESS TYPE WHEELS FOR COMMERCIAL VEHICLE

(51) International classification (31) Priority Document No	B60B21/10 :NA	(71)Name of Applicant:  1)KALYANI HAYES LEMMERZ LTD.  Address of Applicant: GAT NO.635, KURULI VILLEGE,
(32) Priority Date (33) Name of priority country	:NA :NA	CHAKAN, TALUKA KHED, PUNE-410 501 STATE OF MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)WATVE HEMANT CHINTAMANI 2)PALSE ABHAY BHUPAL
(61) Patent of Addition to Application Number	:NA	3)NAHAR JAYENDRA FULCHAND
Filing Date	:NA	4)DHANRALE NARENDRA ATMARAM
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a tubeless type wheel equipped with a valve. There is a need to provide improved tubeless tyre wheels appropriate for acute load and terrain conditions wherein acceleration factor exceeds testing factor. The judicious combination of the improved geometry around the valve hole and material selection enables wheel to cater to the varied / excess load conditions on vehicle and road conditions obviating the use of excess material and the problem of undesirable dislodging of the tyre from the rim at reduced air pressure and / or cornering of vehicle.

(43) Publication Date: 07/03/2014

(21) Application No.2889/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012

### (54) Title of the invention: METHOD AND DEVICE FOR CALCULATING MINUTE VENTILATION OF MEDICAL **BREATHING APPARATUS**

(51) International classification	:A61B5/08, A61M16/00	(71)Name of Applicant: 1)BEIJING AEONMED CO. LTD.
(31) Priority Document No	:201010620573.6	Address of Applicant :No. 4 Hangfeng Road Fengtai Science
(32) Priority Date	:31/12/2010	Park Fengtai District Beijing 100070 China
(33) Name of priority country	:China	(72)Name of Inventor:
(86) International Application No	:PCT/CN2011/084702	1)LI Zhiyu
Filing Date	:26/12/2011	
(87) International Publication No	:WO 2012/089094	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and a device for calculating a minute ventilation of a medical breathing apparatus. The method comprises: recording breathing data in real time the data comprising time of each inspiration and an expiratory tidal volume of breathing prior to each inspiration (S102); and each time when breathing data is recorded calculating a minute ventilation of the medical breathing apparatus according to the data recorded in the current recording operation and in a preset time duration before the current recording operation (S104). The method can calculate the minute ventilation of a patient quickly and accurately thereby solving the problem of slow measurement of ventilation in unit time in the prior art.

(21) Application No.324/MUM/2008 A

(19) INDIA

(22) Date of filing of Application :14/02/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CONTROLLED RELEASE PHARMACEUTICAL COMPOSITIONS OF TOLTERODINE AND PROCESS FOR PREPARATION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:A61K31/137, A61K9/62 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TORRENT PHARMACEUTICALS LTD.  Address of Applicant: TORRENT HOUSE, OFF ASHRAM ROAD, NEAR DINESH HALL, AHMEDABAD 380009 Gujarat India (72)Name of Inventor:  1)VAYA NAVIN ISHWARLAL 2)NAVALE SURYAKANT VAMANRAO 3)MANMODE AMIT SHANTARAM 4)SHAH PINALKUMAR AJITKUMAR
Filing Date	:NA	

(57) Abstract:

The invention relates to controlled release pharmaceutical compositions of tolterodine, and process for preparing such compositions.

(22) Date of filing of Application :17/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ANTICANCER COMPOUNDS AND TARGETING CANCER WITH THE SAME

(51) International classification	:C07D407/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GODAVARI BIOREFINERIES LIMITED
(32) Priority Date	:NA	Address of Applicant :45/47, SOMAIYA BHAVAN,
(33) Name of priority country	:NA	MAHATMA GANDHI ROAD, MUMBAI - 400 001,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANNETTE MARTIN
(61) Patent of Addition to Application Number	:NA	2)SHRUTI PATIL
Filing Date	:NA	3)NILESH SHRIDHAR MALIK
(62) Divisional to Application Number	:NA	4)KAILASH DATTATRAYA PANGHAVANE
Filing Date	:NA	

#### (57) Abstract:

The present invention provides compounds having the general formula I or pharmaceutically acceptable salt thereof, and pharmaceutically acceptable compositions having ability to inhibit proliferation of and/or eradicate cancer cells and/or cancer cells having significant self-renewal potential, such as cancer stem cells (CSCs). Such compounds have the general formula I: The invention also provides the use of a compound of formula I, or a pharmaceutically acceptable salt thereof, or pharmaceutically acceptable compositions thereof in inhibiting the proliferation of and/or eradicating cancer cells and/or cancer cells having significant self-renewal potential, such as cancer stem cells (CSCs).

(19) INDIA

(22) Date of filing of Application :15/12/2010 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: AN IMPROVED GREENHOUSE/POLYHOUSE

<ul> <li>(51) International classification</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>	A01G9/24, :NA :NA :NA :NA	Address of Applicant :SHRIHARI BANGLOW, PLOT NO 360, VARALE ROAD, TALEGAON DABHADE (STATION), TAL MAVAL, DIST - PUNE - 410 507. Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)SHAHAJI KISAN MARATHE

(21) Application No.3409/MUM/2010 A

#### (57) Abstract:

The present invention relates to generally to the field of green house / polyhouse construction, and more particularly to provide a green house / polyhouse in order get more production and less expenditure inside the green house / polyhouse by increasing percentage of ventilations and air circulation. The present invention provides an improved green house / polyhouse having Ventilation at gutter level and Ventilation at gable side which enables more structural strength to resist at higher wind speed due to column support at each gutter level. As there is a ventilation at gutter level gutter coil remains cool which does not allows increase in temperature inside, which results in passing of lower side hot air goes outside quickly than other, further the polythene will remains at normal temperature which will increases its life. Ventilation at gutter level controls the wind pressure and that avoids breaking of polythenes. The present invention of Green house / poly house is provided with an Insect proof net at each opening to avoid insect entry inside greenhouse further due to the lower healthy temperature percentage of pests reduces which increases productivity of crop and it also enhances comfortness of workers.

(22) Date of filing of Application :03/01/2011

(43) Publication Date: 07/03/2014

# $(54) \ Title \ of the invention: A \ PROCESS \ FOR \ THE \ PREPARATION \ 7-(4-CHLORO/BROMOBUTOXY)-3, 4-DIHYDROCARBOSTYRIL$

		(71)Name of Applicant:
(51) International classification	C07D401/00,	
	C07D401/12	Address of Applicant :D-4 MIDC Industrial area
(31) Priority Document No	:NA	Chikalthana Aurangabad - 431210 M.S. India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Kumar Mukesh
(86) International Application No	:NA	2)Mishra Shri Krishna
Filing Date	:NA	3)Rao Bhatraju Srinivasa
(87) International Publication No	: NA	4)DEO KESHAV
(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 7-(4-chloro/bromobutoxy)-3,4-dihydrocarbostyril, which is useful as a key intermediate in the preparation of aripiprazole in presence of combination of bases.

(22) Date of filing of Application :30/05/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FLEXIBLE AND LAMINATED THIN FILM SINGLE CHAMBER MICROBIAL FUEL CELL WITH THIN FOIL ELECTRODES.

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	29/56 :NA	1)SACHIN G .LOKAPURE Address of Applicant :5099 NEAR ASHA TALKIES,
(32) Priority Date	:NA	OPP.OMKAR APPT. SHANIWAR PETH MIRAJ 416410 DIST-
(33) Name of priority country	:NA	SANGLI,MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SACHIN G.LOKAPURE
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is in relation to flexible and laminated thin film structured membrane less with single chambered microbial fuel cell for generation of electrochemical current. It converts chemical energy of bio-convertible substrate directly into electrical energy in presence of yeast as micro-organisms as catalyst to convert substrate into free electrons. It comprises thin film outer structured (I) with single compartment (2) where, cathode as a positive electrode (5A) and anode as negative electrode (5B). The indigenous flexible and thin foil electrodes (5) are designed for use as electrode in present invention. The said single chambered microbial fuel cell where in anode and cathode are spaced (4) apart and reside in single compartment containing yeast as fuel (2), carbon source or substrate, reductant and oxidant are free communicate with anode and cathode. It comprises, yeast fuel solution inlet (11) and yeast fuel solution outlet (12) for addition yeast fuel solution in microbial fuel cell has system. Typical application said invention include, as a power source for small gadgets such as calculator, LEDs (Light emitting diodes), watch as alternative source of energy.

(21) Application No.2407/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A GROWTH FACTOR CONCENTRATE FOR TREATING HAIR LOSS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K31/00, A61Q7/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)KASIAK RESEARCH PVT LTD  Address of Applicant: HOECHST HOUSE, 17TH FLOOR, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA.  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)TOTEY, SATISH MAHADEORAO 2)SHAH, KAUSHAL PIYUSH 3)FONSECA, LYLE CARL 4)MANIYAR, RACHANA RAJIV
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an intra-dermally, sub-dermally or topically administrable growth factor concentrate derived from approximately 500 x106 to 1500 x106 human platelets per ml for treating hair loss. The concentrate comprises approximately 800 to 1200 pg/ml of Epidermal growth factor (EGF), 20 to SO pg/ml of Vascular Endothelial growth factor (VEGF), 15 to 30 pg/ml of Basic fibroblast growth factor (b-FGF), 30000 to 40000 pg/ml of Transforming growth factor- $\beta$  (TGF- $\beta$ ) and 100000 to 200000 pg/ml of Platelet Derived growth factor-AB (PDGF-AB).

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: POLYESTER RESIN COMPOSITION AND PROCESS FOR MANUFACTURING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C08G63/02,C08G63/183 :2020/MUM/2010	(71)Name of Applicant: 1)BASF SE
(32) Priority Date	:14/07/2010	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:India	(72)Name of Inventor:
(86) International Application No Filing Date	:PCT/IN2011/000425 :24/06/2011	1)TAMMAJI Kulkarni Sanjay 2)VIJRA Akhilesh
(87) International Publication No	:WO 2012/007958	3)ONKAR Vyas Chandrakant
(61) Patent of Addition to Application Number	:NA	4)SOEKARNO Albert Luckyto 5)VAN DER MEER Roelof
Filing Date	:NA	6)SCHILLO Simone
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Co-polyester resin compositions and processes for manufacturing resin compositions are provided, said resin compositions being suitable for extrusion blow molding for the manufacture of containers with good color, clarity for both food, non-food applications and other applications such as profile extrusions and manufacture of blown films which require high melt strength polyester.

(22) Date of filing of Application :20/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A HIGH SPF SUNSCREEN 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</li> </ul>	A61K8/35 :NA :NA :NA :NA	(71)Name of Applicant:  1)HINDUSTAN UNILEVER LIMITED  Address of Applicant: 165/166 BACKBAY  RECLAMATION, MUMBAI - 400020, MAHARASHTRA, INDIA.  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	1)DUGGAL CHARU 2)GAURAV KUMAR 3)RAUT JANHAVI SANJAY
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a high SPF sunscreen composition. There exists a need for a personal care composition comprising sunscreen agents in low concentrations that are able to provide much higher SPF as compared to known sunscreen compositions comprising such low levels of sunscreen agents. The present applicants have been working on solving this problem and have surprisingly found that cosmetic compositions comprising dibenzoylmethane or its derivative in combination with an oil soluble UV-B sunscreen when incorporated in a sunscreen composition along with a non-ionic surfactant of a select class meeting certain HLB requirements, provide the enhanced SPF benefits when applied on the substrate of interest.

(19) INDIA

(22) Date of filing of Application :21/12/2012

(21) Application No.2880/MUMNP/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: AUTOMATION FRAMEWORK

·C06E7/04	(71) Nome of Applicant.
.G00F //0 <del>4</del>	(71)Name of Applicant:
:61/348806	1)VARONIS SYSTEMS INC.
:27/05/2010	Address of Applicant :499 7th Avenue 23rd Floor South
:U.S.A.	Tower New York New York 11018 U.S.A.
:PCT/IL2011/000407	(72)Name of Inventor:
:26/05/2011	1)FAITELSON Yakov
:WO 2011/148375	2)KORKUS Ohad
.NI A	3)KRETZER KATZIR Ophir
	4)BASS David
:NA	TIDITOS DUVIG
NTA	
:NA	
:NA	
	:27/05/2010 :U.S.A. :PCT/IL2011/000407 :26/05/2011 :WO 2011/148375 :NA :NA

#### (57) Abstract:

An information technology management system for use in enterprise data management including a metadata supply subsystem which receives metadata from a network an access permissions management subsystem for managing access permissions to data elements in the network and an access permissions management operation implementation subsystem which automatically governs the operation of the access permissions management subsystem the access permissions management operation implementation subsystem having at least one of first second third and fourth modes of operation. The first mode of operation includes operating the access permissions management subsystem the second mode of operation includes simulating the operation of the access permissions management subsystem the third mode of operation included providing a report of proposed changes in access permissions and the fourth mode of operation includes providing an actionable report of multiple steps in implementation of proposed changes in access permissions to data elements for approval.

(21) Application No.3461/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :21/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: WHEEL ALIGNING TWIST BEAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)TATA MOTORS LIMITED Address of Applicant: BOMBAY HOUSE, 24 HOMI MODY STREET, MUMBAI-400 001, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)MR. SANTOSH KUMAR SINGH
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

### (57) Abstract:

The present invention relates to a wheel alignment device for providing toe and camber adjustment for a fixed wheel of a vehicle. The device consists of a twist beam (1) attached to a trailing arm (2). The trailing arm is provided with adjustable toe and camber mechanism. A base plate (3) is fitted to the trailing arm. A camber plate (7) which is hinged to base plate provides camber angle adjustment. A camber bolt (15) is used to connect the camber plate and the base plate. A washer nut (16) is tightened over the camber blot, which adjusts the camber angle to the desired value. A toe plate (11) is hinged to the camber plate, provides toe angle adjustment. A toe bolt (21) is used to connect the toe plate and the base plate. A washer nut (22) is tightened over the toe bolt which adjusts the toe angle to the desired value.

(22) Date of filing of Application :21/12/2010 (43) Publication Date : 07/03/2014

### (54) Title of the invention: A REINFORCED FORMWORK PANEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E04G9/02, E04G9/05 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)FUVI MECHANICAL TECHNOLOGY COMPANY Address of Applicant:NO. 6 SONG HANH STREET, TAN TAO INDUSTRIAL PARK, BIHN TAN DISTRICT, HO CHI MINH CITY, VIETMAN. (72)Name of Inventor: 1)NGUYEN PHU VINH.
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#### (57) Abstract:

The present invention relates to a reinforced form work panel (1) comprising a plastic formwork panel portion (11), a reinforced frame (12) that is detachably mounted against back or lower surface of the formwork panel (11) and a frame fastening means (13) for fixing the frame (12) to the formwork panel (11). The panel (11) includes a front surface (11a), a back or lower surface (lib) having the longitudinal and transversals (1 lbl, 1 lb2) and the peripheral ribs (llb3) surrounding the periphery of the formwork panel. The frame (12) has at least two longitudinal bars (12a) positioned substantially parallel to the peripheral ribs (llb3) or spaced from the longitudinal peripheral ribs with a certain distance and at least two transversal bars (12b) mounted substantially perpendicular to the longitudinal bars (12a), and located near to the peripheral ribs (llb3) or spaced from the peripheral ribs (llb3) in transversal direction with a certain distance.

(21) Application No.3466/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :21/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A SYSTEM AND METHOD FOR FORMING A CONTINUOUS PAPER-WEB FROM CUT PAPERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B65H21/00, B65B1/26 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)VINAY K. MEHTA Address of Applicant:F/9, TRIVENI, 66 WALKESHWAR ROAD, MUMBAI - 400 006, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)VINAY K. MAHTA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention opens a new horizon for waste papers other than recycling the waste papers to paper mill to form pulp by converting waste papers, which are cut into different shapes for using purpose, into a waste paper web. The waste paper web is formed by the joining of the edges of the waste papers to form a paper web.

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BRACHYTHERAPY APPLICATOR DEVICE FOR INSERTION IN A BODY CAVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/06/2011 :WO 2012/002815 :NA :NA	(71)Name of Applicant:  1)NUCLETRON OPERATIONS B.V. Address of Applicant: Waardgelder 1 NL 3905 TH Veenendaal Netherlands (72)Name of Inventor: 1)M,,KEL Ren Gerard Willem 2)MORSSINK Pieter 3)STELLER Hendrik 4)VISSCHER Arie Luite 5)VAN DE WARDT Cor 6)KUIPERS Franciscus Antonius Maria
(62) Divisional to Application Number Filing Date	:NA :NA	6)KUIPERS Franciscus Antonius Maria

#### (57) Abstract:

The invention relates to a brachytherapy applicator device for insertion in a body cavity. The applicator device comprises an applicator shaped for insertion in the body cavity; the applicator comprising connectable segments; at least one connectable part having a form following wall surface shaped to follow the body cavity the wall surface having a multichannel groove structure so as to guide a plurality of catheters along the grooves in the groove structure along the wall surface.

(22) Date of filing of Application :07/12/2010

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A NOVEL CELL LINE DEVELOPMENT STRATEGY TO PRODUCE RECOMBINAN PROTEINS USING TWIN VECTOR EXPRESSION 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>	C12N5/071 :NA :NA :NA	(71)Name of Applicant:  1)INTAS BIOPHARMACEUTICALS LTD., Address of Applicant:INTAS BIOPHARMACEUTICALS LTD., PLOT NO. 423/P/A/GIDC, SARKHEJ - BAVLA HIGHWAY, MORAIYA, AHMEDABAD - 382213
(86) International Application No	:NA	GUJARAT,INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. SANJEEV K. GUPTA
(61) Patent of Addition to Application Number	:NA	2)DR. BRAJESH C. VARSHNEY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a process for developing a stable cell line for high level expression of recombinant proteins by co-transfection of two mammalian expression vectors wherein the gene for desired protein of interest (POI) along with signal sequence and reading frame are cloned/inserted into two vectors independently, one having a DHFR expression cassette and the other having a selection marker other than DHFR.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PALLET CONTAINER WITH IMPROVED TOP LIFTING PERFORMANCE

S PVT. LTD.
, ICK LINK

# (57) Abstract:

Accordingly the present invention provides pallet containers (1) are used for the transportation of liquid dangerous goods. Pallet containers (1) consist of outer cage made out of hollow steel tubes fixed on a pallet holding a replaceable bottle with one filling and one emptying opening. Pallet containers (1) with improved top lifting performance is provided by strengthening the structure profile of the tubes by reengineering and whole structure is also reengineered and the space between the members is designed in such a way that the load gets distributed among the members and gets safe transferred to the base pallet. Cross bar of the outer cage is fixed at the junction of vertical and horizontal tubes. The cross bar is covering the junction and connected from bottom by nut and bolt. For additional support the junction of vertical tube and the top and bottom horizontal tube may be riveted.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PALLET CONTAINER WITH IMPROVED PLASTIC PALLET

	D (5D 77 /0 A	
(51) International classification	:B65D77/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :604, VISHWANANAK, ICK LINK
(33) Name of priority country	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAVEEN KUMAR JAIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Accordingly the present invention provides improved plastics pallet with ground conductivie pallet containers. The plastics pallet is reinforced by an inserted U-shaped steel insert having 90° noses at both ends of the U-shaped steel insert to avoid radial movement of the bottom horizontal tube of the outer cage during transportation, stacking and performance tests. The U- shaped steel insert is fixed at the lateral feets of the plastics pallet by bolts and ground plates. The U-shaped steel insert is fixed at the center feet of the plastics pallet by bolts and ground plates. The bolts and the ground plates ground the pallet container resting on floor and by double stacking. The plastics pallet is preferably injection molded as single piece with 2 center grooves to accommodate the U-shaped steel insert later. This provides better pallet dimensional accuracy, simpler molding and better recyclability of the plastics pallet as there are no metal components in plastics.

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MOUNTABLE HEATING ASSEMBLY AND ITS OPERATION METHOD USED WITH BURNER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F24B1/00 :NA :NA	(71)Name of Applicant:  1)SATISH SHIVAJI KAMBLE  Address of Applicant: GUJER LANE, NEAR SHRI
(33) Name of priority country	:NA	AKALKOT MATH, AHMEDNAGAR,-414001,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SATISH SHIVAJI KAMBLE
(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 heating assembly, removably mounted on a burner mechanism (12) of the stove (20) ignited to heat a utensil. When burner reaches the required temperature, the liquid is made to enter the pipe (141) connected to the inlet (21). Tube (11) is wound with at least one turn, so as to enclose the burner mechanism (12), such that, a gap exists between the burner (12) and the copper tube (11). The liquid enters the tube (141), then enters copper winding (11). During its passage around the copper winding (11), its proximity to the burner mechanism (12) is extended due to the presence of the fin type extension(s) (13) extending in a lateral manner provided in optionally periodic intervals at the periphery of the winding of copper tube (11). The passage of liquid can be further extended by support(s) (18) provided at the periphery of the winding(s).

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING SERVICE BY A FIRST AGENT WHILE WAITING FOR A SECOND 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> </ul>	:H04M3/00 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)AVAYA INC Address of Applicant:211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A. (72)Name of Inventor: 1)PIERCE, RUSSELL K.
<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)KOHLER, JOYLEE E. 3)SOBUS, KATHERINE A.

#### (57) Abstract:

System and method for servicing a contact by a first agent while searching for a second agent to service the contact is provided. At least one agent attribute is used to produce a set of agent attribute values, and at least one contact attribute is used to produce a set of contact attribute values; relating agent attribute values to contact attribute values in order to search for at least one available first agent having at least a first predetermined level of matching attributes; delivering the contact to the first agent; relating agent attribute values to contact attribute values in order to search for at least one second agent having at least a second predetermined level of matching attributes, wherein the second predetermined level is greater than the first predetermined level; waiting until the second agent is available; and replacing the first agent with the second agent to service the contact.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PALLET CONTAINER WITH IMPROVED PLASTIC AND COMPOSITE PALLET

	D (5D 77 /0 A	
(51) International classification	:B65D77/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :604, VISHWANANAK, ICK LINK
(33) Name of priority country	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAVEEN KUMAR JAIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A pallet container (1) for liquids comprises an inner container (2), outer cage (6) and plastics/composite pallet (20, 30). The inner container having an inlet opening (3) and a discharge valve (10) placed at the outlet (50) both with a hermetic seal. The inner container is protected by an outer cage and resting on a pallet. The discharge valve area is configured to have larger space in a drip pan area (33) and provided with additional ribs (21) to have required strength. The drip area (33) of a drip pan (32) is enlarged to allow change of the discharge valve with inner container resting inside the outer cage (6). The drip pan (32) has on both sides a cover elevation (36) to cover the end of a lower horizontal tube (9) and a fixing bolt (35). A leakage tray (40) can be accommodated in a plastic drip area (22) to collect leakage coming from the discharge valve while opening and closing the same.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TIGHT HEAD PLASTIC DRUM BUNG CLOSURE SYSTEM WITH SAFETY CAP

	:B65D51/18,	(71)Name of Applicant:
(51) International classification	B65D41/08,	1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.
	B65D39/08	Address of Applicant :604, VISHWANANAK, ICK LINK
(31) Priority Document No	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)NAVEEN KUMAR JAIN
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:

Accordingly the present invention provides T.H. plastics drums used for the transportation of liquid dangerous goods. A T,H. plastics drum is a flat ended circular cross section packaging with internally threaded openings for filling and emptying in the head not exceeding 70 mm in diameter. The openings are designed as standard bung closure systems. The standard bung of the pilfer proofed bung closure system is changed to allow the durable snap on of a safety cap with filling good collection feature in a unscrewed upside down position. This feature reduces the danger of human contamination with the dangerous filling good and allows a refilling of the collected dangerous filling good.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: PALLET CONTAINER WITH CLINCHING COVER

(74)	D <5D == 10.4	
(51) International classification	:B65D77/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :604, VISHWANANAK, ICK LINK
(33) Name of priority country	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAVEEN KUMAR JAIN,
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

According to present invention pallet containers are used for the transportation of liquid dangerous goods. Pallet containers consist of outer cage made out of hollow steel tubes fixed on a pallet holding a replaceable bottle/inner container with one filling and one emptying opening. The formation of the outer cage is using hollow profile tubes in grid format to make horizontal and vertical member of the grid. The horizontal member is rectangular hollow tube ring where both the ends are slided one inside the other and clinched to remain in position under impact and pressure. The clinching is always sharp and can pierce the inner container during his insertion in the outer cage, during the pallet container transportation and can also cause injury while handling the pallet container. The clinching cover will be placed over the clinching of the horizontal tubes to avoid injuries. The clinching cover can be used for the application of customer logos and to protect the clinching area against moisture and rusting.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PALLET CONTAINER WITH RIVETED CAGE

(74)	D <5D == 10.4	
(51) International classification	:B65D77/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :604, VISHWANANAK, ICK LINK
(33) Name of priority country	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAVEEN KUMAR JAIN,
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

According to present application the invented pallet container is consisting of number of horizontal tube rings and number of vertical tubes which makes a grid. Each junction of vertical and horizontal tube is joined with the help of long rivets which passes from one side to the other through a hole made in the tubes. Rivets are having flat formation on one side and other side is flattened using special tools after passing it through the holes in the tubes. These rivets are pretreated for better environmental condition. The rivets are taking axial, radial and dynamic load acting on the pallet container and keeping the tubes in position. The connections in addition to riveting can also be reinforced by additional welds.

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: PALLET CONTAINER WITH REINFORCED COMPOSITE PALLET

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B65D77/04 :NA :NA	(71)Name of Applicant:  1)GENEX SCIENCE AND TECHNOLOGIES PVT. LTD.  Address of Applicant: 604, VISHWANANAK, ICK LINK
(33) Name of priority country	:NA	ROAD, ANDHERI (EAST), MUMBAI 400 072,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)NAVEEN KUMAR JAIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Pallet container with reinforced composite pallet According to present invention, a composite pallet used with pallet a container which provides full circumferential support to the steel pan and also having easy accessibility for forklift and pallet truck forks. The composite pallet is consisting of one steel pan, some plastics blocks placed on all four corners and plastics middle blocks of back side, left and right side and one plastics drip pan on the front side. This drip pan accommodates the discharge valve which requires more space for operation. The plastics blocks are fixed to the outer cage by either self-threading screws and at a few places with long bolts and flat holding plates. The plastics blocks are connected to each other by 4 numbers of reinforcement steel tubes which are fixed one each on front, rear, left and right sides. These reinforced steel tubes are bended in a manner to pass under the plastics blocks and going up to support the steel pan between the plastics blocks. These supporting tubes are either bolted or welded to the steel pan for better connectivity and support.

(21) Application No.3416/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR IMMEDIATE RELEASE OF WEAKLY ACIDIC POTENT DRUGS

<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>	:A61K9/16, A61K47/40 :NA :NA :NA	(71)Name of Applicant:  1)VAVIA PRADEEP RATILAL Address of Applicant: DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA (EAST), MUMBAI 400 019 Maharashtra India (72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA	1)VAVIA PRADEEP RATILAL 2)VORA LALITKUMAR KHIMJIBHAI
Filing Date	:NA	

#### (57) Abstract:

Present invention relates to ternary inclusion complex of potent weakly acidic drugs and cyclodextrin and derivatives thereof, with an alkalizing agent prepared by lyophilization technique for rapid dissolution and immediate absorption in the stomach or upper part of gastrointestinal tract.

(22) Date of filing of Application: 15/12/2010 (43) Publication Date: 07/03/2014

# (54) Title of the invention : A PHARMACEUTICAL COMPOSITION OF NIOSOMAL GEL FOR THE TOPICAL DELIVERY OF LORNOXICAM

(51) International classification		(71)Name of Applicant :
	A61K47/00	
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF
(32) Priority Date	:NA	PHARMACEUTICAL SCIENCES AND TECHNOLOGY,
(33) Name of priority country	:NA	INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(86) International Application No	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
Filing Date	:NA	(EAST), MUMBAI 400 019 Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)VAVIA PRADEEP RATILAL
Filing Date	:NA	2)KUMBHAR DEEPAK PANDURANG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Niosomes are spherical submicroscopic structures and are prepared by using nonionic surfactants such as Tweens, Spans etc. Nonionic surfactant based vesicles (niosomes) are formed from the self-assembly of non-ionic amphiphiles in aqueous media resulting in closed bilayers structures. The closed bilayers structure is an assembly in which the hydrophobic parts of the molecule are protected from the aqueous solvent and the hydrophilic head groups are in contact with aqueous environment. They have a capability to encapsulate lipophilic and hydrophilic drug molecules. This system can be employed for topical drug delivery. The niosome is deposited into the stratum corneum due to vesicle in nature. After that they start releasing drug, and it is helpful for local action instead of systemic action. Thus the present invention deals with the preparation of topical niosomal based gel formulation of Lornoxicam. The work includes preparation of niosomes by thin film hydration with sonication was used an optimization of various process parameters and excipients. The Niosomes were then evaluated for various physicochemical characteristics. The prepared niosomes are then incorporated into topical gel dosage forms.

(19) INDIA

(22) Date of filing of Application :15/12/2010

(21) Application No.3418/MUM/2010 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: ORAL COMPOSITION OF CALCIUM

(51) International classification	:A61K 33/00, A61K 9/00	(71)Name of Applicant:  1)VAVIA PRADEEP RATILAL  Address of Applicant :DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY,
(31) Priority Document No	:NA	INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(32) Priority Date	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
(33) Name of priority country	:NA	(EAST) MUMBAI 400 019. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VAVIA PRADEEP RATILAL
(87) International Publication No	: NA	2)SANGWAI MAYUR BALKRUSHNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The pharmaceutical composition according to the present inventions comprises oral calcium composition having average particle size equal to or below 1000 nm. The calcium or its salt in the said invention is from natural or semi-synthetic origin, more preferably oyster shell calcium carbonate. The said composition also comprises at least one stabilizer from natural or semi-synthetic or synthetic origin. The said composition also comprises at least one carrier solvent as dispersing or wetting media.

No. of Pages: 14 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :15/12/2010

(43) Publication Date: 07/03/2014

(21) Application No.3419/MUM/2010 A

# (54) Title of the invention : PHARMACEUTICAL COMPOSITION CONTAINING CROSSLINKED CYCLODEXTRIN POLYMER

	·Δ61K	(71)Name of Applicant:
	47/40,	` / II
(51) International classification	A61K	Address of Applicant :DEPARTMENT OF
	9/22	PHARMACEUTICAL SCIENCES AND TECHNOLOGY,
(31) Priority Document No	:NA	INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(32) Priority Date	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
(33) Name of priority country	:NA	(EAST) MUMBAI 400 019 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VAVIA PRADEEP RATILAL
(87) International Publication No	: NA	2)BRAMHANE DINESH MEGHRAJ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Water insoluble crosslinked cyclodextrin polymer, wherein said cyclodextrin moiety was crosslinked by polycarboxylic acid along with polymer as a reaction modifier. The present invention concerns pharmaceutical application of crosslinked cyclodextrin polymer as a sustained release polymer in drug delivery science.

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

(22) Date of filing of Application :07/01/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR PREPARATION OF CLOPIDOGREL HYDROGEN SULPHATE

(51) International classification	:C07D495/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)IPCA LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :48, KANDIVLI INDUSTRIAL
(33) Name of priority country	:NA	ESTATE, CHARKOP, KANDIVLI (W), MUMBAI-400 067,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)KUMAR ASHOK
(61) Patent of Addition to Application Number	:NA	2)SAXENA ASHVINI
Filing Date	:NA	3)SARVANAN MANAVALAN
(62) Divisional to Application Number	:NA	4)PUROHIT MUKESH
Filing Date	:NA	5)PARIHAR SANTOSH

## (57) Abstract:

Disclosed herein is an improved process for preparation of clopidogrel base or its bisulphate salt which comprises an intermediate step of obtaining clopidogrel free base from clopidogrel acid salt in non-aqueous conditions using a base. Also, disclosed methods of recovery and recycling of camphorsulphonic acid from the mother liquor or corresponding ammonium salts in quantitative yield.

No. of Pages: 15 No. of Claims: 13

(22) Date of filing of Application :21/12/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TOWER FOR A WIND TURBINE

(51) International classification:F03D11/00,F03D11/04,H02G3/30 (71)Name of Applicant:

(31) Priority Document No :10 2010 022 581.9

(32) Priority Date :03/06/2010 (33) Name of priority country :Germany

(86) International Application

No

:PCT/EP2011/059230 :03/06/2011

:WO 2011/151465

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)SUZLON ENERGY GMBH

Address of Applicant : Kurt Dunkelmann Str. 5 18057 Rostock

Germany

(72)Name of Inventor: 1)DOMESLE Melanie

2)STARKE Sven

3)FROHBERG Falk

## (57) Abstract:

The invention relates to a tower for a wind turbine and to a cable guide for a tower of a wind turbine wherein a machine housing for the wind turbine is arranged on the tower such that it can rotate by means of the azimuth bearing about a vertical axis which runs in the longitudinal direction of the tower. Current carrying cables such as power cables are routed in the tower of the wind turbine out of the machine housing from electrical components to the ground. These comprise a multiplicity of cables for example a plurality of cables for electrically carrying individual phases of alternating current in particular three phase alternating current cables for ground conductors and/or signal and control cables. One object of the invention is to specify improved routing of the cables which inter alia avoids the disadvantages of the prior art. One particular aim is to ensure that the current load capacity of the cables is ensured and/or that wear between the cables is reduced. According to the invention the object is achieved by the features of the main claim 1 by the tower having at least two looming apparatuses which are suitable for joining the individual cables which run longitudinally in the tower together to form a cable loom with the cables fixed with respect to one another. The looming apparatuses are attached to the cables between an upper and a lower area of the cable loom. In this case geometric configuration of the looming apparatus ensures that a specific minimum separation at least between three cables is not undershot.

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

(22) Date of filing of Application :07/01/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEMS FOR FIXATION OF FRACTURES OF LONG BONE AND METHODS THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	A61B17/56 :NA :NA :NA	(71)Name of Applicant: 1)NAVIN SINGH Address of Applicant:614, SUNDERNAGAR, NEAR RING ROAD - 1, RAIPUR, CHATTISGARH, PIN - 492012 Chattisgarh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAVIN SINGH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Systems for Fixation of Fractures of Long Bone and Methods Thereof. The present invention in a preferred embodiment involves a system for fixation of a long bone fracture using implantable devices, the system comprising of an intramedullary nail, and an interlocking screw or bolt, wherein the interlocking screw or bolt has a hole in its body for locking the intramedullary nail; and also a method of using the system. In the system of the present invention, instead of a hole being present in the intramedullary nail, a hole is present in the body of the interlocking screw or bolt, wherein the intramedullary nail is made to pass through the hole of the interlocking screw or bolt and is made to fit into the hole.

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

(21) Application No.2894/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: PROCESS FOR PRODUCING CELLULOSE SHAPED ARTICLES

:C08B1/00,C08J3/09,D01F2/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :1011444.5 (32) Priority Date :07/07/2010 (33) Name of priority country :U.K. (86) International Application No :PCT/GB2011/051160

Filing Date :21/06/2011 (87) International Publication No :WO 2012/004583

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

:NA Number :NA Filing Date

1)INNOVIA FILMS LIMITED

Address of Applicant :Station Road Wigton Cumbria CA7

9BG U.K.

(72)Name of Inventor: 1)COCKCROFT Martin 2)MARSHALL Colin

## (57) Abstract:

The present invention provides a process for producing cellulose shaped articles in which a) cellulose is at least partly dissolved at a temperature of about 100°C or lower in a dope comprising an ionic liquid and a cosolvent to form a cellulose solution, wherein said cosolvent comprises a polar aprotic component, and b) cellulose shaped articles are cast from the cellulose solution.

No. of Pages: 34 No. of Claims: 43

(21) Application No.2895/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR PRODUCING CELLULOSE FILM

(51) International classification	:C08L1/02,C08J5/18,C08J3/09	(71)Name of Applicant :
(31) Priority Document No	:1011446.0	1)INNOVIA FILMS LIMITED
(32) Priority Date	:07/07/2010	Address of Applicant :Station Road Wigton Cumbria CA7
(33) Name of priority country	:U.K.	9BG U.K.
(86) International Application No	:PCT/GB2011/051159	(72)Name of Inventor:
Filing Date	:21/06/2011	1)COCKCROFT Martin
(87) International Publication No	:WO 2012/004582	2)MARSHALL Colin
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	A	

## (57) Abstract:

The present invention provides a process for producing a cellulose film in which a) cellulose is at least partly dissolved at a temperature of about 100°C or lower in a dope comprising an ionic liquid and a cosolvent to form a cellulose solution, wherein said cosolvent comprises a polar aprotic component, and b) cellulose film is cast from the cellulose solution.

No. of Pages: 33 No. of Claims: 40

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING ZINC OR ZINC ALLOY COATED STEEL SHEET AND ZINC OR ZINC ALLOY COATED STEEL SHEET MANUFACTURED BY THE METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C23C22/40 :2010-220014 :29/09/2010 :Japan :PCT/JP2011/005492 :29/09/2011 :WO/2012/042883 :NA :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)MATSUDA Takeshi  2)MATSUZAKI Akira 3)TAKASHIMA Katsutoshi
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#### (57) Abstract:

An object of the present invention is to provide a zinc or zinc alloy coated steel excellent in various properties including corrosion resistance and adhesion properties and, in particular, exhibiting good conductivity at relatively low surface pressures. In order to achieve the object, the present invention provides a method for manufacturing a zinc or zinc alloy coated steel sheet, comprising: preparing a surface-treatment liquid for a zinc or zinc alloy coated steel sheet, containing following components, by blending the components such that solid mass contents calculated from respective masses of the components satisfy specific conditions at pH in the range of 3 to 6, the components including: (A) a specific resin emulsion; (B) a tetraalkoxysilane; (C) at least one type of silane coupling agent having at least one type of reactive functional group selected from the group consisting of an active hydrogen-containing amino group, epoxy group, mercapto group, and methacryloxy group; (D) a chelating agent; (E) a vanadate compound; (F) a titanium compound; and water; and applying by coating the surface-treatment liquid to a surface of a zinc or zinc alloy coated steel sheet, heating and drying the surface of the zinc or zinc alloy coated steel sheet such that a coating amount per one surface is in the range of 200 to 1,000 mg/m2 to form a surface treatment coating film on the surface.

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

(21) Application No.3605/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DIGITAL AIR GAUGE AND METHOD OF OPERATING THE SAME

(51) International classification	:G01L 27/02	(71)Name of Applicant: 1)VRUSHALI UTTAM JADHAV
(31) Priority Document No	:NA	Address of Applicant :SUSHILOTTAM, 29/3A/3, SASANE
(32) Priority Date	:NA	NAGAR, HADAPSAR, PUNE 411028, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VRUSHALI UTTAM JADHAV
(87) International Publication No	:N/A	2)VAISHALI UTTAM JADHAV
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A digital air gauge for accurate dimensional measurements over wide operational ranges is disclosed along with logic for operational range selection, master setting and communications to peripheral computational systems.

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

(22) Date of filing of Application :31/03/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FIFTH MOUNTING SUPPORT ON GEAR BOX FOR 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> </ul>	:F16H63/30, F16H47/02 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA MOTORS LIMITED  Address of Applicant: BOMBAY HOUSE, 24 HOMI MODY  STREET, HUTATMA CHOWK MUMBAI 400 001 Maharashtra India (72)Name of Inventor:  1)PRADIP KUMAR DEY  2)SOU MANDAL PRANAB K
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This invention relate to a mounting structure on a gearbox assembly comprising: first lower bracket member and a second lower bracket member; said first and second lower bracket members being connected by a first channel member; a first upper bracket member and a second upper bracket member; said first and second upper bracket members being connected by a second channel member; said first and second channel members being fastened together by a resilient member, such that upon fastening, said resilient member applies a pre-load on said gearbox in a direction opposite to an engine block overhung load to nullify excess bending moment.

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

(22) Date of filing of Application :22/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AMORPHOUS FORM OF ZANAMIVIR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	A61K31/351 :NA :NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED Address of Applicant: ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD - 380 015, GUJARAT,INDIA (72)Name of Inventor: 1)CHARAN, GANPAT, DAN, SHIMBHU 2)SINGH, KUMAR, KAMLESH, LAXMI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	
Filing Date	:I <b>N</b> A	

## (57) Abstract:

The present invention relates to an amorphous form of Zanamivir and its pharmaceutical compositions. The process for the preparation of amorphous zanamivir comprises a) dissolving zanamivir in suitable solvent b) lypholizing or spray drying the solvent to afford said amorphous zanamavir.

No. of Pages: 9 No. of Claims: 5

(22) Date of filing of Application :22/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL COMPOUNDS AS INHIBITORS OF RENIN

	·C07D211/60	(71)NJ
(51) International classification	C07D401/12	(71)Name of Applicant:
		1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :ZYDUS TOWER, SATELLITE
(32) Priority Date	:NA	CROSS ROAD, AHMEDABAD - 380 015, GUJARAT,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DESAI, JIGAR
Filing Date	:NA	2)THOMBARE, PRAVIN
(87) International Publication No	:N/A	3)JAIN, MUKUL, R.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel renin inhibitors of general formula (1), novel intermediates involved in their synthesis, their pharmaceutically acceptable salts and pharmaceutical compositions containing them. The present invention also relates to a process of preparing compounds of general formula (1), wherein all the symbols are as defined in the specification, their tautomeric forms, their pharmaceutically acceptable salts, pharmaceutical compositions containing them, and novel intermediates involved in their synthesis.

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

(22) Date of filing of Application :22/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SUBSTANTIALLY PURE ZILEUTON AND PROCESS FOR PREPARING THEREOF

(51) International classification	:C07D333/58	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CADILA HEALTHCARE LIMITED
(32) Priority Date	:NA	Address of Applicant :ZYDUS TOWER, SATELLITE
(33) Name of priority country	:NA	CROSS ROAD, AHMEDABAD - 380 015, GUJARAT, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DWIVEDI, SHRIPRAKASH, DHAR
(87) International Publication No	: NA	2)SINGH, RAMESH, CHANDRA
(61) Patent of Addition to Application Number	:NA	3)CHAVDA, RAJENDRA, GOKALBHAI
Filing Date	:NA	4)RAVAL, JIGAR, MUKUNDBHAI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a process for preparing substantially pure Zileuton of formula (I) free from impurities having surface area 0.9 to 3.1 comprising the steps of: i) obtaining a solution of Zileuton in an organic solvent; ii) heating the solution; iii) cooling the solution; iv) isolating substantially pure Zileuton of formula (I).

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

(22) Date of filing of Application :07/01/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ASSORTMENT PLANNING AND OPTIMIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G06Q10/00, G06F17/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant:NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI-400 021, MAHARASHTRA, INDIA.  (72)Name of Inventor: 1)PADMANABHAN, KISHORE
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)RAMANAN, SHARADHA 3)RAO, SHILPA
Filing Date	:NA :NA	

### (57) Abstract:

The present subject matter relates to systems and methods for assortment planning and optimization in a retail environment. In one implementation, a method for assortment planning and optimization is described. The method includes receiving assortment parameter data, and input information. The input information includes performance data, product data, fixture data and store data. Further, the method includes ranking product items based at least on the assortment parameter data and the input information. Furthermore, the method includes creating a listing of the product items based at least on the ranking. Such listing of the product items is processed based at least on predefined business rules, to generate one or more assortment solutions for providing optimal gross margins.

No. of Pages: 29 No. of Claims: 23

(22) Date of filing of Application :14/01/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ELECTRONIC-GOVERNING SYSTEM FOR ENGINE WITH MONOBLOCK UNIT PUMPS AND METHOD OF OPERATING THEREOF

## (57) Abstract:

The present invention relates to electronic-governing system for engine that uses monoblock unit pumps. In particular the invention relates to controlled fuel injection in the engine. The synergistic combination and configuration of the a mono block mechanical fuel injection unit pump, a rotating means that rotates in increments, control unit that is configured with the said rotating means and sensors and the means that aid to convert rotational motion in linear motion results in precise control of the fuel input to the engine based on the instantaneous speed of the engine obviating the problems associated flyweight, linkages etc. thereby substantially reducing the response time of the system resulting in improved fuel economy, reducing emission, offering consistency in low and high idle, reducing power consumption and vibration of the system yet providing capability of adapting and integrating with the available fuel injection pumps.

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

(21) Application No.1894/MUM/2009 A

(19) INDIA

(22) Date of filing of Application :15/01/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL NUCLEATING AGENTS FOR POLYOLEFINS BASED ON ACETAL COMPOUNDS

(51) International classification	:C07D 451/00, C08K5/1575,	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, MAKER CHAMBER  IV, 221, NARIMAN POINT, MUMBAI 400 021,
(31) Priority Document No	:NA	MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GANDHAM SATYA SRINIVASA RAO
(86) International Application No	:NA	2)S MUTHUKUMARU PILLAI
Filing Date	:NA	3)VIRENDRA KUMAR GUPTA
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Described herein are novel acetal compounds capable as nucleating agents for polyolefins. The present invention relates to such compounds synthesized by reacting aromatic aldehydes with polyols and further, to the achievement of high crystallization temperatures in polypropylene compositions upon dispersal therein of formulations containing one or more of the said acetal compounds.

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

(22) Date of filing of Application :21/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BEAM FORMWORK SYSTEM MADE OF ENGINEERING PLASTIC

	:E04G9/05,	(71)Name of Applicant:
(51) International classification	E04G17/04,	
	E04G17/02	Address of Applicant :TATHATA, 33/B NANDIGRAM SOC.
(31) Priority Document No	:NA	NO. 2, SINDHWAI MATA ROAD, PRATAPNAGAR,
(32) Priority Date	:NA	VADODARA - 390004 GUJARAT, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PATEL DAXA RAMESH
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 describes a beam formwork system made of engineering plastic which is made from petroleum waste. This formwork being made of plastic is light weight and so can be easily transported from one place to another. It can be easily installed as well as dismantled without the need of skilled personnel. As it is made of plastic, it doesnt absorb water or react with the construction material giving good quality RCC finishing. There are very minute gaps between two fixtures due to which the RCC beam made doesnt need to be plastered. The beam formwork is highly versatile and can be reused for upto 100 times. Cleaning of the dismantled formwork can be easily done by washing with water. Thus the beam formwork system is highly advantageous and eliminates the disadvantages of the currently used formwork systems.

No. of Pages: 30 No. of Claims: 19

(22) Date of filing of Application :21/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: DEVICE SUITABLE FOR DISPENSING LIQUID MEDICAMENT

<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>	:B65D83/76, B65D83/14 :NA :NA :NA	(71)Name of Applicant:  1)SUN PHARMA ADVANCED RESEARCH COMPANY LTD.  Address of Applicant:17-B, MAHAL INDUSTRIAL ESTATE, OFF MAHAKALI CAVES ROAD, ANDHERI (E),
(86) International Application No	:NA	MUMBAI - 400 093, MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRASHANT KANE
(61) Patent of Addition to Application Number	:NA	2)SATISH MADHUKAR GOKHALE
Filing Date	:NA	3)GOLE NACHIKET
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention describes a device suitable for dispensing multiple doses of a liquid medicament, the device comprising a) a container having a liquid medicament therein, comprising at least one collapsible wall (3) b) a rotating plunger (7) connected to a push button (8) and c) locking means wherein upon pressing the push button (8), the rotating plunger (7) rotates and traverses from the first position to a traversed position causing preset compression of the collapsible wall of the container (3) to dispense a preset volume of the liquid medicament, and wherein the rotating plunger (7) is locked from returning to the first position by the locking means, thereby preventing air from entering back into the container to maintain a sterile environment within the container (3).

No. of Pages: 41 No. of Claims: 12

(21) Application No.2369/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL MICROPARTICULATE COMPOSITIONS OF POLYPEPTIDES

	:A61K9/16,	(71)Name of Applicant :
(51) International classification	A61K38/31,	1)WOCKHARDT LIMITED
	A61K47/1	Address of Applicant :D-4 MIDC Industrial area
(31) Priority Document No	:NA	Chikalthana Aurangabad - 431210 MAHARASHTRA, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Kumar Mukesh
(86) International Application No	:NA	2)Jain Girish Kumar
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	
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA : NA :NA :NA	1)Kumar Mukesh

## (57) Abstract:

There is provided pharmaceutical microparticulate compositions of biologically active polypeptides and methods of forming and using such compositions. More particularly, microparticle compositions for sustained release of biologically active polypeptides are provided. By using particular pharmaceutical excipients, compositions of biologically active polypeptides with desired release profile can be prepared. The microparticle compositions of this invention comprise a biocompatible polymer, a biologically active polypeptide, and pharmaceutical excipients.

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

(21) Application No.2370/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL MICROPARTICULATE COMPOSITIONS OF POLYPEPTIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:A61K38/22, A61K9/16, :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)WOCKHARDT LIMITED  Address of Applicant: D-4 MIDC Industrial area  Chikalthana Aurangabad - 431210 MAHARASHTRA, INDIA.  (72)Name of Inventor:  1)Kumar Mukesh  2)Jain Girish Kumar
Filing Date	:NA	

### (57) Abstract:

There is provided pharmaceutical microparticulate compositions of biologically active polypeptides and methods of forming and using such compositions. More particularly, a compositions for sustained release of biologically active polypeptides containing more than 5% w/w of sugar are provided. By using more than 5% w/w sugar, compositions of biologically active polypeptides with desired release profile can be prepared. The sustained release compositions of this invention comprises a biocompatible polymer, a biologically active polypeptide, more than 5% w/w sugar and optionally, suitable pharmaceutical excipients.

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

(22) Date of filing of Application :13/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A SYSTEM FOR DISTILLATION AND FILTRATION OF DISSOLVED SOLID FROM LIQUID/SOLUTION SOLVENTS AND WATER (POLLAR AND NON POLLAR LIQUID)

	:F28B (71) <b>Name of</b>	Applicant :
(51) Intermetional alogaification	5/00, 1)SAJJAN	INDIA LIMITED
(51) International classification	F28B Address o	of Applicant:#2 GROUND FLOOR, MATULYA
	3/00 CENTRE, SE	NAPATI BAPAT MARG, LOWER PAREL,
(31) Priority Document No	:NA MUMBAI - 4	.00 013, MAHARASHTRA, INDIA.
(32) Priority Date	:NA (72) <b>Name of</b>	Inventor:
(33) Name of priority country	:NA 1) <b>MR. BAI</b>	HURAN JHA,
(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	
(50) A1		

#### (57) Abstract:

A system for distillation and filtration of dissolved solid from liquid/solution solvents and water (pollar and non pollar liquid) comprising of a high pressurized steam boiler having inlets and outlet to which pipes are fixed; the outlet pipe is fitted to the turbine; the steam outlet of the turbine is fitted with an outlet pipe with a steam and pressure valve fitted to it; the jacket of steam jacketed reactor having an inlet and outlet, the inlet is connected/fitted with a pipe; the outlet at the bottom of the steam jacketed reactor is fitted with a flow controlling valve and pipe leading to the storage tank below; the reactor of the steam jacketed reactor has an inlet and two outlets; the inlet has a flow controlling valve and pipe fitted to it; the pipe is connected to the storage tank; to the outlet on the top side of the reactor has pipe fitted to it with a steam and pressure controlling valve which is fitted to the inlet of jacket of the steam jacketed reactor; to the second outlet of the reactor at the bottom, has a flow controlling valve fitted to pipe which leads to a filtering nutche which has at its bottom, a flow controlling valve fitted to pipe which leads to storage tank or fitted with a pipe having a steam and pressure controlling valve which is connected/fitted to a storage tank.

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

(22) Date of filing of Application :15/12/2010 (43) Publication Date : 07/03/2014

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

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	A61K9/14 :NA :NA :NA	(71)Name of Applicant: 1)VAVIA PRADEEP RATILAL Address of Applicant: DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(86) International Application No	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
Filing Date	:NA	(EAST), MUMBAI 400 019 Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)VAVIA PRADEEP RATILAL
Filing Date	:NA	2)MONPARA JASMIN DHIRAJLAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel method for the preparation of nanosuspension of Ezetimibe or its pharmaceutically acceptable salt and pharmaceutical formulation of Ezetimibe comprising liquid or dried form of prepared nanosuspension. The method involves preparation and stabilization of Ezetimibe nanosuspension using very low concentration of stabilizer, wherein the nanosuspension is prepared by antisolvent precipitation method.

No. of Pages: 19 No. of Claims: 8

(21) Application No.3423/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K47/32, A61K31/506	(71)Name of Applicant: 1)CIPLA LIMITED
(31) Priority Document No	:NA	Address of Applicant :289, BELLASIS ROAD, MUMBAI
(32) Priority Date	:NA	CENTRAL, MUMBAI - 400 008, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MALHOTRA, GEENA
Filing Date	:NA	2)PURANDARE, SHRINIVAS MADHUKAR
(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	
(FF) A1		·

#### (57) Abstract:

A solid oral pharmaceutical composition comprises greater than 100 mg of imatinib, and one or more pharmaceutically acceptable excipients. A process for preparing a pharmaceutical composition comprising than greater than 100 mg of imatinib, and one or more pharmaceutically acceptable excipients comprises manufacturing a solid oral pharmaceutical composition by granulating imatimib with one or more pharmaceutically acceptable excipients. A solid oral pharmaceutical composition for use in medicine comprises greater than 100 mg of imatinib, and one or more pharmaceutically acceptable excipients.

No. of Pages: 24 No. of Claims: 38

(21) Application No.3428/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :16/12/2010

(43) Publication Date: 07/03/2014

# (54) Title of the invention: A PROCESS

	:A23F	(71)Name of Applicant:
(51) International classification	3/16,	1)HINDUSTAN UNILEVER LIMITED
(31) International classification	A23F	Address of Applicant :HINDUSTAN UNILEVER LIMITED,
	3/36	UNILEVER HOUSE, B.D. SAWANT MARG, CHAKALA,
(31) Priority Document No	:NA	ANDHERI EAST, MUMBAI - 400 099, MAHARASHTRA,
(32) Priority Date	:NA	INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MUKHOPADHYAY RESHMEE
Filing Date	:NA	2)NAGARAJAN KALAIVANAN
(87) International Publication No	: NA	3)NARAYANAN VENKATRAJ VENKATRAO
(61) Patent of Addition to Application Number	:NA	4)PRAMANIK AMITAVA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a process for manufacturing tea product. More particularly the present invention relates to a process for preparation of a tea juice. The process comprises expressing juice from fresh tea leaves thereby to produce leaf residue and tea juice, characterized in that an alkaline agent is added to the tea leaves at a mass ratio of 0.001:1 to 0.08:1 prior to or during the step of expressing the juice.

No. of Pages: 18 No. of Claims: 15

(21) Application No.47/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD FOR DRIVING CLOTHES TO ROLL IN UPRIGHT BARREL BY USING IMPELLERS AND APPLICATION THEREOF

(51) International

:D06F17/06,D06F17/10,D06F21/06 classification

(31) Priority Document No :201010198042.2 (32) Priority Date :16/06/2010 (33) Name of priority country: China

(86) International Application :PCT/CN2010/001923 No

:30/11/2010 Filing Date

(87) International Publication :WO 2011/156944

(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)HEFEI GOOLU TECH. WASHER CO. LTD.

Address of Applicant :4th Floor Building 5 No.68 Jinggang

Road Shushan District Hefei Anhui 230031 China

(72)Name of Inventor: 1)PAN Xuezhen

## (57) Abstract:

A method for driving clothes to roll in an upright barrel by using impellers and the application thereof are disclosed. The method makes the clothes form at least two alternate roll planes which don't appear at the same time in the upright barrel and an angle is formed between the roll planes. The clothes roll more than once at one roll plane and then switch to the other roll plane to roll more than once. During the roll course at least one impeller is used for providing lateral auxiliary force. There are 3.5 impellers for driving the clothes to roll and there are 3 8 ribs on each impeller. The method can significantly improve the detergency and provide the advantage of multi direction roll.

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

(22) Date of filing of Application :31/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR THE SYNTHESIS OF PROTECTED UNNATURAL AMINO ACID

(51) International classification :CO' (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	GOVANDI(E), MUMBAI-400 088, MAHARASHTRA, INDIA (72)Name of Inventor: 1)MOHE, NIKHIL UMESH 2)CHAVRE, PRAFUL SHAMRAO 3)DESHMUKH, BHARTI PRABHAKARRAO 4)MURALIDHARAN CHANDRAKESAN 5)LOBO, LESTER JOHN 6)PAWAR, DIGAMBER SHRIPATI 7)SAKSENA DIVYA LAL
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# (57) Abstract:

A process for synthesis of a protected unnatural amino acid of the Formula 1.wherein RI is any guanidino protecting group; and R2 is any a-amino Nitrogen protecting group; wherein the process comprises reacting unnatural amino acid of Formula 2, with an a-amino protecting reagent dissolved in aqueous organic phase essentially in the presence of an organic base.

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

(22) Date of filing of Application :31/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AN IMPROVED PROCESS FOR PRODUCTION OF HIGHLY PURE SUBMICRON, YTTRIA STABILIZED, ZIRCONIA POWDER FROM ZIRCON

(74) 7	G0 470 6 7 /4 0	7127
(51) International classification	:C04B35/10	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN RARE EARTHS LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 1207, VEER SAVARKAR
(33) Name of priority country	:NA	MARG, ECIL BUILDING, PRABHADEVI, MUMBAI 400 028,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)P.K. MISRA
(61) Patent of Addition to Application Number	:NA	2)K. JAYAPRAKASH NAIR
Filing Date	:NA	3)R. MADHAVAN KUTTY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

This invention relates to an improved process for production of highly pure submicron size yttria stabilized zirconia powder from zircon. This invention particularly relates to the improvements in the process of manufacturing zirconium frit from zircon, leaching of wet zirconium frit with Hydrochloric acid, purification of zirconyl chloride solution by liquid-liquid extraction, conversion to zirconium hydroxide vide zirconium basic sulphate, doping of yttria in hydrochloric acid medium, conversion of the mixed slurry to hydroxide in the sequence of steps in the process for producing high pure submicron size yttria stabilized zirconia from zircon sand. The product 8 mol% yttria stabilized zirconia is having a fully cubic structure with impurities like iron, silica, titania below objectionable level, can be used as an electrolyte or electrode in SOFC application.

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

(19) INDIA

(22) Date of filing of Application :16/12/2010

(21) Application No.3433/MUM/2010 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: USE OF PHOSPHORIC ACID ON OBESITY & OTHER DISORDERS

(51) International classification	25/18, A61P	(71)Name of Applicant:  1)AMIT RAMESH GAIKWAD  Address of Applicant: 1/14E, ANAND DHAM, PUNE ROAD, HANDE PLOT, NEAR AMBASSADOR HOTEL,
(31) Priority Document No		SOLAPUR, DIST. SOLAPUR. Maharashtra India
(32) Priority Date		(72)Name of Inventor:
(33) Name of priority country	:NA	1)AMIT RAMESH GAIKWAD
(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:

This invention is related to the treatment of obesity, urinary stone, asthma, Tuberculosis, common cold, cough ,Androgenic disorders, including benign prostate hypertrophy, prostatic cancer. Acne, & dissorders caused by estrogen (like breast cancer), wilsons disease by the use of phosphoric acid.

No. of Pages: 35 No. of Claims: 8

(22) Date of filing of Application :16/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A NOVEL PROCESS FOR DEHYDRATION OF BOVINE COLOSTRUM

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number (83) International Publication No (84) International Publication No (85) International Publication Number (86) Patent of Addition to Application Number (87) International Publication Number (88) International Publication Number (89) International Publication Number (80) Piling Date (81) International Classification Number (81) International Classification Number (82) International Classification Number (83) Name of priority Country (84) International Application Number (87) International Publication Number (88) International Application Number (89) International Publication Number (80) International Publication Number (81) International Publication Number (81) International Publication Number (82) International Publication Number (83) International Publication Number (84) International Publication Number (85) International Publication Number (86) International Publication Number (87) International Publication Number (87) International Publication Number (88) International Publication Number (89) International Publication Number (80) International Publication Number (81) International Publication Number (81) International Publication Number (82) International Publication Number (83) International Publication Number (84) International Publication Number (85) International Publication Number (86) International Publication Number (87) International Publication Number (88) International Publication Number (89) International Publication Number (80) International Publication N	A DEMINIA FRIE
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# (57) Abstract:

The current invention aimed to successfully dehydrate and preserve bovine colostrum. Effect of lyophilisation, spray drying and tray drying on the immunoglobulin G (IgG) content in natural bovine colostrum was studied. Negligible degradation of IgG was found in lyophilised and tray dried colostrum powders. The material of construction of trays and sample application technique significantly influenced recovery during tray drying. This possibly is the first report on successful tray drying of colostrum. The stability of the dehydrated powders and liquid colostrum were compared. IgG content in all dehydrated powders was preserved over a period of 6 months.

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

(22) Date of filing of Application :11/01/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: EXTENDED RELEASE PHARMACEUTICAL COMPOSITIONS OF PALIPERIDONE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K31/517, A61K9/28 :NA :NA :NA	(71)Name of Applicant:  1)UNICHEM LABORATORIES LIMITED  Address of Applicant: UNICHEM BHAVAN, PRABHAT ESTATE, OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI - 400 102, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GEDALA VENKATA MURALI MOHAN BABU
(87) International Publication No	: NA	2)RAHUL PRADEEP DIXIT
(61) Patent of Addition to Application Number	:NA	3)G.S.V. SUBRAMANYAM
Filing Date	:NA	4)SOHAM SHRIKAR SAGAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel extended release solid oral dosage forms of paliperidone and methods for their manufacture thereof, useful for the treatment of Schizophrenia and Schizoaffective disorders.

No. of Pages: 39 No. of Claims: 27

(21) Application No.3123/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: OPENER FOR FIBRE IN TUFTS ON A CARDING PREPARATION LINE.

(51) International classification	:D01G9/06, D01G9/04	(71)Name of Applicant: 1)MARZOLI S.P.A.
(31) Priority Document No	:BS2011A000114	Address of Applicant :VIA S. ALBERTO, 10 1-25036
(32) Priority Date	:05/08/2011	PALAZZOLO SULLLOGLIO, BRESCIA, ITALY
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:NA	1)MASCHERETTI, MARIO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:2090/MUM/2012	
Filed on	:20/07/2012	

## (57) Abstract:

An opener for fibre in tufts comprises a first opener roller (32) and a second opener roller (52) beside the first. The first opener roller (32) is fed by a two transversally separate fibre flows (F1,F2), which proceed axially towards the ends of the first roller, passing then onto the second roller and proceeding axially towards the centre thereof, from where they are expelled. The opener roller (32, 52) has portions fitted with pegs positioned along axially symmetric, respective imaginary helical lines.

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

(22) Date of filing of Application :22/12/2010 (43) Publication Date : 07/03/2014

## (54) Title of the invention: INTEGRATED EXHAUST GAS AFTER-TREATMENT SYSTEM FOR DIESEL FUEL ENGINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	F01N3/035 :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED Address of Applicant:R&D CENTER, AUTOMOTIVE DIVISION, 89, M.I.D.C., SATPUR, NASHIK 422 007, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)PATADE VISHNU KEDARI 2)KOKATE RAKESH JANARDHAN 3)HARDIKAR MADHAV ANANT 4)VELUSAMY RAMASAMY
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### (57) Abstract:

An integrated exhaust gas after-treatment system for eliminating pollutants present in exhaust gases is disclosed. The integrated exhaust gas after-treatment system includes a Diesel Oxidation Catalyst (DOC) - Diesel Particulate Filter(DPF) assembly, a Selective Catalytic Reduction (SCR), a dosing module and a reducing agent supply system. The Diesel Oxidation Catalyst (DOC) - Diesel Particulate Filter (DPF) assembly is connected to an exhaust gas manifold of an engine and includes a canister for holding a Diesel Oxidation Catalyst (DOC) and a Diesel Particulate Filter (DPF). The Diesel Particulate Filter (DPF) is disposed downstream of the Diesel Oxidation Catalyst (DOC) and is spaced there-from. The Selective Catalytic Reduction (SCR) is disposed downstream of the Diesel Oxidation Catalyst (DOC) - Diesel Particulate Filter (DPF) assembly and facilitates elimination of NOx present in the exhaust gases by reduction of the NOx.

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

(22) Date of filing of Application :20/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROLONGED RELEASE PHARMACEUTICAL COMPOSITIONS OF CLARITHROMYCIN

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61K31/7048, A61K 9/52 :NA	(71)Name of Applicant:  1)UNICHEM LABORATORIES LIMITED.  Address of Applicant: UNICHEM BHAVAN, PRABHAT
(32) Priority Date	:NA	ESTATE, OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI -
(33) Name of priority country	:NA	400 102, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GEDALA VENKATA MURALIMOHAN BABU
(87) International Publication No	: NA	2)N.S.K. SENTHIL KUMAR
(61) Patent of Addition to Application Number	:NA	3)AMOL SAHEBRAO DHANE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to the field of pharmaceutical technology and describes prolonged release oral pharmaceutical matrix type of composition comprising clarithromycin or its pharmaceutically acceptable salt solvate, enanliomers or mixtures thereof & method for manufacturing of the said composition. This composition is to be taken once a daily through oral administration for the treatment of microbial infection.

No. of Pages: 36 No. of Claims: 33

(22) Date of filing of Application :07/01/2008

(43) Publication Date: 07/03/2014

(54) Title of the invention : POLYMORPHS OF (4R-CIS)-6- [2-[3-PHENYL-4-(PHENYLCARBAMOYL)-2-(4-FLUOROPHENYL)-5-(1-METHYLETHYL)-PYRROL-1-YL]-ETHYL]-2,2-DIMETHYL-[1,3]-DIOXANE-4-YL-ACETIC ACID TERTIARY BUTYL ESTER, FOR THE PREPARATION OF ATORVASTATIN AND SALTS THEREOF

(51) Intermedianal alessification	.C07C255/00	(71)Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)TORRENT PHARMACEUTICALS LTD.
(32) Priority Date	:NA	Address of Applicant :TORRENT HOUSE, OFF ASHRAM
(33) Name of priority country	:NA	ROAD, NEAR DINESH HALL, AHMEDABAD-380 009,
(86) International Application No	:NA	GUJARAT,INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUNIL SADANAND NADKARNI
(61) Patent of Addition to Application Number	:NA	2)YOGESHKUMAR CHANDULAL POKAR
Filing Date	:NA	3)RAJESH RAI
(62) Divisional to Application Number	:NA	4)ATTANTI V.V. SRINIVASA RAO
Filing Date	:NA	

## (57) Abstract:

The present invention describes two new polymers of (4R-Cis)-6-[2-[3-phenyl-4-(phenylcarbamoyl)-2-(4-fluorophenyl)-5-(1-methylethyl)-pyrrol-1-yl]-ethyl]-2,2-di-methyl-[1,3]-dioxane-4-yl-acetic acid tertiary butyl ester and the process for their preparation. This invention also relates to the use of these two polymorphs to prepare atrovasfatin or its pharmaceutically acceptable salts.

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

(22) Date of filing of Application :09/12/2010

(43) Publication Date: 07/03/2014

# (54) Title of the invention : SYSTEM BOUND MECHANISM TO SECURE ONLINE MONEY TRANSACTIONS THROUGH NET CHEQUES FOR ONLINE BANKING SOLUTIONS

<ul> <li>(51) International classification</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>	:G06F21/00, G06Q20/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)SAXENA, ANURAG  Address of Applicant: A - 1004, VICTORIA GARDEN, KALYANI NAGAR, PUNE - 411 006. Maharashtra India (72)Name of Inventor:  1)SAXENA, ANURAG
Filing Date (87) International Publication No	:NA : NA :NA	
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

#### (57) Abstract:

The present invention is a system bound mechanism to secure online money transactions through net cheques for online banking solutions. The present invention relates to the field of Information Technology. Particularly, the invention relates to online banking transactions of banking institutions. The invention has devised a method to make net cheque with plurality of indicia in the defined steps and also its verification in specified steps. Net cheque is made in physical form or in electronic form or in digital form or in combination of physical form, electronic form and digital form. Verification of net cheque is done by accepting sequentially a users inputs, the inputs including information of the plurality of indicia for authentication; and authenticating the user by matching the inputted information with records containing at least some of the information of plurality of indicia, the records being stored in a plurality of discreet databases and permitting the user to continue with the online transaction.

No. of Pages: 66 No. of Claims: 7

(22) Date of filing of Application :27/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: KEYBOARD FOR TYPING IN A REGIONAL LANGUAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	G06F3/01 :NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)PRASHANT ARUN KULKARNI Address of Applicant: B-7, ATREYA HOUSING SOCIETY, KOTHURD, PUNE-411 038 Maharashtra India (72)Name of Inventor: 1)PRASHANT ARUN KULKARNI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a keyboard for seamless typing in a regional language. The keyboard includes a number row having least used letters used for typing in the regional language placed thereon. Further, the keyboard includes a top row having high frequency letters used for typing in the regional language placed thereon and a home row having most frequently letters used for typing in the regional language placed thereon, thereby enabling a user to find the most frequently used letters quickly for speeding up the typing. Furthermore, the keyboard includes a bottom row having moderately used letters placed thereon, the bottom row having a first key in a regional language, wherein when the user press a consonant, a shift key and the first key, the a consonant cluster is formed in the regional language.

No. of Pages: 15 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

(54) Title of the invention: KNEE BOLSTER

	:B60R21/045,	(71)Name of Applicant :
(51) International classification	B60R21/045,	1)MAHINDRA & MAHINDRA LTD.
	B60R21/00	Address of Applicant :R&D CENTRE, AUTOMOTIVE
(31) Priority Document No	:NA	DIVISION, 89, M.I.D.C., SATPUR, NASHIK-422 007,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SAPKAL PRAVINKUMAR VASANT
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	

(21) Application No.3535/MUM/2010 A

### (57) Abstract:

A knee bolster (10) is disclosed wherein a foam (20) is integrally moulded onto a base which is fitted to a panel of a vehicle. The base is provided with a covered opening for on-board diagnostics (OBD). The knee bolster (10) of the present invention helps in protecting the occupant in the event of an impact by reducing the injury caused to occupants besides improving the aesthetics of the instrument panel of a vehicle.

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

(22) Date of filing of Application :24/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MODULAR LINKAGE DEVICE FOR COUPLING RIBS OF A RIB ASSEMBLY FOR A MULTIFOLDABLE UMBRELLA FRAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A45B19/10, A45B25/04 :NA :NA :NA :NA	(71)Name of Applicant:  1)KOBOLD (XIAMEN) INTERNATIONAL CO., LTD Address of Applicant: ROOM 403, ZHONG MIN BUILDING, NO.72, HUBIN NORTH ROAD, XIAMEN 361012, China (72)Name of Inventor:
Filing Date	:NA	1)MAX WANG
(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 modular linkage device used for coupling ribs (2, 3) of a multi-foldable umbrella frame, includes first and second modular linking halves (4, 5) disposed to confront each other in a pivot direction, and respectively having pivotal and pivoting holes (43, 53) registered with each other, and a fastening member (6) including a shank body (61) configured to permit a retained end (63) thereof to fit in the pivotal hole (43) and pass through the registeredpivoting hole (53) to be detachably engaged with the second modular linking half (5) while an enlarged abutment end (62) is brought to abut against an outward ma jor surf ace (42) of the first modular linking half (4) so as to couple the ribs (2, 3). The fastening member (6) is detachable from the linking halves (4, 5) to permit the shank body (61) to be nondestructively disengaged from the linking halves (4, 5).

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

(19) INDIA

(22) Date of filing of Application :23/12/2010

(21) Application No.3515/MUM/2010 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: PRESSURE LINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:F16D 25/12, B60K23/02, F15B7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)LUK LAMELLEN UND KUPPLUNGSBAU BETEILIGUNGS KG Address of Applicant:INDUSTRIESTRASSE 3, 77815 BUEHL, Germany (72)Name of Inventor: 1)THOMAS RAMMHOFER 2)IOANA KRAHTOVA 3)EDGAR HUMMEL 4)BOGLARKA SZAMOS 5)DOMINIQUE, FRISON
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#### (57) Abstract:

The invention relates to a pressure piping for a hydraulic system for a clutch actuation, consisting of at least one partial section of a plastic pipe with an outer diameter  $\check{z}D$  and an inner diameter d, wherein a comparison value k = (D2 + d2) of the plastic pipe is smaller than 70 mm2, with which on the one hand the response frequency can be pushed to smaller values, in order to reduce the noise transmission in the passenger cabin, and the on the other hand has a stiffness, which allows a power saving formation, and flexible laying in the vehicle space.

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

(19) INDIA

(22) Date of filing of Application :24/12/2010

(21) Application No.3520/MUM/2010 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DEVICE FOR WASHING HANDS

		(71)Name of Applicant:
(51) International classification	A47K10/48,	1 /
	A47K7/04	Address of Applicant :UNILEVER HOUSE, B.D. SAWANT
(31) Priority Document No	:NA	MARG, CHAKALA, ANDHERI EAST, MUMBAI - 400 099,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)CHAKRABORTTY AMIT
Filing Date	:NA	2)SAH AMIT
(87) International Publication No	: NA	3)SHRESTH RUDRA SAURABH
(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 in the field devices for hand washing, in particular the washing and drying of hands in public bathrooms. Accordingly it is an object of the present invention to provide a device for cleaning hands, especially a device for wetting hands, depositing a cleansing and/or disinfecting composition and rinsing consecutively, using a low amount of water. It has been found that an air-water jet nozzle assembly comprising two nozzles wherein a first nozzle is in fluid communication with a feed liquid source; and a second nozzle connected to a source of compressed air may be used to clean hands using low amounts of water in a short time.

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

(21) Application No.85/MUM/2008 A

(19) INDIA

(22) Date of filing of Application :11/01/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INTEGRATED DRIVE AND RESOLVER 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>	:B60K17/04, B60K 6/445 :NA :NA :NA :NA	(71)Name of Applicant:  1)LARSON AND TOUBRO LIMITED  Address of Applicant: L & T HOUSE, BALLARD ESTATE,  MUMBAI-400 001, MAHARASHTRA, INDIA.  (72)Name of Inventor:  1)NAGABHUSHAN VIVEK  2)RAMCHANDANI ARUN TARO
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

#### (57) Abstract:

The product of this invention is an integral gearbox that has features of driving and monitoring/measuring the angular motion of the bull gear. The invention thus integrates the functions of driving the bull gear as well as monitoring/measuring the angular motion. The product of the invention is particularly useful where the sector gear that is being driven by the gearbox output pinion has an arc length just sufficient for the motion limits of the application and cannot accommodate a secondary pick-up gear.

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

(22) Date of filing of Application :06/12/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF ENTACAPONE MORPH-D

<ul><li>(51) International classification</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>	:C07C255/41, A61K31/277 :NA :NA :NA	(71)Name of Applicant:  1)WOCKHARDT LIMITED  Address of Applicant: D-4 MIDC Industrial area Chikalthana Aurangabad - 431210 M.S. India (72)Name of Inventor:  1)Nasir Ali Shafakat Ali
Filing Date  (87) International Publication No  (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	2)Sushil Kumar Yadav 3)Keshav Deo 4)Kiran Kumar Gangakhedkar
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present inventors while developing the processes for the preparation of entacapone have developed process for the preparation of entacapone Morph D from any polymorphic form or their mixture it has the advantage of (i) use of water as the solvent in the presence of readily available organic or inorganic bases (ii) commercially and industrially more economical and viable process without use of any organic solvent (iii) substantially pure entacapone Form-D prepared by the process of invention is free from the other polymorph

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

(22) Date of filing of Application :01/01/2008 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FRESH AIR DUCT FOR VEHICLE AIR CONDITIONING SYSTEM

(51) International classification	STREET, HUTATMA CHOWK, MUMBAI 400 001 Maharashtra India (72)Name of Inventor: 1)KAVINDRA RAWAT 2)MILIND DEO 3)AMBADAS KANDEKAR
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#### (57) Abstract:

This invention relates to a fresh air duct for supplying fresh air to the interior of a vehicle. It consists of a duct with a narrow inlet and a broad outlet connecting the blower of the heating, ventilating and air conditioning system to the outside atmosphere through a narrow opening provided at the junction of the bonnet and leaf screen. The duct is made in two-part and baffles are provided to avoid water entering to the outlet of the duct. A filter means and drainage means are provided at the exit end and at a port before the filter means for removing suspended particles and rain water.

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

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR DETECTING ILLEGAL USE OF A SECURITY PROCESSOR

:France :PCT/EP2011/062689 :22/07/2011 :WO 2012/010706 :NA :NA	Address of Applicant :Les Collines de l'Arche Tour Opera C F 92057 Paris La Dfense France (72)Name of Inventor :  1)BOIVIN Mathieu  2)DUBROEUCQ Gilles
:NA	
	:PCT/EP2011/062689 :22/07/2011 :WO 2012/010706 :NA :NA

#### (57) Abstract:

This method for detecting an illicit use of a security processor used for the descrambling of different multimedia contents disseminated on several respective channels comprises: - the incrementing (153) of a counter Kchi by a predetermined step whenever, after verification, a message ECMi,c is received within a time slot immediately consecutive to a message ECMi,p and, if not, the resetting (158) of the counter Kchi at its initial value, - the detection (162) of an illicit use as soon as the counter Kchi reaches a predetermined threshold.

No. of Pages: 22 No. of Claims: 11

(19) INDIA

(21) Application No.501/MUM/2008 A

(22) Date of filing of Application :12/03/2008

(43) Publication Date: 07/03/2014

# (54) Title of the invention : GASTRO-RETENTIVE COMPOSITIONS OF DARIFENACIN AND PROCESS FOR PREPARATION THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K31/417, C07D405/06 :NA :NA :NA	(71)Name of Applicant:  1)TORRENT PHARMACEUTICALS LTD.  Address of Applicant: TORRENT HOUSE, OFF ASHRAM ROAD, NEAR DINESH HALL, AHMEDABAD 380009, GUJARAT,INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHETH RAKESH KIRITBHAI
(87) International Publication No	: NA	2)RAJHANS SUJAY KAMALAKAR
(61) Patent of Addition to Application Number	:NA	3)MATH NIJAGUNI REVANSIDDAYYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to sustained release pharmaceutical compositions of darifenacin; and process for preparing such compositions. More particularly, it relates to gastro-retentive compositions comprising (i)darifenacin and (ii) a matrixcomprising at least one swellable polymer, wherein the composition releases more than 90% by weight of the darifenacin to upper part of gastro-intestinal tract of a patient after oral administration.

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

# **CONTINUED TO PART-2**

# **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1298/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/04/2012

(43) Publication Date: 07/03/2014

### (54) Title of the invention : A MOBILE NODEB (MNB)

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04W88/00 :NA	(71)Name of Applicant : 1)Tejas Networks Limited
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANIL C
(61) Patent of Addition to Application Number	:NA	2)ROHIT KUMAR
Filing Date	:NA	3)VINOD KUMAR MADAIAH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method, implemented in a node of a Radio Access Network (RAN) which can connect to an LTE base station as a User Equipment (UE) and can serve multiple wireless User Equipments (UEs) in a network. In one embodiment, this can be accomplished by receiving from a plurality of user equipments (UEs) request message to the network at the RAN node and multiplexing all UEs request message and control signaling at the RAN node and provisioning the same to the network as a single User Equipment, wherein the plurality of UEs connected to the RAN node are not visible at core network and the LTE base station to which RAN node is connected, thereby reducing the usage of bandwidth of per UE transaction with the core network.

No. of Pages: 27 No. of Claims: 6

(22) Date of filing of Application :02/04/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: COMMUNITY ENERGY MANAGEMENT SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H02J3/00 :NA :NA :NA	(71)Name of Applicant:  1)Accenture Global Services Limited    Address of Applicant: 3 Grand Canal Plaza Grand Canal Street Upper Dublin 4 IRELAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Vikrant Shyamkant Kaulgud
(87) International Publication No	: NA	2)Sanjoy Paul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Systems and methodsfor distributed control and energy management of one or more communities of energy-consuming units may include aggregation of consumption data from units, and determining per-unit electricity consumption based thereon, including consumption of backup power provided by a community during periods of time of poor quality (brownouts) or blackouts of a utility. One system calculates and assesses to respective units per-unit costs for such backup power. A system may also issue a command or alert to units to carry out one or both of community electricity usage objectives and electricity quotas required by the utility, which may be determined through execution of rules. Smart device management systems at units may execute the command or unit owners may react to alerts to reduce or cut electricity consumption by certain appliances. In a system of hierarchical monitoring of the provision of electricity by the utility and unit-level consumption of electricity, aseparate provider system may control a group of one or more community energy management systems in at least the above-listed ways.

No. of Pages: 56 No. of Claims: 20

(22) Date of filing of Application :02/05/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD AND DEVICE FOR MONITORING THE BRAKE LINING WEAR AND CLEARANCE OF A SERVICE BRAKE IN MOTOR VEHICLES

(51) International classification	:F16D66/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)MAN TRUCK & BUS AG
(31) Thomas Document 110	100 726.5	Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:06/05/2011	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)WITTMANN, THOMAS
Filing Date	:NA	2)WELLNER, STEPHAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method and device for monitoring the brake lining wear and clearance of a service brake in motor vehicles. The invention relates to a method and a device for monitoring the brake lining wear and the clearance of a service brake in motor vehicles, in particular in utility vehicles, having, per wheel brake, at least one travel sensor which is connected into the activation chain of the brake activation means and which is connected to an electronic evaluation unit, wherein the travel sensor signals the lining wear and at the same time the clearance is detected by means of the evaluation unit, and wherein in the case of a defined increase in the clearance, detected with respect to a predefined setpoint clearance, and therefore an excessively large clearance, a warning display is activated. According to the invention, the travel sensor (18) and the evaluation unit (20) are configured in such a way that, by evaluating the signal difference between the travel sensor signals for an activated service brake and for a non-activated service brake, a current clearance (s) is detected as an actual clearance and therefore any deviation of clearance (s) from the setpoint clearance can be detected, wherein the warning display is activated both when it is detected that the predefined setpoint clearance is exceeded in a defined fashion, and therefore there is an excessively large clearance (s), and when it is detected that the predefined setpoint clearance is undershot in a defined fashion, and therefore there is an excessively small clearance (s) or no clearance (s).

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

(19) INDIA

(22) Date of filing of Application :24/04/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: AUTHENTICK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F21/00 :NA :NA	(71)Name of Applicant: 1)MR. ANAND SAM Address of Applicant: C-103, CHARTERD CORONET APT.,
(33) Name of priority country	:NA	102/2, 2ND MICO LAYOUT, ARKERE GATE, BANGALORE,
(86) International Application No	:NA	PIN - 560 076 Karnataka India
Filing Date	:NA	2)MR. RAJESH VARRIER
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MR. ANAND SAM
Filing Date	:NA	2)MR. RAJESH VARRIER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.1603/CHE/2012 A

## (57) Abstract:

The present invention provides a framework for generating and tracking/validating products such as pharmaceutical drugs, food and beverages, FMCG etc. at a primary unit level. The solution has two components. The product framework can be easily integrated with the manufacturers existing printing/packaging process. The product enables the manufacturer to generate unique identifiers at each unit level and print the same on the package. Validation of the unique code can be done through several channels. We can have consumers checking out the authenticity of the product through mobile devices, web and call centers.

No. of Pages: 42 No. of Claims: 9

(22) Date of filing of Application :15/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR HANDLING VOICE AND NON-VOICE CALLS IN A CSFB SCENARIO

(51) International classification	·H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(33) Name of priority country	:NA	Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-
(86) International Application No	:NA	560093 Nagaland India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Satish Nanjunda Swamy Satish
(61) Patent of Addition to Application Number	:NA	2)Gert-Jan van Lieshout
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for handling both voice and non-voice calls in a CSFB scenario is disclosed. An indication is provided to user equipment (UE) to indicate whether the CSFB call is a voice call or a non-voice call (CS data call). The indication can be provided to the UE by a wireless network in a RRC connection release message or a CS service notification message. Further, the UE upon receiving the indication from the network can indicate whether the CSFB call is a voice call or a data call to a target radio access network (RAN) by providing a priority bit indication to all the voice calls for differentiating the voice calls from non-voice calls. The RAN prioritizes all the voice calls ahead of non-voice calls for the UE in the CSFB scenario.

No. of Pages: 30 No. of Claims: 18

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : COATED ARTICLE HAVING YTTRIUM-CONTAINING COATINGS APPLIED BY PHYSICAL VAPOR DEPOSITION AND METHOD FOR MAKING SAME

(51) International classification	:C23C14/00	(71)Name of Applicant:
(31) Priority Document No	:13/178,564	1)KENNAMETAL INC.
(32) Priority Date	:08/07/2011	Address of Applicant :1600 Technology Way P.O. Box 231
(33) Name of priority country	:U.S.A.	Latrobe Pennsylvania 15650-0231 United States of America.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Wangyang Ni
(87) International Publication No	: NA	2)Ronald M. Penich
(61) Patent of Addition to Application Number	:NA	3)Yixiong Liu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		-

#### (57) Abstract:

A coated article (20 100) has a substrate (22 102) and a coating scheme (24 106) which has a PVD coating region (110). The PVD coating region (110) contains aluminum yttrium nitrogen and at least one element selected from the group of titanium zirconium hafnium vanadium niobium tantalum chromium molybdenum tungsten and silicon. The sum of the aluminum and yttrium contents is between about 3 atomic percent and about 55 atomic percent of the sum of aluminum yttrium and the other elements. The yttrium content is between about 0.5 atomic percent and about 5 atomic percent of the sum of aluminum yttrium and the other elements. There is also a method of making the coated article (20 100) that includes steps of providing the substrate (22 102) and depositing the above coating scheme (24 106) with the PVD coating region (110).

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

(22) Date of filing of Application :28/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR SELF- BROADCASTING IN A SOCIAL EXPERIENCE ENVIRONMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:NA	(71)Name of Applicant : 1)Samsung India Software Operations Pvt Ltd
(32) Priority Date (33) Name of priority country	:NA :NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1 Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-
(86) International Application No	:NA	560093 Nagaland India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Basavaraj Jayawant Pattan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for self-broadcasting content during an on going content viewing activity. The method receives a request from a first user to broadcast the content and determines whether the first user is authorized to broadcast the content, and publishes the availability of the broadcasting content for viewing activity. Additionally, the method receives a request from one or more second users to view the broadcasted content along with criteria associated with the ongoing content viewing activity. The method determines whether one or more second users are authorized to view the broadcasted content. Further, the method creates a list of broadcasted content based on the criteria and sends the list of the broadcasted content to the first user.

No. of Pages: 31 No. of Claims: 28

(21) Application No.2017/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: A DEVICE FOR SENSING FLUID PRESSURE

(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	GO1F NA
$\epsilon$	NA
· · ·	NA

#### (57) Abstract:

A pressure sensing device 100 capable of sensing fluid pressure to which it is exposed is disclosed the device comprising a substantially straight-cylindrical member 101 comprising a first end 103a and an opposite second end 103b. The cylindrical member 101 is provided with a circular inner hole or bore 102 of suitable dimensions such that the bore 102 has an open inlet 103c at said first end 103a of the cylindrical member 101 to receive the fluid 106 and blocked or blinded at the opposite second end 103b and bore 102 extends throughout the length of the cylindrical member 101. The bore 102 is featured in that it is offset from a longitudinal axis 101c of the cylindrical member 101 thereby defining a thin wall 101a with thickness d1 and a thick wall 101b with thickness d2, such that the relation d1 < d2 holds true, thereby defining a asymmetric tube, wherein said device works on principle of differential expansion of the asymmetric tube and the end moment induced due to asymmetry of crosssection for sensing and measuring pressure of a fluid under consideration. A method of measuring fluid pressure using the pressure sensing device is also disclosed.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONTINUOUS PHYSICAL WITHERING MACHINE

	F2 (D17/00	7127
(51) International classification	:F26B17/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Mr.Sangeet Bagaria
(32) Priority Date	:NA	Address of Applicant :B-410 Raheja Enclave Race Course
(33) Name of priority country	:NA	Road Coimbatore - 641018 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Mr.Sangeet Bagaria
(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 view of the foregoing an embodiment herein provides a continuous physical withering machine for tea withering wherein said machine includes a tapered air chamber for even circulation of hot air a trough having long narrow closed container for withering of tea leaves at least a belt conveyor placed in the trough at least a fan a radiator and a conducting duct for producing hot air at least a motor to drive the belt conveyor plurality of sloped passages plurality of perforated sheets at least a feeding system at one end of the trough and at least a discharge system placed at one end of the trough. The feeding system facilitates even spreading of tea leaves over the belt conveyor and discharge system facilitates continuous removal of dried leaves without causing any obstruction in the pathway.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: STABILIZED PHARMACEUTICAL COMPOSITIONS OF SAXAGLIPTIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MYLAN LABORATORIES LIMITED Address of Applicant: PLOT NO 564/A/22, ROAD NO 92, JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh India (72)Name of Inventor: 1)SAHOO, SATYA SANAKAR 2)JADAV, HARSHAL KUMAR 3)CHATTERJEE, HARAPRASAD 4)MEHTA, ASHIS KUMAR 5)DIXIT, AKHILESH 6)DESHMUKH, ABHIJIT
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# (57) Abstract:

The present invention relates to stable, solid pharmaceutical composition comprising saxagliptin alone or in combination with metformin hydrochloride, wherein saxagliptin is stabilized by incorporating acidic stabilizer(s) and stability enhancing carrier(s). The invention also provides a process for preparation of stable, solid oral pharmaceutical compositions.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: System and method for generating revenue by delivering multimedia content

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04L29/00 :NA	(71)Name of Applicant: 1)Mobi2Fun Mobile Entertainment Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :Mobi2Fun Mobile Entertainment Pvt.
(33) Name of priority country	:NA	Ltd. #52 First floor Prestige Hosto Chambers 1st Main Road
(86) International Application No	:NA	Sheshadripuram Bengaluru 560020 INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Vijay prakash Rangappa
(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 method of generating revenue by delivering multimedia content is provided. The method comprises receiving a request from a user for a multimedia content at a short code server of a telecommunication network provider forwarding the request to a content provider receiving the request at the content provider; sending a message comprising at least one link configured for downloading the content upon activation directly to the user etching the content upon activation and delivering the content directly on a personal telecommunication device of the user thereby bypassing the telecommunication network provider for billing.

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

(19) INDIA

(22) Date of filing of Application :23/04/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: SHOPCIRCLE

(51) International classification	:G06Q30/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MR. ANAND SAM
(32) Priority Date	:NA	Address of Applicant :C-103, CHARTERED CORONET
(33) Name of priority country	:NA	APT., 102/2, 2ND MICO LAYOUT, ARKERE GATE,
(86) International Application No	:NA	BANGALORE - 560 076 Karnataka India
Filing Date	:NA	2)MR. RAJESH VARRIER
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MR. ANAND SAM
Filing Date	:NA	2)MR. RAJESH VARRIER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.1579/CHE/2012 A

#### (57) Abstract:

The present invention pertains to a retail platform 1, which aggregates information such as product, available store, price, inventory and promotions across retailers and a consumer sub-system that enables availability of information on products, pricing and promotions to the consumer. The invention provides a methodology to create a consumer sub-system based service that the user can access at any point of time using the mobile and also create a platform for the retailers to upload their products and their inventory information. This invention is related to a retail data aggregation platform and has a standardized data structure for capturing retailer product information relating to product UPC code, prices and promotions. The retailer platform 1 based service of this invention acts as a repository for all the retailers to upload their products, offers, inventory and other details.

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

(21) Application No.183/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/01/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : RELATION BETWEEN LATENT HEAT OF VAPOURIZATION AND SPECIFIC HEAT CAPACITY BY R. VELMURUGAN

(51) International classification	:F28D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)R. VELMURUGAN
(32) Priority Date	:NA	Address of Applicant :146/5, NORTH STREET,
(33) Name of priority country	:NA	SENGAMEDU(VILL) AVINANGUDI(PO) TITTAGUDI(TK)
(86) International Application No	:NA	CUDDALORE (DT) 606 112 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R. VELMURUGAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

When saw scientific data table or dark's table, latent heat of vapourization and specific heat capacity of liquids and linear or direct proportionality between them this induce me to make formula that connect latent heat of vapourization and specific heat capacity of some chemicals .

No. of Pages: 8 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :28/05/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: VEHICLE PARKING SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06Q10/00 :NA :NA	(71)Name of Applicant: 1)ANAND VAIDYANATHAN Address of Applicant: NEW NO. 51, OLD NO. 28, MGR
(33) Name of priority country	:NA	ROAD, KALAKSHETRA COLONY, BESANT NAGAR,
(86) International Application No	:NA	CHENNAI - 600 090 Tamil Nadu 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	

(21) Application No.2118/CHE/2012 A

#### (57) Abstract:

(19) INDIA

A parking system that allocates a parking slot from a plurality of parking slots in a parking station to a first user, said parking system comprising: a parking slot indicator that displays a short code comprising a location code and a parking slot identifier that are specific to a parking slot in said parking station; a parking server comprising a database that stores a list of parking slot identifiers and a status of an each of said list of parking slot identifiers in said parking station, wherein said parking server receives a first message comprising said location code, said parking slot identifier, and a parking time duration, reserves said parking slot that is specific to said parking slot identifier to said first user, communicates a confirmation message to a first mobile communication device of said first user, wherein said confirmation message indicates a reservation of said parking slot that is specific to said parking slot identifier for parking a vehicle associated with said first user.

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

(22) Date of filing of Application :30/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CASH DISPENSING MACHINE WITH MECHANISM FOR SEPARATION OF OVERLAPPED MEDIA ITEMS

(51) I	C07D11/00	(71)NJ 6 A 19
(51) International classification	:G0/D11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)L. KANNAN
(32) Priority Date	:NA	Address of Applicant :14, PALAYAKARAN STREET,
(33) Name of priority country	:NA	EKKADUTHANGAL, CHENNAI - 600 097 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)L. KANNAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a mechanism of selectively separating and conveying leading media item when a plurality of media items is erroneously picked from a cash dispensing machine, comprising at least one media sensor to detect magnitude of offset (f) of the leading media item; at least one pick roller with at least one retarding means to singly deliver the media items from a stack; and at least one take-away roller co-operating with a pinch-roller to draw out the leading media item from the plurality of items picked to convey it along a normal path (A). The pick roller may be stopped when the leading media item is free of the pick roller and cause it to act as grip roller, to prevent further movement of the trailing media item(s). The mechanism selectively separates and conveys the leading media item when offset (f) between the leading media item and the next media item is greater than threshold (x) defined by geometry of arrangement.

No. of Pages: 17 No. of Claims: 9

(22) Date of filing of Application :26/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF VALGANCICLOVIR

(51) International along Continu	C07D 472/00	(71)NJ 6 A 19 A
(51) International classification	:C0/D4/3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :AUROBINDO PHARMA LIMITED,
(33) Name of priority country	:NA	PLOT NO.2, MAITRIVIHAR, AMEERPET, HYDERABAD -
(86) International Application No	:NA	500 038 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIJAY KUMAR HANDA
(61) Patent of Addition to Application Number	:NA	2)ANAND GOPALKRISHNA KAMAT
Filing Date	:NA	3)MEENAKSHISUNDERAM SIVAKUMARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a process for the preparation of Valganciclovir of formula (I) or pharmaceutically acceptable salt thereof, which comprises: (i) condensing monoacetyl Ganciclovir (XIII) with t-BOC-L-valine to produce acetyl t-BOC Valganciclovir of formula (XVI), (ii) hydrolyzing the compound of formula (XVI) obtained in step-(i) to produce t-BOC Valganciclovir of formula (XVII), (iii) treating the compound of formula (XVII) with an acid to produce Valganciclovir of formula (I) or pharmaceutical ly acceptable salt thereof.

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

(22) Date of filing of Application :25/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: LUMINESCENT GRAPHENE PATTERNS

(51) International algorification	·C00V11/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Indian Institute of Technology Madras
(32) Priority Date	:NA	Address of Applicant :Chennai 600036 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)THALAPPIL Pradeep
Filing Date	:NA	2)THERUVAKKATTIL SREENIVASAN Sreeprasad
(87) International Publication No	: NA	3)MUNDAMPRA MALIYEKKAL Shihabudheen
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A luminescent nanocomposite comprising functionalized graphene and a luminescent moiety its fabrication and uses are described. The luminescent moiety is anchored non-covalently to the functionalized graphene. Luminescence properties of the nanocomposite may be modulated by choosing appropriate luminescent moieties such as native lactoferrin native lactoferrin protected gold clusters and so forth. Mechanical properties of the nanocomposite may be modulated by adding a biopolymer such as Chitosan. The nanocomposite may be used as a luminescent ink for encoding information or a luminescent film for tagging articles of manufacture such as electronic waste components.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TIME OF DAY BASED EXPOSURE CONTROL FOR CAMERAS

<ul><li>(51) International classification</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>	:G03B17/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)KANNAN NATARAJAN  Address of Applicant: Mediatronix Private Limited Industrial estate Pappanamcode Trivandrum 695019 Kerala India (72)Name of Inventor:
Filing Date	:NA	1)KANNAN NATARAJAN
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention is to provide a method and system to control the exposure of cameras based on time of day. The proposed camera comprises of a RTC chip which provides information of predetermined time as desired by the user to the processor in the camera. Desired time can be suitably programmed in the set up menu. As soon as predetermined time (time of day) has reached the processor will initiate action by activating the image sensor registers.

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

(22) Date of filing of Application :20/06/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention : SMART ACTIVE ANTENNA RADIATION PATTERN OPTIMISING SYSTEM FOR MOBILE DEVICES ACHIEVED BY SENSING DEVICE PROXIMITY ENVIRONMENT WITH PROPERTY, POSITION, ORIENTATION, SIGNAL QUALITY AND OPERATING MODES

(51) International classification	:G08B13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PRASAD MUTHUKUMAR
(32) Priority Date	:NA	Address of Applicant :20/66, 2ND STREET,
(33) Name of priority country	:NA	DHARMANAGAR, SURAMANGALAM, SALEM-5, PIN - 636
(86) International Application No	:NA	005 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PRASAD MUTHUKUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The smart dynamic radiation pattern optimising system is a design and technique to actively shape & optimise the radiation pattern of mobile device controlled by smart RF/Antenna system with signal processing algorithm that works by sensing the change in device proximity environment with nature or property, range, orientation, position, location, signal quality parameters and ambient intelligence to protect the user by controlling radiation exposure, enhance RF signal quality and to save battery power. Mobile devices are handled in different proximity environment which influence the antenna performance due to electromagnetic interaction based on environments properties that leads to detuning, radiation pattern distortion, impedance mismatch etc which in turn degrades the signal quality. Also change in device orientation according to usage leads to power loss due to polarization mismatch. So when the signal quality degrades the system will sense & compute in an adaptive closed loop manner to actively optimise the radiation pattern according to scenarios. The design consist of (a) a sensor system 220 to determine the change in proximity environment [close vicinity] with sensing its property, sensing multi - direction, dimension, layer, position & range of proximity environment with respect to device, sensing device (antenna) orientation, visual sensing, infrared or thermal vision, user recognition, user head & hand hold effect, location, usage scenarios & operating modes and accordingly generate the trigger signal 230; (b) a processing unit 150 for computing the interrupt control signal 140 according to the nature of trigger signal & existing signal quality parameters; (c) Smart active radiation pattern optimiser 120 that works based on control signal; (d) Antenna system 110 capable of achieving dynamic radiation pattern coupled with radiation pattern optimiser that actively shapes and controls the radiation pattern accordingly to protect the user and also restores radiation according to scenarios to optimise communication. Other aspects of the present invention are the same sensor system 220 is utilised to develop an application that guides the user locate & position the mobile device in living space to achieve optimised performance, protect the mobile device from theft and ambient intelligence to alert & interact with the user.

No. of Pages: 49 No. of Claims: 20

(21) Application No.1044/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention : HERBAL COMPOSITIONS FOR TREATMENT OR PREVENTION OF INFLAMMATORY DISEASES

:A61K36/00	(71)Name of Applicant :
:NA	1)BINCY JOSE
:NA	Address of Applicant :ACHAMPARAMBIL
:NA	KAMAMKETTY DISTRICT: IDUKKI-685 602. Kerala India
:NA	(72)Name of Inventor:
:NA	1)BINCY JOSE
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention in a preferred embodiment provides for herbal compositions for treatment or prevention of inflammatory diseases such as mastitis. The present invention also provides for the methods of preparation and various forms of administration of the said compositions. The said compositions comprise of at least a part of Asparagus racemosus.

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

(21) Application No.2023/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: AN INDEXABLE DRILL INSERT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:B23B27/00 :NA :NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)KENNAMETAL INDIA LIMITED  Address of Applicant:8/9th Mile Tumkur Road Bangalore 560073 Karnataka India (72)Name of Inventor:  1)RAMESH KARTHIC
(61) Patent of Addition to Application Number Filed on	:2516/CHE/2011 :22/07/2011	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present disclosure provides a quadrangular indexable drill insert comprising a substantially flat top surface and bottom surface a side surface adjoining the top and bottom surfaces; four identical cutting edges formed at intersection of the side surface and the top surface each cutting edge comprising a concave curved part edge of predetermined radius at corner of the insert; a first part edge oriented towards axis of drill body and is substantially horizontal a second part edge connected to the first part edge through a transitional edge a third part edge connected to the second part edge through a transitional edge and a nose portion of adjoining the third part edge with concave curved part edge of succeeding cutting edge. The concave curved part edge the nose portion and the first part edge are occupying predetermined thickness out of total thickness of the drill insert.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEMS AND METHODS OF UPDATING READ VOLTAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:G11C16/00 :NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)SANDISK TECHNOLOGIES INC.  Address of Applicant: Two Legacy Town Center 6900 North Dallas Parkway Plano TX 75024 United States of America. (72)Name of Inventor:  1)Sateesh Desireddi  2)Jayaprakash Naradasi  3)Anand Venkitachalam
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A method includes in a data storage device that includes a non-volatile memory reading first data values from memory elements of the non-volatile memory using a set of reference voltages that includes a first reference voltage and determining a first error count associated with the first reference voltage. The method includes reading second data values from the group of memory elements using a set of modified reference voltages that includes a modified first reference voltage and determining a modified error count associated with the modified first reference voltage. The method includes updating the set of reference voltages to include the first reference voltage or the modified first reference voltage based on a comparison of the error count to the modified error count.

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

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A COMPOSITION FOR TREATING DIABETES AND DYSLIPIDEMIA OBTAINED FROM THE EXTRACT OF COSTUS PICTUS D.DON PLANT AND A METHOD OF PREPARING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61K31/00 :NA :NA	(71)Name of Applicant: 1)ANTONY Benny Address of Applicant: Arjuna Natural Extracts Ltd. P.B.
(33) Name of priority country	:NA	No.126 Bank Road Aluva - 683 101 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANTONY Benny
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention discloses a medicinal composition for treating diabetes and dyslipidemia obtained from the extract of Costus pictus D.Don having low oxalic acid containing hydroxycinnamic acid derivatives and flavonol mono-, di- and triglycosides along with small amounts of free flavonols. The said hydroxycinnamic acid derivatives consist of caffeic acid, p-coumaric acid, ferulic acid and sinapic acid and flavonol mono-, di- and triglycosides which includes quercetin, kaempferol and isorhamnetin with sugars glucose, galactose and rhamnose. Further it also provides a method of preparation of the same. The invention also discloses a method of treating mammals including human beings for medical conditions selected from diabetes; dyslipidemia and related conditions; for increasing anti oxidant potential; for the regeneration of pancreatic beta cells and increasing the insulin secretogogue effect.

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

(21) Application No.1555/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR FORMING, MAINTAINING CLUSTER OF WIRELESS DEVICES AND SELECTION OF A CLUSTER LEADER

(51) Intermetional elegation	.11043126/00	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(33) Name of priority country	:NA	Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-
(86) International Application No	:NA	560093 Meghalaya India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Anshuman Nigam
(61) Patent of Addition to Application Number	:NA	2)Mangesh Abhimanyu Ingale
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for formation and maintenance of a cluster with plurality of wireless devices in proximity to facilitate cooperative services is disclosed. By enabling co-operation among the wireless devices in the cluster, higher quality of service is possible by sharing capabilities of the devices in the cluster besides conserving on the battery power of the cluster as a whole. Co-operation also leads to higher effective spectral efficiency. The method provides mechanism for a member of an existing cluster to leave the cluster and for a new device to discover and join existing cluster. Further an efficient and reliable method is proposed for selecting the wireless device as cluster leader from the plurality of wireless devices within the cluster. The method also provides mechanism for cluster leader handover when the existing cluster leader wants to leave the cluster or the cluster leader wants to resign the cluster.

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

(22) Date of filing of Application :15/05/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: DESIGN AND DEPLOYMENT OF MOBILE ENTERPRISE APPLICATION PLATFORM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F17/00 :NA :NA	(71)Name of Applicant:  1)Pravaa Infosystems Private Limited Address of Applicant: 2nd Floor No. 47 11th Cross 2nd
(33) Name of priority country	:NA	Block Jayanagar Bangalore 560011 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Diwakar Kaiwar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The Invention herein relate to a method and system for design and deployment of cross platform native mobile enterprise applications. Multiple versions of the same application need not be installed repeatedly instead the existing version can be updated. Mobile Applications User Interface and Business Logic are recognized by a smart mobile client (specific for each operating system), which allows changes to User interface and business logic to be pushed from the application management server to the client without need for re-installation. Information between Mobile Server and smart client is exchanged using a proprietary message structure, which has been developed to build complex mobile application. A smart interpreter interprets and parses the application while also rendering it at run time. The smart mobile client has pre-built ability to use native mobile device features and support for offline storage and synchronization with the mobile server.

No. of Pages: 34 No. of Claims: 11

(12) TATENT ATTLICATION TOBLICATION

(22) Date of filing of Application :18/05/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: A DEVICE FOR SENSING FLUID PRESSURE

(51) International classification	·G01F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Amrita Vishwa Vidyapeetham
(32) Priority Date	:NA	Address of Applicant : Amritapuri Campus Kollam Kerala
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Ganesha Udupa
(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	

(21) Application No.2000/CHE/2012 A

#### (57) Abstract:

(19) INDIA

A pressure sensing device 100 capable of sensing fluid pressure to which it is exposed is disclosed the device comprising a substantially straight-cylindrical member 101 comprising a first end 103a and an opposite second end 103b. The cylindrical member 101 is provided with a circular inner hole or bore 102 of suitable dimensions such that the bore 102 has an open inlet 103c at said first end 103a of the cylindrical member 101 to receive the fluid 106 and blocked or blinded at the opposite second end 103b and bore 102 extends throughout the length of the cylindrical member 101. The bore 102 is featured in that it is offset from a longitudinal axis 101c of the cylindrical member 101 thereby defining a thin wall 101a with thickness d1 and a thick wall 101b with thickness d2, such that the relation d1 < d2 holds true, thereby defining a asymmetric tube, wherein said device works on principle of differential expansion of the asymmetric tube and the end moment induced due to asymmetry of crosssection for sensing and measuring pressure of a fluid under consideration. A method of measuring fluid pressure using the pressure sensing device is also disclosed.

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

(19) INDIA

(22) Date of filing of Application :23/07/2012

(21) Application No.2998/CHE/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: NORMAL TYPE COMBINE

(51) International classification (31) Priority Document No	:A01D :2011- 163487	(71)Name of Applicant: 1)KUBOTA CORPORATION Address of Applicant: 2-47, SHIKITSUHIGASHI 1-CHOME,
(32) Priority Date	:26/07/2011	NANIWA-KU, OSAKA-SHI, OSAKA 556-8601 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YUICHI BUNNO
Filing Date	:NA	2)SHINJI KOTANI
(87) International Publication No	: NA	3)NAOKI YAMASHITA
(61) Patent of Addition to Application Number	:NA	4)TAKAFUMI MORIWAKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a normal type combine that allows simplification of a supporting arrangement for supporting a reaping/conveying device to be liftable by a hydraulic cylinder. To a front portion of a combine machine body (A), there is connected a harvesting/conveying device (B) driven to be lifted up/down by a hydraulic cylinder (CY). The reaping/conveying device (B) includes a reaping processing section (8) for reaping culms of crops by a predetermined reaping width and gathering the reaped crops to an intermediate portion relative to the machine body transverse width direction by transverse feeding and an angular tubular feeder (9) for rearwardly conveying the crops gathered in the reaping processing section (8) toward a threshing device (5). A riding/driving section (3) is mounted on a front portion of the combine machine body (A) and located on the right side of the machine body. The reaping/conveying section (8) is disposed forwardly of the riding/driving section (3) and the feeder (9) is disposed on the left side of the machine body relative to the riding/driving section (3). The hydraulic cylinder (CY) is connected to a corner portion (K) formed of a vertical wall portion (10a) disposed on the machine body right side and a bottom face portion (10b).

No. of Pages: 65 No. of Claims: 7

(22) Date of filing of Application :31/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PARKING BRAKE FOR A TWO WHEELER

(51) International classification :B607 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)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)KRISHAN KUMAR RAJPUT  2)ARUMUGAM AGATHIYAN  3)P. SURESH KRISHNA  4)BHUSAM SYAMALA RAO  5)JOGHEE THIRUMAL  6)GOVINDARAJAN VENKATESH
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## (57) Abstract:

The present subject matter discloses a thumb operated parking brake system for a two wheeled vehicle which is minimally dependent on the brake shoe condition. It comprises of a parking brake lever working with a brake lever with the help of slots provided in the brake lever. The parking brake system is reliable, efficient and retrofittable with a few minor modifications.

No. of Pages: 24 No. of Claims: 7

(21) Application No.2316/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :11/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR NEGOTIATING CAPABILITIES IN A WIRELESS COMMUNICATION NETWORK ENVIRONMENT

(51) International classification	:H04L29/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)VEDULA Kiran Bharadwaj
Filing Date	:NA	2)JEEDIGUNTA Venkateswar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method and system for negotiating capabilities in a wireless communication network. In one embodiment, a method includes generating an action frame including one or more information elements, where the one or more information elements include capability information for multiple frequency bands. The method further includes transmitting the action frame including the one or more information elements to wireless communication devices in a wireless communication network.

No. of Pages: 27 No. of Claims: 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

26/07/2011 (43) Publication Date: 07/03/2014

(21) Application No.2549/CHE/2011 A

(22) Date of filing of Application :26/07/2011

## (54) Title of the invention: A DRIVE ANALYZER

(51) International classification	:H02H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NANDAKUMAR M.B.
(32) Priority Date	:NA	Address of Applicant :#50, KATHYAYINI NILAYA,
(33) Name of priority country	:NA	OBBAYA LANE, AKKIPET 2ND CROSS, BANGALORE - 560
(86) International Application No	:NA	053 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NANDAKUMAR M.B.
(61) Patent of Addition to Application Number	:NA	2)ASHISH SINGH
Filing Date	:NA	3)ALOK KUMAR
(62) Divisional to Application Number	:NA	4)DEEPAK KUMAR
Filing Date	:NA	

#### (57) Abstract:

In one or more embodiment, a drive analyzer includes multiple sensors connected to a microcontroller to detect all parameters pertinent to a motion, and stability of a vehicle including a linear and an angular acceleration in all three axes and the load on the axles, and to relay parameter related data to microcontroller where it is referenced against predetermine values and in the event that it surpasses this threshold, the difference along with the time is recorded in a memory unit, the microcontroller references the parameter values as obtained from sensors against predefined thresholds obtained by trials which conform to nominal comfort levels, the referenced values are then converted to standard SI units, and memory unit to store data including the parameter along which the fault occurs, the fault magnitude when the sensor output exceeds the reference for that particular parameter and the time the fault occurs.

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

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STABLE PHARMACEUTICAL COMPOSITION OF FLUINDIONE

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ISSA, CHAYAPATHY
(61) Patent of Addition to Application Number	:NA	2)MURTHY, CHETAN RAJASEKHARA
Filing Date	:NA	3)CHAKRABORTY, SANTANU
(62) Divisional to Application Number	:NA	4)DESHMUKH, ABHIJIT MUKUND
Filing Date	:NA	5)BHUSHAN, INDU

#### (57) Abstract:

The invention relates to stable pharmaceutical composition comprising fluindione or its pharmaceutically acceptable salts, ascorbic acid and optionally one or more pharmaceutically acceptable excipient(s). More specifically, the invention relates to stable pharmaceutical composition in tablet form and its process for preparation, comprising fluindione or its pharmaceutically acceptable salts and optionally one or more pharmaceutically acceptable excipient(s), wherein the tablet essentially comprises ascorbic acid as an antioxidant.

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

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN IMPROVED PROCESS FOR PREPARING RALTEGRAVIR

(51) International classification	:C07D413/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DANDALA, RAMESH
(61) Patent of Addition to Application Number	:NA	2)VELLENKI, SIVARAM PRASAD
Filing Date	:NA	3)BALUSU, RAJA BABU
(62) Divisional to Application Number	:NA	4)JAVVAJI, RAJESWARA RAO
Filing Date	:NA	5)RAVI, MASTAN RAO

#### (57) Abstract:

The present invention relates to an improved process for preparing Raltegravir comprising hydrogenolysing benzyl protected compound of formula II in presence of hydrogen source and suitable solvent to give formula III, which is further converted into Raltegravir potassium salt. It also provides a process for preparing Raltegravir potassium salt with free of novel impurities of formula Impurity I, Impurity II and Impurity III.

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

(22) Date of filing of Application :28/05/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR ENHANCING USER EXPERIENCE DURING AN ONGOING CONTENT VIEWING ACTIVITY

(51) I	G06E17/00	(71)N
(51) International classification	:G06F17/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(33) Name of priority country	:NA	Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-
(86) International Application No	:NA	560093 Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Basavaraj Jayawant Pattan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The method and system of the invention enables the social experience users for bookmarking and annotating the content while watching the show or event which can be made public or kept private. The method enables social experience users to retrieve the bookmarked content at a later point in time which could be filtered based on keywords.

No. of Pages: 23 No. of Claims: 14

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : HIGH SPEED CALCULATION OF MAGNETIC FORCE AND COLLISION DETECTION BETWEEN COIN CLUSTERS IN MAGNETIC CAROM

(51) I	0.75	
(51) International classification	:G07F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SARANYA H V
(32) Priority Date	:NA	Address of Applicant :HEMASARI JPN 102, THYCAUD
(33) Name of priority country	:NA	P.O., TRIVANDRUM - 695 014 Kerala India
(86) International Application No	:NA	2)DR. GORUR NARAYANA SRINIVASA PRASANNA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SARANYA H V
(61) Patent of Addition to Application Number	:NA	2)DR. GORUR NARAYANA SRINIVASA PRASANNA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention describes a system and method of high speed calculation of magnetic forces and collision detection between coin clusters in the graphical simulation of magnetic carom game, which has facilities of high speed calculation of magnetic forces, collision and dynamics in between the coins and coin clusters. Therefore, our invention is an interactive game simulation, which solves the problem of collision detection involving aggregates in an efficient manner.

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

(22) Date of filing of Application :21/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: POLYTOPE AND CONVEX BODY DATABASE

(51) International classification	:G06F17/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NEHA BHATIA
(32) Priority Date	:NA	Address of Applicant :HOUSE NO.48, SECTOR 4,
(33) Name of priority country	:NA	GURGAON - 122 001 Haryana India
(86) International Application No	:NA	2)SHRIGURU NAYAK
Filing Date	:NA	3)DR. GORUR NARAYANA SRINIVASA PRASANNA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)NEHA BHATIA
Filing Date	:NA	2)SHRIGURU NAYAK
(62) Divisional to Application Number	:NA	3)DR. GORUR NARAYANA SRINIVASA PRASANNA
Filing Date	:NA	

#### (57) Abstract:

Extending the work in 2D/3D graphical databases, the present invention discuss constraints in high dimensional spaces, its efficient storage; relational algebra. The relational algebra includes queries like finding polytopes disjoint or intersecting with the given polytope; or finding a subset or superset of the polytope. This invention also presents methods to generate new information equivalent constraints set from existing constraints sets, presents new kinds of joins and a rich relational algebra of the constraints. Different methods such as distortion, rotation and shape scaling transformations are employed to obtain the information equivalent different sets of constraints. Also, this invention discusses queries to obtain the information equivalent constraints set of the given constraints set along with a new query language, when the data is in memory.

No. of Pages: 83 No. of Claims: 13

(22) Date of filing of Application :19/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SYSTEM AND METHOD FOR ENABLING CONTROL OF PTZ CAMERAS

(51) International classification :H04N5/06 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant: 1)SAANKHYA LABS PVT LTD Address of Applicant:2353/1-4 Dolphin 3rd Floor Hennur Main Road Kacharakanahalli Bangalore - 560043 Karnataka INDIA (72)Name of Inventor: 1)Parag Naik 2)Vishwakumara Kayargadde 3)Vivek Kimbahune 4)Abdul Aziz Abdul Gafoor 5)Subramanian Harish Krishnan 6)Sunil Hosur Ramesh
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#### (57) Abstract:

A system for controlling at least one camera by enabling a forward channel and a reverse channel is provided. The system includes (i) one or more cameras, (ii) a CMRS that obtains audio information, and video information from the cameras via a coaxial cable or over air. A camera control unit multiplexes PTZ information associated with the one or more cameras and generates a data packet. A modulator modulates the data packet to obtain a modulated data packet which is up converted to a desired RF frequency. A tuner receives the desired RF frequency through the coaxial cable or air, and down converts the RF frequency to obtain the modulated data packet. A demodulator demodulates the modulated data packet to obtain the data packet. A processor de-multiplexes the data packet to obtain the PTZ information that includes a command for at least one of panning, tilting, and zooming a camera.

No. of Pages: 34 No. of Claims: 8

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: GLOBAL SOLAR ENERGY TRANSPORTATION NETWORK

(51) International classification	·H01L31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INSOLARE ENERGY PVT LTD
(32) Priority Date	:NA	Address of Applicant :5 ASK TOWERS, AECS LAYOUT,
(33) Name of priority country	:NA	BANGALORE 560 037 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. SUNIT TYAGI
(87) International Publication No	: NA	2)DR. HEMANSHU BHATT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A solar energy transportation system for transporting solar energy is described. The solar energy transportation system comprises one or more solar energy collectors configured to collect solar energy and are configured to be enabled in the presence of solar energy. The system further includes one or more solar energy converters configured to receive the collected solar energy from the one or more solar energy collectors and configured to be enabled in the presence of minimal solar energy. The solar energy collectors and solar energy converters are distributed across a plurality of time zones thereby forming a global network. The system further includes one or more guiding devices configured to couple the solar energy collectors to the solar energy converters.

No. of Pages: 17 No. of Claims: 15

(21) Application No.1201/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR STREAMING OF A MEDIA FILE IN A DISTRIBUTED MEDIA STREAMING ENVIRONMENT

(51) International classification	:H04L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)QUIKAST TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :#49 13th Main HAL 3rd Stage
(33) Name of priority country	:NA	Kodihalli BANGALORE 560008 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DAS Soumya
(87) International Publication No	: NA	2)BISWAS Saptarshi
(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 and system for streaming of a media file in a distributed media streaming environment. User A wants to watch a video stored with the user B's device. The same video happens to be stored in user Cs device and user D's device which are also connected to the user A's device via the Internet. In such a case, the video is streamed to the user A's device from the user B's, user Cs and user D's devices so that the load on user B's device is substantially reduced and the bandwidth is utilized in an efficient manner as the video gets delivered to the intended user from multiple devices.

No. of Pages: 26 No. of Claims: 22

(22) Date of filing of Application :22/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ACCELERATOR POSITION SENSOR MOUNTING STRUCTURE FOR MOTOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02D11/00 :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29
(33) Name of priority country (86) International Application No	:NA :NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
Filing Date	:NA :NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RAMADOSS SAMBATHKUMAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)CHITHAMBARAM SUBRAMONIAM
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A throttle assembly for handle bar driven motor vehicles, adapted to mount an accelerator position sensor directly on the accelerator wire, wherein the accelerator position sensor senses the movement of the accelerator grip to control the intake of air fuel mixture for an engine. The accelerator position sensor is coupled with the accelerator wire and is equipped with mechanical interface, which receives the accelerator wire inside an accelerator position sensor casing. The accelerator position sensor casing is provided with a slider which moves corresponding to the accelerator wire to generate varying ignition timing. The accelerator position sensor casing grips and seals the accelerator wire at the upper end through a rubber seal, thereby mounting the accelerator position sensor directly on the accelerator wire and eliminating the need of additional wire to mount the accelerator position sensor.

No. of Pages: 18 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2545/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: RILPIVIRINE COMPOSITIONS

(51) International classification	:A61K31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GAHOI, SACHIN
(61) Patent of Addition to Application Number	:NA	2)KARAMKAR, PRASHANT
Filing Date	:NA	3)RAJASEKHAR, CHETAN
(62) Divisional to Application Number	:NA	4)CHAKRABORTY, SANTANU
Filing Date	:NA	5)DESHMUKH, ABHIJIT

#### (57) Abstract:

The invention relates to solid oral pharmaceutical compositions and its process for preparation, comprising rilpivirine and one or more pharmaceutically acceptable excipient(s), wherein the pharmaceutical composition is free of a wetting agent(s). More specifically, the invention relates to solid oral tablet and its process for preparation, comprising rilpivirine and one or more pharmaceutically acceptable excipient(s), wherein the tablet is free of a wetting agent(s).

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

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR DETERMINATION OF GEOMETRIC FEATURES IN OBJECTS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country		NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GANESAN, BASKARAN
(87) International Publication No	: NA	2)JEYARAMAN, SATHEESH
(61) Patent of Addition to Application Number	:NA	3)MAURER, ALBRECHT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for determination of geometric features in an object is provided. The method includes receiving at least one geometric feature response to an ultrasound beam incident on the object. The incident ultrasound beam is produced from one of a plurality of ultrasound transducers. Further, a volumetric representation of the object is generated based on a plurality of object parameters. The volumetric representation of the object and a plurality of transducer parameters are used to generate a predicted beam traversal path in the object. The predicted beam traversal path is utilized to generate a temporal map of predicted time of flight geometric feature response to the ultrasound beam. A position on the volumetric representation of the object is determined as the location of the geometric feature, when the received geometric feature response is equivalent to the predicted time of flight geometric feature response corresponding to the position.

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

(22) Date of filing of Application :03/04/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: REVERSE GEAR SHIFT MECHANISM FOR A THREE-WHEELED VEHICLE

(51) International classification	·F16H61/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BALAGURUSAMY GANESH
(61) Patent of Addition to Application Number	:NA	2)KUPPUSAMY LOGANATHAN
Filing Date	:NA	3)SIVARAMAN GOPALAKRISHNAN
(62) Divisional to Application Number	:NA	4)VENUGOPALAN PATTABIRAMAN
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an improved reverse gear shift mechanism for a three wheeled vehicle. The invention provides an arrangement which prevents unintentional actuation of reverse gear shift mechanism during forward motion of the vehicle. A reverse stopper arm 114 extending between a cluster gear shaft 101 and a drive shaft 106 prevents reverse gear operation when the vehicle is moving forward. The mechanism as per present invention further includes a gear shift sector 109, a reverse shifting cam 110, a follower assembly 111, a reversing lever 112, a slider dog gear 113, a reverse drive gear 115 and a reverse idler gear 116.

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

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: HERBAL COMPOSITIONS FOR REPELLING INSECTS

(51) International classification	:A61K36/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PONNUSAMY
(32) Priority Date	:NA	Address of Applicant :ODAIPATTI TALUKA
(33) Name of priority country	:NA	OTTANCHATIRAM DISTRICT - DINDIGUL TAMIL NADU
(86) International Application No	:NA	PIN 624612 Tamil Nadu India
Filing Date	:NA	2)SAHA Mrimoy
(87) International Publication No	: NA	3)Renu Ara Begam
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PONNUSAMY
(62) Divisional to Application Number	:NA	2)SAHA Mrimoy
Filing Date	:NA	3)Renu Ara Begam

#### (57) Abstract:

The present invention in a preferred embodiment provides for herbal compositions used for repelling insects. The present invention also provides for the methods of preparation and various forms of applications of the said compositions. The said compositions comprises of at least two or more plant extracts in the form of cream, gel, ointment, oil or powder or mixtures thereof, said plant extracts being selected from a group consisting of Nagod (Vitex negundo), Camphora (Cinnamomum camphora), Bavchi (Psoralea corylifolia) or any combination thereof.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN IMPROVED WHEEL DISC ARRANGEMENT FOR A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA	(71)Name of Applicant:  1)SURESH VARADARAJ  Address of Applicant: No. 09 11th Cross 3rd Main  Prashanthnagar Banalore 560079 Karnataka INDIA  (72)Name of Inventor:  1)SURESH VARADARAJ
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#### (57) Abstract:

This invention generally relates to wheel rims of automobiles and more particularly to wheel rims which is covered with a disc where the disc remains stationary. In one embodiment the arrangement includes one or more air valve extender attached to the vehicle wheel rim a hub arm including one or more stud hole and a bearing hub wherein the stud hole is capable of receiving the extender and a wheel cover disc having a periphery wherein the periphery including a plurality of perforation equidistance apart where the bearing hub of the hub arm is removable arranged in an axial direction to the interior face of the wheel cover disc such that the wheel disc cover maintains the upright position regardless of the rotation of the wheel of the vehicle.

No. of Pages: 16 No. of Claims: 11

(22) Date of filing of Application :26/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR IMPROVING TIGHTENING TORQUE IN METAL PLATES

(51) International classification	:B21D	(71)Name of Applicant:
(31) Priority Document No	:UI	1)PANASONIC APPLIANCES AIR-CONDITIONING
(31) Thomas Document No	2011003523	R&D MALAYSIA SDN. BHD.
(32) Priority Date	:28/07/2011	Address of Applicant :LOT 2, PERSIARAN TENGKU
(33) Name of priority country	:Malaysia	AMPUAN, SECTION 21, SHAH ALAM INDUSTRIAL SITE,
(86) International Application No	:NA	40300 SHAH ALAM, SELANGOR DARUL EHSAN Malaysia
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DOI, YASUYUKI
(61) Patent of Addition to Application Number	:NA	2)HING, FONG KEAT
Filing Date	:NA	3)GUAN, NG KIM
(62) Divisional to Application Number	:NA	4)ABDULLAH, MOHAMAD ZULKIFLY
Filing Date	:NA	5)AUN, WONG YEET

#### (57) Abstract:

A method for securing a screw to a metal plate by applying hemming and burring process to improve tightening torque while saving cost, overall lightness and improved appearance of metal plate.

No. of Pages: 10 No. of Claims: 1

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : WIRELESS AND VISION-BASED DATA ACQUISITION FOR REMOTE PATIENT MONITORING SYSTEM

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SWAROOP S. SINGH
(32) Priority Date	:NA	Address of Applicant :NO. 12, 3TH STREET, PARK
(33) Name of priority country	:NA	AVENUE, VELACHERRY, CHENNAI - 600 042 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	2)C. KIRUBAKARAN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SWAROOP S. SINGH
Filing Date	:NA	2)C. KIRUBAKARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a mobile remote Cloud-based patient vital data monitoring system capable of wirelessly acquiring, transmitting, monitoring, alerting, analyzing, updating, storing patient data providing patient feedback and to consult physician through audio and video communications. The system comprising of patient data recorder; patient monitoring device; personalized patient Cloud storage; monitoring stations; and patient monitoring webpage. The patient monitoring device acquires recorded data visually or wirelessly from the patient data recorder and transmits to the personalized patients secure on-line Cloud for storage, review and analysis. The data acquired is verified prior to sending it to the Cloud for updating patient records and if abnormal generates alert. The monitoring stations verify data integrity and perform analysis when needed and the analyzed updated data can be viewed through the patient monitoring webpage.

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

(22) Date of filing of Application :08/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: WIND - SOLAR SEAWATER CONCENTRATION PROCESS AND SYSTEM

(51) International classification	:F24J :NA	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:NA	1)SUBRAHMANYAM KUMAR Address of Applicant :NO.: 1, SECOND STREET,
(33) Name of priority country		PADMANABHA NAGAR, ADYAR, CHENNAI - 600 020 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUBRAHMANYAM KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a process and system of concentrating seawater in a salt pan using wind and solar energy. The process comprising raising the height of the sea water to a predetermined height; sliding/gliding the concentrated sea water (CSW) and /or fresh sea water (FSW) over a black body surface(BLBD) to provide evaporation using the absorbed radiation of solar energy; spraying the concentrated sea water (CSW) and /or fresh sea water (FSW) through a cloth material to provide evaporation using the difference in relative humidity of the ambient air (AMBA); recycling the concentrated sea water and repeating the said process.

No. of Pages: 16 No. of Claims: 17

(21) Application No.1847/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : INTEGRATED UNIT FOR MOTOR INTEGRATED HYBRID TRANSMISSION CONTROL AND ENGINE 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</li></ul>	:NA :NA	(71)Name of Applicant: 1)M/S TVS MOTOR COMPANY LIMITED Address of Applicant: NO. 29, HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)MR. SAMRAJ JABEZ DHINAGAR 2)MR. HIMADRI BHUSHAN DAS
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention proposes a system of electrically controlled integrated unit consisting of a single gear reduction system 21 with an electric rotating machine with double rotor configuration 22 instead of the multiple gear system 14 of the existing system. This control system includes an IC engine 11 control, clutch system 13 control and electric rotating machine with double rotor configuration 22 control systems. The electric rotating machine with double rotor configuration 22 works in all four quadrant modes not limiting the functionality of the proposed system. Therefore, the effect of the absence of the multiple gear system 14 is compensated by the power output of the electric motor and the drivability of the proposed system becomes equivalent to that of a geared vehicle.

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

(21) Application No.2011/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: Synthesis and Characterization of Potential Impurities of Aliskiren and Its Intermediates

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Reddy™s Laboratories Limited
(32) Priority Date	:NA	Address of Applicant :Dr. Reddy <sup>TM</sup> s Laboratories Limited 8-
(33) Name of priority country	:NA	2-337 Road No. 3 Banjara Hills Hyderabad 500034 Andhra
(86) International Application No	:NA	Pradesh INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Gangula Srinivas
(61) Patent of Addition to Application Number	:NA	2)Neelam Uday Kumar
Filing Date	:NA	3)Doniparthi Kiran Kumar
(62) Divisional to Application Number	:NA	4)Anumala Rupa
Filing Date	:NA	5)Sekhar Munaswamy Nariyam

#### (57) Abstract:

The present application relates to a process for the preparation of aliskiren and its pharmaceutically acceptable salts. In particular the present invention relates to a process for the preparation of potential impurities and metabolites of Aliskiren

No. of Pages: 25 No. of Claims: 2

(21) Application No.2075/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :24/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STABLE PHARMACEUTICAL COMPOSITION OF ARIPIPRAZOLE

(51) International classification	:A61K9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MEDREICH LIMITED
(32) Priority Date	:NA	Address of Applicant :MEDREICH HOUSE, NO.12/8,
(33) Name of priority country	:NA	SARASWATI AMMAL STREET, M.S. NAGAR, BANGALORE
(86) International Application No	:NA	560 033 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BOTHRA CHANDANMAL PUKHRAJ
(61) Patent of Addition to Application Number	:NA	2)DR. KANDARAPU RAGHUPATHI
Filing Date	:NA	3)SRINIVASAN R
(62) Divisional to Application Number	:NA	4)SAMBASIVA RAO MARAM
Filing Date	:NA	

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

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

The present invention provides stable pharmaceutical composition of Aripiprazole.

(22) Date of filing of Application :27/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: FOOT REST ASSEMBLY FOR A MOTORCYCLE

(51) International classification	:B62J25/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HARI GANESH SAKINALA
(61) Patent of Addition to Application Number	:NA	2)VINAY RAVI
Filing Date	:NA	3)PADAVALA PRASAD
(62) Divisional to Application Number	:NA	4)VAMSI KRISHNA BALLA
Filing Date	:NA	5)KANNAN MARUDACHALAM

#### (57) Abstract:

Present description a foot rest assembly for a motorcycle having a primary structure consisting of foot support unit fixed on outer side of a holding cavity. This holding cavity has primary multiple mounting blocks fixed on its outer periphery and inner side. Mentioned mounting blocks are configured to hold a support plate through fastening units which is called as the secondary structure hereon. The holding cavity is securing the support plate such that surface area of the support plate extends from a less dynamic response location to the highest dynamic response location. This arrangement results in shift of resonances of the holding cavity and reduces the amplitude of the forced response at free end. Mentioned arrangement of the foot rest assembly ensures less vibration at the free end or the foot support unit as the support plate is fixed with the holding cavity.

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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : IMPROVED AND DEVELOPED EQUIPMENT FOR MEASURING AND MONITORING LAPTOP BATTERY LEVEL WITHOUT SWITCH ON THE LAPTOP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)K. GANESH  Address of Applicant: 409, VISALACHI NAGAR,  CORONATION COLONY, SIVAKASI - 626 123 Tamil Nadu India  (72)Name of Inventor:  1)K. GANESH
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	(72)Name of Inventor: 1)K. GANESH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention improves measuring &monitoring the battery level of laptops and at the same time it improves the checking & monitoring memory space of pendrives without switch on the laptops. This invention creates and develops the pen drive to show or display the memory space and battery level of laptops. Pendrives are equipped and programmed by any computer programming languages with display unit to display or show the battery level of laptops and memory space of pendrives without switch on the laptops. Display unit has suitable types of light pulps to give good illumination to see better view. According to full memory of pendrives, it will show the memory space in the form of letters with percentage icon or circle wheel icon or ordinary level indicators icon or any other methods of icon. This invention can be used also for measuring & monitoring the battery level of laptops without switch on the laptops. Otherwise, this invention can be used for both measuring & monitoring the battery level and memory space at same time in same device without switch on the laptops. If users plug this pendrives into power socket of laptop, after switch off the laptops, this pendrives will show or display the battery level of laptops and memory space of pendrives. Design of pendrives can be done for any shape and sizes. This invention creates good working environment with good time savings for human beings (users) by reducing mind stress of human (users) and. more unwanted timings. This benefit can be achieved with low cost of amount easily.

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

(21) Application No.2040/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : LOW PRESSURE MODULE AND DIFFUSER FOR EFFICIENT USE IN AIR COOLED CONDENSER APPLICATIONS

(74) 7	F2 4F4 2 /00	
(51) International classification	:F24F13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Triveni Turbine Limited
(32) Priority Date	:NA	Address of Applicant :12A Peenya Industrial Area Bangalore
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Chegunti Suresh
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:1410/CHE/2010	
Filed on	:20/05/2010	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Low pressure module and diffuser for efficient use in Air cooled condenser applications as shown in figure 6 is disclosed wherein the inefficiency of the low pressure module and diffuser at minimum flow conditions is solved by applying a flow trim operation and reducing the exit annulus area of low pressure module from 2.0 m2 to 1.6 m2. As a result recirculation is eliminated in last stage of low pressure module and the magnitude of recirculation is reduced in the diffuser.

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

(21) Application No.2041/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A FIXTURE CONFIGURATION FOR HOLDING T-ROOT BLANK AND CLOSING BLADE BLANK SIMULTANEOUSLY DURING MACHINING OPERATION

(51) International classification	:B23Q3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Triveni Turbine Limited
(32) Priority Date	:NA	Address of Applicant :12A Peenya Industrial Area Bangalore
(33) Name of priority country	:NA	Haryana India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ravi.K
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fixture configuration for holding T-root blank and closing blade blank simultaneously during machining operation as shown in Figure 8 is disclosed wherein the problem of changing fixtures and setting up of work piece for machining of closing blade is removed by providing a fixture encompassing T-root groove and closing blade blank root groove. As a result a fixture configuration without changing of fixtures and zero work piece setup time for machining of closing blade is achieved.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :28/05/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: AN INDEXABLE DRILL INSERT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B23B27/00 :NA :NA	(71)Name of Applicant:  1)KENNAMETAL INDIA LIMITED  Address of Applicant: 8/9th Mile Tumkur Road Bangalore
(33) Name of priority country (86) International Application No	:NA :NA	560073 Karnataka India (72)Name of Inventor:
Filing Date	:NA	1)RAMESH KARTHIC
(87) International Publication No (61) Patent of Addition to Application Number	: NA :2515/CHE/2011	
Filed on	:22/07/2011	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to a quadrangular indexable drill insert. The drill insert comprises a substantially flat top surface a bottom surface and a side surface adjoining the top and bottom surfaces. The side surface comprises four identical cutting edges intersecting the top surface; each cutting edge comprises a first part edge oriented inwardly towards axis of the drill body. A second part edge tangential to an imaginary inscribed circle diameter connected to the first part edge through a convex curve. A third part edge connected to the second part edge through concave curve and a fourth part edge connected to the third part edge though a convex curve. The insert further comprises a curved nose portion at four corners adjoining first part edge of one cutting edge with fourth part edge of succeeding cutting edge.

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

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SUBSTITUTED PYRAZOLE COMPOUNDS AND PROCESS THEREOF

(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	C07D NA	(71)Name of Applicant:  1)RALLIS INDIA LIMITED  Address of Applicant: II FLOOR, III BLOCK, KSCMF LTD.  BUILDING 8, CUNNINGHAM ROAD, BANGALORE - 560 052 Karnataka India (72)Name of Inventor:  1)PALIMKAR, SANJAY SAMBHAJIRAO 2)PAWAR, JIVAN DHANRAJ 3)SANKAR, B 4)BOSE, PROSENJIT 5)KADAM, SUBHASH RAJARAM 6)HINDUPUR, RAMA MOHAN 7)PRABHU, VENKATESH M. 8)PATI, HARI NARAYAN 9)SUPHALA, VADIRAJ GOPINATH 10)MANE, AVINASH SHESHRAO
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#### (57) Abstract:

The present disclosure provides a compound of formula I, its derivatives, salts, stereoisomers, or regio-isomers thereof, useful as intermediates in preparation of sulfonamide or sulfonyl urea growth regulators or herbicides. The present disclosure further provides process for preparing compound of formula I, its derivatives, salts, stereo-isomers, or regio-isomers thereof.

No. of Pages: 222 No. of Claims: 26

(22) Date of filing of Application :09/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR MAKING COLD-PILGER-ROLLED TUBES

(51) International classification	:B21B21/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011	1)SMS MEER GMBH
(31) Thomas Bocament 110	110 939.4	Address of Applicant :OHLERKIRCHWEG 66, 41069
(32) Priority Date	:17/08/2011	MONCHENGLADBACH Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)HAVERKAMP, MARK
Filing Date	:NA	2)SAUERLAND, MARTIN
(87) International Publication No	: NA	3)BAENSCH, MICHAEL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		-

#### (57) Abstract:

An apparatus for making a cold-pilger-rolled tube has two grooved pilger rolls rotatable about respective axes to wrap a workpiece moving in a travel direction around a mandrel extending in the direction between a nip formed between the rolls and anchored upstream of the nip in a thrust block. Workpiece thickness is adjusted on the fly by measuring a wall thickness of the workpiece downstream in the direction from the roll as the workpiece passes through the nip and for displacing the thrust block and mandrel in or transverse to the travel direction as the workpiece passes through the nip in accordance with the measured wall thickness.

No. of Pages: 17 No. of Claims: 15

(22) Date of filing of Application :20/04/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD OF PREPARATION OF UREASE AND GOLD QUANTUM CLUSTER MEDIATED NANOBIOSENSOR FOR THE DETECTION OF BLOOD UREA AND THE PROCESS INVOLVED

(51) International classification	:B82Y30/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M/S SREE CHITRA TIRUNAL INSTITUTE FOR
(32) Priority Date	:NA	MEDICAL SCIENCES AND TECHNOLOGY,
(33) Name of priority country	:NA	BIOMEDICAL TECHNOLOGY WING
(86) International Application No	:NA	Address of Applicant :POOJAPPURA,
Filing Date	:NA	THIRUVANANTHAPURAM - 695 012 Kerala India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)R.S. JAYASREEE
Filing Date	:NA	2)A. AJAYAGHOSH
(62) Divisional to Application Number	:NA	3)LAKSHMI V. NAIR
Filing Date	:NA	

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

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

This invention relates to a gold quantum cluster comprising gold nanoparticle etched with reduced glutathione.

(21) Application No.1710/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : FIXED DOSE COMBINATION COMPRISING NSAID AND STEROIDAL ANTI-INFLAMATORY AGENT FOR TREATING POST OPERATIVE OCULAR INFLAMMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61K31/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Micro Labs Limited    Address of Applicant:No. 27 Race Course Road Bangalore- 560 001 Madhya Pradesh India (72)Name of Inventor:  1)DHANURE Shivanand
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	2)KSHIRSAGAR Rajesh
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to use of fixed dose combination comprising Ketorolac or its pharmaceutically acceptable salts thereof and Difluprednate for the treatment of post operative ocular inflammation. The present invention further relates to a pharmaceutical composition comprising fixed dose combination comprising Ketorolac or its pharmaceutically acceptable salts thereof and Difluprednate for the treatment of post operative ocular inflammation.

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

(22) Date of filing of Application :28/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: A COMPUTER IMPLEMENTED SYSTEM FOR CONCEALING CONFIDENTIAL 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>	:G06F21/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MANGIPUDI SRI VENKAT BHASKAR KRISHNA Address of Applicant:FLAT NR-205, BLOCK-8, MANASAROVAR HEIGHTS-II, TRIMULGERRI, SECUNDERABAD Andhra Pradesh India (72)Name of Inventor:  1)MANGIPUDI SRI VENKAT BHASKAR KRISHNA
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)MANGIPUDI SRI VENKAT BHASKAR KRISHNA

#### (57) Abstract:

A computer implemented system and method for concealing confidential information by combining the confidential information with random text using a secret key have been disclosed. The system includes a secret key generator located at senders end and configured to generate a plurality of secret keys. A pairing module combines each character of confidential information with each character of secret key and generates a combined string. Each cell of combined string comprises a character of secret key paired with a character of confidential information. These cells are arranged in a grid format along with other cells containing certain random characters. The grid is scanned at the receivers end by a retriever which identifies the cells of the grid containing characters of the secret key. The retriever retrieved the characters adjacent to the characters of the secret key, thereby retrieving the confidential information concealed within the grid.

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

(22) Date of filing of Application :20/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD AND APPARATUS FOR DOUBLE ERROR CORRECTING BCH CODES USING A LOW COMPLEXITY DECODER

(51) International classification	:H03M13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No.
(33) Name of priority country	:NA	66/1 Bagmane Tech Park CV Raman Nagar Byrasandra
(86) International Application No	:NA	Bangalore- 560093. Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sujit Jos
(61) Patent of Addition to Application Number	:NA	2)Kiran Bynam
Filing Date	:NA	3)Manoj Choudhary
(62) Divisional to Application Number	:NA	4)Young-Jun Hong
Filing Date	:NA	

#### (57) Abstract:

A method and apparatus to achieve low complexity decoding of double error correcting BCH codes is disclosed. The method described herein comprises two approaches for decoding of double error correcting BCH codes. The first approach provides a simple alternative to the dedicated algorithms to arrive at the error locator polynomial. The second approach obviates the need of finding error locator polynomial and computes the error locations directly from the syndromes. Both the approaches employ a common procedure to estimate the number of errors based on simple observations of the syndromes. The method does not compromise upon the performance when compared to the conventional approaches of syndrome decoding.

No. of Pages: 38 No. of Claims: 20

(21) Application No.3289/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : PRESSPING, POWER SEMICONDUCTER MODULE AND SEMICONDUCTER MODULE ASSEMBLY WITH MULTIPLE POWER SEMICONDUCTER MODULES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01L21/00 :11177800.7 :17/08/2011 :EPO :NA :NA : NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant: AFFOLTERNSTRASSE 44, CH-8050  ZURICH Switzerland (72)Name of Inventor:  1)DUGAL, FRANC
(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 first presspin (6) with a foot (8), whereby a base (12) of the foot (8) is provided for contacting a contact element (4a, 4b) of a power semiconductor device (3), especially within a power semiconductor module (1) comprising a base plate (2) and at least one power semiconductor device (3), which is arranged on the base plate (2) and contacted by at least one further presspin (6, 7), whereby an insulation means (13) is provided for electrically isolating an outer surface (14) of the foot (8). The present invention further provides a power semiconductor module (1) comprising a base plate (2), at least one power semiconductor device (3), which is arranged on the base plate (2), and at least one first presspin (6), which is provided with an insulation means (13) as specified above for electrically isolating an outer surface (14) of the foot (8) of the first presspin (6), whereby the least one first presspin (6) is provided for contacting at least one contact element (4a, 4b) of the at least one power semiconductor device (3). The present invention also provides a power semiconductor module assembly, comprising multiple power semiconductor modules (1) as specified above, whereby the power semiconductor modules (1) are arranged side by side to each other with electric connections between adjacent power semiconductor modules (1).

No. of Pages: 21 No. of Claims: 14

(22) Date of filing of Application :04/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A NON-INVASIVE SYSTEM AND METHOD FOR LOCATING BLOOD VESSEL AND ANALYZING BLOOD

(51) International classification	·A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Sulakshna Saxena
(32) Priority Date	:NA	Address of Applicant :A001 Chartered Coronet 102/1
(33) Name of priority country	:NA	Arekere Bangalore 560 076 Karnataka India
(86) International Application No	:NA	2)Noopur Saxena
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sulakshna Saxena
(61) Patent of Addition to Application Number	:NA	2)Noopur Saxena
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A non-invasive system (100) and method for locating blood vessel and analyzing blood is disclosed. The system (100) comprises a processor (108), an imaging system in communication with said processor (108) to capture at least a portion of a subject under observation and a display system (112) in communication with said processor to display said portion of the subject under observation (116). In further embodiments said processor (108) is configured to receive data from said imaging system and to construct a surface map of said portion of said section of said surface under observation (116).

No. of Pages: 47 No. of Claims: 20

(21) Application No.1778/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: MANGO STONE DECORTICATOR

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)KRISHNA MURTHY.M
(32) Priority Date	:NA	Address of Applicant :A4, ALSA DEER PARK, 108
(33) Name of priority country	:NA	VELACHERY ROAD, GUNDY CHENNAI - 600 032 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KRISHNA MURTHY.M
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

5. Field of Invention: A NOVEL, EFFICIENT AND EFFECTIVE INVENTION WHICH BY A MECHANICAL PROCESS SPLITS UP THE MANGO STONE AND AUTOMATICALLY SEPARATES THE SPLIT UP OUTER SHELL FROM THE MANGO SEED KERNEL TO GENERATE AN ENERGY EFFICIENT BIO FUEL(shell) AND A POTENT MANGO SEED KERNEL CAPABLE OF APPLICATION IN NUTRACEUTICAL, COSMECEUTICAL AND PHARMACEUTICAL INDUSTRIES. 6). Summary of the Invention The invention relates to: i) A novel automatic separation of the Mango Seed Kernel from the Outer Mango Shell Coat by splitting up of the Cleaned Moist Mango Stone in an ergonomically designed Chamber by using a mechanical process involving the rotation of a Metal Teethed Cylinder electrically. ii) The resulting Shell can be used as an energy efficient Bio Fuel and the Mango Seed Kernal can be used in the NUTRACEUTICAL, COSMECEUTICAL AND PHARMACEUTICAL INDUSTRIES as it contains Mango Fat, Tannin and other useful components. 7.) Objectives of Invention 1) To convert an otherwise waste bio product (Mango Stone) into a useful product by generating an energy efficient Bio-Fuel (Split Up the outer Shell) and Mango Seed Kernel which can be applied in NUTRACEUTICAL, COSMECEUTICAL AND PHARMACEUTICAL INDUSTRIES as it contains Mango Fat, Tannin and other useful components. 2) A novel mechanical process to split up the-Mango Stone and separate the Shell and Kernel by a cost effective Invention.

No. of Pages: 4 No. of Claims: 1

(22) Date of filing of Application :23/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR DELIVERING MULTIMEDIA CONTENT CACHED IN WIRELESS CELLULAR NETWORK NODES USING MBMS

(51) International classification	:H04W72/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No.
(33) Name of priority country	:NA	66/1 Bagmane Tech Park CV Raman Nagar Byrasandra
(86) International Application No	:NA	Bangalore- 560093 Madhya Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Satish Nanjunda Swamy Jamadagni
(61) Patent of Addition to Application Number	:NA	2)Rajavelsamy Rajadurai
Filing Date	:NA	3)Sarvesha Anegundi Ganapathi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and system for broadcast or multicast of multimedia content, cached locally at various wireless cellular network nodes using a Multimedia Broadcast Multicast Services (MBMS) is disclosed. The wireless cellular network node can be Radio Access Node (RAN) node, a Serving Gateway (SGW) or a Packet Data Network Gateway (PGW). The method provides a cached content manager with new control interfaces that enable the cached content manger to initiate an MBMS session for delivery of locally cached multimedia content. The MBMS session can also be initiated by a User Equipment (UE) or by a Broadcast Multicast Service Centre (BMSC). The method disclosed efficiently utilizes the multimedia content cached at the wireless cellular network nodes thereby reducing backhaul overload issues, signaling congestion.

No. of Pages: 38 No. of Claims: 19

(21) Application No.3349/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : POLYCARBOXYLIC ACID MODIFIED EPOXY COMPOSITION CONTAINING ORGANIC TITANANTE AS LATENT HARDNER

<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>	:C08G59/00 :NA :NA :NA	(71)Name of Applicant: 1)SINGUBIRU KHATAKE Address of Applicant: MATERIALS PHYSICS DIVISION, SCHOOL OF ADVANCED SCIENCES, VIT UNIVERSITY,
(86) International Application No	:NA	VELLORE - 632 014 Tamil Nadu India
Filing Date	:NA	2)DR. GIRISH JOSHI
(87) International Publication No	: NA	3)DR. VIKAS MATHE
(61) Patent of Addition to Application Number	:NA	4)DR. HEMANT TAMBOLI
Filing Date	:NA	(72)Name of Inventor:
(62) Divisional to Application Number	:NA	1)SINGUBIRU KHATAKE
Filing Date	:NA	

### (57) Abstract:

A low molecular weight aromatic epoxy resin having two or more epoxy functional groups in one molecule was modified with poly functional carboxylic acid or its acid anhydrides. This modified epoxy resin cured under heat with different concentration of organic titanates. The application of the said compound to a composite system consisting of a modified epoxy resin and organic titanates. It improves the mechanical, electrical and thermal properties of the cured substances of the composite system. These composite systems are amine free which is eco-friendly systems.

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

(22) Date of filing of Application :02/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : NUCLEOTIDE SEQUENCE RECOMBINANT VECTOR METHODS AND KIT 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>	:C12N9/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CHRISTIAN MEDICAL COLLEGE Address of Applicant:Bagayam Vellore 632 002 Tamil Nadu India. (72)Name of Inventor: 1)SANGEETHA HAREENDRAN 2)NISHANTH GABRIEL 3)DWAIPAYAN SEN 4)RUPALI GADKAR 5)SUDHA GOVINDARAJAN 6)NARAYANA SWAMY SRINIVASAN 7)ARUN SRIVASTAVA 8)ALOK SRIVASTAVA 9)GIRIDHARA RAO JAYANDHARAN
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### (57) Abstract:

The present disclosure relates to recombinant adeno-associated virus vector capsid wherein the mutant AAV2 is targeted for destruction in the cytoplasm by the host-cellular kinase/ubiquitination/proteasomal degradation machinery and modification of the serine/threonine kinase targets or ubiquitination targets (lysine) on AAV capsid to improve its transduction efficiency. The instant disclosure relates to nucleotide sequences recombinant vector methods and kit thereof.

No. of Pages: 283 No. of Claims: 28

(21) Application No.2029/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A LID OPENER MECHANISM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	(71)Name of Applicant:  1)RAMISETTI VIJAYA KUMAR  Address of Applicant: H.NO:11-71, NEAR MRO OFFICE, GANDHI NAGAR, MADIVADA, AKIVIDU, WEST
(86) International Application No Filing Date	:NA :NA	GODAVARI DISTRICT - 534 235 Andhra Pradesh India (72) <b>Name of Inventor :</b>
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)RAMISETTI VIJAYA KUMAR
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The present invention describes a new lid opener mechanism for opening a storage containers lid. It consists of a rotating lever with specific design features, a lid with specialized features, a pin and a cap. This invention could be used to open the lid of any storage container and could be altered to the needs of the user/customer.

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

(21) Application No.3084/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR PREPARING ERTAPENEM SODIUM

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 2, MAITRIVIHAR,
(33) Name of priority country	:NA	AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KARURU MALLIKARJUNA REDDY
(87) International Publication No	: NA	2)KURIMISETTY SIVAKUMAR
(61) Patent of Addition to Application Number	:NA	3)KONDURU RAJASEKHARA RAJU
Filing Date	:NA	4)BUDIDET SHANKAR REDDY
(62) Divisional to Application Number	:NA	5)MEENAKSHISUNDERAM SIVAKUMARAN
Filing Date	:NA	

# (57) Abstract:

The present invention relates to an improved process for the preparation of crystalline form Ertapenem sodium of Formula I, which is substantially free of residual solvents.

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

(22) Date of filing of Application :01/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: POSITION TRANSMISSION DEVICE FOR VEHICLE

(51) International classification	:G07C5/00	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)HONDA MOTOR CO., LTD.
(31) Thomas Document No	172438	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:06/08/2011	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KONNO, TAKESHI
Filing Date	:NA	2)YAMATE, NAOYKI
(87) International Publication No	: NA	3)HIRAKATA, YOSHIAKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

[Object] To provide a position transmission device for a vehicle capable of tracking the vehicle by transmitting position information to a predetermined notifyee without adding an inputting device nor complicating work. [Constitution] The position transmission device 10 includes an abnormality detection section 31 detecting an abnormal state of the vehicle 1, transmission means 4 transmitting own vehicle position information, and an alarm device 30 giving an alarm in detecting abnormality. In an ignition ON mode, the position information is transmitted at a period T3. In a sleep mode in ignition OFF, the position information is transmitted at a long period T1 and an alarm device 30 is driven whenever abnormality is detected. In a truck mode in ignition OFF, the drive level of the alarm device 30 is lowered, and the position information is transmitted at a period T2 longer than the period T3 and shorter than the period T1. Switching to the truck mode is performed by operating an ignition switch ON and OFF by predetermined number of times and operating a brake lever and so on.

No. of Pages: 36 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :16/08/2012

(21) Application No.3394/CHE/2012 A

(43) Publication Date: 07/03/2014

### (54) Title of the invention: SPINDLE APPARATUS

(51) International classification	:F16C17/00	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) I Hority Document No	192726	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:05/09/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENZO ARAMAKI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

To facilitate replacement of a bearing. Included are a housing 2; a main shaft 3 disposed in the housing 2 and including a thrust disk 3a; a radial thrust bearing 30 integrally including a radial bearing portion 30A and a thrust bearing portion 30B, the radial bearing portion 30A supporting the main shaft 3 in a radial direction in a contactless manner, the thrust bearing portion 30B supporting the thrust disk 3a in a thrust direction in a contactless manner; a fixing bolt 50 extending through the thrust bearing portion 30B in an axial direction of the main shaft 3 and fixing the radial thrust bearing 30 to the housing 2; and a motor 4 including a rotor 4a disposed on the main shaft 3 and a stator 4b disposed on an inner peripheral side of the housing 2 so as to face the rotor 4a.

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

(22) Date of filing of Application :20/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR PREPARING DASATINIB MONOHYDRATE

(51) International classification	:C07D417/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHILPA MEDICARE LIMITED
(32) Priority Date	:NA	Address of Applicant :R&D UNIT, SURVEY NO 207,
(33) Name of priority country	:NA	MODAVALASA, VIZIANAGARAM DIST 531162 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PUROHIT, PRASHANT
(61) Patent of Addition to Application Number	:NA	2)SRIRAM, RAMPALLI
Filing Date	:NA	3)VIJAYA MURALI MOHANRAO, SESHAGIRI
(62) Divisional to Application Number	:NA	4)LAVKUMAR, UPALLA
Filing Date	:NA	

# (57) Abstract:

The present invention provides an improved process for preparing N-(2-chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)-l-piperazinyl]-2-methyl-4-pyrimidinyl] amino]-5-thiazole carboxamide monohydrate or Dasatinib monohydrate (Formula A).

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

(22) Date of filing of Application :16/01/2012 (43) Publication Date: 07/03/2014

# (54) Title of the invention: ON/OFF TOUCH MODULAR SWITCHES

(51) International classification	·H02M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PRAFUL SHAH
(32) Priority Date	:NA	Address of Applicant :3-4-250/1 NIRMITH MANSION
(33) Name of priority country	:NA	KACHIGUDA HYDERABAD ANDHRA PRADESH-500 027
(86) International Application No	:NA	INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRAFUL SHAH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.165/CHE/2012 A

## (57) Abstract:

(19) INDIA

Microcontroller measures the capacitance at the copper pads which acts as one of the capacitor plate and the human finger acts as the other capacitor plate, air or some solid material like plastic in between the plates, acts as dielectric medium. Microcontroller determines the variation in the capacitance value to decide the position of the Modular switch, fan regulator or Dimmer etc. Microcontroller is used to calculate, compute and execute all the process of capacitive touch sensing, ISW communication protocol, operate relay/triac at zero crossing of sine wave.

No. of Pages: 28 No. of Claims: 1

(22) Date of filing of Application :01/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR UNIQUE ARTISTIC PATTERN CREATION AND INSTANT APPAREL PERSONALIZATION

<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>	:G06F3/00 :NA :NA :NA	(71)Name of Applicant: 1)Mr. Sunil Jayaprakash Address of Applicant: No.177 Jenugudu 1st Main 6th Cross Narayana nagara 3rd Block Off Kanakapura Road
(86) International Application No	:NA	Doddkallasandra Post Bangalore - 560062 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Mr. Sunil Jayaprakash
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In view of the foregoing an embodiment herein provides a computing environment for implementing a system and method for dynamically creating unique artistic pattern based on the user input or any input source wherein the system comprises of an input interface module responsible for identifying the type of input from a plurality of sources a receiver module responsible for receiving one or more of user behavioral inputs user interactions and related and/or unrelated collation parameters associated with the behavioral inputs from a plurality of sources conversion module responsible for converting the inputs into spatial coordinates in two or multi dimensional coordinate system an art creation module responsible for dynamically creating artistic pattern based on the spatial coordinates. Further the present invention provides a method for creating unique artistic pattern based on user input commands/actions.

No. of Pages: 21 No. of Claims: 17

(22) Date of filing of Application :03/08/2012

(21) Application No.3184/CHE/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: MAGNET MIRACLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:H01F7/00 :NA :NA :NA :NA :NA : NA : NA :NA	(71)Name of Applicant: 1)M. RAVINDERAN Address of Applicant: 3-POOSARI CHENNIMALAI ST - 3, SURAMPATTI NAL ROAD, ERODE - 638 009 Tamil Nadu India (72)Name of Inventor: 1)M. RAVINDERAN
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

(19) INDIA

The Invention is consisting of (1\$) a soft Iron piece (2) permanent magnets (3) Insulated copper coil (4) Battery The soft Iron piece inside the copper coil attracts permanent magnets. When Battery is connected with the coil ends it turns electromagnet. Then the electromagnet repulse all the permanent magnets facing against the poles of electromagnet (Since thepoles of permanent magnets have been set opposite poles of electromagnets) It is natural law that unlike poles repulses. So the movements of permanent magnets occured as described in detail previously.

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :21/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: VEHICLE INFORMATION UNIT FOR A STRADDLE TYPE VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29  (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)RAGHAVAN VENKATESAN
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	2)ARUNKUMAR FRANCIS 3)THANIKACHALAM GUNALAN
Filing Date	:NA	

## (57) Abstract:

The present subject matter relates to an anterior portion of a straddle type vehicle comprising a vehicle information unit for better visibility of the vehicle related information during improper environmental conditions. The arrangement of consoles ensures longer durability of the vehicle information unit and optimum viewing experience for the vehicle operator.

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

(22) Date of filing of Application :21/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ENGINE INITIATION SYSTEM FOR A SADDLE TYPE VEHICLE

(51) I	E02N1 5/00	
(51) International classification	:F02N15/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DAVINDER KUMAR
(61) Patent of Addition to Application Number	:NA	2)ARUMUGAM SIVAKUMAR
Filing Date	:NA	3)PERUMAL LAKSHMANAN
(62) Divisional to Application Number	:NA	4)YALAMURU RAMCHANDRA BABU
Filing Date	:NA	

## (57) Abstract:

The present subject matter relates to an engine initiation system which includes a starter motor, a starter gear, a one way clutch disposed inner to the inner circumferential surface of and coaxial with the starter gear, and clutch housing. The system reduces the rotational inertia and weight of the engine as a whole and provides better lubrication to the one way clutch.

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :01/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVING GUEST SATISFACTION IN RESTAURANTS

# (57) Abstract:

An aspect of the present invention improves guest satisfaction in restaurants. In one embodiment, a portable device such as a tablet is provided to different guests o a restaurant. Different input characteristics of the guests such as the movement of eyeball of he guest, the voice and physical gestures of the guest, the identity of the guest, the time taker to and/or the frequency of performing actions, the specific actions performed/not performed, feedback provided though forms, etc. are captured using the portable device. A satisfaction level of each guest is computed based on the captured input characteristics and a comparison of he computed satisfaction levels is provided to a user (such as a manager, chef, etc.) in the restaurant environment. The user is facilitated to monitor the satisfaction levels of the guest and provide better guest satisfaction based on the measured reactions of the guest.

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

(22) Date of filing of Application :01/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : COMPACT THREE-WHEELED ELECTRIC VEHICLE FOR SINGLE PERSON INDOOR/OUTDOOR TRANSPORTATION

(51) International classification	:B60B33/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)S. NIKHIL DAS
(32) Priority Date	:NA	Address of Applicant :C/O CIV EEMECH V SIVADASAN,
(33) Name of priority country	:NA	STATION WORKSHOP EME, DOMLUR, OLD AIRPORT
(86) International Application No	:NA	ROAD, AGRAM P.O., BANGALORE - 560 007 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. NIKHIL DAS
(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 about construction of battery operated three wheeler. It has a front wheel drive, with a hub motor integrated into the front wheel, provided with shock-proof platform on which the user stands. The vehicle is maneuvered by a control stick, attached to the front wheel, which is provided with accelerating and braking levers. Castor-wheels are used as rear wheels and are provided with a unique brake assembly. The accessories like battery etc. are strategically placed to save space without compromising the functionality of the vehicle. This vehicle can operate at a speed of 20 to 30 kilometers per hour. The design of the vehicle body ensures that it is statically and dynamically stable, in spite of having a small base of area not more than 60cm x 60cm. Even with all these incorporated features, the vehicle is quite inexpensive and is affordable.

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

(21) Application No.3232/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED PROCESS AND POLYMORPHS OF ETIFOXINE HYDROCHLORIDE

<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>	:C07D :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) -
(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)GOGULAPATI VENKATA PANAKALA RAO
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 2-ethylamino-4-methyl-4-phenyl-6-chloro-4H-3,l-benzoxazine compound represented by the following structural formula-1 and its pharmaceutically acceptable salts. Formula-1

No. of Pages: 22 No. of Claims: 10

(21) Application No.3474/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ROBOT HAND AND ROBOT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:2011- 195859	(71)Name of Applicant:  1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant: 2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806- 0004 Japan (72)Name of Inventor: 1)YASUHIRO IMASATO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

To facilitate a changeover process. Each of a left hand 9L and a right hand 9R provided on a left arm 6L and a right arm 6R, respectively, includes three forks 12 on which a liquid crystal glass substrate W is placeable, a pair of fixing members 15 that are arranged to be separated from each other in a longitudinal direction of the forks 12, and a pair of guide members 13 that are arranged between the pair of fixing members 15 and that regulate a movement of the liquid crystal glass substrate W placed on the forks 12 in the longitudinal direction. A position of at least one of the pair of guide members 13 in the longitudinal direction of the forks 12 is selectively settable to a plurality of positions.

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

(21) Application No.3475/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MOTOR CONTROL 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>	:2011- 191142	(71)Name of Applicant:  1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant: 2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806- 0004 Japan (72)Name of Inventor: 1)YASUFUMI YOSHIURA 2)YASUHIKO KAKU
(62) Divisional to Application Number Filing Date		

### (57) Abstract:

A motor control apparatus includes a position detector to detect a position of a motor. A speed operator calculates a first speed of the motor. A position controller outputs a first speed command. A speed controller acquires a difference between the first speed command and a second speed of the motor to output a first torque/thrust command. A phase compensator includes a lowpass filter to advance a phase of the second speed, and acquires the first speed and the first torque/thrust command to output the second speed. An inertia variation inhibitor includes a disturbance observer estimating a disturbance torque/thrust. The inertia variation inhibitor acquires the first speed and a second torque/thrust command, and adds the disturbance torque/thrust to the first torque/thrust command to output the second torque/thrust command. A torque/thrust controller acquires the second torque/thrust command to control a motor torque/thrust.

No. of Pages: 96 No. of Claims: 8

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A SIMPLIFIED APPARATUS AND METHOD FOR MANUFACTURING A LONG COMPOSITE MEMBER USING WINCH APPARATUS

(51) International classification	:B29C70/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VALAGAM RAJAGOPAL RAGHUNATHAN
(32) Priority Date	:NA	Address of Applicant :OLD NO.6 NEW NO.72, 12TH
(33) Name of priority country	:NA	AVENUE, ASHOK NAGAR, CHENNAI - 600 083 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)VALAGAM RAJAGOPAL RAGHUNATHAN
(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 simplified apparatus and method for manufacturing a long composite member. As per the construction of the present invention, a winch apparatus/pulling means (5) or conveyer type pulling means (13) is used for pulling the desired shaped and polymerized long composite member (8) from the pultrusion apparatus, particularly from die assembly(4). The above unique simplified assembly eliminates the need of complex hydraulic and pneumatic pulling means and also avoids damages/deformation in the long composite member during the pulling action. Here, the simplified apparatus only gives horizontal pulling force not pressing/squeezing force so; the desired shaped and uniformly polymerized long composite member can be obtained

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: VERTICAL AXIS WIND TURBINE WITH SEGMENTED BLADE ASSEMBLY

(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA	(71)Name of Applicant:  1)VALAGAM RAJAGOPAL RAGHUNATHAN Address of Applicant: OLD NO.6 NEW NO.62, 12TH AVENUE, ASHOK NAGAR, CHENNAI - 600 083 Tamil Nadu India (72)Name of Inventor:  1)VALAGAM RAJAGOPAL RAGHUNATHAN
(62) Divisional to Application Number :NA	
Filing Date :NA	

## (57) Abstract:

The present invention relates to a vertical axis wind turbine with a segmented blade assembly (3) for continuously utilizing the torque action of the wind to obtain a smooth torque. As per the present invention, each blade assembly (8) of the rotor assembly is divided into n number of segments(3) and stacked in required shape therefore each segment independently collide with wind at favourable position to obtain smooth torque from the wind velocity. Here, each segment (3) obtains separate torque, therefore the cumulative torque of the n number of segments (SBA) have a smooth torque than non-segmented (N-SBA) blade assembly (fig 1&2). One of the embodiments of the invention shows each segment (3) of the blade assembly (8) connected by means of a coupling means (4) to obtain any desired shaped blade assembly configuration .

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

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROTECTIVE DOOR ASSEMBLY FOR ELECTRICAL DEVICES

(51) International classification	:H01H9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SCHNEIDER ELECTRIC INDUSTRIES SAS
(32) Priority Date	:NA	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country	:NA	RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MANAN DEB
(87) International Publication No	: NA	2)FRANK MICHAEL PAGE
(61) Patent of Addition to Application Number	:NA	3)SINAN MERIC
Filing Date	:NA	4)GREGORY BRENT LEE
(62) Divisional to Application Number	:NA	5)SHYLESH D RAO
Filing Date	:NA	

## (57) Abstract:

A protective door having push switches, access to racking unit and viewing windows is assembled with the electrical device such that the protective door encloses the electrical device with a flame proof sealing. The push switches and cutout to access racking unit are made aligned with the electrical device such that the switches of the electrical device are actuated through the push switches, racking in and out the device is possible through the cutout to access racking unit and it allows reading the rating plate, display of the electrical device through the viewing windows in the protective door even if the protective door is closed. The push switch has a push rod and a spring loaded push button assembled inside a cylinder and the push button is clamped from the front of the protective door. The push switches are arranged such that a reset switch contact with the position reset switch of the electrical device, push switches to respectively switch ON and Switch OFF the electrical device.

No. of Pages: 32 No. of Claims: 19

(21) Application No.3555/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SHEAR DISPLACEMENT EXTENSOMETER

(51) International classification	:G01B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:NA	Address of Applicant :3600 WEST LAKE AVENUE,
(33) Name of priority country	:NA	GLENVIEW, ILLINOIS - 60026-1215 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUNDER RAMASUBBU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a shear extensometer for measuring the shear strain on a given specimen. The extensometer according to this invention comprises a first and second arm parallel to each other. Each arm has a mounting tip having a unique geometry and profile, such that, the contact of the mounting tips is at diagonally opposite points on parallel, offset axes on the specimen and that the relative lateral offset of the mounting tips determines the gauge length. The arms of the extensometer according to this invention move strictly in the plane described by the arm axes. However, the arm mounting tips make contact with diagonally opposed points on the surface of the specimen.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: VEHICLE AIR-CONDITIONING SYSTEM

(51) International classification	:B60H	(71)Name of Applicant :
(31) Priority Document No	:2011-	1)SUZUKI MOTOR CORPORATION
(51) Thomy Bocument 110	132889	Address of Applicant :300 Takatsuka-cho Minami-ku
(32) Priority Date	:15/06/2011	Hamamatsu-shi Shizuoka-Ken 4328611 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Hideki HASHIGAYA
Filing Date	:NA	2)Isamu ITO
(87) International Publication No	: NA	3)Yorisada KONDO
(61) Patent of Addition to Application Number	:NA	4)Yuki FUTUHARA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A fault diagnosis unit 61 identifies that a system is out of order and stops driving of a heater 51 (step S8) when a preset first setting time elapses after a start of driving of an electric-powered water pump 42 and a heater 51 (step S3 and step S4) a value obtained by subtracting temperature detected by a heater inlet temperature sensor 52 from temperature detected by a heater outlet temperature sensor 53 is less than or equal to a preset first threshold (step S5) and a value obtained by subtracting temperature detected by a water temperature sensor 43 before a start of driving of the electric-powered water pump 42 and the heater 51 from temperature detected by the water temperature sensor 43 is less than or equal to a second threshold (step S6).

No. of Pages: 42 No. of Claims: 6

(21) Application No.2400/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: WHEEL COVER MOUNTING STRUCTURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA :NA	(71)Name of Applicant: 1)TVS MOTOR COMPANY LIMITED Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. SARAVANARAJAN
(61) Patent of Addition to Application Number	:NA	2)CHANDAN B. CHAVAN
Filing Date	:NA	3)BAPANNA DORA KAREDLA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present subject matter discloses a flexible wheel cover mounting structure for mounting and removably connecting a wheel cover to a lower bracket. The wheel cover mounting structure is adaptible to accommodate different sizes of wheel covers based on wheel size without the need for additional forging on the lower bracket. The wheel cover is disposed below the lower bracket.

No. of Pages: 23 No. of Claims: 7

(22) Date of filing of Application :25/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A SYSTEM AND METHOD FOR A SECURE EMPLOYEE TIME AND LOCATION TRACKING

(51) International classification	:G06Q10/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Siddhartha Gupta
(32) Priority Date	:NA	Address of Applicant :c/o Shaktimoy Banerjee BF3 B Block
(33) Name of priority country	:NA	Ananda Nilayam Yeranapalya Rammurthynagar Main Road
(86) International Application No	:NA	Bangalore-560016 Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Siddhartha Gupta
(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 providing secure employee location tracking and timekeeping information in a mobile communication device, said method comprising: generation of a grouping of checkins by mobile application; storing the groupings in a local database; determining an aberration from a predetermined state in the current location of the user; uploading a grouping to a web server via a mobile communication link; and generate dynamic analysis reports based on user check in and grouping data wherein the server is configured to analyze the data of the uploaded grouping, generate summary reports and alerts thereof in an event of an aberration from a predetermined state; and a web server where authorized users can access the summary reports

No. of Pages: 19 No. of Claims: 34

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A WHEEL ALIGNMENT APPARATUS AND METHOD OF CALIBRATING THEREOF

		(71)Name of Applicant:
(51) International classification	:H04N7/00	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(31) Priority Document No	:NA	SOLUTIONS LIMITED
(32) Priority Date	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(33) Name of priority country	:NA	HOSUR ROD, KORMANGALA, BANGALORE - 560 095
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)OLEG SCHILLER
(61) Patent of Addition to Application Number	:NA	2)MANGALA PRASAD
Filing Date	:NA	3)CHANDRASEKARAN KANDASAMY
(62) Divisional to Application Number	:NA	4)VIKRESH GYANANI
Filing Date	:NA	5)MAHESH YADAV
		6)VISHAL KALE

### (57) Abstract:

A wheel alignment apparatus and a method of referencing the wheel alignment apparatus is disclosed. The apparatus comprises pluralities of measurement heads located in a manner such that at least two of the pluralities of measurement heads communicate with each other. The apparatus comprises a plurality of reference optical sources located on the pluralities of measurement heads. A plurality of image capturing means located on the pluralities of measurement heads. The apparatus is characterized with at least one inertial sensor located on the pluralities of measurement heads.

No. of Pages: 9 No. of Claims: 6

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AN APPARATUS FOR SYNCHRONIZATION OF CAMERAS IN A VEHICLE WHEEL ALIGNMENT SYSTEM AND A METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01B :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED  Address of Applicant: 123, INDUSTRIAL LAYOUT, HOSUR ROAD, KORMANGALA, BANGALORE - 560 095 Karnataka India  2)ROBERT BOSCH GMBH (72)Name of Inventor: 1)OLEG SCHILLER 2)MANGALA PRASAD 3)CHANDRASEKARAN KANDASAMY 4)VISHAL KALE 5)VIKRESH GYANANI 6)MAHESH YADAV
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# (57) Abstract:

The present invention discloses a device (10) for vehicle wheel alignment. The device (10) in accordance with the present invention comprises a measurement head (12) positioned facing each of the wheels of said vehicle. Each of the measurement head (12) includes an image capturing means (14), a pair of wireless transceivers (16a, 16b) and a control unit (18) for synchronizing the operation of said measurement heads (12) with each other.

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

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: KIT FOR THE PREVENTION OF ROOT ROT DISEASE IN PLANTS

(51) International classification	:A61K36/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL SERICULTURAL RESEARCH &
(32) Priority Date	:NA	TRAINING INSTITUTE
(33) Name of priority country	:NA	Address of Applicant :SRIRAMPURAM, MANANDAVADI
(86) International Application No	:NA	ROAD, MYSORE - 570 008 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)YADAV, DAYAKAR
(61) Patent of Addition to Application Number	:NA	2)SHARMA, DINESH
Filing Date	:NA	3)PADINJARE-MANNATH, PRATHEESH KUMAR
(62) Divisional to Application Number	:NA	4)NAIK, NISHITHA
Filing Date	:NA	5)QADRI, SYED MASHAYAK

#### (57) Abstract:

In the present disclosure there is provide a kit adapted for controlling root disease in plants, said kit comprising a sealed enclosure which contains therein a first container and a second container; the first container is provided a first mixture of at least one plant based ingredient in weight proportion of 80 to 100 wt% and at least one first group of active ingredients in a weight proportion of 0.1 to 11 wt%; the second container is provided with a second mixture of second group of ingredients in a weight proportion varying between 0.1 to 0.9 wt%. The first and the second mixtures are kept air-tight sealed in the first and the second container of the kit, and mixed and dissolved in predetermined quantity of water to prepare an herbal formulation, immediately before their intended application on the root rot affected plants. After applying the herbal formulation of the present disclosure, the inoculum load in the soils around the root zone is found to be reduced significantly and the horizontal spread of the disease is also completely checked.

No. of Pages: 37 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: IMPLANT SITE MARKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)YENEPOYA UNIVERSITY Address of Applicant: UNIVERSITY ROAD, DERALAKATTE, MANGALORE - 575 018 Karnataka India (72)Name of Inventor: 1)AKHTER HUSSAIN
<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	

(21) Application No.3534/CHE/2012 A

### (57) Abstract:

An implant site maker (1) having a three-part configuration disposed around a longitudinal axis (2), said implant site maker (1) comprising: a middle cylindrical section (3); a sharp pin-like conical section (4) having a smaller diameter than said middle section (3) and disposed on one side thereof; a holding part (5) having a diameter substantially equal to the base of said sharp pin-like conical portion (4) and disposed on the other side of said middle cylindrical section (3), wherein said three parts (3, 4, 5) are configured connected to each other disposed around said longitudinal axis (2).

No. of Pages: 16 No. of Claims: 3

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF MONTELUKAST SODIUM

		(71)Name of Applicant :
(51) International classification	:C07D215/00	1)MYLAN LABORATORIES LTD
(31) Priority Document No	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(32) Priority Date	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BONIGI, VENKATARAMANA
(87) International Publication No	: NA	2)VELAGA, NARENDRA BABU
(61) Patent of Addition to Application Number	:NA	3)KANCHARLA, SUMAN
Filing Date	:NA	4)NARRA, MANOHAR REDDY
(62) Divisional to Application Number	:NA	5)KODALI, HARI PRASAD
Filing Date	:NA	6)KONUDULA, BABU RAO
		7)ABBINENI, JYOTHIBASU

### (57) Abstract:

Present invention relates to process for the preparation of Montelukast comprising, reacting 2-(2-(3(S)-(3-(2-(7-Chloro-2-quinolinyl)-ethenyl))-3-methanesulfonylpropyl) phenyl)-2-propanol with l-(mercaptomethyl) cyclopropane acetic acid in presence of sodium alkoxide and a solvent such as N-methyl 2-pyrrolidone.

No. of Pages: 19 No. of Claims: 8

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A METHOD TO DIAGNOSE A FUEL 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> </ul>	:F02M63/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)BOSCH LIMITED  Address of Applicant: POST BOX NO 3000, HOSUR ROAD, ADUGODI, BANGALORE - 560 030 Karnataka India  2)ROBERT BOSCH GMBH  (72)Name of Inventor:
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	1)BJOERN NOACK 2)GEORGE ANTHONY P
Filing Date	:NA	

## (57) Abstract:

Thus the invention proposes a simple method to detect a malfunction in A fuel supply System. The fuel supply 10 system comprises a fuel tank (12) to store fuel; a feed pump (14) to draw fuel from the fuel tank (12); a filter (16) to receive the fuel from the feed pump (14) and filtering the fuel passing through the said fuel filter (16); a metering unit (20) receiving fuel from the filter (16) and supplying fuel to a high pressure pump (18); a high pressure pump (18) receiving fuel from the filter (16) and delivering the fuel at high pressure to a fuel accumulator (24); an engine control unit (ECU) (22). The engine control unit is characterized by a means to diagnose the fuel supply system by comparing a change in fuel pressure to an expected change in fuel pressure for a given current drawn by the metering unit (20)

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

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AN APPARATUS AND METHOD FOR AUTOMATICALLY DETECTING MULTI-DIMENSIONAL COMPONENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06T7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED  Address of Applicant: 123, INDUSTRIAL LAYOUT, HOSUR ROAD, KORMANGALA, BANGALORE - 560 095 Karnataka India  2)ROBERT BOSCH GMBH (72)Name of Inventor:  1)VAMSIDHAR SUNKARI 2)ANANDA PADMANABHAN KRISHNA IYENGAR 3)PRAKASH VERMA 4)KUMAR SAURABH
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#### (57) Abstract:

The present invention discloses an apparatus (10) and method for detecting multi dimensional components of a device or a system and updating a database (12) of the components. An image of the device or system is captured by an image capturing means (14) and components are identified by comparing parts of the captured image with images of components in an existing database (12). It is possible that different devices or systems models from the same manufacturer will have at least some common components. The present apparatus and method are adapted to identify the same and create a new category and tag the identified components under said new category.

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

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AC EXHAUST GAS RECIRCULATION (EGR) VALVE FOR DIESEL 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>	:NA :NA :NA	(71)Name of Applicant: 1)M/S TVS MOTOR COMPANY LIMITED Address of Applicant: NO.29, HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAMRAJ JABEZ DHINAGAR
(87) International Publication No	: NA	2)AROCKIA PADUMAI JEYARAJ
(61) Patent of Addition to Application Number	:NA	3)KARUPPUSAMY SAKTHIVEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention illustrates an Exhaust Gas Recirculation (EGR) Valve control unit. It is opened with 12V AC supply and is the main emission control component in the EGR. In general, when the system is at lower engine speed, the output power from RR unit is less than EGR valve rated power, so the EGR valve takes power from battery, which leads to battery charging problem. The present invention overcomes this problem by providing AC power directly from the flywheel magneto assembly 25 to the AC EGR valve 26 and not from the battery.

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

(22) Date of filing of Application :22/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF DALFAMPRIDINE

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ORCHID CHEMICALS & PHARMACEUTICALS LTD
(32) Priority Date	:NA	Address of Applicant :ORCHID TOWERS, 313,
(33) Name of priority country	:NA	VALLUVAR KOTTAM HIGH ROAD, NUNGAMBAKKAM,
(86) International Application No	:NA	CHENNAI - 600 034 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)REGURI BUCHI REDDY
(61) Patent of Addition to Application Number	:NA	2)DHARMENDRA MISRA
Filing Date	:NA	3)MEDABALIMI PETER PAULRAJ
(62) Divisional to Application Number	:NA	4)REMALA NAGA MALLESH
Filing Date	:NA	5)GUNNIYA HARIYANANDAM GUNASEKAR

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

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

The present invention relates to an improved process for the preparation of dalfampridine of formula (I).

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COMPOUND AUGMENTED DOUBLY ENHANCED MICROFIN RECUPERATOR

(51) International classification	:F28F1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. YAGNAVALKYA MUKKAMALA
(32) Priority Date	:NA	Address of Applicant :HOUSE #7/27, A.S.A. NAGAR,
(33) Name of priority country	:NA	BEHIND MILLENIUM PLAZA, VELLORE 632 014 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. YAGNAVALKYA MUKKAMALA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A compound augmented doubly enhanced microfin recuperator system and method. The double pipe heat exchanger is fabricated by brazing a double finned tube into an inner tube. The doubly enhanced test section is preceded by the inner tube which serves as the calming section, and followed by an exit tube. An inlet calming section is designed for supplying fully developed flow into the heat exchanger. The inlet calming section also eliminates any flow instabilities upstream of the test section, and ensures that thoroughly mixed flow enters the heat exchanger. An outer tube of the double pipe heat exchanger is held co-axially with the inner tube, and is brazed at the flange end to prevent any leakage. The inner tube includes a number of integral external fins, and internal, spiral, microgrooves. The internal and external fins are deployed simultaneously when the tube and shell side thermal resistances are of the same order of magnitude. Consequently, such tubes are most useful when either liquids or gases with low thermal conductivity are deployed on the tube and shell sides.

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

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : SYNTHESIS OF PROTEIN HYDROLYSATES THROUGH BACTERIAL EXTRACTION FROM AZOLLA BIOMASS

(51) International classification	:C12P	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TAMIL NADU AGRICULTURAL UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :PROFESSOR AND HEAD,
(33) Name of priority country	:NA	DEPARTMENT OF TRADE AND INTELLECTUAL
(86) International Application No	:NA	PROPERTY, TAMIL NADU AGRICULTURAL UNIVERSITY,
Filing Date	:NA	COIMBATORE 641 003 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)R. MURUGESAN
Filing Date	:NA	2)K. RAJASUNDARI
(62) Divisional to Application Number	:NA	3)A.V. GNANASAMBANDAM
Filing Date	:NA	

#### (57) Abstract:

Protein rich nature of certain photogenic sources makes a substantial replacement of conventional protein rich feeds for farm animals. Azolla is one such phytogenic source that is generally used as nitrogen fixer in paddy field in agriculture. Higher protein content (25-35%) of Azolla is a good source of aminoacids which makes it as an ideal supplementation source in animal nutrition. Microbial deproteinization for the extraction of protein in the form of aminoacids was achieved by fermenting with a proteolytic bacterial culture, Bacillus megaterium PB4. The isolate PB4 produced the maximum protease enzyme activity of 420.5 U ml1. The deproteinization efficiency of 82.15 per cent was obtained for the optimum glucose concentration (3.0%), substrate concentration (5.0%), pH (7.0) and fermentation time (96 hours) during the process. At the end of fermentation, the fermented liquid was filtered as protein hydrolysate with a pH of 5.20. Aminoacid analysis revealed that protein hydrolysate was rich in 7 essential aminoacids and 4 non-essential aminoacids. The effect of protein hydrolysates on the growth and development of bhendi crop plants, broilers, pigs and fishes were studied. It was found that the foliar application performed well over the soil application in bhendi by enhancing the growth parameters like plant height (88.02 cm), root length (68.64 cm), leaf area (676.20 cm2 plant1) and chlorophyll content (2.96 mg g ), yield parameters like fruit length, fruit weight, number of fruits and yield recording 11.82 cm, 9.80 g, 7.84 plant1 and 74.91 g plant1, respectively over control. Protein hydrolysates at 25 per cent as feed supplement to broilers, recorded highest body weight (2708.0 g) which was 585.9 g increase over control at the end of 6 weeks. The organoleptic studies of the broiler meat fed with protein hydrolysates had better quality. The effect of protein hydrolysates as feed supplement to piglets at 50 per cent concentration recorded a maximum weight gain of 4.20 kg over control over a period often weeks. The effect of protein hydrolysates feed supplementation to fingerlings at 10 per cent recorded higher body weight of 6.91 g, which was 20.38% increase over control. Therefore, the microbially synthesized protein hydrolysate from Azolla biomass proves to be an economically viable product which can be recommended for bhendi crop as a growth enhancer and as feed additive for broiler, pigs and fish.

No. of Pages: 27 No. of Claims: 4

(22) Date of filing of Application :05/04/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN IMPACT ENERGY MANAGEMENT YSTEM, SPORTS APPAREL AND METHODS THEREOF

(51) International classification	:A63B71/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANATH REDDY A.
(32) Priority Date	:NA	Address of Applicant :# 1239 32 G Cross 4th T Block
(33) Name of priority country	:NA	Jayanagar Bangalore 560041 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANATH REDDY A.
(87) International Publication No	: NA	2)YERAGUDI JANGAMAREDDY AJAY
(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 impact energy management system. More particularly, relates to an impact energy management system (10). The impact energy management system (10) comprising an outer shell layer (11) made of a predetermined material and having predetermined thickness, and one or more foam layers having predetermined thickness and densities, molded below the outer shell layer (11). The one or more foam layers is configured into an inner foam layer (12) and a middle foam layer (14) such that density of the middle foam layer (14) is higher than that of the inner foam layer (12). The middle foam layer (14) is configured with prerequisite number of cutouts (15) at predetermined locations.

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : A FIXTURE TO FACILITATE IN REMOVAL OF EXCESS MATERIAL FROM T-ROOT OF THE BLADES IN MINIMUM CYCLE TIME

(51) International classification	:B23Q3/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Triveni Turbine Limited
(32) Priority Date	:NA	Address of Applicant :12A Peenya Industrial Area
(33) Name of priority country	:NA	Bangalore. India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Subramanya M
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fixture to facilitate in removal of excess material from T-root of the blades in minimum cycle time is disclosed as shown in figure 8 wherein the problems in the conventional fixture like complexity occupying a lot of space less productivity and requiring a flexible articulated arm to maneuver the tool at the bottom surface of the T-root blade while removing extra material (i.e. difficulty in machining) are eliminated by providing a new fixture. As a result a simple compact fixture with high productivity and that can facilitate in ease of machining is obtained.

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

(19) INDIA

(22) Date of filing of Application :10/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: METHOD AND SYSTEM FOR NAVIGATION

(51) International classification	:G01C21/00	(71)Name of Applicant :
(31) Priority Document No	:EP 11006605.7	1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH Address of Applicant :BECKER-GORING-STRABE 16,
(32) Priority Date	:11/08/2011	76307 KARLSBAD Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)RADNER MARKUS
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	
(FF) A1		·

(21) Application No.3304/CHE/2012 A

#### (57) Abstract:

Method and System for navigation of a vehicle by means of a navigation system having road segments (150, 150, 151, 153) as stored map data comprising the steps: - determining a current road segment (150, 151, 153) and a current position (100) of the vehicle in the current road segment (150,151, 153), - determining an input by a user by means of an input unit (900), - determining a destination (200, 203) in the current road segment (151, 153) or in another road segment (150) of a parallel lane of the current road segment (150), the determining being initiated by the input, and - calculating a route (300, 303) from the current position (100) to the destination (200, 203) without a turn-around maneuver within the current road segment (150, 151, 153).

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

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: PROCESS FOR PREPARING ZIPRASIDONE PHARMACEUTICAL COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K9/00 :NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)MYLAN LABORATORIES LIMITED  Address of Applicant: PLOT NO 564/A/22, ROAD NO 92,  JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh India (72)Name of Inventor:  1)SAH ARTI 2)KAKARIA RITESH B. 3)JAISWAL ASHISH 4)MURTHY, CHETAN RAJASEKHARA 5)CHAKRABORTY, SANTANU 6)DESHMUKH, ABHIJIT MUKUND
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## (57) Abstract:

The invention relates to a novel process for preparing ziprasidone pharmaceutical compositions. More particularly, the invention relates to a process for preparing ziprasidone pharmaceutical compositions by Hot-Melt extrusion process.

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

(22) Date of filing of Application :23/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SHROUD FOR AN INTERNAL COMBUSTION ENGINE

		(71)Name of Applicant :
(51) International classification	:F01D	1)TVS MOTOR COMPANY LIMITED
(31) Priority Document No	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(32) Priority Date	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)THELAPURATH SUKUMARAN VIPIN
(87) International Publication No	: NA	2)RAJAMANI PARTHIBAN
(61) Patent of Addition to Application Number	:NA	3)THIMMI REDDY GARI SREENIVASULU
Filing Date	:NA	4)SUMITH JOSEPH
(62) Divisional to Application Number	:NA	5)KADIRI CHANDRA OBULA REDDY
Filing Date	:NA	6)MOHAN DEORAO UMATE
5		7)BALAKRISHNAN SADESH

#### (57) Abstract:

The present subject matter relates to a detachably attachable shroud for an internal combustion engine with an air deflector and a bent for better, efficient and uniform air cooling of the engine especially cylinder head and cylinder block. The profile of the shroud ensures that the incoming air is optimally utilized and does not get short circuited prematurely.

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

(21) Application No.3620/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : A PROCESS FOR EXTRACTION OF BIO-ACTIVE COMPOUNDS EXHIBITING ANTICANCER PROPERTY FROM LENTINUS TUBERREGIUM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A61K36/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)UNIVERSITY OF MADRAS Address of Applicant: GUINDY CAMPUS, CHENNAI - 600 025 Tamil Nadu India (72)Name of Inventor:
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA : NA :NA :NA :NA	1)VENKATESAN KAVIYARASAN 2)JAGADEESAN MANJUNATHAN

#### (57) Abstract:

The present invention discloses a process for extraction of anticancer property exhibiting bio-active compounds 5a,8a-epidioxy-24£-methylcholesta-6,22-dien-3P-ol (LT-I) and Ergosta-5, 7, 22-trien-3p-ol (LT-II) from Lentinus tuberregium. The process involves drying and pulverizing the fruit bodies and mycelium of Lentinus tuberregium and extracting LT-I and LT-II by shaking the pulverized dried fruit bodies and mycelia with more than one appropriate organic solvent to obtain a suspension. Further the suspension was separated by centrifugation followed by filtration. Then the filtered suspension was dried in vacuum to obtain a crude organic extract. The crude extract along with silica gel is loaded into a column packed with silica gel and LT-II were eluted separately from the column by elution using more than one appropriate organic solvents. The eluted LT-I and LT-II were purified to obtain pure LT-I and LT-II.

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

(21) Application No.3384/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: HERBAL PREPARATION FOR STIMULATION OF HAIR GROWTH, CONTROL OF HAIR FALL, DANDRUFF AND INFECTIONS THEREOF USING AGERATUM SPP.

<ul><li>(51) International classification</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>	:A61K8/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)GENCOR ARMATS BIOTEK PVT LTD  Address of Applicant: NEW NO 50, OLD NO 24, 1ST MAIN ROAD, KALAIMAGAL NAGAR, EKKADUTHANGAL, CHENNAI 600 032 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRABAVATHY VAIYAPURI RAMALINGAM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An herbal preparation for stimulation of hair growth and control of hair fall, dandruff and infections thereof using herbaceous plants, Ageratum spp. At least one compound of plants, Ageratum spp. such as, for example, N,N-bis(trimethylsilyl)-2-phenyl-7-(trifluoromethyl)quinolon-4-amine, 3,4,5,6,7,8-hexamethoxyflavone, Phytol, Precocene, Caryophyllene, Squalene, a-linolenic acid, 9,12-octadecadienoic acid (Z,Z)-, Hexadeconoic acid and Hydrocoumarin can be extracted utilizing a Common Plant Extraction Approach. The extraction of the compounds can be performed utilizing an ethanol solvent and a methanol solvent (i.e., alcoholic solvents) separately and the concentrated materials obtained at both the solvents are pooled together or used independently in order to obtain an herbal extract for simulating the follicles of the hair. The compounds of plants Ageratum spp. in combination with an acceptable carrier or diluent can be further prepared into an herbal extract formulations such as, aqueous (including shampoo), oil or gel for topical application. Such an herbal preparation using plants, Ageratum spp. can be utilized as an efficient hair care solution in a wide range of hair growth related problems of humans in a cost effective manner.

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

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ONE POST SYNTHESIS OF INSECTICIDAL INTERMEDIATES

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(51) International classification	:C07D231/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TAGROS CHEMICALS INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :JHAVER CENTRE, RAJAH
(33) Name of priority country	:NA	ANNAMALAI BUILDING, IVTH FLOOR, 72, MARSHALLS
(86) International Application No	:NA	ROAD,, EGMORE, CHENNAI - 600 008 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAJAIAH SRIKRISHNAN
(61) Patent of Addition to Application Number	:NA	2)S. RAMESH
Filing Date	:NA	3)R. KUPPUSWAMY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to the one pot synthesis of 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl phenyl) pyrazol-4-yl disulfide, which is an important intermediate in the synthesis of Fipronil insecticide

No. of Pages: 7 No. of Claims: 1

(21) Application No.3624/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: EXHAUST GAS RECIRCULATION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02M25/00 :NA :NA	(71)Name of Applicant: 1)TVS MOTOR COMPANY LIMITED Address of Applicant: JAYALAKSHMI ESTATES, NO.29
(33) Name of priority country		(OLD NO.8), HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VENUGOPALAN PATTABIRAMAN
(61) Patent of Addition to Application Number	:NA	2)SIVARAMAN GOPALAKRISHNAN
Filing Date	:NA	3)K. CHANDRU
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present subject matter relates to an exhaust gas recirculation actuation and metering system comprising a vacuum controlled and mechanically operated exhaust gas recirculation valve. The system removes the need to control the exhaust gas recirculation using electronic systems which are expensive and prone to failure.

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

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ANTIMICROBIAL AGENT AND COSMETIC COMPOSITIONS COMPRISING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61K :NA :NA	(71)Name of Applicant: 1)CAVINKARE PVT. LTD. Address of Applicant: CAVIN VILLE, NO. 12, CENOTAPH
(33) Name of priority country	:NA	ROAD, CHENNAI - 600 018 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAO, DR. GOTTUMUKKALA VENKATESWARA
(87) International Publication No	: NA	2)PIRABAKARAN, DR. RAMASAMY
(61) Patent of Addition to Application Number	:NA	3)ANNAMALAI, MR. TIRUGANASAMBANDHAM
Filing Date	:NA	4)KAVITHA, MRS. KANDASWAMY
(62) Divisional to Application Number	:NA	5)MUKHOPADHYAY, DR. TRIPTIKUMAR
Filing Date	:NA	

### (57) Abstract:

Anti-microbial agent comprising selective tetrahydroxybenzene derivatives as an effective anti-microbial active, effective against cosmetically relevant microorganisms, and cosmetic antimicrobial composition comprising the same in effective amounts that is present in combination with or without other skin or hair care benefiting agents. A cost-effective cosmetic or dermopharmaceutical compositions for external applications is provided that is effective as malodour, pimple controlling, oral care active and is preferably an anti-dandruff active especially effective against Malassezia furfur obtained either synthetically/ semi-synthetically or from renewable natural plant sources of Embelia ribes.

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

(21) Application No.3627/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: MAGNETOSTRICTIVE TORQUE SENSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:Japan :NA :NA : NA : NA	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan (72)Name of Inventor:  1)FUJITA, KOUICHI 2)SHIMIZU, YASUO
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A magnetostrictive torque sensor (41) includes a rotational shaft (24) having a magnetostrictive portion formed from a magnetostrictive film (82), excitation coils (85, 85) for exciting the magnetostrictive film (82), detection coils (85, 85) for detecting a magnetic property such as a magnetic permeability of the magnetostrictive film (82) and a magnetic shield (54a) surrounding at least circumferences of the excitation coils (85, 85). The rotational shaft (24) is formed from a magnetic material. The magnetic shield (54a) further surrounds a non-magnetostrictive portion of the rotational shaft (24). The magnetic shield (54a) includes a section corresponding to the excitation coils (85, 85) and having a slit (54as) extending in parallel to a central axis (CL) of the rotational shaft (24).

No. of Pages: 24 No. of Claims: 3

(21) Application No.3043/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : A DEVISE TO DEPLOY RAPIDLY AND COVER STADIUM AND OPEN SPACE TO COLLECT RAINFALL

(51) International classification	:E04H	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PANDURANGA REVANKAR KRISHNA PRASAD
(32) Priority Date	:NA	Address of Applicant :#1826 (UPSTAIRS), 2ND CROSS,
(33) Name of priority country	:NA	SAMPIGE ROAD, MALLESHWARAM, BANGALORE
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PANDURANGA REVANKAR KRISHNA PRASAD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device, system and method to deploy rapidly and cover open space and stadium to collect flash rainfall thereby protect the event from disruption, protect people and objects from rain water, and having ability to manage wind with device comprising of Rain collection strips, support tower cable support arm with strip guide, cable connector on arm, drive for collection strips and control cables, drainage unit, camera and computer. The device having wide scope for use in political meeting, open air theatres, rain sensitive crops like grapes and with the device being low on infrastructure cost, with the above devise protecting people and events which so far has been tolerated quietly by people and organizers of events due to flash rains. Getting correct cover surface shape configuration and profile to manage problem of wind is the solution offered by the invention.

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

(21) Application No.3403/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STABLE POLYMORPH OF 3-ARYL-2-METHYL-PROPANAMINE DERIVATIVES

(51) I do not i'm all allowi'' and an	.007.0	(71)NJ 6 A 19 A
(51) International classification	:C0/C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO: 317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST)
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)PERI SEETHA RAMA SHARMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a stable crystalline form-B of 3-[(1R,2R)-3-(dimethylamino)-l-ethyl-2-methylpropyl] phenol mono hydrochloride compound of formula-la and its process for the preparation. Formula-la

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR FACILITATING COMPATIBILITY BETWEEN MULTILE IMAGE DETECTORS AND IMAGING DEVICE

(51) International classification :G06F19 (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)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A. (72)Name of Inventor: 1)VETRIVEL, VIKRAM 2)SHAH, ANKUR 3)MOHAN, ASHA MARY 4)SINGH, ASHWINI 5)PATIL, PARVATHI 6)RAHUL, NISHANT 7)PANDEY, SUMIT
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#### (57) Abstract:

A system for facilitating compatibility between multiple image detectors and a medical imaging device is disclosed. The system comprises a memory for storing a detector identifier comprising a hardware ID associated with an image detector and firmware ID associated with a software application in the medical imaging device. The firmware ID comprises a plurality of strings. A processor receives a firmware identifier from the image detector and establishes a compatibility of the image detector with the medical imaging device based on the firmware identifier and the detector identifier.

No. of Pages: 27 No. of Claims: 16

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: CONTACTLESS POWER TRANSFER SYSTEM

(51) International classification (31) Priority Document No	:H02J5/00 :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY  A LINE OF A DESCRIPTION OF A DESCRIPTIO
(32) Priority Date (33) Name of priority country		Address of Applicant :1 RIVER ROAD, SCHENECTADY, NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)BOHORI, ADNAN KUTUBUDDIN 2)BHAT, SUM MEMANA NARAYANA
(61) Patent of Addition to Application Number	:NA	3)RAGHUNATHAN, ARUNKUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A contactless power transfer system is provided. The system includes a power exchanging coil configured to exchange power via a magnetic field. The system also includes a field focusing element for focusing the magnetic field. The system further includes a compensation coil having a resonance frequency different from a resonance frequency of the field focusing element for matching an impedance of the contactless power transfer system and compensating a change in phase resulting from a misalignment in the contactless power transfer system.

No. of Pages: 29 No. of Claims: 18

(21) Application No.3643/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: POCKET DRAFTER

(51) International classification	:B43L13/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAMNIVAS P
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, VELAMMAL COLLEGE OF ENGINEERING
(86) International Application No	:NA	AND TECHNOLOGY, MADURAI 625 009 Tamil Nadu India
Filing Date	:NA	2)VELAYUTHAM S
(87) International Publication No	: NA	3)SENTHIL KUMAR G
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMNIVAS P
(62) Divisional to Application Number	:NA	2)VELAYUTHAM S
Filing Date	:NA	3)SENTHIL KUMAR G

### (57) Abstract:

Drafter plays a vital role and it is an essential tool used invariably in almost all branches of technical studies. So far. there is one only type of this instrument is available which is used by the student at present. No new model has been tried ever since. The Pocket Drafter which we have designed is compact and comfortable to carry .Now the burden is reduced in the advent of Pocket Drafter. It is much easier to handle with advanced features. The cost of the production and the cost of the product in the market is lesser .On the whole, the Pocket Drafter will be handy, convenient and cost effect. In future, our Pocket drafter will change scenario in the industrial and technical field .There will lot of scope for the further researchers related to this Product, inviting proposal for yet more advanced version in future.

No. of Pages: 5 No. of Claims: 3

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ROBOT ARM STRUCTURE AND ROBOT

(74) X	D2510/00	
(51) International classification	:B25J9/00	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Thomas Document No	189662	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:31/08/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NOBUYUKI FURUKAWA
(87) International Publication No	: NA	2)TADATAKA NOGUCHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A robot arm structure includes first to third members, a driver, first and second transmission members, and an intermediate member. The second member is rotatably coupled to the first member through a first reducer. The third member is rotatably coupled to the second member through a second reducer. The driver generates driving power. The first transmission member transmits the driving power to an input shaft of the first reducer. The second transmission member transmits the driving power to an input shaft of the second reducer. The intermediate member extends along is rotatable about an axis parallel to an output shaft of the driver. One of the first and second transmission members transmits the driving power to the intermediate member. Another one of the first and second transmission members transmits the driving power transmitted from the one of the first and second transmission members through the intermediate member.

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

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF DIHYDRO INDOLONE COMPOUNDS AND THEIR CYTOTOXICITY

(51) International classification	:C07D401/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NIZAM COLLEGE, OSMANIA UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	NIZAM COLLEGE, OSMANIA UNIVERSITY,
(86) International Application No	:NA	BASHEERBAGH, HYDERABAD - 500 001 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)UMA VURUPUTURI
Filing Date	:NA	2)BHARGAVI KONDAGARI
(62) Divisional to Application Number	:NA	3)SARITA RAJENDER POTLAPALLY
Filing Date	:NA	4)RAMASREE DULAPALLI

#### (57) Abstract:

The present invention is directed to novel synthetic methods for preparing cytotoxic compounds and their derivatives represented by Structural Formula (I). More particularly, the present invention relates to a process for the preparation of the cytotoxic compounds of the formula (I). I wherein Rl and R2 are hydrogen, halogen, lower alkyl (cl-4), lower alkyloxy, (cl-c4), R3 is hydrogen, lower alkyl (cl-c4), R4 is oxo or a group of formula =N-0R5, in which R5 is hydrogen or lower alkyl (cl-c4), or a pharmaceutically acceptable salts, solvates thereof. Said compounds are having cytotoxic properties represent inclusively all of the possible optical and gometrical isomers due to carbon and carbon-nitrogen double bond.

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

(22) Date of filing of Application :13/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SYNTHESIS AND CYTOTOXIC STUDIES OF BARBITURIC ACID DERIVATIVES

(51) International classification	:C07D239/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NIZAM COLLEGE, OSMANIA UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	NIZAM COLLEGE, OSMANIA UNIVERSITY,
(86) International Application No	:NA	BASHEERBAGH, HYDERABAD - 500 001 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)UMA VURUPUTURI
Filing Date	:NA	2)SARITA RAJENDER POTLAPALLY
(62) Divisional to Application Number	:NA	3)BHARGAVI KONDAGARI
Filing Date	:NA	4)VASAVI MALKHED

### (57) Abstract:

Novel barbituric acid derivatives of formula (I) wherein represents a bond or no bond; Gr represents a group of formulae selected from wherein R1 and R2 are independently selected from hydrogen, halogen, hydroxy, lower alkyloxy, lower alkyl (C1-C4), substituted or unsubstituted aryloxy, aralkoxy; heteroaryloxy, heteroaralkoxy, cycloalkyloxy, cycloalkoxy; ii) indole benzenesulphonyl derivative of formula wherein R4, R5, R6 and R7 are independently selected from hydrogen, halogen, hydroxyl, cyano, nitro, amino, amido, thio, C2-C5 lower alkyl, lower alkyloxy, lower alkanoyloxy, lower akanoyl; or its pharmaceutically acceptable salts, solvates, polymorphs, tautomers, optical and geometric isomers thereof, and one or more pharmaceutically acceptable carriers for the treatment of renal cancer.

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

(21) Application No.3676/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: EFFICIENT ELECTRICAL POWER TRANSMISSION CABLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)EKO TECHNOLOGIES LIMITED  Address of Applicant: No. 504 Trendset Towers Road No.2  Banjara Hills Hyderabad-500034 Andhra Pradesh India (72)Name of Inventor:  1)N.S.Chandrasekhar
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### (57) Abstract:

Exemplary embodiment of an electric power transmission cable is disclosed. The electric power transmission cable includes a plurality of flat twisted composite core aluminum alloy conductors enclosed with a taping material comprising a flat conductor profile and a thin insulation to provide a better heat dissipation and a conductor gauge reduction, a transmission cable circuit pattern configured to control an electromagnetic interference of a plurality of electric signals and a design to provide a terminal less connection system, a modularity and a multiplexing.

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

(22) Date of filing of Application :07/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COLD ROLLED SHEET METAL BRAKE SHOES FOR TWO WHEELER

(51) International classification	:F16D65/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)R. MURTHY
(32) Priority Date	:NA	Address of Applicant :3/801, MUGAPPAIR WEST,
(33) Name of priority country	:NA	CHENNAI - 600 037 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)R. MURTHY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a brake shoe, particularly to metal brake shoe for two-wheelers, comprising lining table; web; and brake liner. The web and the lining table are made from cold rolled sheet metal. The lining table is of semicircular shape with end portions protruding and having an outer surface with the brake liner bonded thereto and the web is also semicircular plate attached vertically or perpendicularly to inner surface of the lining table and having protruded end portions. The end portions of the lining table are turned inwardly against end portions of the web, thereby covering the web end portions entirely. The brake shoe of the present invention has less material defects, improved strength and durability, and manufactured using inexpensive material.

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

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

(43) Publication Date: 07/03/2014

# $(54) \ Title \ of the invention: AN \ IMPROVED \ PROCESS \ FOR \ THE \ PREPARATION \ OF 5-CHLORO-N-(\{5S\}-2-OXO-3-[4-(3-OXO-4-MORPHOLINYL)]-1,3-OXAZLIDIN-5-Y1\} METHYL)-2-THIOPHENE \ CARBOXAMIDE$

(51) I do and do and a love (6 and an	.C07D222/00	(71)N 6 A
(51) International classification	:C0/D333/00	(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)MARAM REDDY SAHADEVA REDDY
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 anticoagulant drug i.e, 5-chloro-N-({(5S)-2-oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-1,3-oxazolidin-5-yl} methyl)-2-thiophene carboxamide represented by the following structural formula-1. Formula-1

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

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF ETHYL 3-(3-AMINO-4-(METHYLAMINO)-N-(PYRIDIN-4-YL)BENZAMIDO) PROPANOATE

(51) International classification	·C07D401/00	(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)SURAPARAJU RAGHURAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an improved process for the preparation of ethyl 3-(3-amino-4-(methylamino)-N-(pyridin-4-yl)benzamido)propanoate compound of formula-7, which is a key intermediate in the synthesis of Dabigatran etexilate mesylate compound of formula-la. The present invention also provides salts of Dabigatran etexilate and their polymorphs.

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

(22) Date of filing of Application :07/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : METHOD AND DEVICE FOR OBTAINING PRESSURIZED OXYGEN BY LOW TEMPERATURE SEPARATION OF AIR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F25J3/00 :102011113262.0 :13/09/2011	(71)Name of Applicant: 1)LINDE AKTIENGESELLSCHAFT Address of Applicant: KLOSTERHOFSTR. 1, 80331
(33) Name of priority country	:Germany	MUNCHEN Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TOBIAS, LAUTENSCHLAGER
(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 method and the device serve for obtaining pressurized oxygen by low-temperature separation of air in a distillation column system for nitrogen-oxygen separation that comprises at least one high-pressure column (11) and one low-pressure column (12). The low-pressure column (11) is operated at an operating pressure at the top of at least 1.5 bar. A first feed air stream is purified in a purification device (2) and cooled in a main heat exchanger (5, 6, 7). The cooled first feed air stream (10) is introduced into the high-pressure column (11). An oxygen-rich stream (54, 56, 58) from the low-pressure column (12) is warmed in the main heat exchanger (5, 6, 7). The warmed oxygen stream (57, 59) is obtained as pressurized oxygen product. A nitrogen-rich residual gas stream from the low-pressure column (12) is warmed in the main heat exchanger (5, 6, 7). The residual gas stream (69) warmed in the main heat exchanger (5, 6, 7) is heated in a residual gas heater (72) by indirect heat exchange with a heating medium. The heated residual gas stream (73) is work-producingly expanded in an expansion machine (74). The exit temperature of the residual gas stream from the residual gas heater (72) is less than 250°C, in particular less than 150°C. At least a part (78) of the work-producingly expanded residual gas stream (75) is used as cooling gas in the purification device (2).

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

(22) Date of filing of Application :07/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: STORAGE STRUCTURE OF SADDLE-RIDE TYPE VEHICLE

(21) 2		
(51) International classification	:B62J	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)HONDA MOTOR CO., LTD.
(31) I Hority Document No	199243	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:13/09/2011	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)IIDA, OMI
Filing Date	:NA	2)ANDO, MASAHARU
(87) International Publication No	: NA	3)NAKANO, JUNICHI
(61) Patent of Addition to Application Number	:NA	4)INUI, SHUJIRO
Filing Date	:NA	5)FUJIHARA, KIYOTAKA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Object] In a saddle-ride type vehicle, a mobile terminal is allowed to be easily mounted/dismounted in the vicinity of a meter. The mobile terminal is prevented from falling out. The external appearance does not vary much with the presence/absence of the mobile terminal. [Constitution] In a storage structure of a saddle-ride type vehicle including a mobile-terminal storage portion 90 housing a cellular phone 110 in the vicinity of a meter unit 25 placed forward of a rider, the mobile-terminal storage portion 90 includes an openable access lid 92.

No. of Pages: 61 No. of Claims: 15

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SUSPENSION FOR A SADDLE TYPE VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B60G15/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil Nadu India
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	(72)Name of Inventor: 1)SOLIPURAM RANGANATH REDDY 2)CHANDAN BANSILAL CHAVAN

### (57) Abstract:

A suspension for a rear wheel having a spring locator cum guide is described herein. In an embodiment, the suspension includes a damper, a spring system surrounding the damper with springs arranged in series, a spring locator cum guide locating and guiding the outer surface of springs to keep them axially aligned; and a damper cap extended axially and partially along the length of the said damper, separating the inner surface of the said springs from an outer surface of the damper. The spring locator cum guide performs its functions without consuming the space between the springs and the damper.

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

(22) Date of filing of Application :24/08/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: NAWET - NASCENT ARTIFICIAL WIND ENERGY TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA	(71)Name of Applicant: 1)PRAKASH Address of Applicant:774/B, 7CROSS, TRIVENI ROAD, DIWANARAPALYA, BANGALORE - 560 022 Karnataka India (72)Name of Inventor: 1)ADIKESHAVALU
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Nascent Artificial Wind Energy Turbine is for harvesting nascent/ artificial wind produced by the metro train. Nawet is essentially a combination of WEC (Wind Energy Converter) in tandem with SCC (Solar Concentrating Converter). Nawets planted 3 metres apart forms a wind farm. Savanious type of vertical axis wind mill, on a HIPP axel holds a pair of semi-cylindrical vanes forming aS shaped rotor. A HIPP pipe of large diameter is vertically cut into two halves to form the vanes. The cusps of the vanes are fixed in opposition to take aS shaped rotor of the VAWT. The artificial wind generated by the metro train impacts on the vanes and yields a rotatory motion. Kinetic energy gets conserved into electric energy in a dynamo provided at the knee of the vertical axis below the plane of the rotor. Tracking is avoided since VAWT is a vertical axis device. Permanent magnets, PM, are fixed on the vertical axis below the vanes. An insulated copper coil wound on a form is fixed on the top of the cube circumscribing the PM rosary. A change in magnetic flux induces an e.m.f. in the coil. The electric current is tapped out through a charge regulator and collected in a substation or a kiosk. In the absence of the artificial wind a jet of hot wind from the CPTAH, Compound Parabolic Trough Aero Heater, a solar concentrating appliance, SCC, turns the rotor effectively producing an electric current in the dynamo. CPT avoids the orientation on account of the Suns orbit. A hole at the centre of the bottom base of CPT plus a hole on either sides of the arms of the CPT harvests the rain water, when it rains. The multitasked Nawet is a viable project.

No. of Pages: 15 No. of Claims: 7

(21) Application No.3661/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: HYDRAULIC BAAS ENERGY

(51) International classification :F15B	(71)Name of Applicant :
(31) Priority Document No :NA	1)M. SINDHA
(32) Priority Date :NA	Address of Applicant :GOLDEN PRESS, 1216, CUMBUM
(33) Name of priority country :NA	ROAD, THENI - 625 531, THENI DIST Tamil Nadu India
(86) International Application No :NA	(72)Name of Inventor :
Filing Date :NA	1)M. SINDHA
(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract:

This the output given by the generator is greater than the power given to the Input of the Hydraulic pressure machine.

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

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : SKIN LIGHTENING AGENT AND SKIN LIGHTENING COMPOSITIONS COMPRISING THE SAME

		(71)Name of Applicant:
		1)CAVINKARE PVT. LTD.
(51) International classification	:A61K8/00	Address of Applicant :CAVIN VILLE, NO. 12, CENOTAPH
(31) Priority Document No	:NA	ROAD, CHENNAI - 600 018 Tamil Nadu India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)RAO, DR. GOTTUMUKKALA VENKATESWARA
(86) International Application No	:NA	2)GOPALAKRISHNAN, PROF. MANTHUSAMY
Filing Date	:NA	3)MADHAVI, DR. MACHAVOLU SOUBHAGYA
(87) International Publication No	: NA	LAKSHMI
(61) Patent of Addition to Application Number	:NA	4)ANNAMALAI, MR. TIRUGANASAMBANDHAM
Filing Date	:NA	5)BHAKIARAJ, MR. DURAIRAJ PETER
(62) Divisional to Application Number	:NA	6)ELAVARASAN, MR. SELVAM
Filing Date	:NA	7)CHELLAKILI, MISS. BALASUBRAMANIAN
		8)VASANTHI, MISS. RAMAKRISHNAN
		9)MUKHOPADHYAY, DR. TRIPTIKUMAR
		,

#### (57) Abstract:

Skin lightening agent comprising cis-stilbene derivative as melanin synthesis inhibition and/or dendrite elongation inhibition active and cosmetic and dermopharmaceutical compositions comprising the same is disclosed wherein the cis-stilbene derivative is preferably 3,4,3,5-tetramethoxy-cis-stilbene of Formula 1 as melanin synthesis and dendrite elongation inhibiting active.

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

(21) Application No.3738/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : CARRIER ELEMENT FOR CONSTRUCTING A FLOOR OF A RAIL VEHICLE CARRIAGE, FLOOR OF A RAIL VEHICLE CARRIAGE, AND RAIL VEHICLE CARRIAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application Number</li> </ul>	:11181236.8 :14/09/2011 :EPO :NA :NA : NA	(71)Name of Applicant:  1)BOMBARDIER TRANSPORTATION GMBH Address of Applicant:SCHONEBERGER UFER 1, 10785 BERLIN Germany (72)Name of Inventor: 1)BUTTNER, FLORIAN 2)HARNACK, LARS
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Proposed is a carrier element, which can be fixed to a carriage bodyshell of a rail vehicle carriage, for constructing a floor of a rail vehicle carriage. At least two C-shaped profiles (130, 132) which run in the longitudinal direction of the carrier element (100) and which are spaced apart from one another in the transverse direction of the carrier element (100) serve for the fastening of foot brackets of passenger seats. At least one cable duct (120) which is open on one side runs in the longitudinal direction of the carrier element (100) between the C-shaped profiles (130, 132). In the assembled state, the foot brackets are supported on rest surfaces (131) of the C-shaped profiles (130,132).

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

(21) Application No.3507/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: HEAT CURING CHAMBER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C04B28/00 :NA	(71)Name of Applicant: 1)THIAGARAJAR COLLEGE OF ENGINEERING
(32) Priority Date	:NA	Address of Applicant :MADURAI - 625 015 Tamil Nadu
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KRISHNASWAMY KANNAPIRAN
(87) International Publication No	: NA	2)THIRUMALAI SUJATHA
(61) Patent of Addition to Application Number	:NA	3)SOUNDARAPANDIAN NAGAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an expandable heat curing chamber (1) for curing plurality of dimensions of geopolymer concrete elements in a controlled manner. The expandable heat curing chamber comprises of a volume adjustable container which includes a front supporting means (2), a rear supporting means (3), at least two side supporting means (4), bottom supporting means (6) and top covering means (5) and all supporting means combine to form the volume adjustable container. Each of the supporting means can be expandable and retractable on both lateral and longitudinal axis to expand and retract the volume of the container. The container further includes more than one heating means (9) for heating the geopolymer concrete, a control means (11) for collecting the temperature inputs and controlling the temperature of the heating means and a circuit braker to protect the electrical elements inside the container from electrical surge.

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

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF ISOSULFAN BLUE

(51) International classification	:C07C303/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO.2, MAITRIVIHAR,
(33) Name of priority country	:NA	AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AMINUL ISLAM
(87) International Publication No	: NA	2)UTTAM KUMAR RAY
(61) Patent of Addition to Application Number	:NA	3)BOJU SREENIVASULU
Filing Date	:NA	4)MEENAKSHISUNDERAM SIVAKUMARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a process for the preparation of 2-clorobenzaldehyde-5-sulfonic acid (IIIa), by reacting orthochlorobenzaldehyde (II) with a sulfonating agent to produce compound of formula (IIIa), purifying the crude compound of formula (IIIa), and isolating pure compound of formula (IIIa), which is used in the preparation of Isosulfan blue (I). The present invention also provides a process for the purification of Isosulfan Blue (I) by chromatography.

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

(22) Date of filing of Application :30/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : PROCESS AND SYSTEM FRAMEWORK FOR FRANCHISE BASED ENTERPRISE SOCIAL PLATFORM

(51) International classification	:G06Q30/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PRADEEP KUMAR HENGAVALLI
(32) Priority Date	:NA	Address of Applicant :403, 3RD FLOOR, COLONELS NEST,
(33) Name of priority country	:NA	RHENIUS STREET, RICHMOND TOWN, BANGALORE - 58
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PRADEEP KUMAR HENGAVALLI
(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 and system for franchise based enterprise social platform. India is a country of Unity in diversity. The present invention intends to make India amongst those who look at the rules and fiats that choke business spirit in the entire globe and ask if that can be changed starting from India. The franchise based enterprise social platform as a service and software to be provided on a case to case basis. This enterprise social platform also provides a major money spinner to scale up idea activities and many other similar activities globally and thus increase the brand image and the profitability drastically.

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

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SAFETY APPARATUS AND ELEVATOR 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></ul>	:B66B5/00 :11 007 224.6 :06/09/2011 :EPO :NA	(71)Name of Applicant:  1)CEDES AG  Address of Applicant: KANTONSSTRASSE 14, CH-7302  LANDQUART Switzerland (72)Name of Inventor:  1)BEAT DE COI
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	2)TOBIAS LEUTENEGGER 3)DUMENG HERSCHE 4)JURG HEGELBACH

#### (57) Abstract:

The invention proposes a safety apparatus for elevator apparatuses which can move a cab by means of a drive (M), comprising: a first safety circuit (16, 26), which has a closed conduction state and an open conduction state, with an interrupting apparatus (12, 15) for interrupting the drive depending on the conduction state of the first safety circuit, a safety device (14), which comprises at least two sensors (10), which can be switched between at least two switching states depending on the closing state of the elevator door. In order to be able to improve the susceptibility to maintenance, a switching unit (15, 25) is provided which can be switched between at least two switching states by connection to the safety device (14) and is designed to effect the closed and/or open conduction state of the first safety circuit.

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

(19) INDIA

(22) Date of filing of Application :01/10/2012

(21) Application No.4112/CHE/2012 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: SCREW 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></ul>	:2011- 220644 :05/10/2011 :Japan	CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ARIHARA, HIROTOSHI
(87) International Publication No	: NA	2)UEDA, HIROKI
(61) Patent of Addition to Application Number	:NA	3)HONKE, KOICHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a cantilever type motor direct-connected screw compressor which is provided with a vibration control structure capable of directly reducing the vibration of a rotor shaft itself while reducing imbalance force (unbalancing force) during the rotation of the rotor shaft. The screw compressor 1 comprises: a screw rotor 41; a screw casing 12 which houses the screw rotor 41; a motor shaft 7 which is made into an integrated structure with the screw rotor 41, and cantilever-supported beside the screw rotor; and a motor for rotating the motor shaft 7. The screw compressor 1 further comprises a vibration control mechanism unit which includes a plate-like weight 8 arranged so as to be substantially coaxial with the motor shaft 7 in a form such that it collides with a surrounding member or it collides with each other. The natural frequency of the weights 8 is conformed to the natural frequency of the rotor shaft 11.

No. of Pages: 39 No. of Claims: 6

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHODS AND COMPOSITIONS FOR HYPOTENSIVE RESUSCITATION

(54) 7		
(51) International classification	:A61K31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PHARMAZZ, INC.
(32) Priority Date	:NA	Address of Applicant :50 WEST 75TH STREET, SUITE 106,
(33) Name of priority country	:NA	WILLOWBROOK ILLINOIS-60527 U.S.A.
(86) International Application No	:NA	2)MIDWESTERN UNIVERSITY
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANIL GULATI
(61) Patent of Addition to Application Number	:NA	2)MANISH S. LAVHALE
Filing Date	:NA	3)SHRIDHAR V. ANDURKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Methods of treating diseases and conditions wherein an improvement in cardiac output, organ perfusion, or tissue oxygenation are disclosed. The methods include treatments of diseases and conditions, such as hypovolemic shock, with an  $\alpha 2$  adrenergic agent, like centhaquin and centhaquin citrate. The method utilizes an  $\alpha 2$  adrenergic agent administered at low doses with a low volume of resuscitation fluid. Purified centhaquin and centhaquin citrate also are disclosed.

No. of Pages: 54 No. of Claims: 28

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: STABLE DENTIFRICE 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> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CAVINKARE PVT. LTD.  Address of Applicant: CAVIN VILLE, NO. 12, CENOTAPH ROAD, CHENNAI - 600 018 Tamil Nadu India (72)Name of Inventor:  1)PADALA, GANGADHAR
<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)CHOUDHURY, SAROJ KUMAR 3)NARAYANAN, MEENAKSHI

### (57) Abstract:

A stable dentifrice composition favouring improved availability of the actives including potassium ion in the oral cavity from its freely soluble salt form when present in combination with a selective anionic surfactant belonging to the class of long chain olefin sulfonates for effective treatment of dental hypersensitivity. Said Dentifrice composition also beneficially aids in incorporating higher levels of oral care actives and surfactants at orally acceptable levels with or without an orally acceptable vehicle without affecting but retaining the sensorial properties of foaming both in terms of quality and quantity and also without affecting the after taste of said composition.

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

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A PUMPING DEVICE AND THE METHOD TO OPERATE THE PUMPING DEVICE TO PUMP AQUEOUS SOLUTION

(51) International classification	:F04B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(32) Priority Date	:NA	SOLUTIONS LIMITED
(33) Name of priority country	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	2)ROBERT BOSCH GMBH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRADEEP PAULRAJ
(62) Divisional to Application Number	:NA	2)SAMPATH KUMAR P
Filing Date	:NA	3)SURESH KUMARESAN

#### (57) Abstract:

A pumping device (200) to pump an aqueous solution into a dosing module has at least one input port (204) and at least one output port (206). A housing(202) stores aqueous solution that is received through the input port (204) and a movable element (210) mounted on a supporting element(211) moves received aqueous solution towards the output port(206) to deliver into a nozzle of a dosing module, wherein movable element (210) movement is controlled by an external magnet(214). The movement of the magnet(214) is controlled by a cam(212) through a cam follower(208) present in between the cam(212) and the magnet(214).

No. of Pages: 13 No. of Claims: 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: WIPER BLADE 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</li> </ul>	:Republic of Korea :NA :NA : NA :NA :NA	(71)Name of Applicant: 1)KCW CORPORATION Address of Applicant: 400-86, GALSAN-DONG, DALSEO-GU, DAEGU Republic of Korea (72)Name of Inventor: 1)KIM, TAE KYEONG 2)KIM, KWAN HEE 3)AN, JAE HYUCK
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3698/CHE/2012 A

#### (57) Abstract:

Disclosed is a wiper blade assembly for a vehicle. The present invention relates to a wiper blade assembly, and more particularly to a wiper blade assembly which can prevent lifting and chattering of a wiper blade in order to perform stable wiping when the vehicle is driven at a high speed. Further, the present invention provides a wiper blade assembly including an adaptor part which can be coupled with various wiper arms.

No. of Pages: 59 No. of Claims: 28

(22) Date of filing of Application :03/11/2011 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL PROCESS FOR THE PREPARATION OF ASENAPINE MALEATE

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MATRIX LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAMA, SHANKAR
(61) Patent of Addition to Application Number	:NA	2)GORANTLA, SRIKANTH SARAT CHANDRA
Filing Date	:NA	3)VAKITI, SRINIVAS
(62) Divisional to Application Number	:NA	4)INUPAKUTIKA, VENKATA BALA KISHORE SARMA
Filing Date	:NA	5)ANUPATI, RAJA REDDY

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

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

The present invention relates to novel process for the preparation of Asenapine or its pharmaceutically acceptable salts.

(22) Date of filing of Application :05/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INFORMATION PROCESSING APPARATUS COMMUNICATING WITH EXTERNAL DEVICE VIA NETWORK, AND INFORMATION PROCESSING METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:2011- 227926 :17/10/2011 :Japan :NA :NA :NA	(71)Name of Applicant:  1)CANON KABUSHIKI KAISHA Address of Applicant: 30-2, SHIMOMARUKO 3-CHOME, OHTA-KU, TOKYO Japan (72)Name of Inventor: 1)TANJI, MASAMICHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An object of the present invention is to more appropriately filter a packet from an external device. This object is achieved by: obtaining address information of the external device from the packet; judging whether or not the address information of the external device has been registered as filter information; extracting, when it is judged that the address information has not been registered, device discrimination information of the external device; judging whether or not address information having the same device discrimination information as the extracted device discrimination information has been registered as the filter information; and registering, when it is judged that the address information having the same device discrimination information has been registered, the address information of the external device as the filter information.

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

(22) Date of filing of Application :03/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS OF GENERATING A TEXTBOX WIDGET FROM A DIGITAL IMAGE

(51) International classification	:G06F9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)JAIN Harsh
Filing Date	:NA	2)SINGH Roopam
(62) Divisional to Application Number	:NA	3)GHOSH Pavitra Kumar
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method of generating a textbox widget from a digital image in a computing device. In one embodiment, selection of boundary region encompassing a subject in a digital image is received by a computing device via an user interface. The pixel area in the digital image corresponding to the selected boundary region is converted into a textbox widget. When the text input is received from a user, the text input is processed and text corresponding to the text input is inserted in the textbox widget in such a manner that the text is dynamically contained within the pixel area corresponding to the selected boundary region.

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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : AUTOMATED SYSTEM AND METHOD FOR KNOWLEDGE TRANSFER, END USER SUPPORT AND PERFORMANCE TRACKING DURING A LIFE CYCLE OF ENTERPRISE APPLICATIONS

(51) International classification	:G06Q10/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAVI RAMAMURTHY
(32) Priority Date	:NA	Address of Applicant :230 6th A main HRBR 2nd Block
(33) Name of priority country	:NA	Kalyan Nagar Bangalore 560043 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAVI RAMAMURTHY
(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 automated system and method for knowledge transfer, end user support and performance tracking during a life cycle of an enterprise application are disclosed. In one embodiment, knowledge information associated with the enterprise application is captured. Further, a simulated enterprise application is created based on the captured knowledge information. In addition, the end users are allowed to use the simulated enterprise application and actual performance of the simulated enterprise application is tracked.

No. of Pages: 35 No. of Claims: 29

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A PROCESS FOR THE PREPARATION OF BIS-(1(2)H-TETRAZOL-5-YL)-AMINE MONOHYDRATE

(51) International classification	:C07D257/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Hygro Chemicals Pharmtek Pvt. Ltd
(32) Priority Date	:NA	Address of Applicant :Plot.No.15 Sri Krishna nagar Colony
(33) Name of priority country	:NA	Picket Secunderabad-500009 Andhra Pradesh India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Devi Sarangapani Iyengar
(87) International Publication No	: NA	2)Dr. Anil Saikia
(61) Patent of Addition to Application Number	:NA	3)Dr. Bhimireddy Nagireddy
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A process for the preparation of Bis-(l(2)H-tetrazol-5-yl)-amine monohydrate. This preparation process is carried out by the reaction between sodium dicynamide and sodium azide in presence of a dilute solution of an inorganic acid solution in aqueous medium.

No. of Pages: 6 No. of Claims: 4

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: PORTABLE MICROMACHINING APPARATUS

		(71)Name of Applicant:
(51) International classification	:B23Q1/00	1)V.E. ANNAMALAI
(31) Priority Document No	:NA	Address of Applicant :PROFESSOR & HEAD,
(32) Priority Date	:NA	DEPARTMENT OF MECHANICAL ENGINEERING, SSN
(33) Name of priority country	:NA	COLLEGE OF ENGINEERING, RAJIV GANDHI SALAI,
(86) International Application No	:NA	KALAVAKKAM - 603 110 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)V.E. ANNAMALAI
(61) Patent of Addition to Application Number	:NA	2)K. ELANGOVAN
Filing Date	:NA	3)R. SESHADRI
(62) Divisional to Application Number	:NA	4)NAVEEN I
Filing Date	:NA	5)SHARAN SRINIVASAN
-		6)M. VISWASUBRAHMANYAM

#### (57) Abstract:

In the current manufacturing scenario, advances in the field of micro-level machining have improved significantly, leading to more effective and robust machine designs. At the same time heavy machine portability is being seen as a major area of concern, particularly in the case of mobile research centers and industrial sampling, wherein small machine components have to be cleaned and machined accurately on-the-spot. The portable micro machining apparatus is a device that facilitates cutting accurate contours on the surface using a single point cutting tool that reciprocates. The machine is equipped with a modified scotch-yoke mechanism, to convert rotary action into reciprocatory motion. The mechanism has been enhanced by providing a radial countersunk to permit variations in stroke length. Machining accuracy dealt with is in the order of 10 microns, with minimal opportunity for error. The permissible work dimensions for the job have been designed to a cuboid of upper surface (20x50) mm2 giving a depth of cut of up to 7mm. The maximum stroke length achievable is 60mm. This machine has been modeled primarily for the purpose of portability, keeping in mind the size constraints. By utilizing this portable device fast and easy surface machining can be carried out, as and when required, eliminating the necessity for large bulky machinery.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4221/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMAGE PROCESSING APPARATUS AND DETERMINATION METHOD

(51) International classification	:H04N1/00	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)CANON KABUSHIKI KAISHA
(31) Thority Document No	232115	Address of Applicant :30-2, SHIMOMARUKO 3-CHOME,
(32) Priority Date	:21/10/2011	OHTA-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TETSUYA SUWA
Filing Date	:NA	2)MINAKO KATO
(87) International Publication No	: NA	3)YUGO MOCHIZUKI
(61) Patent of Addition to Application Number	:NA	4)TAKASHI NAKAMURA
Filing Date	:NA	5)MASAO KATO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A signal value representing at least one of a plurality of types of optical characteristics are calculated for each pixel from the read signal obtained and output by reading light reflected by a document placed on a document table and a document table cover while the document is covered with the cover. It is determined, based on the signal value calculated, whether or not a target pixel is a pixel in a document region. A document region is detected from the determination result.

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

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A METHOD AND APPARATUS FOR HIGH TEMPERATURE GLAZING USING MICROWAVE HEATING

(51) International classification	:C04B41/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CARBORUNDUM UNIVERSAL LIMITED
(32) Priority Date	:NA	Address of Applicant :PARRY HOUSE, 6TH FLOOR, 43
(33) Name of priority country	:NA	MOORE STREET, CHENNAI - 600 001 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANTANU MANDAL
(87) International Publication No	: NA	2)SUMAN B. IYER
(61) Patent of Addition to Application Number	:NA	3)RITENDU GANGULY
Filing Date	:NA	4)KARTHIK RAJ S.P.
(62) Divisional to Application Number	:NA	5)SHYAM S. RAO
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method and apparatus for high temperature microwave glazing to obtain highly dense, pore-free and impervious surface layer in a significantly shorter time. A glaze-forming composition is applied on a work piece and indirect heating can be done by first absorbing the microwaves in a susceptor material kept close to the work piece up to temperatures above 800°C at which the work piece also starts absorbing microwaves. Subsequently, the work piece is self-heated and is exposed to the different stages of the firing of the glaze with the highest soaking temperature being in the range 1000 to 1500°C, and with the reduction in overall heating time as compared to conventional heating cycle. The microwave-fired glazed surface shows comparable or better properties in terms of surface roughness, porosity or defect density.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/09/2012

(21) Application No.3633/CHE/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: A HUMAN POWERED 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>	:A63B22/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS Address of Applicant: IIT P.O., CHENNAI - 600 036 Tamil Nadu India (72)Name of Inventor: 1)SANDIPAN BANDYOPADHYAY 2)G SARAVANA KUMAR 3)TARUN MEHTA 4)SWAPNIL JAIN 5)SRI RAM CHARAN CHEPYLALA 6)JAIDEEP BADDURI 7)SAYANTAN BISWAS
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<sup>(57)</sup> Abstract:

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

The present invention relates to a human powered device.

(21) Application No.3634/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A POINT ABSORBER APPARATUS FOR WAVE ENERGY EXTRACTION

(51) International classification	:F03B13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY MADRAS
(32) Priority Date	:NA	Address of Applicant :IIT P.O., CHENNAI - 600 036 Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ABDUS SAMAD
(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

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

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

The present invention relates to a point absorber apparatus for wave energy extraction.

(22) Date of filing of Application :09/10/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: FLEXIBLE SHAFT COUPLING

Filing Date :NA  (62) Divisional to Application Number :NA Filing Date :NA	<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:2011- 225471 :13/10/2011 :Japan :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)KYUSYU HASEC CO., LTD.  Address of Applicant:1677-14, KAMISHINNYU, NOOGATA-SHI, FUKUOKA, 822-0033 Japan (72)Name of Inventor:  1)MIYAKAWA, TETSUYA
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#### (57) Abstract:

Provided is a flexible shaft coupling having functions of absorbing axial displacement, damping vibration, and alleviating impact. The flexible shaft coupling includes: a first hub (10) which includes a cylindrical first hub body (11) having a distal end portion provided with a flange (15); a second hub (20) which includes a cylindrical second hub body (21) having a distal end portion provided with a flange (25), and a plurality of spring compression protrusions (27) projected rearward at intervals in a joint circumferential direction; a spring holder (30) which is fixed to a front surface of the first hub (10); and a plurality of pairs (50) of leaf springs (51) each including a convexly curved central portion. An annular spring holder body (31) of the spring holder (30) includes a plurality of pairs of spring retaining grooves (37) provided on an inside thereof at intervals in a joint circumferential direction so as to be opposed in a joint radial direction. The cylindrical second hub body (21) is housed with a clearance in the annular spring holder body (31) while passing through the annular spring holder body (31). Both end portions (55) of each of the plurality of pairs (50) of leaf springs (51) are inserted in corresponding one of the plurality of pairs of spring retaining grooves (37) in a manner that back surfaces of both the end portions (55) are slidable against each other.

No. of Pages: 66 No. of Claims: 8

(22) Date of filing of Application :09/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FALL PLATE ARRANGEMENT OF A WARP KNITTING MACHINE

(51) International classification	:D04B23/00	(71)Name of Applicant:
(31) Priority Document No	:12 004	1)KARL MAYER TEXTILMASCHINENFABRIK GMBH
(31) I Hority Document No	790.7	Address of Applicant :BRUHLSTRASSE 25, 63179
(32) Priority Date	:27/07/2012	OBERTSHAUSEN Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)KRAUS, GEORG
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 fall plate arrangement (1) of a warp knitting machine is provided, comprising a fall plate (2), which extends parallel to a displacement direction (3), and a fall plate drive (7), which drives the fall plate (2) in a movement direction (4) perpendicular to the displacement direction (3). It is desired to be able to drive the fall plate without undue complexity and to make high operating speeds possible. For this purpose, it is provided that the fall plate drive (7) comprises a drive element (5) which can be moved in the displacement direction and which acts on the fall plate via a deflection arrangement (8-10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3577/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BLADE FOR FARM EQUIPMENTS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)VARADHARAJAN PONNUDURAI
(32) Priority Date	:NA	Address of Applicant :17-A, DR. RADHAKRISHNAN
(33) Name of priority country	:NA	STREET, CHINTHAMANIPUDUR (POST), COIMBATORE -
(86) International Application No	:NA	641 103 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VARADHARAJAN PONNUDURAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The blade for farming comprises a horizontal plate having a horizontal tilling edge and a vertical plate having a vertical tilling edge such that the tilling edges are formed at the side of the blades. The horizontal plate and vertical plate are formed with a curve radius. The horizontal tiling edge and the vertical tilling edges are constructed such that the vertical tilling edge form an inclination angle and the inclination angle (y) is predetermined with respect to the size of the blade tip and blade length. The horizontal plate and the vertical plate are formed from a single plate or by joining two separate plates.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : OIL SUMP WITH BENT PIPE ACTING AS OIL RESERVOIR FOR THE OIL DRAIN LINE OF OIL SEPARATOR

<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>	:F01M11/00 :NA :NA :NA	(71)Name of Applicant:  1)ASHOK LEYLAND LIMITED  Address of Applicant: NO.1, SARDAR PATEL ROAD, GUINDY, CHENNAI - 600 032 Tamil Nadu India
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	(72)Name of Inventor:  1)SATYAVISHNU. H  2)PREMNATH. D
<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)KRISHNAN SADAGOPAN

#### (57) Abstract:

The oil sump assembly is provided with an oil sump and an oil separator having fluid communication with the oil sump. The oil drain hole from the oil separator is placed above the engine oil level in the oil sump. A bent pipe assembled with the oil sump to accommodate the oil drained from the oil separator to the oil sump. The bent pipe elevates the oil separator oil drain hole such that the bent pipe prevents the turbulent engine oil being splashed into the oil drain hole. The bent pipe maintains a separate oil column within the oil sump, for eliminating the crankcase blow-by gases entering through the oil drain hole. The bent pipe reduces oil splashing from the sump to oil separator and also prevents entry of blow by gases through the drain line.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SECONDARY AIR INTAKE SYSTEM FOR A SADDLE TYPE VEHICLE

(51) International classification	:F02M35/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES, 29, (OLD
(33) Name of priority country	:NA	NO.8) HADDOWS ROAD, CHENNAI - 600 006 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAHUL SHARMA
(61) Patent of Addition to Application Number	:NA	2)VIGNESHWARA RAJA KESAVAN
Filing Date	:NA	3)PRASHANSA SATAPATHY
(62) Divisional to Application Number	:NA	4)B. SAMPOORNANANDA
Filing Date	:NA	5)CHITHAMBARAM SUBRAMONIAM

### (57) Abstract:

The present subject matter relates to a secondary air intake system comprising a reed valve, a secondary air injection valve and an air filter wherein a secondary air intake conduit connects the secondary air intake system to a continuously variable transmission unit of the vehicle. The secondary air intake system increases the flow rate of secondary air for better efficiency and is independent of the cooling centrifugal fan used for forced cooling of an internal combustion engine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3801/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ROTATING ELECTRICAL MACHINE

(31) Priority Document No :2011- 239601	7/00 (71)Name of Applicant:  1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant:2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-0004 Japan (72)Name of Inventor: 1)TAKEHIRO INOKUCHI
--------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

A rotating electrical machine includes: a main shaft; a journal bearing for supporting the main shaft in the radial direction; a thrust bearing for supporting the main shaft in the thrust direction; a frame for supporting the main shaft via the journal bearing and the thrust bearing; and a cooling liquid passage for thrust bearing through which a cooling liquid for cooling the thrust bearing flows. According to this rotating electrical machine, the thrust bearings can be efficiently cooled. Accordingly, it is possible to suppress an adverse effect caused by heat generation in advance and to avoid shortening a service life due to heat.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: METHOD AND SYSTEM FOR CREATING HISTORY MATCHED SIMULATION MODELS

(51) Intermedianal alassification	·C06C7/49	(71)N
(51) International classification	:G06G7/48	(71)Name of Applicant:
(31) Priority Document No	:61/304,001	1)EXXONMOBIL UPSTREAM RESEARCH COMPANY
(32) Priority Date	:12/02/2010	Address of Applicant :P.O. BOX 2189, CORP-URC-SW342,
(33) Name of priority country	:U.S.A.	HOUSTON, TEXAS 77252-2189 U.S.A.
(86) International Application No	:PCT/US2010/056725	(72)Name of Inventor:
Filing Date	:15/11/2010	1)DAVID STERN
(87) International Publication No	:WO 2011/100009 A1	2)ADEDAYO S. OYERINDE
(61) Patent of Addition to Application	:NA	3)ISHA SAHNI
Number		4)GANESAN S. SUBRAMANIAN
Filing Date	:NA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for matching production history to flow simulations includes identifying a plurality of pa-rameters that control an objective function measuring the mismatch between a flow simulation response in a parameter subspace and a production history. A value is calculated for an objective function and for a static measure- ment at each of a plurality of experiments in the parameter subspace. These results are used to develop a mathematical relationship between one or more static measurements and the objective function. During subsequent adjustment of the simulation model, a target window in the objective function is identified, and flow simulations are performed for each modified model that is predicted from the static geologic measurement to produce an objective function within the window. An objective function of each flow simulation to the production history is calculated and the procedure is iterated until the objective function is within . a target range.

No. of Pages: 65 No. of Claims: 20

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CONTEXT ADAPTIVE BINARY ARITHMETIC ENCODING/DECODING ON VERY LONG INSTRUCTION WORD ARCHITECTURES

(51) International classification	:G06F9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SQUID DESIGN SYSTEMS PVT LTD
(32) Priority Date	:NA	Address of Applicant :404, PNR-SSV COMPLEX, DR. A.S.
(33) Name of priority country	:NA	RAO NAGAR, HYDERABAD - 500 062 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)P V SURESH BABU
(87) International Publication No	: NA	2)SATYANARAYANA UPPALAPATI
(61) Patent of Addition to Application Number	:NA	3)VABBALAREDDY GOVINDA SIVA PRASAD
Filing Date	:NA	4)KISHOR SIMMA
(62) Divisional to Application Number	:NA	5)VINEETH KUMAR PARUCHURI
Filing Date	:NA	6)SUNITHA BHOOSHANAM

#### (57) Abstract:

A context-adaptive binary arithmetic coding method for decoding and encoding bit streams in a very long instruction word architecture (VLIW) is disclosed. The method of decoding bit streams is performed in seven cycles by utilizing a set of instructions which includes a look up table instruction for decoding a bin, a subtraction with status update instruction, a normalization instruction to normalize the input data, a bit extraction instruction to extract bits from a plurality of input registers and a get bits from bit stream buffer instruction. The method of encoding bit streams is performed in six cycles by utilizing a look up table instruction for encoding a bin, a re-normalization instruction to update the plurality of global variables during the re-normalization process and a reset instruction is performed in common to both the methods of decoding and encoding a bin to reset the instruction set.

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

(22) Date of filing of Application :04/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AIR LEAKAGE DETECTION METHOD IN AIR JET LOOM

:2011- 223648	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Address of Applicant: 2-1, TOYODA-CHO, KARIYA-SHI, AICHI-KEN Japan (72)Name of Inventor: 1)YOICHI MAKINO 2)INAMURA, TAKAHIRO
:NA	
:NA	
:NA	
:NA	
	:2011- 223648 :11/10/2011 :Japan :NA :NA :NA : NA :NA

#### (57) Abstract:

Compressed air supplied to an air jet loom has an initial pressure, a main pressure and a sub-pressure. An air leakage detection method in the air jet loom is characterized by the steps of setting a set pattern of reduction of at least one of the initial pressure, the main pressure and the sub-pressure of the compressed air when no air leakage occurs in the air jet loom, stopping operation of the air jet loom, stopping the supply of the compressed air to the air jet loom, measuring an actual measurement pattern of reduction of at least one of the initial pressure, the main pressure and the sub-pressure of the compressed air, comparing the actual measurement pattern with the set pattern, and determining that air leakage occurs in the air jet loom if the actual measurement pattern differs from the set pattern.

No. of Pages: 33 No. of Claims: 6

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : DIMENSIONALLY STABLE NONWOVEN FIBROUS WEBS, MELT BLOWN FINE FIBERS, AND METHODS OF MAKING AND USING THE SAME

		(71)Name of Applicant:
(51) International classification	:D04H1/00	1)3M INNOVATIVE PROPERTIES COMPANY
(31) Priority Document No	:61/287,697	Address of Applicant :3M CENTER, POST OFFICE BOX
(32) Priority Date	:17/12/2009	33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2010/060951	1)MOORE, ERIC M.
Filing Date	:17/12/2010	2)STELTER, JOHN, D.
(87) International Publication No	:WO 2011/075619 A1	3)BERRIGAN, MICHAEL R.
(61) Patent of Addition to Application	:NA	4)PORBENI, FRANCIS E.
Number	:NA	5)SCHOLZ, MATTHEW T.
Filing Date	.IVA	6)LANDGREBE, KEVIN, D.
(62) Divisional to Application Number	:NA	7)KARLS, KOREY, W.
Filing Date	:NA	8)FENNESSEY, SIAN F.
		9)JENNEN, JAY, M.

### (57) Abstract:

Dimensionally stable nonwoven fibrous webs include a multiplicity of continuous fibers formed from one or more thermoplastic polyesters and polypropylene in an amount greater than 0% and no more than 10% by weight of the web. The webs have at least one dimension which decreases by no greater than 10% in the plane of the web when heated to a temperature above a glass transition temperature of the fibers. A spunbond process may be used to produce substantially continuous fibers that exhibit molecular orientation. A meltblown process may be used to produce discontinuous fibers that do not exhibit molecular orientation. In some embodiments, the fibers comprise a viscosity modifier and/or an anionic surfactant. The webs may be used as articles for filtration, sound absorption, thermal insulation, surface cleaning, cellular growth support, drug delivery, personal hygiene, medical apparel, or wound dressing.

No. of Pages: 122 No. of Claims: 19

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : A DEVICE FOR DISPLAYING BOTH CRITICAL AND NON-CRITICAL INFORMATION, AND AN AIRCRAFT INCORPORATING SUCH A DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G01C23/00 :0905782 :01/12/2009 :France :PCT/EP2010/007143 :25/11/2010 :WO 2011/066920 A1 :NA :NA	(71)Name of Applicant:  1)SAGEM DEFENSE SECURITE  Address of Applicant: LE PONANT DE PARIS, 27 RUE  LEBLANC, F-75015 PARIS France (72)Name of Inventor:  1)GUILLOT, FRANCOIS 2)PIERSON, JEROME 3)COPPEE, PASCAL 4)VANDENBAVIERE, YANN
Number Filing Date (62) Divisional to Application Number	:NA :NA	4)VANDENBAVIERE, YANN
Filing Date	:NA	

#### (57) Abstract:

An information display device (2) comprising a first processor unit (6.1) and a second processor unit (6.2) that are connected to at least one information source (3, 4, 5), the first processor unit also being connected to a display (7) and to the second processor unit, the first processor unit and the second processor unit each including a computer (9.1, 9.2) and a memory (11.1, 11.2), the computer of the second unit being arranged to construct an image for displaying on the display and to transmit it to the computer of the first processor unit, which is arranged to modify the image by incorporating therein information from the information source, and to transmit the modified image to the display. The invention also provides an aircraft fitted with such a device.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MOBILE DEVICE CONTROLLING OTHER DEVICES ON ACTIVATION OF SNOOZE FUNCTION IN THE MOBILE DEVICE

(51) International classification	:G04G13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(32) Priority Date	:NA	SOLUTIONS LIMITED
(33) Name of priority country	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	2)ROBERT BOSCH GMBH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PAVAN KUMAR DIXIT
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to home automation system. The invention proposes a mobile device which controls other devices connected as part of home automation system. The mobile device comprises an input means, an out put means, a timer, an alarm function, a snooze function and a communication means. When the user activates a snooze function when the alarm goes off in the mobile device, the mobile device sends a first command to a secondary device connected in the home automation systems. The first command may be to switch on the secondary device. When the alarm goes off next time and the user switches off the alarm, the mobile device sends a second command to the secondary device. The secondary command may be to switch off the secondary device.

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

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

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

(51) International classification	:C07D231/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COROMANDEL INTERNATIONAL LIMITED
(32) Priority Date	:NA	Address of Applicant :COROMANDEL HOUSE, SARDAR
(33) Name of priority country	:NA	PATEL ROAD, SECUNDERABAD - 500 003 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR TARUN KUMAR BANERJEE
(61) Patent of Addition to Application Number	:NA	2)DR VILAS LAXMAN KHUSPE
Filing Date	:NA	3)DR. SOHIT PIYUSHBHAI RAJVAIDYA
(62) Divisional to Application Number	:NA	4)VASANI KESHAV GUNVANTBHAI
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a process of sulfinylation of heterocyclic compounds to prepare sulfinyl heterocyclic compounds with high degree of purity. The process comprises of adding a compound of the formula RS(0)X to a reaction mixture containing heterocyclic compound, tosyl acid and an secondary amine for a period of 10-15 minutes at a temperature of 15-20°C in the presence of SO2 atmosphere. Then the reaction is maintained for a period of 16 hours at the temperature of 24-25°C. After the period of 16 hours the reaction mixture is neutralized with a base followed by filtration to obtain the precipitated sulfinyl heterocyclic compound.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3584/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NOVEL N-2-(9H-FLUORENYL)-AMINO ACID DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C07D :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)DR. S.NARASIMHAN Address of Applicant: ASTHAGIRI HERBAL RESEARCH FOUNDATION 14/1, II MAIN ROAD, JAYA NAGAR, TAMBARAM SANATORIUM CHENNAI - 47 Tamil Nadu India (72)Name of Inventor:
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)DR. S.NARASIMHAN 2)KIRITHIVASAN VENKATESAN

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

The present invention relates to the novel N-substituted amino acid fluorenyl derivatives, the process for their preparation and their uses.

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

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

### (54) Title of the invention: PREDICTIVE CONTROL AND VISUALIZING SYSTEM FOR A NC MACHINE TOOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:G05B19/4069 :TO2010A000683 :06/08/2010 :Italy	(71)Name of Applicant:  1)FIDIA S.P.A.  Address of Applicant:CORSO LOMBARDIA 11, ZONA INDUSTRIALE PESCARITO, I-10099, SAN MAURO
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/IB2011/053512 :05/08/2011 :WO 2012/017419 A1 :NA :NA	TORINESE (TORINO) Italy (72)Name of Inventor: 1)MORFINO, GIUSEPPE 2)FRANCESE, CARLA 3)VESCO, MARIO 4)GHEZZO, EDOARDO
Filing Date	:NA	

#### (57) Abstract:

The system performs control and virtual display (1) for a machine tool (NI) which comprises a tool-holder (2) for a tool (T), a carrier (3) for a workpiece (W) to be machined by means of the tool (T), and a plurality of actuator devices (Al AN) which can be controlled by means of associated drivers (Dl DN) in order to bring about controlled relative displacements between the tool (T) and the workpiece (W) along respective axes. The control system (1) comprises: a numerical controller(NC) which is connected to the drivers (Dl,..., DN) and is suitable for implementing a machining program that is predetermined according to the features of the workpiece (W) to be produced and the features of the tool (T); the numerical controller (NC) is suitable for calculating, on the basis of the machining program, target coordinates defining positions of the tool (T) along the axes, which positions are to be reached by the activation of the associated actuator devices (Al, AN); image display means (ID); and a processing system (P) which is incorporated hi and/or connected to the numerical controller (NC) in order to receive the calculated target coordinate values, and which is arranged to generate, on the basis of the target coordinates and of stored mathematical models of the machine (M), of the workpiece and of the tool, image data suitable llw producing on the image display means (ID) a predictive, virtual, two-dimensional representation of the positions adopted by the workpiece (W) and by the tool (T) up to a preselected future moment.

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

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CHECKPOINT-BASED HIGH AVAILABILITY WITH NETWORK PACKET BUFFERING IN HARDWARE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/181,740	(71)Name of Applicant:  1)INTERNATIONAL BUSINESS MACHINES CORPORATION  Address of Applicant: New Orchard Road Armonk New York 10504 United States of America. (72)Name of Inventor:  1)Geraint North
Filing Date	:NA	

#### (57) Abstract:

A method system and computer program product enhances resource/process availability by providing hardware based buffering of network packets during checkpointing in a virtualized environment. A High Availability Checkpoint (HAC) utility pre-configures a physical network adapter to buffer outgoing network packets from virtual machines that employ checkpointing technology. In response to receiving an outgoing network packet from a virtual machine and determining that virtual machine employs pre-specified checkpointing technology the physical network adapter buffers outgoing network packet. In addition a primary host performs/facilitates checkpoint operations (associated with the virtual machine) with a secondary host. When checkpoint operations are successfully completed HAC utility triggers transmission of the buffered network packets from network adapter to a network destination. The physical network adapter minimizes checkpointing network latency by pre-assigning higher priority to a buffered network packet from checkpointing virtual machine than to a new network packet that originates from non-checkpointing virtual machine

No. of Pages: 31 No. of Claims: 7

(22) Date of filing of Application :29/05/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PRE-PROVISIONING VIRTUAL MACHINES IN A NETWORKED COMPUTING ENVIRONMENT

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:13/181,646	1)INTERNATIONAL BUSINESS MACHINES
(32) Priority Date	:13/07/2011	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :New Orchard Road Armonk New
(86) International Application No	:NA	York 10504 United States of America.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Gregory Jensen Boss
(61) Patent of Addition to Application Number	:NA	2)Christopher William Roach
Filing Date	:NA	3)Jason Lionel Anderson
(62) Divisional to Application Number	:NA	4)Jeffrey Layton Coveyduc
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the invention provide an approach for pre-provisioning cloud computing resources such as virtual machines (VMs) in order to achieve faster and more consistent provisioning times. Embodiments of the invention describe an approach to generate pre-provisioned pool of virtual machines that are utilized when one or more consumers start to initiate large volume of requests. In a typical embodiment selection of an operating system to be associated with a VM is received in a computer data structure. Provisioning of VM will then be initiated based on selection of the operating system. Thereafter at least one selection of at least one software program to be associated with the VM will be received in the computer data structure. The provisioning of the VM is completed based on at least one selection of at least one software program in response to a provisioning request received in computer data structure.

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

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 07/03/2014

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED  Address of Applicant: Bagmane Lakeview Block B No. 66/1 Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore 560093 Karnataka India (72)Name of Inventor:  1)RAJU Sandeep 2)GADDE Raj Narayana 3)KIM Do-Hyung 4)SON ChangYong 5)LEE Kangeun
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#### (57) Abstract:

The present invention provides a method and apparatus for processing audio data. In one embodiment, when an encoded audio bitstream sampled at a sampling frequency is received, a resampling ratio for processing the encoded audio bitstream is computed. If the the resampling ratio is within the resampling threshold range, then the encoded audio bitstream is processed in frequency domain and a desired number of audio samples per frame are outputted according to the resampling ratio. The encoded audio bitstream is processed in frequency domain using sample rate converter integrated into a filter bank of an audio decoder. If the resampling ratio is outside the resampling threshold range, then the encoded audio bitstream is processed in time domain and a desired number of audio samples per frame are outputted according to the resampling ratio.

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

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : COMPOSITIONS AND METHODS FOR THE TREATMENT OF ANGIOGENESIS-RELATED EYE DISEASES

(51) International classification	:C07K14/00,	(71)Name of Applicant:
(31) International classification	A61K38/16	1)NATIONAL CHENG KUNG UNIVERSITY
(31) Priority Document No	:61/289,624	Address of Applicant :NO. 1 UNIVERSITY ROAD, TAINAN
(32) Priority Date	:23/12/2009	CITY 701 Taiwan
(33) Name of priority country	:U.S.A.	2)NATIONAL TAIWAN UNIVERSITY
(86) International Application No	:PCT/US2010/061738	3)TWI BIOTECHNOLOGY, INC.
Filing Date	:22/12/2010	4)DCB-USA LLC
(87) International Publication No	:WO 2011/079175 A1	(72)Name of Inventor:
(61) Patent of Addition to Application	.NI A	1)CHUANG, WOEI-JER
Number	:NA	2)FU, WEN-MEI
Filing Date	:NA	3)HUANG, YEN-LUN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (57) Abstract:

The invention generally relates to compositions and methods of treatment and/or prevention of angiogenesis-related eye diseases using low doses of rhodostomin variants, and in particular, low doses of a fusion protein comprising a rhodostomm variant, wherein the rhodostonun variant is conjugated with a variant of Human Serum Albumin (HSA) where the cysteine residue at position 34 of the HSA amino acid sequence has been replaced with serine.

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

(22) Date of filing of Application :07/01/2011 (43) Publication Date : 07/03/2014

### (54) Title of the invention: A FUEL INJECTION SYSTEM AND METHOD OF INJECTING FUEL

<ul><li>(51) International classification</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)V. VAISHNAV  Address of Applicant: NEW NO.31, OLD NO.15, GROUND FLOOR,1ST CROSS STREET, DR. RADHAKRISHNAN NAGAR, THIRUVANMIYUR, CHENNAI - 600 041 Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)V. VAISHNAV
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system for generating and injecting oxy hydrogen in an inlet manifold of an engine is provided wherein the system comprises an engine associated with an intake manifold through which the engine receives fuel and air. A drive train associated with the engine through which the power from the engine is transmitted to wheels of the vehicle. A control unit associated with the engine and the drive train which dynamically monitors and controls the locomotive condition of the fuel injection system based on the parameters provided by a sensor module connected to the control unit. An energy bank associated with the drive train and the control unit and the energy bank powers an oxy hydrogen electrolytic cell wherein the energy bank acquires kinetic energy from the drive train during braking of the locomotive vehicle and stores the energy in it and powers the oxy hydrogen electrolytic cell to let the oxy hydrogen electrolytic cell undergo electrolysis such that the hydrogen generated during electrolysis is fed to the intake manifold of the engine to enhance firing in the engine thereby letting the engine burn the hydrogen injected in the intake manifold and a method of generating and injecting oxy hydrogen in a fuel injection system for locomotive vehicle is provided wherein the method comprising the steps of: converting the kinetic energy of the locomotive vehicle into electrical energy by letting the kinetic energy to charge a battery; letting the charged battery to make water in a tank to undergo electrolysis by applying the voltage of the charged battery on to the water in a tank; allowing the oxy hydrogen generated out of electrolysis to enter an inlet manifold of an engine; and allowing the oxy hydrogen to burn in the engine along with a primary fuel to enhance the combustion characteristics of the engine along with its primary fuel.

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

(22) Date of filing of Application :28/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : DOUBLE VACUUM PUMP APPARATUS, GAS PURIFICATION SYSTEM PROVIDED WITH DOUBLE VACUUM PUMP APPARATUS, AND EXHAUST GAS VIBRATION SUPPRESSING DEVICE IN DOUBLE VACUUM PUMP 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>	:F04B37/16 :2009-291796 :24/12/2009 :Japan :PCT/JP2010/073091 :22/12/2010 :WO 2011/078207 A1 :NA	(71)Name of Applicant:  1)SUMITOMO SEIKA CHEMICALS CO., LTD. Address of Applicant: 346-1, MIYANISHI, HARIMA-CHO, KAKO-GU N, HYOGO 675-0145 Japan (72)Name of Inventor: 1)HARUNA, KAZUO 2)MARUTA, KIYOKAZU 3)KUWATA, HIDENORI 4)SHIMA, KOICHI
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A double vacuum pump apparatus (Y2) includes positive displacement vacuum pumps (40A, 40B) and lines (52, 60). Each of the vacuum pumps includes a suction port (41) and a discharge port (42), and a pressure detector (80) is provided in the vicinity of the suction port (41) of the double vacuum pump apparatus (Y2). The line (52) connects the discharge port (42) of the vacuum pump (40A) to the suction port (41) of the vacuum pump (40B). The line (60) has an end (E6) and an end (E5) that are connected to the connection line (52), and includes a buffer tube (Z1) and an on-off valve (61) located between the tube (Z1) and the end (E5). A pressure detection signal from the pressure detector (80) is used as an on/off signal for the on-off valve (61).

No. of Pages: 73 No. of Claims: 17

(22) Date of filing of Application :28/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : THERMOSTABLE XYLANASE FOR THE SELECTIVE HYDROLYSIS OF PENTOSE-CONTAINING POLYSACCHARIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:C07K14/195 :09180210.8 :21/12/2009 :EPO :PCT/EP210/069736 :15/12/2010 :WO 2011/080078 A3 :NA :NA :NA	(71)Name of Applicant:  1)SUD-CHEMIE AG Address of Applicant:LENBACHPLATZ 6, 80333  MUNCHEN Germany (72)Name of Inventor:  1)KOHL, ANDREAS 2)UNTERSTRASSER, ISABEL 3)RARBACH, MARKUS 4)KOLTERMANN, ANDRE 5)REISINGER, CHRISTOPH 6)BRUCK, THOMAS 7)KETTLING, ULRICH 8)HREGGVIDSSON, GUDMUNDUR OIL 9)FRIDJONSSON, OLAFUR HEDINN
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#### (57) Abstract:

The present invention relates to polypeptides having xyanase activity and nucleic acid sequences encoding such polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the nucleic acid constructs as well as methods for producing and using the polypeptides. One specific application of the xylanase is the selective hydrolysis of pentose sugar components of hemicelluiose-containing plant biomass. The nucleotide sequence may be used for the production of the xylanase or optimized mutants thereof

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

(21) Application No.1155/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :20/05/2009 (43) Publication Date : 07/03/2014

## (54) Title of the invention: A ADHESIVE COMPOSITION FOR FLOCKING THE FIBER ONTO THE CLEARER ROLLER

(51) International classification	:D01G	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SIMTA CLEAR COATS PVT LTD
(32) Priority Date	:NA	Address of Applicant :3/1-C, NEAR RVS HOSTEL, SULUR,
(33) Name of priority country	:NA	COIMBATORE -641 402. Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)C.P.GANESH
(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 flocking adhesive composition of the present invention is useful in the textile industry. The flocking adhesive is applied on the outer surface of the hollow base body of the clearer roller to flock fibre materials so as to make a flocked clearer roller.

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

(21) Application No.1550/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: NARAYAN'S U TRACK ELECTRICITY GENERATOR SYSTEM (NU-TEGS)

(51) International classification	:H02K7/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)G.A. NARAYAN
(32) Priority Date	:NA	Address of Applicant :2/1474, OLD NO. 6, 5TH STREET,
(33) Name of priority country	:NA	RAJARAJESHWARI NAGAR, MADIPAKKAM, CHENNAI -
(86) International Application No	:NA	600 091 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)G.A. NARAYAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system for generating electricity based on Gravitational force, consisting of: a. A set of two parallel tracks curved like the alphabet U b. A vehicle carrying an electricity generator, and able to move to and fro on the curve shaped track between two ends of the tracks c. A Spring - Assisted Shock - Absorbing Thruster Mechanism to give enough momentum to the vehicle to reach from one end to the other end of the track d. A Magneto - Coil device attached to the vehicle to produce electricity

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

(22) Date of filing of Application :22/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: BUSINESS OUTCOME TRADEOFF SIMULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:61/510,992 :22/07/2011 :U.S.A. :NA :NA	(71)Name of Applicant:  1)Accenture Global Services Limited   Address of Applicant: 3 Grand Canal Plaza Grand Canal Street Upper Dublin 4 IRELAND (72)Name of Inventor:  1)PERRY William P.
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA :NA :NA :NA	
Filing Date	:NA	

### (57) Abstract:

Methods systems and apparatus for selecting a forecastability strategy from among a group of forecastability strategies based on business outcomes. A group of predefined forecastability strategies is received along with historical supply chain management data. Each forecastability strategy represents a set of rules by which to determine whether each item of a plurality of items within a supply chain management system is to be managed using statistical forecasting. The historical supply chain management data represents past events in a supply chain associated with at least two items selected from the plurality of items within the supply chain management system. Each of the forecastability strategies is applied to the historical data in order to generate business outcomes for each of the forecastability strategies. A forecastability strategy is selected based on the business outcomes and implemented to manage each of the items within the supply chain management system.

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

(22) Date of filing of Application :25/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: REFRIGERATOR HAVING FOOD SPOILAGE DETECTING DEVICE

(51) International classification	:F25D29/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LG SOFT INDIA PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :EMBASSY TECH SQUARE,
(33) Name of priority country	:NA	MARATHAHALLI, SARJAPUR OUTER RING ROAD,
(86) International Application No	:NA	BANGALORE 560 103 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. NAVEEN KUMAR JAIN
(61) Patent of Addition to Application Number	:NA	2)MR. INDERPAL SINGH
Filing Date	:NA	3)MR. ABHISHEK SHARMA
(62) Divisional to Application Number	:NA	4)MR. ASHISH KAUL
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a refrigerator and more particularly to a refrigerator having a device for detection of different levels of food spoilage and indicating the shelf life of food commodities stored therein. The food spoilage detecting device comprises: a Sensor (300) mounted inside the refrigerator for detecting the concentration of at least one of the gases released upon decomposition of the food; a plurality of Indicator means, each representing a spoilage level for the food items based on the concentration of the gases detected by the Sensor (300); a Microcontroller (100) for controlling the other components of the food spoilage detecting device; and, a Linear Power Supply (200) for supplying power to the components of the food spoilage detecting device.

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

(21) Application No.5659/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SNAP ASSEMBLY DECOUPLED FLOAT VAPOR VENT APPARATUS

(51) International classification	:F02M37/20	(71)Name of Applicant:
(31) Priority Document No	:12/630,538	1)FEDERAL-MOGUL CORPORATION
(32) Priority Date	:03/12/2009	Address of Applicant :26555 NORTHWESTERN
(33) Name of priority country	:U.S.A.	HIGHWAY, SOUTHFIELD, MI 48033 U.S.A.
(86) International Application No	:PCT/US2010/057182	(72)Name of Inventor:
Filing Date	:18/11/2010	1)ACHOR, KYLE
(87) International Publication No	:WO 2011/068686 A1	2)HAYES, JERRY
(61) Patent of Addition to Application	:NA	3)RICHARDS, MICHAEL
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

This invention relates generally to a vapor vent system for an internal combustion engine such as an outboard marine fuel injected engine. The vapor vent system includes a snap assembly decoupled float vapor vent in order to vent vapors from the vapor separator. The snap assembly design reduces costs, vibration and assembly requirements.

No. of Pages: 14 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :26/06/2012

(21) Application No.5593/CHENP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: LIMITED ECHELETTE LENS, SYSTEMS AND METHODS

:A61F2/16 :61/288,255 :18/12/2009 :U.S.A. :PCT/US2010/061042 :17/12/2010 :WO 2011/075651 A1 :NA :NA	(71)Name of Applicant:  1)ABBOTT MEDICAL OPTICS INC. Address of Applicant: 1700 E. ST. ANDREW PLACE, SANTA ANA-CA 92705 U.S.A. (72)Name of Inventor: 1)WEEBER, HENDRIK, A.
:NA :NA	
	:61/288,255 :18/12/2009 :U.S.A. :PCT/US2010/061042 :17/12/2010 :WO 2011/075651 A1 :NA :NA

### (57) Abstract:

Systems and methods for providing enhanced image quality across a wide and extended range of foci encompass vision treatment techniques and ophthalmic lenses such as contact lenses and intraocular lenses (IOLs). Exemplary IOL optics can include a circular surface structure (210) with limited adjacent echelettes (230) which act as a diffractive or phase shifting profile.

No. of Pages: 31 No. of Claims: 15

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention : NOVEL 7 $\beta$ -HYDROXYSTEROID DEHYDROGENASES AND THEIR 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> </ul>	:30/11/2010 :WO 2011/064404 A1 :NA :NA	(71)Name of Applicant:  1)PHARMAZELL GMBH  Address of Applicant:ROSENHEIMER STR. 43, D-83064, RAUBLING Germany (72)Name of Inventor:  1)LIU, LUO  2)SCHMID, ROLF  3)AIGNER, ARNO
1 (01110 01		

### (57) Abstract:

The invention relates to novel y  $\beta$ -hydroxysteroid dehydrogenases which are obtainable from bacteria of the genus Collinsella, especially of the strain Collinsella aerofaciens, to the sequences encoding said enzymes, to methods for producing said enzymes and to their use in the enzymatic conversion of cholic acid compounds, and especially in the production of ursodeoxycholic acid (UDCS). The invention also relates to novel methods for the synthesis UDCS.

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

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: COMPACT WASTEWATER CONCENTRATOR AND CONTAMINANT SCRUBBER

(51) International classification	:C02F1/16, C02F5/02, C02F1/20	(71)Name of Applicant: 1)HEARTLAND TECHNOLOGY PARTNERS LLC
(31) Priority Document No	:12/705462	Address of Applicant :9870 Big Bend Blvd. P.O. Box 220842
(32) Priority Date	:12/02/2010	Kirkwood MO 63122 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/021811	1)DUESEL Bernard F. Jr.
Filing Date	:20/01/2011	2)RUTSCH Michael J.
(87) International Publication No	:WO 2011/100096	3)CLERKIN Craig
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A compact and portable liquid concentrator and contaminant scrubber includes a gas inlet a gas exit and a flow corridor connecting the gas inlet and the gas exit wherein the flow corridor includes a narrowed portion that accelerates the gas through the flow corridor. A liquid inlet injects liquid into the gas stream at a point prior to the narrowed portion so that the gas liquid mixture is thoroughly mixed within the flow corridor causing a portion of the liquid to be evaporated. A demister or fluid scrubber downstream of the narrowed portion removes entrained liquid droplets from the gas stream and re circulates the removed liquid to the liquid inlet through a re circulating circuit. A reagent may be mixed with the liquid to react with contaminants in the liquid.

No. of Pages: 42 No. of Claims: 20

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ANTENNA ASSEMBLY AND PORTABLE WIRELESS TERMINAL

	:H01Q1/38,	(71)Name of Applicant:
(51) International classification	H01Q1/24,	1)SHARP KABUSHIKI KAISHA
	H01Q21/28	Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi
(31) Priority Document No	:2010039289	Osaka 5458522 Japan
(32) Priority Date	:24/02/2010	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)KURAMOTO Mikio
(86) International Application No	:PCT/JP2011/053866	2)TAKEBE Hiroyuki
Filing Date	:22/02/2011	3)SUETAKE Hiroyasu
(87) International Publication No	:WO 2011/105381	4)KONDO Toshinori
(61) Patent of Addition to Application	:NA	5)HIKINO Nozomu
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/==		

### (57) Abstract:

Disclosed is an antenna assembly (110) provided with an antenna base (115) and antenna elements (111 to 113) formed on a surface of the antenna base (115) wherein the antenna base (115) comprises a connection surface (115b) provided with connection ends (111b to 113b) which are ends of the antenna elements (111 to 113) on the sides connecting to a wireless circuit and a through hole (106) penetrating from the connection surface (115b) to another surface (115a) wherein at least one antenna element for example an antenna element(112) is formed to pass through the through hole(106).

No. of Pages: 74 No. of Claims: 10

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: IMAGE ENCODING DEVICE IMAGE DECODING DEVICE AND DATA STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:27/12/2010 :WO 2011/104993 :NA :NA	(71)Name of Applicant:  1)SHARP KABUSHIKI KAISHA  Address of Applicant: 22 22 Nagaike cho Abeno ku Osaka shi Osaka 5458522 Japan (72)Name of Inventor:  1)YAMAMOTO Tomoyuki
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is an image encoding device which includes; a first prediction parameter determination unit (53) which selects from a basic set prediction parameters for each prediction unit belonging to a first group; a second prediction parameter determination unit (55) which selects prediction parameters for each prediction unit belonging to a second group from a reduced set that comprises prediction parameters numbering fewer than the prediction parameters included in the basic set and that includes at least some of the prediction parameters selected by the first prediction parameter determination unit (53); and a prediction parameter encoding unit (243) which encodes whether the first prediction parameter determination unit (53) selected any prediction parameters and whether the second prediction parameter determination unit (55) selected any prediction parameters.

No. of Pages: 151 No. of Claims: 19

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

(43) Publication Date: 07/03/2014

## (54) Title of the invention: HOUSING ASSEMBLY OF A WIPER SYSTEM WITH A SCREW CONNECTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B60S1/04 :10 2006 058 741.3 :12/12/2006 :Germany	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART Germany
(86) International Application No	:PCT/EP2007/061069	(72)Name of Inventor:
Filing Date	:17/10/2007	1)KRAUS, ACHIM
(87) International Publication No	:WO 2008/071488 A1	
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

### (57) Abstract:

The invention relates to a housing assembly of a wiper system of a motor vehicle, with a housing fixed to at least a fastening section (4) of a mounting pipe (3) by means of at least one screw connection (16) passing through the mounting pipe (3), and consisting of a wiper motor and/or a wiper gear mechanism, wherein a space (A) is provided in the fastening section (4) between a first inside wall section (24) of a first wall section (6) of the mounting pipe (3) whereby the wall section (6) is facing the housing (2), and a second inside section (5) of an oppositely located second wall section (10). It is provided according to the invention that a screw connection (16) is disposed in such a manner that it exerts a pressing force on the first inside wall section (24) in the direction of housing (2).

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

(21) Application No.4177/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ROBOT AND ROBOT INSTALLATION METHOD

(51) I	D25115/00	
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:2011-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Thomas Bocament 110	277454	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:19/12/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NOBUYUKI FURUKAWA
(87) International Publication No	: NA	2)YUUKI OHARA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A robot includes a base unit hoisted up from below a bottom surface portion of a chamber defining a work space and connected to the bottom surface portion of the chamber. The robot further includes an arm unit carried into the chamber from above the chamber and connected to an upper portion of the base unit connected to the bottom surface portion of the chamber.

No. of Pages: 41 No. of Claims: 5

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ANTIBODIES AGAINST HUMAN CSF 1R AND USES THEREOF

(51) International classification	:C07K16/28, A61P35/00, A61P37/00	(71)Name of Applicant:  1)F. HOFFMANN LA ROCHE AG  Address of Applicant: Gronzacher Strasso 124 CH 4070 Resel
<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	A61P3//00 :10002268.0 :05/03/2010 :EPO :PCT/EP2011/053214 :03/03/2011 :WO 2011/107553 :NA :NA	Address of Applicant :Grenzacher Strasse 124 CH 4070 Basel Switzerland (72)Name of Inventor: 1)FERTIG Georg 2)FIDLER Alexander 3)KALUZA Klaus 4)THOMAS Marlene 5)RIES Carola 6)SEEBER Stefan
		1

## (57) Abstract:

The present invention relates to antibodies against human CSF 1R (CSF 1R antibody) methods for their production pharmaceutical compositions containing said antibodies and uses thereof.

No. of Pages: 79 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :03/09/2012

(21) Application No.7592/CHENP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: MEDICATED MODULE WITH TIME LOCK

(51) International classification	:A61M5/28, A61M5/32,	(71)Name of Applicant:  1)SANOFI AVENTIS DEUTSCHLAND GMBH Address of Applicant Pri/mingstress 50 65020 Front fort
(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	A61M5/24 :61/301700 :05/02/2010 :U.S.A. :PCT/EP2011/051401 :01/02/2011 :WO 2011/095483 :NA :NA	Address of Applicant :Br <sup>1</sup> / <sub>4</sub> ningstrae 50 65929 Frankfurt Germany (72)Name of Inventor : 1)BOYD Malcolm Stanley 2)DAVIES James Alexander 3)WALLACE Andrew Gordon
Filing Date	:NA	

## (57) Abstract:

A medicated module (4) for an injection system to co deliver at least two medicaments is disclosed where a primary delivery device (7) containing a primary medicament accepts a medicated module (4) containing a single dose of a second medicament (2) and where both medicaments are delivered through a single hollow needle (3). The medicated module (4) contains a time lock feature to prevent further use after a predetermined time elapses. The medicated module (4) can also contain a rotary valve (19) operably connected to a retractable needle shield (16) that locks after a predetermined time elapses.

No. of Pages: 47 No. of Claims: 17

(21) Application No.7597/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHODS AND APPARATUS TO SIGNAL ACCESS STRATUM CAPABILITIES OF MOBILE STATIONS FOR DATA TRANSFER SESSIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:H04W8/22 :10290104.8 :03/03/2010 :EPO :PCT/IB2011/050862 :01/03/2011 :WO 2011/107934 :NA :NA :NA	(71)Name of Applicant:  1)RESEARCH IN MOTION LIMITED  Address of Applicant: 295 Phillip Street Waterloo Ontario N2L 3W8 Canada (72)Name of Inventor:  1)FAURIE Rene 2)HOLE David Philip 3)KREUZER Werner
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### (57) Abstract:

Example methods and apparatus to signal access stratum capabilities of mobile stations for data transfer sessions are disclosed. In accordance with a disclosed example method a capabilities structure is selected from a group of capabilities structures. The capabilities structure is indicative of a set of radio access capabilities of the mobile station for a data transfer session between the mobile station and a network. A structural format of the message is formatted based on the selected capabilities structure to include radio access capabilities information of the selected capabilities structure. A code is included in the message to indicate the presence of the selected capabilities structure in the message. The message is sent from the mobile station to the network.

No. of Pages: 62 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :04/05/2012

(21) Application No.3999/CHENP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: HEPATITIS C VIRUS 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</li> <li>Filing Date</li> </ul>	:C07D209/54 :61/260,115 :11/11/2009 :U.S.A. :PCT/US2010/055045 :02/11/2010 :WO 2011/059850 A1 :NA :NA	3)PATEL, BHARAT, P. 4)NATALIE, JR., KENNETH, J.
(61) Patent of Addition to Application	:NA	3)PATEL, BHARAT, P.
(62) Divisional to Application Number Filing Date	:NA :NA	

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

The present disclosure relates to methods for making compounds useful in the treatment of Hepatitis C virus (HCV) infection.

No. of Pages: 533 No. of Claims: 14

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD FOR SEALING PUMP-OUT HOLE OF VACUUM GLASS, SEALING STRUCTURE AND SEALING 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>	:C03C27/08 :200910250137.1 :27/11/2009 :China :PCT/CN2010/078278 :01/11/2010 :WO 2011/063701 A1 :NA	(71)Name of Applicant:  1)LUOYANG LANDGLASS TECHNOLOGY CO., LTD. Address of Applicant:NO.2, PEONY ROAD, LUOLONG SCIENTIFIC & TECHNOLOGIC PARK, LUOLONG DISTRICT, LUOYANG, HENAN 471000 China (72)Name of Inventor: 1)LI, YANBING 2)WANG, ZHANGSHENG
` '		

### (57) Abstract:

A method for sealing the pump-out hole of vacuum glass comprises: first preparing metal layer which is bonded with the glass plate at the outside surface of the glass plate around the pump-out hole; and air-tightly welding the sealing element and the metal layer around the pump-out hole by metal brazing technology after pumping. A structure and a device for sealing the pump-out hole of vacuum glass are also provided. The method can seal the pump-out hole reliably and firmly; the sealing structure is stable and has long service life; the welding between the sealing element and the metal layer can be completed instantly and the properties of the glass materials will not be affected.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREFOR

(51) International classification	:H01L25/04	(71)Name of Applicant :
(31) Priority Document No	:2010-020493	1)SHARP KABUSHIKI KAISHA
(32) Priority Date	:01/02/2010	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
(33) Name of priority country	:Japan	OSAKA-SHI, OSAKA 545-8522 Japan
(86) International Application No	:PCT/JP2010/007032	(72)Name of Inventor:
Filing Date	:02/12/2010	1)KAZUHIDE TOMIYASU
(87) International Publication No	:WO 2011/092781	2)YUTAKA TAKAFUJI
(67) International I dolleation 140	A1	3)YASUMORI FUKUSHIMA
(61) Patent of Addition to Application	:NA	4)KENSHI TADA
Number	:NA	5)SHIN MATSUMOTO
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A semiconductor device (130) including: a bonding substrate (100); a thin film element (80) formed on the bonding substrate (100); and a semiconductor element (90a) bonded to the bonding substrate (100), the semiconductor element including a semiconductor element main body (50) and a plurality of underlying layers (51-54) stacked on a side of the semiconductor element main body facing the bonding substrate (100), and each of the underlying layers including an insulating layer and a circuit pattern on the insulating layer, wherein the underlying layer (54) closest to the bonding substrate (100) includes an extended section (E) formed by extending the circuit pattern toward the thin film element (80), a resin layer (120) is provided between the thin film element (80) and the semiconductor element (90a), and the thin film element (80) is connected to the semiconductor element main body (50) via a connection line (121a) provided on the resin layer (120), the extended section (E), and the circuit patterns.

No. of Pages: 74 No. of Claims: 8

(21) Application No.5670/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: FILM FOR BACKSIDE SEALING SHEET OF SOLAR CELL

(51) International classification	:H01L31/042	(71)Name of Applicant:
(31) Priority Document No	:2009-275264	1)TORAY INDUSTRIES, INC.
(32) Priority Date	:03/12/2009	Address of Applicant :1-1, NIHONBASHI-MUROMACHI 2-
(33) Name of priority country	:Japan	CHOME, CHUO-KU, TOKYO 103-8666 Japan
(86) International Application No	:PCT/JP2010/070960	(72)Name of Inventor:
Filing Date	:25/11/2010	1)KAMEDA, SHUNSUKE
(87) International Publication No	:WO 2011/068067	2)ARAI, TAKASHI
(67) International Lubileation (10)	A1	3)HIROTA, KUSATO
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The film for a backside sealing sheet of a solar cell according to the present invention comprises a base film with at least one of its surfaces being laminated with a resin layer containing a resin produced through copolymerization of an acrylic polyol resin with an ultraviolet absorbent and/or a light stabilizer, along with a conductive material and a coloring pigment, wherein the conductive material accounts for 5 to 20 mass% of the total mass of the resin layer, and the resin layer has a surface resistivity of 1.0 x 10 to 10 Q/square. The present invention provides a film for a backside sealing sheet of a solar cell excellent in partial discharge voltage, which is an index representing the light resistance and electrical insulation.

No. of Pages: 33 No. of Claims: 9

(22) Date of filing of Application :03/09/2012 (43)

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHODS AND APPARATUS TO INDICATE SPACE REQUIREMENTS FOR COMMUNICATING CAPABILITIES OF A DEVICE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:10290108.9 :03/03/2010 :EPO	(71)Name of Applicant:  1)RESEARCH IN MOTION LIMITED  Address of Applicant: 295 Phillip Street Waterloo Ontario N2L 3W8 Canada (72)Name of Inventor:  1)FAURIE Rene 2)HOLE David Philip 3)KREUZER Werner
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### (57) Abstract:

Example methods and apparatus to indicate space requirements for communicating capabilities of a device are disclosed. In accordance with a disclosed example method a request is sent to a network to request a quantity of blocks to be allocated for use by a mobile station. The quantity of blocks is determined based on a data size to identify radio access capabilities of the mobile station. An allocation of the quantity of blocks is received from the network. Radio access capability information of the mobile station is sent via the allocated blocks.

No. of Pages: 61 No. of Claims: 15

(22) Date of filing of Application :23/05/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: A PORTABLE MAGNETIC MOSQUITO FRAME CUM NET CAPABLE OF REASSEMBLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	:A47C29/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)ANTONY IGNATIUS Address of Applicant: NO. 8, V.O.C. STREET ROCK VIEW, GOLDEN ROCK TIRUCHI - 4 Tamil Nadu India (72)Name of Inventor: 1)ANTONY IGNATIUS
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A mosquito frame cum net is made with a foldable rectangular tube frame supported on vertical legs and a nylon net of appropriate size is removably covered on the frame. The frame tubes are coupled to vertical tubes with magnetic joints and the nylon net is provided with a frill around its bottom. The tubes of rectangular frame are equipped with a foldable joint and a stopper at the mid portion. The vertical supporting tubes are provided with elbows for the purpose of joining to the frame tubes. The vertical tubes are provided with rubber bushes at the bottom. The frame tubes are provided with a projection and a magnet for coupling to the elbow wherein corresponding groove and iron ring are provided. The net is provided with zip fasteners with inside / outside hooks to facilitate a person to come out easily. The tubes are made of plastic or fibre. The net is made of nylon and the like material. In another option, a trigger button device is provided for securing the frame to the elbow.

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

(21) Application No.3130/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DC CIRCUIT EARTH FAULT LOCATOR

(51) International classification :H0 (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	A Address of Applicant :NO 89 EAST PARK ROAD, MALLESWARAM, BANGALORE - 560 003 Karnataka India (72)Name of Inventor : 1)M.K. SRINIVASAN
Filing Date :NA	

## (57) Abstract:

A method and system for detecting faults in feeder cables in an ungrounded direct current power control system is disclosed. The system comprises a transmitter unit to transmit the test signal across the feeders in the station, a non- intrusive probe connected at one or more locations on the feeders for sensing the return signal and a receiver unit for identifying the fault and the location of the fault by further analysis of the return signal.

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

(21) Application No.3131/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MEASURING THE INDUCTANCE AND RESISTANCE OF EHT AND HT TOWERS USING HIGH FREQUENCY SINE WAVE

(51) International along Continue	.110.4N12./00	(71)Nama of Ameliana
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)M.K. SRINIVASAN
(32) Priority Date	:NA	Address of Applicant :NO 89 EAST PARK ROAD,
(33) Name of priority country	:NA	MALLESWARAM, BANGALORE - 560 003 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)M.K. SRINIVASAN
(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:

Apparatus and methods to measure the inductance and resistance of EHT and HT tower using three peg method is disclosed. From the impedance (Z), resistance (R) and inductance (L) of the earth of the tower is measured.

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

(22) Date of filing of Application :06/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: EXHAUST GAS HEAT RECOVERY MUFFLER

(51) International classification	:F01N1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES, NO. 29,
(33) Name of priority country	:NA	(OLD NO.8), HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MARUDACHALAM KANNAN
(61) Patent of Addition to Application Number	:NA	2)VAMSI KRISHNA BALLA
Filing Date	:NA	3)RAJAGOPAL JEYAPAAL BHAARATH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an exhaust heat gas recovery muffler and is characterized by a heat exchange pipe 200 passing axially through a muffler casing 220. The muffler casing has an inlet 210 at its downstream end 218 and an outlet 230 at its upstream end 219. One end of the heat exchange pipe 200 protrudes outside through the inlet 210 and the other end extends through the outlet 230 and is connected to an intake system 240 of an internal combustion engine 141.

No. of Pages: 15 No. of Claims: 6

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: CREATING AND PROPAGATING ANNOTATED INFORMATION

	:G06F15/16,	(71)Name of Applicant :
(51) International classification	G06F17/21,	1)MICROSOFT CORPORATION
	G06Q50/00	Address of Applicant :One Microsoft Way Redmond
(31) Priority Document No	:12/752074	Washington 98052 6399 U.S.A.
(32) Priority Date	:31/03/2010	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)AGUERA Y ARCAS Blaise H.
(86) International Application No	:PCT/US2011/030548	2)FYNN Scott V.
Filing Date	:30/03/2011	3)MACLAURIN Matthew Bret
(87) International Publication No	:WO 2011/123546	4)BENNETT Eric Paul
(61) Patent of Addition to Application	.NI A	5)COLANDO Christian James
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

## (57) Abstract:

Content may be collected annotated and propagated in a unified process. In one example a mobile device such as a smart phone is used to collect information. The information may be text video audio etc. The information may be sent to a reaction service which may return an annotation of the information. The annotation may be attached to the information to create an annotated document. The annotated document may be communicated to other users. Additionally the annotated document may be stored in a way that associated the annotated document with the user who created or captured the information. The ability to capture information obtain annotations to the information and propagate the annotated information may facilitate the creation of social media such as social network postings or online photo albums.

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

(21) Application No.3551/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: VELOCITY OF LIQUID THROUGH PIPE WITH RESPECT TO SLOPE BY R. VELMURUGAN

(51) International classification	:G01C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)R. VELMURUGAN
(32) Priority Date	:NA	Address of Applicant :146/5, NORTH STREET,
(33) Name of priority country	:NA	SENGAMEDU(VILL) AVINANGUDI(PO), TITTAGUDI(TK),
(86) International Application No	:NA	CUDDALORE(DT), PIN - 606 112 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R. VELMURUGAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Whenever pipe s slope increases with respect to ground, velocity of liquid through the pipe increases velocity of liquid directly proportional to slope of pipe further velocity of liquid is inversely proportional to viscosity of liquid.

No. of Pages: 5 No. of Claims: 2

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AN APPARATUS AND METHOD FOR RESTRICTING VEHICLE FUNCTION

(51) T	G0.6W10./00	7127
(51) International classification	:G06K19/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(32) Priority Date	:NA	SOLUTIONS LIMITED
(33) Name of priority country	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	2)ROBERT BOSCH GMBH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUMIT JAIN
(62) Divisional to Application Number	:NA	2)RAGHAVENDRA SHANBHAG
Filing Date	:NA	

## (57) Abstract:

An in-vehicle apparatus (100) for restricting at least one vehicle function is disclosed, particularly when the vehicle is given to a third party. An in-vehicle apparatus (100) for restricting at least one vehicle function, said apparatus (100) comprising: a switch (10) adapted to switch between a first operative position and a second operative position; a control unit (30) for receiving said operation of said switch (10); and said control unit (30) adapted to communicate with a transponder (20) and an authentication unit (40) to execute an authentication process to restrict at least one vehicle function in dependence of operation of said switch (10) in a first operative position.

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

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR SEALING TEMPERED VACUUM GLASS AND TEMPERED VACUUM GLASS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:C03C27/08 :200910250137.1 :27/11/2009 :China :PCT/CN2010/078241 :29/10/2010 :WO 2011/063698 A1	(72)Name of Inventor : 1)LI, YANBING
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2011/063698 A1 :NA :NA	1)LI, YANBING 2)WANG, ZHANGSHENG
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method for sealing the tempered vacuum glass comprises: first preparing metallized layer bonded with the glass plate on the edge surface of the tempered glass to be sealed by locally heating the metal slurry coating; then air-tightly sealing the edges of two glass plates by using the metal brazing technology, or air-tightly sealing the edges of two glass plates by air-tightly welding the metal sealing sheet between the metallized layers of two glass plates to be sealed. A tempered vacuum glass is also provided. The method makes the sealing part have firm connection, good air tightness and good thermal shock resistance. The sealing structure made of the metal sealing sheet is well compatible with the temperature deformation caused by the temperature difference between the internal and external glass plates of the vacuum glass.

No. of Pages: 20 No. of Claims: 21

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: FIBER OPTIC CABINET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G02B6/44 :NA :NA :NA :PCT/CN2009/001587 :30/12/2009 :WO 2011/079419 A1 :NA :NA :NA	(71)Name of Applicant:  1)3M INNOVATIVE PROPERTIES COMPANY Address of Applicant: 3M CENTER, POST OFFICE BOX 33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A. (72)Name of Inventor: 1)WEI, JIAN 2)CUI, YIFENG 3)XIONG, PEIYOU 4)WANG, YINGYU 5)LU, BIN 6)YU, BIN 7)XU, ZHIYONG 8)PENG, YINGLIANG
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#### (57) Abstract:

The present invention relates to a fiber optic telecommunication cabinet for use in fiber optic telecommunication networks. The fiber optic telecommunication cabinet comprises a base and a housing. The housing defines an internal cavity from an open first end that extends longitudinally to a closed second end. The base is configured for attachment to the open first end of the housing to provide an enclosed configuration. The base has a plurality of ports passing through the base to allow passage telecommunication cables into the fiber optic cabinet. A center support column extends from the base from the base. The fiber optic cabinet includes a plurality of patch panel frames disposed radially around the center support column and a patch cord management plate attached to the center support column above the plurality of patch panel frames.

No. of Pages: 30 No. of Claims: 9

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: ARRAY WITH EXTENDED DYNAMIC RANGE AND ASSOCIATED METHOD

(51) International classification	:G01N33/543, G01N33/558	(71)Name of Applicant: 1)ROBERT BOSCH GMBH
(31) Priority Document No	:12/701712	Address of Applicant :Postfach 30 02 20 D 70442 Stuttgart
(32) Priority Date	:08/02/2010	Germany
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/023863	1)KAVUSI Sam
Filing Date	:07/02/2011	2)LAUPHEIMER Michaela
(87) International Publication No	:WO 2011/097552	3)LANG Christoph
<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 system and method of quantitating the concentration of a molecule of interest in one embodiment includes establishing a plurality of test environments at a plurality of test sites each of the plurality of test environments associated with one of a plurality of response curves each of the plurality of response curves different from the other of the plurality of response curves storing a combined response curve resulting from a summation of the plurality of response curves exposing the plurality of test sites to a sample having a concentration of a molecule of interest obtaining a plurality of quantitation signals each of the plurality of quantitation signals associated with one of the plurality of test sites associating a summation of the plurality of quantitation signals with the stored combined response curve and generating a signal related to the concentration of the molecule of interest based upon the association.

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

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: IMP-3 OLIGOPEPTIDES AND VACCINES INCLUDING THE SAME

(51) International classification	:C12N15/00, C07K7/06	(71)Name of Applicant: 1)ONCOTHERAPY SCIENCE, INC.
(31) Priority Document No	:61/265,657	Address of Applicant :2-1, SAKADO 3-CHOME,
(32) Priority Date	:01/12/2009	TAKATSU-KU, KAWASAKI-SHI, KANAGAWA-213-0012
(33) Name of priority country	:U.S.A.	Japan
(86) International Application No	:PCT/JP2010/006966	(72)Name of Inventor:
Filing Date	:30/11/2010	1)NISHIMURA, YASUHARU
(87) International Publication No	:WO 2011/067920 A1	2)HARAO, MICHIKO 3)TOMITA, YUSUKE
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	4)NAKAMURA, YUSUKE 5)TSUNODA, TAKUYA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Oligopeptides having cytotoxic T cell inducibility and suitable for use in the context of cancer immunotherapy, more particularly cancer vaccines are described herein. Notable examples include oligopeptides having the amino acid sequence of SEQ ID NO: 1,3, 5 or 6, wherein 1, 2, or several amino acids are optionally substituted, deleted, inserted or added so long as they retain the cytotoxic T cell inducibility of the original oligopeptides Pharmaceutical formulations or drugs related to such oligopeptides suitable for treating or preventing cancers or tumors, as well as the post-operative recurrence thereof, are also described.

No. of Pages: 67 No. of Claims: 29

(21) Application No.5589/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD OF MANUFACTURING PACKAGING CONTAINER, SPOUT CLOSURE, AND PACKAGING 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>	:B65B9/10 :2009-272989 :30/11/2009 :Japan :PCT/JP2010/071320 :30/11/2010 :WO 2011/065556 A1 :NA :NA	(71)Name of Applicant:  1)TETRA LAVAL HOLDINGS & FINANCE S.A. Address of Applicant:70, AVENUE GENERAL-GUISAN, CH-1009 PULLY Switzerland (72)Name of Inventor: 1)KANEKO, MASAMICHI
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### (57) Abstract:

Disclosed are a spout stopper with easy open and close operation when being opened or closed, a packaging container, and a pack- A aging container manufacturing method. The spout stopper comprises a spout (10) further comprising a spout tube (5) and base portion (6), formed by injection molding and disposed upon a spout hole (42) of a packaging container that is formed from a webbing laminate packaging material; a sealed partition (9) of the packaging container that is capable of being ruptured; and a cap (11) that covers the spout. The cap is inserted upon the spout tube in a detachable manner, and comprises a bottom partition (9) which is partially fused upon the sealed partition (9) such that the sealed partition (9) is capable of being ruptured by the cap, and a pull ring (27), which is for pulling up on the cap (11).

No. of Pages: 25 No. of Claims: 8

(19) INDIA

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

(21) Application No.7616/CHENP/2012 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: CEMENT ACCELERATOR

	:C04B28/06,	(71)Name of Applicant :
(51) International classification	C04B28/16,	1)Construction Research & Technology GmbH
	C04B24/32	Address of Applicant :Dr. Albert Frank Str. 32 83308
(31) Priority Document No	:10155940.9	Trostberg Germany
(32) Priority Date	:09/03/2010	(72)Name of Inventor:
(33) Name of priority country	:EPO	1)FRENKENBERGER Karl
(86) International Application No	:PCT/EP2011/053349	2)KOEHLER Stefan
Filing Date	:07/03/2011	3)HEICHELE Thomas
(87) International Publication No	:WO 2011/110509	4)HOETZL Klaus Dieter
(61) Patent of Addition to Application	:NA	5)WEISS Patrick
Number		6)DREEN Alexander
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to an inorganic cementing agent system containing a) calcium silicate cement b) calcium aluminate cement c) at least one tri functional polyalkylene glycol and d) optionally calcium sulphate. The invention also discloses the use of at least one polyalkylene glycol as an accelerator for an inorganic cementing agent system containing a) calcium silicate cement b) calcium aluminate cement and d) optionally calcium sulphate.

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

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: NANOPOROUS POLYMERIC FOAM HAVING HIGH CELL DENSITY WITHOUT NANOFILLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:C08J9/12 :61/312396 :10/03/2010 :U.S.A. :PCT/US2011/025782 :23/02/2011 :WO 2011/112352 :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor: 1)COSTEUX Stephane 2)ZHU Lingbo 3)JEON Hyun 4)RUNKER Shana
		,
Filing Date	:NA	

#### (57) Abstract:

A polymeric foam has a thermoplastic polymer matrix defining multiple cells the foam characterized by: (a) the polymer matrix having greater than 50 weight percent copolymer containing at least two different monomers at least one of which is a methacrylate monomer each monomer having a solubility parameter lower than 20 (megaPascals) and a chemical composition where twice the mass fraction of oxygen plus the mass fraction of nitrogen fluorine and silicon is greater than 0.2; wherein the monomers comprise at least 90 weight percent of all monomers in the copolymer; (b) at least one of the following: (i) a nucleation site density of at least 3 x 10 effective nucleation sites per cubic centimeter of foamable polymer composition; (ii) an average cell size of 300 nanometer or less; (c) a porosity percentage greater than 30%; (d) an absence of nano sized nucleating additive; and (e) a thickness of at least one millimeter.

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

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: INVERTER TERMINAL BLOCK DISPOSED ON MOTOR CASE

	:H02K5/22,	(71)Name of Applicant:
(51) International classification	H01R9/00,	1)YAZAKI CORPORATION
	H01R13/52	Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo
(31) Priority Document No	:2010049272	1088333 Japan
(32) Priority Date	:05/03/2010	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)OKAMOTO Kenichi
(86) International Application No	:PCT/JP2011/055130	2)KOBAYASHI Masaki
Filing Date	:04/03/2011	
(87) International Publication No	:WO 2011/108726	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a terminal block which will not break even when placed under vibration and which will not be penetrated with water even when the vehicle to which the terminal block is attached is submerged. Disclosed is a terminal block (10) which connects an inverter output terminal with a motor input terminal by being disposed between a motor case (100) and an inverter case (200) mounted on the motor case (100) wherein an upper base (10U) which houses an inverter side connecting terminal (20T) connected to the inverter output terminal is secured to the inverter case (200) a lower base (10D) which houses a motor side connecting terminal (20M) is secured to the motor case (100) a waterproof elastic member (60) is disposed between the upper base (10U) and the lower base (10D) and the inverter side connecting terminal (20T) and the motor side connecting terminal (20M) are connected by means of a flexible conductive member (braided wire) (20H).

No. of Pages: 20 No. of Claims: 3

(22) Date of filing of Application :23/02/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : NOVEL PROCESS FOR THE EXPRESSION AND PURIFICATION OF PARATHYROID HORMONE (1-34) WITH CHITIN BINDING DOMAIN (CBD) AS FUSION PARTNER

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GLAND PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :6-3-865/1/2-FLAT NO: 201,
(33) Name of priority country	:NA	GREENLAND APARTMENTS, AMEERPET, HYDERABAD
(86) International Application No	:NA	500 016 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANANTULA RAJU
(61) Patent of Addition to Application Number	:NA	2)DR. KPALAVAYI NAGAIAH
Filing Date	:NA	3)VENUGOPALA KRISHNAMA.C.G.
(62) Divisional to Application Number	:NA	4)PENUMATSA MOHAN KRISHNA VARMA
Filing Date	:NA	5)RAJESH GUNTURI

#### (57) Abstract:

A process for the production and purification of PTH (1-34) comprising of: a. Production of fusion protein CBD-PTH  $\{1\text{-}34\}$  by fermentation employing recombinant E.coli having the plasmid for expression of the fusion protein wherein a DNA fragment coding for a polypeptide PTH (1-34) is fused to a DNA fragment coding for a binding protein such as the gene coding for the chitin binding domain (CBD) and the fused DNA is inserted into a cloning vector and an appropriate host is transformed. b. Lysis of the bacteria obtained in step (a) at an appropriate pressure. c. Clarifying the lysate obtained in step (b) to reduce the concentration of host cell proteins of E.coli. d. Separation of fusion protein obtained in step (c) using cation exchange chromatography or naturally occurring polymer, namely, chitin which has affinity for chitin binding domain obtained by the expression of gene obtained from Bacillus circulans. e. Cleaving the fusion protein using a proteolytic enzyme to yield crude PTH(1-34) f. Purification of the crude PTH (1-34) thus obtained utilizing ion-exchange chromatography to a purity of  $\geq 98\%$ .

No. of Pages: 21 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :05/09/2012

(21) Application No.7660/CHENP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DIAPHRAGM SHEET

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:24/02/2011 :WO 2011/105623 :NA :NA :NA	Address of Applicant :2 31 11 Nihonbashi Ningyo cho Chuo ku Tokyo 1038650 Japan (72)Name of Inventor : 1)NAKAHAMA Hidenari 2)IIDA Hirotaka 3)NAKANO Hiroshi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is a novel diaphragm sheet for a solar cell module laminator which has dramatically improved durability compared with those of conventional diaphragm sheets and enables the elimination of the maintenance of a solar cell module laminator for a long period. The diaphragm sheet comprises an olefin rubber and has a Shore A hardness of 35 to 80 and a thickness of 2.0 to 6.0 mm. The olefin rubber comprises for example an ethylene propylene diene rubber (EPDM) and/or an ethylene propylene rubber (EPM).

No. of Pages: 34 No. of Claims: 12

(22) Date of filing of Application :05/09/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: METHOD OF CUTTING WORKPIECE WITH WIRE SAW AND WIRE SAW

(51) International :B24B27/06,B28D5/04,H01L21/304 classification

(31) Priority Document No :NA

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

(86) International Application: PCT/JP2010/000751

No :08/02/2010 Filing Date

(87) International Publication :WO 2011/096018 A1

No

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

(62) Divisional to Application:NA Number :NA

Filing Date

(71)Name of Applicant:

1)TOYO ADVANCED TECHNOLOGIES CO. LTD.

Address of Applicant: 3 38 Ujina higashi 5 chome Minami ku Hiroshima shi Hiroshima 7348501 Japan

(72)Name of Inventor:

1)OHYA Jun

2)HAMASAKI Tatsumi 3)YOSHIMURA Hiroyuki 4)FUKUMAN Masaru

(57) Abstract:

Provided is a method of cutting a workpiece efficiently and with high accuracy in such a way that by using tension adjusting devices only the tension in the portion of the wire on the winding side is effectively reduced said tension adjusting devices serving to approximate the tension on a wire in a wire saw to a predetermined target tension. This method comprises an advance drive cutting process wherein a workpiece (28) is cut while a wire (W) is being advanced; a first switching process for reversing a wire (W) driving method; a moving back drive cutting process wherein the workpiece (28) is cut while the wire (W) is being moved back; and a second switching process for reversing the wire (W) driving direction thereby returning the operation to the advance drive cutting process. These processes are repeated in sequence. In both of the cutting processes only the tension in the portion of the wire on the winding side is reduced by tension manipulating devices (18A 18B). Reduction in the target wire tension for that purpose is made after deceleration of wire (W) is completed in the switching processes.

No. of Pages: 44 No. of Claims: 8

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: TRANSMISSION DEVICE HAVING POWER SPLITTING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:F16H47/04 :10 2010 001 698.5 :09/02/2010 :Germany :PCT/EP2010/070041 :17/12/2010 :WO 2011/098180 :NA :NA	(71)Name of Applicant:  1)ZF FRIEDRICHSHAFEN AG  Address of Applicant:88038 Friedrichshafen Germany (72)Name of Inventor:  1)FISCHER Roland  2)MORRISON Robert  3)SIBER Michael
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a transmission device (1) having power splitting. In the first driving range the mechanical power branch (5) transmits torque from the ring gear (25) by means of the fixed gear (26) to the further fixed gear (27). In the process a branch off from the ring gear (25) occurs. The hydrostatic power branch (3) is branched off from the second sun gear (22). The hydrostatic power branch transmits power from the first hydraulic unit (10) to the second hydraulic unit (11). The first hydraulic unit (10) acts as a pump and the second hydraulic unit (11) acts as a motor. On one of the hydrostatic shafts (28) the mechanical power and the hydrostatic power are added and conducted to the output by means of the fixed gear (36). In the second driving range the power coming from the planet carrier (24) is partially branched to the ring gear (25) and conducted by means of the gears (26 27) to the hydrostatic shaft (28) for the second hydraulic unit (11). An auxiliary shaft (16) intended for providing a further driving range can be coupled by means of gear (37) to a fixed gear (26) operatively connected to a shaft (25) of the power branching device (9).

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

(21) Application No.5580/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: INSULATING STRUCTURE FOR L-SHAPED 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</li> </ul>	:29/11/2010 :WO 2011/074396 A1 :NA	(71)Name of Applicant:  1)YAZAKI CORPORATION Address of Applicant: 4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 Japan (72)Name of Inventor: 1)OMAE TAKASHI 2)ZAITSU KAZUKI
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

To electromagnetically-shield an L-shaped terminal in a compact and reliable manner while easily and securely fixing the L-shaped terminal, there is employed an insulating split inner housing having an L-shaped terminal receiving portion including an electric-contact-portion-side receiving portion covering an electric contact portion of the L-shaped terminal connected to a shielded wire and a wire-connection-portion-side receiving portion covering a wire connection portion of the L-shaped terminal, the electric-contact-portion-side receiving portion is covered by a conductive shield shell, the wire-connection-portion-side receiving portion is covered by a conductive housing connected to the shield shell and to a shield portion of the shielded wire, and the L-shaped terminal is insulated by the inner housing from the shield shell and the conductive housing.

No. of Pages: 23 No. of Claims: 4

(21) Application No.7647/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: ANTENNA AND PORTABLE WIRELESS TERMINAL

(51) International classification: H01Q21/28,H01Q1/24,H01Q1/52 (71)Name of Applicant: :2010039288 (31) Priority Document No 1)SHARP KABUSHIKI KAISHA (32) Priority Date :24/02/2010 Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi (33) Name of priority country :Japan Osaka 5458522 Japan (72)Name of Inventor: (86) International Application :PCT/JP2011/053865 No 1)HIKINO Nozomu :22/02/2011 Filing Date 2)TAKEBE Hiroyuki (87) International Publication 3)KURAMOTO Mikio :WO 2011/105380 4)SUETAKE Hiroyasu (61) Patent of Addition to 5)KONDO Toshinori :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Disclosed is an antenna (110) provided with a first antenna element (111) a second antenna element (112) and a third antenna element (113) wherein the second antenna element (112) is arranged between the first antenna element (111) and the third antenna element (113) all of a first connection end (111b) a second connection end (112b) and a third connection end (113b) are arranged at positions closer to a first tip (111a) than a third tip (113a). Thereby in an antenna provided with three antenna elements even if each antenna element is used for the same system the difference in emission efficiencies in frequency bands corresponding to respective antenna elements can be suppressed.

No. of Pages: 68 No. of Claims: 15

(22) Date of filing of Application :04/09/2012 (43) Publication Date: 07/03/2014

(54) Title of the invention: PUSH BUTTON SWITCH STRUCTURE AND ELECTRONIC APPARATUS PROVIDED WITH **SAME** 

(51) International :H01H13/06,H01H13/14,H04M1/02

classification

:2010-165745 (31) Priority Document No (32) Priority Date :23/07/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/003877

No :06/07/2011

Filing Date

(87) International Publication :WO 2012/011236 A1

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

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

(71)Name of Applicant:

1)SHARP KABUSHIKI KAISHA

(21) Application No.7648/CHENP/2012 A

Address of Applicant: 22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72)Name of Inventor: 1)KIKUCHI Genkei

#### (57) Abstract:

(19) INDIA

A switch through hole 22 is formed in a front cabinet 5a, and a press switch 21 is located in the front cabinet 5a to correspond to the switch through hole 22. With a pressing element 25 inserted in a plate through hole 28a of a reinforcing plate 28, an outer periphery of a middle portion of the pressing element 25 in an axial direction and the plate through hole 28a are connected by a silicone rubber 27. A key top 26 is coupled to one end of the pressing element 25 in the axial direction so as to be exposed from the switch through hole 22, and a switch assembly 24 is fitted in the switch through hole 22. This structure increases durability of a push-button switch, while increasing ease of assembly of a push-button switch structure.

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

(22) Date of filing of Application :26/03/2010 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: SYSTEM AND METHOD FOR A MESSAGE BASED LEARNING

(51) International classification	:G00R5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR. AGASTYA RAMANI KRISHNA KUMAR
(32) Priority Date	:NA	Address of Applicant :FLAT 401, PLOT NO.124, KALYAN
(33) Name of priority country	:NA	NAGAR, PHASE 3, HYDERABAD - 500 018. Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR. AGASTYA RAMANI KRISHNA KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for providing a message based learning between at least one of a content learner and at least one of a content facilitator are disclosed. The system includes at least one of a first communication device held by the at least one of the content learner for communicating with at least one of a second communication device held by the at least one of the content facilitator, an authenticated interface for enabling the message based communication between the at least one of the content learner and the at least one of the content facilitator , an authenticated server communicatively coupled to the authenticated interface for storing a plurality of contents posted by the at least one of the content learner and the at least one of the content facilitator and a communication network for enabling a transmission and a reception of a learning message between the at least one of the first communication device of the at least one of the content facilitator.

No. of Pages: 39 No. of Claims: 21

(21) Application No.3528/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: AN UNIDIRECTIONAL VALVE ARRANGEMENT FOR REGULATING FLOW OF MEDIA

(51) International classification	:F16K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)T. RADHAKRISHNAN
(32) Priority Date	:NA	Address of Applicant :13(OLD NO.9), SABAPATHI
(33) Name of priority country	:NA	STREET, K.K. PUDUR, COIMBATORE - 641 038 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)T. RADHAKRISHNAN
(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 valves, more particularly to a unidirectional valve arrangement for regulating, controlling flow of media and ON/OFF operations. Further, the present invention performs the function of not allowing backward flow of media also. The regulating of the valve can be achieved by manual means or by an automatic means.

No. of Pages: 30 No. of Claims: 14

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A METHOD TO OPERATE A HOME APPLIANCE MACHINE

(51) International classification	:H02J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ROBERT BOSCH ENGINEERING AND BUSINESS
(32) Priority Date	:NA	SOLUTIONS LIMITED
(33) Name of priority country	:NA	Address of Applicant: 123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	2)ROBERT BOSCH GMBH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)INBA SUDHAKAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method to operate a home appliance machine (100) comprising the steps: supplying an electrical power to a controller (10) of said machine (100) from a secondary power supply (30) when a primary power supply (40) to said machine (100) is CUT-OFF; configuring and storing a plurality of control settings of said machine (100) in said controller (10) during said primary power supply (40) is CUT-OFF; detecting a power ON state of said primary power supply (40); and controlling the operation of said machine (100) in said configured plurality of control settings when said primary power supply (40) is detected to be in said power ON state.

No. of Pages: 9 No. of Claims: 6

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR PERFORMING HYBRID AUTOMATIC REPEAT REQUEST OPERATION IN AN ASYMMETRIC MULTICARRIER COMMUNICATION NETWORK ENVIRONMENT

(51) International classification	·H04L1/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)AGIWAL Anil
Filing Date	:NA	2)NIGAM Anshuman
(62) Divisional to Application Number	:NA	3)CHANG Youngbin
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method and system for performing Hybrid Automatic Repeat Request (HARQ) operation in an asymmetric multicarrier communication network environment. In one embodiment, a method includes receiving resource allocation information from a base station in a scheduling interval of a first carrier, where the resource allocation information indicates resources and transmit time interval in an uplink allocation interval. The method includes transmitting the HARQ packet to the base station in the transmit time interval of the uplink allocation interval on the second carrier if the transmit time interval corresponds to a first partition of the uplink allocation interval. If the transmit time interval corresponds to a second partition of the uplink allocation interval, the method further includes transmitting the HARQ packet to the base station in the transmit time interval of the uplink allocation interval on the second carrier according to a second type of HARQ process.

No. of Pages: 71 No. of Claims: 32

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: RYZ-CREAM COMPOSITION AND PROCESS FOR PREPARATION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:A23C9/00 :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY Address of Applicant: MADHAVARAM MILK COLONY, CHENNAI - 600 051 Tamil Nadu India (72)Name of Inventor:
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)RAMALINGAM, PALANI DORAI 2)VEMBU, JAYALALITHA

#### (57) Abstract:

Disclosed herein is a palatable, nutritious, rice based, 95% fat-free and 100% lactose free frozen dairy product composition, RYZ-Cream, with desired texture and mouth-feel, which can benefit the general population of all age groups to eliminate the incidences of lactose intolerance and Hypercholesterolemia. The present invention also disclosed a cost effective process for preparation of said RYZ-Cream composition.

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

(21) Application No.85/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :11/01/2011 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: METHOD AND SYSTEM FOR TEST VECTOR GENERATION

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WHIZCHIP DESIGN TECHNOLOGIES PVT. LTD
(32) Priority Date	:NA	Address of Applicant :NO. 406, II FLOOR, VII MAIN,
(33) Name of priority country	:NA	JAYANAGAR II BLOCK, BANGALORE-560 011. Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHINTHANA E
(61) Patent of Addition to Application Number	:NA	2)RAVI SHANKAR R
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filing Date (62) Divisional to Application Number	:NA	

#### (57) Abstract:

The various embodiments of the present invention provide a method for automatically generating a unique set of test vectors for verifying design intent of integrated circuit chips. The method includes obtaining configuration parameters associated with a plurality of integrated circuit chips, generating an Executable Verification Plan pertaining to the configuration parameters of a plurality of integrated circuit chips in one or more execution PCs (EPs), creating a plurality of data structures corresponding to the configuration parameters, communicating the data structures created to a DCMS server, mapping the data structures of the Execution PCs with one or more data structures present in a database of the DCMS server, customizing the executable verification plan based on changes in the configurations of the integrated circuit chips, generating a unique set of test vectors based on mapping of the data structures and performing automatic design verification of the plurality of integrated circuit chips.

No. of Pages: 33 No. of Claims: 20

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMAGE PROCESSOR DISPLAY DEVICE AND IMAGE PROCESSING METHOD

(51) International classification	:G09G5/10, G09G3/20, G09G3/34	(71)Name of Applicant:  1)SHARP KABUSHIKI KAISHA  Address of Applicant: 22 22 Nagaike cho Abeno ku Osaka shi
(31) Priority Document No	:61/303500	Osaka 5458522 Japan
(32) Priority Date	:11/02/2010	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)SATOH Akiko
(86) International Application No	:PCT/JP2011/053316	2)ZHANG Xiaomang
Filing Date	:09/02/2011	
(87) International Publication No	:WO 2011/099644	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An image processor (10) according to the present invention includes: a luminance segmentation section (12) arranged to segment an input image into a plurality of regions having different luminance levels from one another; a spatial frequency calculation section (14) arranged to calculate a spatial frequency of each of the plurality of regions; a contrast adjustment section (16) arranged to adjust a contrast of each of the plurality of regions based on the luminance level and the spatial frequency calculated by the spatial frequency calculation section (14); and a merging section (18) arranged to merge the plurality of regions whose contrasts have been adjusted by the contrast adjustment section (16) into one image.

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

(22) Date of filing of Application :04/09/2012 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: SUBSTITUTED PYRIMIDINES AS PROSTAGLANDIN D2 RECEPTOR ANTAGONISTS

(51) International :C07D403/04,A61K31/505,A61P11/00 classification

(31) Priority Document No :61/314428 (32) Priority Date :16/03/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/028427 Application No

:15/03/2011 Filing Date

(87) International :WO 2011/115940 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)AVENTIS PHARMACEUTICALS INC.

Address of Applicant :55 Corporate Drive Bridgewater New

Jersey 08807 U.S.A. (72)Name of Inventor: 1)HARRIS Keith J. 2)AGUIAR Joacy C.

3)SHUM Patrick Wai Kwok

4)ZHAO Zhicheng 5)POLI Gregory B. 6)STOKLOSA Gregory 7) CHOI SLEDESKI Yong Mi 8) REILING Stephan 9)STEFANY David

10)GARDNER Charles

#### (57) Abstract:

The present invention is directed to a substituted pyrimidine compound of formula (I) as set forth herein or an enantiomer thereof or a prodrug or a pharmaceutically acceptable salt thereof or a pharmaceutical composition comprising such a compound. The invention also includes a method of treatment of a patient by the administration of a pharmaceutically effective amount of such a compound. Formula (I) wherein m and n independently of each other are selected from the integers 0 1 2 or 3; X and Y independently of each other are selected from CRR NR or O wherein X and Y cannot both be O; or X and Y taken together with the bond between them form a phenyl group optionally substituted by one to four R groups; each Z independently of each other is CRR; R R and R independently of each other are selected from the group consisting of H halogen aryl amino optionally substituted alkyl optionally substituted alkoxy and carboxy; wherein optionally substituted alkyl may be substituted by one to three of the same or different of halogen carboxy cyano hydroxy amino or aryl.

No. of Pages: 59 No. of Claims: 10

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

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

(51) International classification :H04W48/10,H04W84/10 (71)Name of Applicant : 1)Sharp Kabushiki Kaisha (31) Priority Document No :2010052211 (32) Priority Date :09/03/2010 Address of Applicant: 22 22 Nagaike cho Abeno ku Osaka shi (33) Name of priority country Osaka 5458522 Japan :Japan (86) International Application No :PCT/JP2011/055229 (72)Name of Inventor: Filing Date :07/03/2011 1)SUZUKI Shigeto 2)SAWADA Shinichi (87) International Publication No :WO 2011/111655 (61) Patent of Addition to Application 3)KOBAYASHI Hirokazu :NA Number 4)SUZUKI Koki :NA Filing Date 5)YOSHIHARA Akio (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A mobile communication system includes: a plurality of mobile communication terminals; and a first base station device configured to wirelessly communicate with the plurality of mobile communication terminals. The first base station device is configured to report to the plurality of mobile communication terminals that a second base station device allowing only a particular mobile communication terminal access is set to allow all the plurality of mobile communication terminals access, by transmitting using cell broadcast service, identification information of the second station device.

No. of Pages: 61 No. of Claims: 7

(22) Date of filing of Application :01/04/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A SINGLE MODE FIBER OPTIC CONNECTOR FOR UNDERWATER APPLICATION

(51) Intermedianal alegaification	.H01D12/00	(71)N
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF OCEAN TECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :NIOT CAMPUS, VELACHERY-
(33) Name of priority country	:NA	TAMBARAM MAIN ROAD, PALLIKARANAI CAMPUS,
(86) International Application No	:NA	CHENNAI-600 100. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. G.A. RAMADASS
(61) Patent of Addition to Application Number	:NA	2)SHIBU JACOB
Filing Date	:NA	3)DR. DHILSHA RAJAPAN
(62) Divisional to Application Number	:NA	4)DR. M.A. ATMANAND
Filing Date	:NA	

#### (57) Abstract:

A single mode fiber optic connector for underwater application comprising a plug assembly and a receptacle assembly, said plug assembly mating with the receptacle assembly by a thread coupling; a marine bronze plug shell and a marine bronze back shell adapter assembly; a plurality of nltrile rubber O-rings provided for the plug assembly, adapter assembly and the receptacle assembly; fiber optic cables passing through the body of the said connector for connection of equipment on board a seafaring vessel and under water equipment, the body of the said connector being made water tight by a seafaring compound.

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

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : ILLUMINATED VEHICLE CUP HOLDER ASSEMBLY AND METHOD OF CONSTRUCTION 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>	:B60N3/10 :61/303401 :11/02/2010 :U.S.A. :PCT/US2011/024431 :11/02/2011 :WO 2011/100490 :NA :NA	(71)Name of Applicant:  1)FEDERAL MOGUL IGNITION COMPANY Address of Applicant: 26555 Northwestern Highway Southfield MI 48033 U.S.A. (72)Name of Inventor: 1)ROBBINS Brent H.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An illuminated vehicle cup holder assembly and method of construction thereof is provided. The assembly facilitates the ability to see a cup receptacle (12) of the assembly in darkness while also providing an aesthetically pleasing uniformly illuminated cup receptacle. The cup receptacle has an annular outer wall (14) configured to receive a cup and a light source operably attached to the cup receptacle (12). The outer wall (14) of the cup receptacle (12) is constructed of a light transmitting material that is uniformly illuminated by light emitted from the light source (18).

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

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 07/03/2014

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

(51) International alogaification	.C07D402/00	(71)Nome of Applicant.
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)LAURUS LABS PRIVATE LTD
(32) Priority Date	:NA	Address of Applicant :2ND FLOOR, SERENE CHAMBERS,
(33) Name of priority country	:NA	ROAD #7, BANJARA HILLS, HYDERABAD - 500 034 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KAMESWAR RAO CHIVUKULA
(61) Patent of Addition to Application Number	:NA	2)VENKATA RAMAKRISHNA MURTHY MOTURU
Filing Date	:NA	3)VENKATA SUNIL KUMAR INDUKURI
(62) Divisional to Application Number	:NA	4)SEETA RAMANJANEYULU GORANTLA
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a process for the preparation of darunavir or solvates or a pharmaceutically acceptable salt thereof substantially free of bisfuranyl impurities, particularly darunavir propionate solvate. The present invention also provides a process for preparation amorphous darunavir using the darunavir propionate solvate.

No. of Pages: 32 No. of Claims: 14

(22) Date of filing of Application :30/07/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: METHOD AND APPARATUS FOR EFFICIENT BANKING OPERATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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)POLARIS FINANCIAL TECHNOLOGY LIMITED Address of Applicant: POLARIS HOUSE, 244, ANNA SALAI, CHENNAI 600 006 Tamil Nadu India (72)Name of Inventor: 1)ARUN JAIN
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	

#### (57) Abstract:

Various embodiments of the invention comprise an apparatus and method for providing improved banking operations. In one embodiment, the method includes decomposing data processing of a banking organization into multiple functions, and providing multiple widgets. Each of the multiple widgets performs a banking operation, and includes at least one of the multiple functions. The multiple widgets exhaustively represent the data processing of the banking organization exhaustively and perform mutually exclusive banking operations. In another embodiment, the method includes customizing a workspace of a computing terminal by rendering at least one of the multiple widgets in the workspace according to a preference including at least one of, role of user of the workspace with respect to the banking organization, and the like. In another embodiment, the method includes providing at least one of the multiple widgets based on a current context including at least one of, customer identity, and the like.

No. of Pages: 39 No. of Claims: 10

(22) Date of filing of Application :02/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF CALCIMIMETICS

(51) International classification	:C07C209/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHASUN PHARMACEUTICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :28, BATRA CENTER, 3RD & 4TH
(33) Name of priority country	:NA	FLOOR, SARDAR PATEL ROAD, GUINDY, CHENNAI - 600
(86) International Application No	:NA	032 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. VIJAYABASKAR VEERAPPAN
(61) Patent of Addition to Application Number	:NA	2)DR. SRIMURUGAN SANKARESWARAN
Filing Date	:NA	3)SATHISH KUMAR RAMAN VISWANATHAN
(62) Divisional to Application Number	:NA	4)SAMBANDAMURTHY SAKTHIVELMURUGAN
Filing Date	:NA	

#### (57) Abstract:

Disclosed are synthetic processes to produce phosphate salt of Cinacalcet unsaturated free base with a high degree of purity, and thereby producing Cinacalcet hydrochloride of very high purity by employing the above said intermediate along with an improved solvent system.

No. of Pages: 17 No. of Claims: 9

(22) Date of filing of Application :02/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INSECTICIDAL EFFECT OF A LIPID FROM COWPEA EXTRACT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:A23L1/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)RAJKUMAR NANDAKUMAR  Address of Applicant: AP221, I BLOCK, 6TH STREET,  18TH MAIN ROAD, VALLALAR KUDIERUPPU ANNA NAGAR WEST CHENNAI - 600 040 Tamil Nadu India
Filing Date	:NA :NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAJKUMAR NANDAKUMAR
(61) Patent of Addition to Application Number	:NA	2)SRUTHI UNNI
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to an extract which protects the deterioration of carbohydrates from food due to ant infestation. This product inhibits ants carbohydrate metabolism and kills it. Flowchart of the processing Cowpea Extraction Using Various Solvents Lyophilization Powder Is Applied To food. Process for preparation of Anticide: The present invention relates to the prevention of nutrients in the food. Natural extract is applied in very minute quantity.

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

(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: COIL TERMINAL STRUCTURE

(51) International classification	:H01F27/28	(71)Name of Applicant:
(31) Priority Document No	:2010-049044	1)KABUSHIKI KAISHA KOBE SEIKO SHO
(32) Priority Date	:05/03/2010	Address of Applicant :10 26 Wakinohama cho 2 chome Chuo
(33) Name of priority country	:Japan	ku Kobe shi Hyogo 6518585 Japan
(86) International Application No	:PCT/JP2011/054985	(72)Name of Inventor:
Filing Date	:03/03/2011	1)ZAITSU Kyoji
(87) International Publication No	:WO 2011/108674	2)MANABE Chitaka
(67) International Lubication (10)	A1	3)KEGASA Koyo
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.7675/CHENP/2012 A

#### (57) Abstract:

(19) INDIA

The disclosed coil terminal structure provides uniform strength and electrical properties between a coil and a terminal. Said coil terminal structure allows the use of a poorly joinable material and makes it possible to provide a terminal unit in a short amount of time without requiring large scale equipment. The disclosed coil terminal structure (1) comprises a coil part (10) formed by rolling up a thin metal sheet and terminal parts (21 and 22) formed by bending the inner and outer ends of the coil part (10) in the axis direction (Z direction) of the coil part (10). A hole (23) used to connect to an external circuit is formed in each terminal part (21 and 22).

No. of Pages: 44 No. of Claims: 11

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF FLUTICASONE PROPIONATE

(51) International classification	:C07J31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PUNDE, DNYANDEO
(61) Patent of Addition to Application Number	:NA	2)BOHARA, CHANDERSINGH
Filing Date	:NA	3)POKHARKAR, KIRAN
(62) Divisional to Application Number	:NA	4)GADAKAR, MAHESH KUMAR
Filing Date	:NA	5)GORE, VINAYAK

#### (57) Abstract:

The present invention relates to an improved process for the preparation of Fluticasone propionate. The present invention particularly related to the use of lithium halide reagent in the preparation of intermediate of formula III. The present invention also relates to the purification of fluticasone propionate.

No. of Pages: 13 No. of Claims: 7

(21) Application No.3690/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF TAZOBACTAM

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ORCHID CHEMICALS & PHARMACEUTICALS LTD
(32) Priority Date	:NA	Address of Applicant :ORCHID TOWERS, 313,
(33) Name of priority country	:NA	VALLUVAR KOTTAM HIGH ROAD, NUNGAMBAKKAM,
(86) International Application No	:NA	CHENNAI - 600 034 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)UDAYAMPALAYAM PALANISAMY
(61) Patent of Addition to Application Number	:NA	SENTHILKUMAR
Filing Date	:NA	2)SINGARAVEL MOHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an improved process for the preparation of Tazobactam of formula (I) having reduced content of cresol.

No. of Pages: 27 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: MOTOR-DRIVEN COMPRESSOR

(51) International classification	:F04C29/00	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(31) Thomas Document No	228150	Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:17/10/2011	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMASHITA, TAKURO
Filing Date	:NA	2)SUITOU, KEN
(87) International Publication No	: NA	3)GENNAMI, HIROYUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4244/CHE/2012 A

#### (57) Abstract:

A motor-driven compressor includes a compression mechanism. The compression mechanism includes a stationary scroll and a movable scroll. The movable scroll and the stationary scroll form a compression chamber. The motor-driven compressor has an electric motor accommodated in a motor chamber, a suction pressure zone, a discharge pressure zone, and an oil passage, which is connected either to the compression chamber or the discharge pressure zone. The electric motor includes a rotary shaft and drives the movable scroll via the rotary shaft. A main bearing located in the vicinity of the compression mechanism rotationally supports the rotary shaft. The rotary shaft has an in-shaft passage. The in-shaft passage has an inlet, which is directly connected to the oil passage, and an outlet, which opens to the motor chamber. The main bearing is exposed in the oil passage. The motor chamber is the suction pressure zone.

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

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HIGH LOFT NONWOVEN SHEET MATERIAL AND METHOD OF CONSTRUCTION THEREOF

(51) International classification	:D04H1/54,D04H13/00,B32B5/26	(71)Name of Applicant:
(31) Priority Document No	:61/302767	1)FEDERAL MOGUL POWERTRAIN INC.
(32) Priority Date	:09/02/2010	Address of Applicant :26555 Northwestern Highway
(33) Name of priority country	:U.S.A.	Southfield MI 48033 U.S.A.
(86) International Application	:PCT/US2011/024136	(72)Name of Inventor:
No	:09/02/2011	1)MEHBUBANI Ritesh
Filing Date	.07/02/2011	2)TAYLOR Brian
(87) International Publication	:WO 2011/100281	3)YANCHEK Stephen P.
No	0 2011/100201	4)STAUDT Eric K.
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

#### (57) Abstract:

A nonwoven acoustic sheet material including Asian cardboard and a scrim layer and method of construction thereof is provided. The method of construction includes providing Asian cardboard and comminuting the cardboard into pieces of a predetermined size. Further combining the reduced size pieces of cardboard with heat bondable textile fibers and staple fibers to form a substantially homogenous mixture and then forming a web from the mixture. Then thermally bonding the constituent ingredients of the web to produce a matt of a desired thickness. Further laminating a scrim layer to at least one side of the matt while maintaining the thickness of the matt as initially produced.

No. of Pages: 12 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :05/09/2012

(21) Application No.7683/CHENP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD FOR DETECTING A DOWNLINK CONTROL STRUCTURE FOR CARRIER AGGREGATION

(51) International classification:H04W 72/04(31) Priority Document No:2009903831(32) Priority Date:14/08/2009(33) Name of priority country:Australia(86) International Application No<br/>Filing Date:PCT/JP2010/063444

(87) International Publication No :WO/2011/019009

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

(62) Divisional to Application Number :1373/CHENP/2012 Filed on :02/08/2010 (71)Name of Applicant : 1)NEC CORPORATION

Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU,

#### (57) Abstract:

This invention relates with a method for detecting a downlink control structure for carrier aggregation in communication network in which data transmission is scheduled by a physical downlink control channel (PDCCH). An UE receives higher layer signaling enabling carrier aggregation for the UE. The UE reads the PDCCHs of component carriers (CCs), wherein the downlink control information (DCI) in the PDCCHs of each CC is read according to one of a plurality of predefined formats derived from the higher layer signaling.

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

(19) INDIA

(22) Date of filing of Application :03/09/2012

(21) Application No.7587/CHENP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: ADHESIVE COMPOSITION

(51) International classification	:C09J133/00	(71)Name of Applicant:
(31) Priority Document No	:2010048605	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:05/03/2010	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:Japan	Paul Minnesota 55133 3427 U.S.A.
(86) International Application No	:PCT/US2011/027114	(72)Name of Inventor:
Filing Date	:04/03/2011	1)ARITA Hiroko
(87) International Publication No	:WO 2011/109672	2)TAKAMATSU Yorinobu
(61) Patent of Addition to Application	:NA	3)KAKINUMA Yoshiteru
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An adhesive composition is disclosed that comprises acrylic adhesive particles having an average diameter of 10 to 100 micrometers obtained by suspension polymerization of an acrylic monomer mixture which comprises a branched C 14 22 alkyl group containing (meth) acrylate and a polar monomer. The adhesive composition may be applied to an adhesive dressing or patch. The adhesive has excellent water vapor permeability excellent adhesion to skin with low skin irritation when applied less adhesive residue after peeling and less keratin damage. The adhesive does not cause wetness or peeling from sweat while being worn.

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

(21) Application No.7588/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: GENETICALLY ENCODED PHOTOCONTROL

	C12NO/00	(71) 1
(#4) T	:C12N9/00,	(71)Name of Applicant:
(51) International classification	C12N15/74,	1)MEDICAL RESEARCH COUNCIL
	C12N9/10	Address of Applicant :2nd Floor David Phillips Building
(31) Priority Document No	:1003719.0	Polaris House North Star Avenue Swindon SN2 1FL U.K.
(32) Priority Date	:05/03/2010	2)NORTH CAROLINA STATE UNIVERSITY
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/GB2011/000304	1)CHIN Jason
Filing Date	:04/03/2011	2)NGUYEN Duy P.
(87) International Publication No	:WO 2011/107747	3)GAUTIER Arnaud
(61) Patent of Addition to Application	:NA	4)DIETERS Alexander
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a caged lysine wherein the caged lysine is according to Formula (I): or salts thereof. The invention further relates to polypeptides comprising a caged lysine and to methods of making same. The invention further relates to tRNA synthetases capable of charging tRNA with caged lysine.

No. of Pages: 96 No. of Claims: 18

(21) Application No.3511/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SELF POWER GENERATING AIR CONDITIONER

<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>	:F01D :NA :NA	(71)Name of Applicant:  1)K SHANKAR SADARANGANI  Address of Applicant: 314, GOKULS FLATS, T-5, LLOYDS
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	ROAD, ROYAPETTAH, CH - 14 Tamil Nadu India (72) <b>Name of Inventor :</b>
Filing Date (87) International Publication No	:NA : NA	1)K SHANKAR SADARANGANI
(61) Patent of Addition to Application Number Filed on	:2134/CHE/2011 :24/06/2011	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The basic idea behind the modified bearing turbine is that it will help reduce leakage and also help covert low grade heat to some useful power.

No. of Pages: 9 No. of Claims: 3

(21) Application No.3513/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FLUORANTHENE DERIVATIVES FOR DETECTION OF NITRO AROMATIC COMPOUNDS

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF SCIENCE
(32) Priority Date	:NA	Address of Applicant :C.V. RAMAN AVENUE,
(33) Name of priority country	:NA	BANGALORE - 560 012 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. SATISH AMRUTRAO PATIL
(87) International Publication No	: NA	2)DR. N. VENKATRAMAIAH NUTALAPATI
(61) Patent of Addition to Application Number	:NA	3)MR. SHIV KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides a method for obtaining a polymer of fluoranthene and derivatives thereof. The invention also provides a method for detecting trace amounts of nitroaromatics incorporating the polymer of fluoranthene and derivatives thereof

No. of Pages: 28 No. of Claims: 16

(21) Application No.7677/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: PROCESS FOR PREPARATION OF T BUTOXYCARBONYLAMINE COMPOUNDS

:C07D213/75,C07D401/12 | (71)Name of Applicant : (51) International classification (31) Priority Document No :2010056717 1)Nippon Soda Co. Ltd. (32) Priority Date :12/03/2010 Address of Applicant: 2 1 Ohtemachi 2 chome Chiyoda ku (33) Name of priority country :Japan Tokyo 1008165 Japan (72)Name of Inventor: (86) International Application No :PCT/JP2011/055380 1)INOUE Hiroki Filing Date :08/03/2011 (87) International Publication No :WO 2011/111705 2)NODA Kaoru (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided is a process for the preparation of t butoxy carbonylamine compounds which comprises using phosgene or a phosgene equivalent t butanol and an organic base. Even when applied to a primary or secondary amine compound having low nucleophilicity the process enables highly selective preparation of a t butoxycarbonylamine compound at a low cost. In the process a t butoxycarbonylamine compound is prepared using: phosgene or a phosgene equivalent; t butanol; an organic base; and either a primary or secondary amine compound or a primary or secondary ammonium salt.

No. of Pages: 43 No. of Claims: 9

(21) Application No.7679/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: INTENTIONAL ARCING OF A CORONA IGNITER

<ul><li>(51) International classification</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>	:F02P23/04 :61/304130 :12/02/2010 :U.S.A. :PCT/US2011/024478	(71)Name of Applicant: 1)FEDERAL MOGUL IGNITION COMPANY Address of Applicant: 26555 Northwestern Highway Southfield MI 48033 U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:11/02/2011 :WO 2011/100516	1)HAMPTON Keith
<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:

A corona ignition system and method for igniting combustible gaseous mixtures includes the detection and control of arcing such that when arcing occurs it is detected and the voltage to the ignitior increased to ensure sustained arcing foi a period of time and of such quality that combustion of the mixture occurs through spark ignition for a period of time after which the voltage is decreased to restore ignition by corona discharge only.

No. of Pages: 16 No. of Claims: 13

(21) Application No.7601/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FRAUD REDUCTION SYSTEM FOR TRANSACTIONS

(51) International classification	:G06Q20/00	(71)Name of Applicant :
(31) Priority Document No	:61/302436	1)VISA INTERNATIONAL SERVICE ASSOCIATION
(32) Priority Date	:08/02/2010	Address of Applicant :P.O. Box 8999 MS M3 2B San
(33) Name of priority country	:U.S.A.	Francisco California 94128 U.S.A.
(86) International Application No	:PCT/US2011/024092	(72)Name of Inventor:
Filing Date	:08/02/2011	1)DOMINGUEZ Benedicto Hernandez
(87) International Publication No	:WO 2011/097638	
(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 system apparatus and method for reducing fraud in payment or other transactions by providing issuers with a warning that a transaction being processed for authorization is potentially fraudulent. In some embodiments the present invention processes data obtained from a consumer authentication process that is used in card not present (CNP) transactions to determine characteristics or indicia of fraud from previous transactions. The characteristics or indicia of fraud can be used to generate a set of fraud detection rules or another form of fraud assessment model. A proposed transaction can then be evaluated for potential fraud using the fraud assessment model.

No. of Pages: 45 No. of Claims: 19

(22) Date of filing of Application :05/01/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR MULTICASTING CONTROL MESSAGES IN A WIRELESS NETWORK ENVIRONMENT

(51) Intermetional alassification	.11041	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)AGIWAL Anil
Filing Date	:NA	2)NIGAM Anshuman
(62) Divisional to Application Number	:NA	3)KANG Hyunjeong
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method and system for multicasting control messages in a wireless network environment. In one embodiment, a method includes determining whether a control message is to be transmitted to multiple user equipments which belong to a group of user equipments. The method includes determining a device identifier assigned to the group of the user equipments if the control message is to be transmitted to the multiple user equipments. Further, the method includes providing PHY burst information including the device identifier assigned to the group of user equipments. The method Includes generating a Medium Access Control (MAC) Protocol Data Unit (PDU) encapsulating unique identifier in the header field of the MAC PDU and the control message intended for the multiple user equipments in the payload field of the MAC PDU. Moreover, the method includes multicasting the PHY burst carrying the MAC PDU to the multiple user equipments.

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

(19) INDIA

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

(21) Application No.7636/CHENP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention : COUNTER ROTATING MASS SYSTEM CONFIGURED TO BE APPLIED TO AN INLINE FOUR INTERNAL COMBUSTION ENGINE TO BALANCE THE VIBRATIONS PRODUCED BY SAID ENGINE AND INLINE FOUR ENGINE COMPRISING SAID SYSTEM

(51) International classification	:F16F15/26	(71)Name of Applicant :
(31) Priority Document No	:10425026.1	1)FPT INDUSTRIAL S.p.A
(32) Priority Date	:09/02/2010	Address of Applicant : Via Puglia 15 I 10156 Torino Italy
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/IB2011/050543	1)COLONNA Giuseppe
Filing Date	:09/02/2011	2)AERE Loris
(87) International Publication No	:WO 2011/098956	
(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 counter rotating mass system for balancing the vibrations produced by a vehicle engine comprising a central support (21) and counter rotating eccentric mass (22 23 24 25) projecting from the two opposite sides of the support.

No. of Pages: 29 No. of Claims: 11

(22) Date of filing of Application :04/09/2012 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD FOR DETECTING A DOWNLINK CONTROL STRUCTURE FOR CARRIER **AGGREGATION**

(51) International classification :H04W 72/04 (31) Priority Document No :2009903831 (32) Priority Date :14/08/2009 (33) Name of priority country :Australia (86) International Application No

Filing Date :02/08/2010 (87) International Publication No :WO/2011/019009

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

(62) Divisional to Application Number :1373/CHENP/2012

Filed on :02/08/2010 (71)Name of Applicant: 1)NEC CORPORATION

(21) Application No.7638/CHENP/2012 A

Address of Applicant: 7-1, SHIBA 5-CHOME, MINATO-KU,

TOKYO 108-8001 Japan :PCT/JP2010/063444 (72)Name of Inventor: 1)NG, BOON LOONG

#### (57) Abstract:

(19) INDIA

This invention relates with a method for detecting a downlink control structure for carrier aggregation in communication network in which data transmission is scheduled by a physical downlink control channel (PDCCH). An UE receives higher layer signaling enabling carrier aggregation for the UE. The UE reads the PDCCHs of component carriers (CCs), wherein the downlink control information (DO) in the PDCCHs of each CC is read according to one of a plurality of predefined formats derived from the higher layer signaling.

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

(21) Application No.3516/CHE/2012 A

(19) INDIA

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF 3-FORMYLMETHYL-BENZOIC ACID DERIVATIVES USING NOVEL INTERMEDIATES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:NA	(71)Name of Applicant : 1)SYMED LABS LIMITED
(32) Priority Date (33) Name of priority country	:NA :NA	Address of Applicant :8-3-166/6 & 7, II FLOOR, SREE ARCADE, ERRAGADDA, HYDERABAD - 500 018 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MOHAN RAO DODDA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)VENUGOPAL BINGI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed herein is an improved, commercially viable and industrially advantageous process for the preparation of 3-formylmethylbenzoic acid derivatives, or a salt thereof, using novel intermediates in high yield and purity.

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

(21) Application No.5201/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012

(43) Publication Date: 07/03/2014

# (54) Title of the invention: PREPARTION OF PALLADIUM GOLD CATALYST

(51) International classification	:B01J21/06	(71)Name of Applicant :
(31) Priority Document No	:12/653,592	1)LYONDELL CHEMICAL TECHNOLOGY, L.P.
(32) Priority Date	:16/12/2009	Address of Applicant :1221 MCKINNEY STREET SUITE
(33) Name of priority country	:U.S.A.	700 HOUSTON TEXAS 77010 U.S.A.
(86) International Application No	:PCT/US2010/057373	(72)Name of Inventor:
Filing Date	:19/11/2010	1)SHAY, DANIEL, TRAVIS
(87) International Publication No	:WO 2011/075278 A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method for preparing a palladium-gold catalyst containing a titania extrudate is disclosed. The titania extrudate is produced by using a carboxyalkyi cellulose and a hydroxyalkyi cellulose as extrusion aids. The titania extrudate has improved processibility and/or mechanical properties. After calcination, the extrudate is used as a carrier for the palladium-gold catalyst. The catalyst is useful in producing vinyl acetate by oxidizing ethylene with oxygen in the presence of acetic acid.

No. of Pages: 16 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :09/04/2010

(21) Application No.990/CHE/2010 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: SOLID SILANES

(51) International classification	:C08K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DOW CORNING CORPORATION
(32) Priority Date	:NA	Address of Applicant :MIDLAND, MICHIGAN-48611 U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)LAURENZ GALLEZ
Filing Date	:NA	2)MARC THIBAUT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention provides a composition comprising a wax and a reactive silane, wherein the silane is combined with the wax to form solid particles. The invention also provides the use of the composition as a coupling agent, cross-linker, adhesion promoter, powder treatment, hydrophobing or reactive agent. In addition, the invention provides a process for the preparation of the composition.

No. of Pages: 34 No. of Claims: 18

(21) Application No.2508/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: USE OF ADSL ACTIVATOR TO ACHIEVE GLYCEMIC CONTROL IN MAMMALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)Connexios Life Sciences Pvt. Ltd. Address of Applicant: No.49 Shilpa Vidya First Main Road J P Nagar 3rd Phase Bangalore Pin Code: 560078 Karnataka India
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)Anup Mammen Oommen
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)Dr.Swapnika Ramu 3)Raghavendra Rao
(62) Divisional to Application Number Filing Date	:NA :NA	-

## (57) Abstract:

The embodiments disclosed here in relates to use of activators of ADSL for the production of pharmaceutical agents to achieve glycemic control in mammals and which are therefore useful in the treatment of certain disorders that can be prevented or treated by activation of this enzyme.

No. of Pages: 38 No. of Claims: 14

(22) Date of filing of Application :28/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : MULTI FUNCTION IMAGE FORMING DEVICE TO SCAN AND PRINT TO ONE OR MORE MULTI FUNCTIONAL PRINTERS USING SHARED CLOUD SPACE

(51) I	110 43 11 /00	
(51) International classification	:H04N1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:NA	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(33) Name of priority country	:NA	MINATO-KU, TOKYO 105-8001 Japan
(86) International Application No	:NA	2)TOSHIBA TEC KABUSHIKI KAISHA
Filing Date	:NA	3)TOSHIBA EMBEDDED SOFTWARE INDIA PVT LTD
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SANDHYA DARSHINI NARASIMHAMURTHY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The embodiments herein relate to Multi Function Printers (MFP) and, more particularly, to enabling cloud based selective printing and data editing in MFP. A scan to cloud agent at the scanning side (Scanner) creates a jobid sub-folder in shared folder of target printers in the cloud. Further, the scanned data and associated settings are uploaded to the shared folder. A print from cloud agent at the printer side (Printer) continuously monitors corresponding shared folder to check if any new jobjd sub-folder is created. If a new jobid sub-folder is detected, the printer checks contents of the folder and checks if the data and settings are compatible with the printer. The user at the scanner and printer sides is provided with options to edit data on the fly using cloud based services. Further, the data is accessed from the shared folder and is printed using the printer.

No. of Pages: 67 No. of Claims: 38

(21) Application No.901/CHE/2010 A

(19) INDIA

(22) Date of filing of Application :31/03/2010 (43) Publication Date : 07/03/2014

# (54) Title of the invention : AROMATIC DIAMINES WITH PENDANT STYRYL PHOSPHINE OXIDE GROUP AND A PROCESS FOR PREPARING THE SAME

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INDIAN SPACE RESEARCH ORGANISATION
(32) Priority Date	:NA	Address of Applicant :ISRO HEADQUARTERS,
(33) Name of priority country	:NA	DEPARTMENT OF SPACE, ANTARIKSH BHAVAN, NEW
(86) International Application No	:NA	BEL ROAD, BANGALORE-560 094. Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NOORMAHMAD NABI MALDAR
(61) Patent of Addition to Application Number	:NA	2)MRIDUL MEDHI
Filing Date	:NA	3)SHANMUGAM PACKIRISAMY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to aromatic diamines comprising the following formula (I): wherein, R is hydrogen, C|-C12 alkyl, cycloalkyl, alkoxy, halogen or nitro and the alkyl group can be linear or branched; which can be primary secondary or tertiary alkyl; Y1 and Y2 are independently selected from and R is H or an alkyl group with at least 8 carbon atoms up to 18 carbon atoms or pentadecyl, C15 mono-olefinic group, C15 di-olefinic group, C15 tri-olefinic group. The invention also relates to novel intermediates and a process of preparing the same. The invention further relates to polyimide films obtained from aromatic diamines of formula (I).

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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHODS AND APPARATUS FOR SPATIAL LIGHT MODULATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:23/02/2006 : NA :NA	(71)Name of Applicant:  1)PIXTRONIX, INC.  Address of Applicant:100 BURTT ROAD, SUITE 123, ANDOVER, MASSACHUSETTS 01810 U.S.A. (72)Name of Inventor:  1)HAGOOD, NESBITT, W. 2)BARTON, ROGER
	:NA :NA :4222/CHENP/2007 :23/02/2006	

## (57) Abstract:

The present invention relates to a projector comprising: a transparent substrate; a plurality of electromechanical light modulators disposed on a surface of the transparent substrate and a respective light modulator having a shutter and respective actuators for driving the shutter, the actuators including first and second deformable beams, which, in response to application of a voltage across the first and second beams, deform towards one another; and projection optics for projecting light modulated by the light modulators to transfer an image for viewing.

No. of Pages: 97 No. of Claims: 17

(22) Date of filing of Application :04/09/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SYSTEM DEVICES AND METHOD FOR CHARGING A BATTERY OF AN ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2004350 :05/03/2010 :Netherlands	(71)Name of Applicant: 1)EPYON B.V. Address of Applicant: Delftweg 65 NL 2289 BA Rijswijk Netherlands (72)Name of Inventor: 1)BOUMAN Crijn
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Energy exchange station for a battery of an electric vehicle comprising at least one power output for a vehicle means for determining whether a vehicle coupled to the at least one power output is able to be charged with an AC voltage and/or a DC voltage a plurality of power inputs comprising at least one AC power input; and at least one DC power input and at least one controllable switch for switching the at least one power output to any of the power inputs a controller for the switch for controlling the switch at least based on the determination.

No. of Pages: 37 No. of Claims: 27

(19) INDIA

(22) Date of filing of Application :25/06/2012

(21) Application No.5559/CHENP/2012 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: COMPOSITION AND METHOD FOR CONTROLLING PLANT 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> </ul>	:22/12/2010 :WO 2011/078400	(71)Name of Applicant:  1)SUMITOMO CHEMICAL COMPANY, LIMITED Address of Applicant:27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan (72)Name of Inventor: 1)KURAHASHI, MAKOTO
<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>	A1 :NA :NA :NA :NA	

# (57) Abstract:

The present invention provides: a composition for controlling plant diseases comprising, as active ingredients, ethaboxam and sedaxane; a method for controlling plant diseases which comprises applying effective amounts of ethaboxam and sedaxane to a plant or soil for growing plant; and so on.

No. of Pages: 33 No. of Claims: 6

(22) Date of filing of Application :25/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD OF MAKING A GRINDING DISK AND A GRINDING DISK

(51) International classification	:B24D7/02	(71)Name of Applicant:
(31) Priority Document No	:200910259760.3	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:25/12/2009	Address of Applicant :3M CENTER, POST OFFICE BOX
(33) Name of priority country	:China	33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(86) International Application No	:PCT/US2010/061210	(72)Name of Inventor:
Filing Date	:20/12/2010	1)WU, YU-LUNG
(87) International Publication No	:WO 2011/079059 A3	2)CHINA, LEE, YANG-WEN
(61) Patent of Addition to Application	:NA	3)CHANG, MING-TIEN
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method of making a grinding disk, comprising the steps of: providing a cap; providing an abrasive part; placing the cap on the abrasive part to form an assembly; holding the assembly and injecting a molding material into a space between the cap and the abrasive part and into the abrasive part to bond the cap and the abrasive part. A grinding disk made by the method is also disclosed.

No. of Pages: 14 No. of Claims: 23

(22) Date of filing of Application :28/06/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: COMMUNICATIONS SYSTEM, AND METHOD OF COLLECTING PORT INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:25/11/2010 :WO 2011/080870 A1 :NA :NA :NA	(71)Name of Applicant:  1)NEC CORPORATION  Address of Applicant: 7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8001 Japan (72)Name of Inventor:  1)KOIDE, TOSHIO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a communications system including a plurality of packet transfer devices and a control unit that controls each packet transfer unit, in the communications system of which, a communications network used for each packet transfer unit to transfer packets, and a communications network used for the control unit to control each packet transfer unit can be integrated into one kind. The control unit specifies an undetected connection destination port and sends a reply request to a connection destination of the undetected connection destination port. The packet transfer unit determines whether the received reply request is to be transferred to any other packet transfer unit, upon determining the reply request to be transferred to any other packet transfer unit, transfers the reply request to any other packet transfer unit. The packet transfer unit, upon determining the reply request not to be transferred to any other packet transfer unit, returns a reply that includes information on ports of the local packet transfer unit, the reply being sent along a path leading to the control unit.

No. of Pages: 130 No. of Claims: 10

(12) TATENT ATTLICATION TODLICATION

(22) Date of filing of Application :01/10/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: SCREW COMPRESSOR

(74) 7	F0.45	
(51) International classification	:F04B	(71)Name of Applicant :
(31) Priority Document No	:2011-	1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE
(31) Thomy Document No	220645	STEEL, LTD.)
(32) Priority Date	:05/10/2011	Address of Applicant :10-26, WAKINOHAMA-CHO, 2-
(33) Name of priority country	:Japan	CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ARIHARA, HIROTOSHI
(87) International Publication No	: NA	2)UEDA, HIROKI
(61) Patent of Addition to Application Number	:NA	3)HONKE, KOICHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4113/CHE/2012 A

#### (57) Abstract:

(19) INDIA

Provided is a cantilever type motor direct-connected screw compressor which is provided with a vibration control structure capable of directly reducing the vibration of a rotor shaft itself while reducing imbalance force (unbalancing force) during the rotation of the rotor shaft. The screw compressor 1 comprises: a screw rotor 41; a motor shaft 7 which is made into an integrated structure with the screw rotor 41, and cantilever-supported beside the screw rotor; and a motor for rotating the motor shaft 7. The screw compressor 1 further comprises a cylindrical member 43 which is loosely inserted and arranged in a space between a motor-side end surface 7a of the motor shaft 7 and an end member 10 so as to be substantially coaxial with the motor shaft 7 and so as to be laid along the inner surface of a rotor 5, and a weight 8 (vibrating body) which is loosely inserted and arranged on the inside of the cylindrical member 43 so as to be substantially coaxial with the motor shaft 7. The natural frequency of the cylindrical member 43 is conformed to the natural frequency of the rotor shaft 11.

No. of Pages: 27 No. of Claims: 4

(21) Application No.4218/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : INFORMATION PROCESSING SYSTEM, IMAGE PROCESSING APPARATUS, USER DEVICE, CONTROL METHOD, AND STORAGE MEDIUM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F21/00 :2011- 226746	(71)Name of Applicant: 1)CANON KABUSHIKI KAISHA Address of Applicant: 30-2, SHIMOMARUKO 3-CHOME,
(32) Priority Date	:14/10/2011	OHTA-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIROAKI TOWATA
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 mediation service accepts a coordination instruction for coordinating a web application server with a coordination device from a web browser, generates a script to be authenticated by an authentication method corresponding to the server, and transmits the generated script to the coordination destination service providing system indicated by the coordination instruction. The web browser transmits authentication information or an authentication token, which is obtained in response to an input operation on an authentication information input screen displayed by execution of the script, to the coordination device. Then, the coordination device receives and saves the authentication information or the authentication token.

No. of Pages: 67 No. of Claims: 9

(21) Application No.4220/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention : A DEVICE FOR CONNECTING A GEARMOTOR TO AN AIRCRAFT WHEEL IN ORDER TO ENABLE THE WHEEL TO BE DRIVEN SELECTIVELY BY THE GEARMOTOR

#### (57) Abstract:

The invention relates to a device for connecting a gearraotor (2) to an aircraft wheel, the device comprising: a casing (4) rotatably carrying a shaft (5) that is to be driven by the geartnotor, and on which a pinion (7) is mounted idle by means of a rolling bearing (8); a toothed ring (3) for being constrained in rotation with the aircraft wheel and arranged to mesh permanently with the idle pinion; and rotation securing means (50) for selectively constraining the idle pinion in rotation with the shaft. According to the invention, a smooth bearing (9) is interposed between the shaft and the rolling bearing of the idle pinion.

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

(21) Application No.1431/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/04/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SINGLE STEP FRACTIONATION METHOD

(51) International classification	:C07K14/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Reddy <sup>TM</sup> s Laboratories Limited
(32) Priority Date	:NA	Address of Applicant :V. R. Srinivas Ph.D. Intellectual
(33) Name of priority country	:NA	Property Management Biologics development Center Dr.
(86) International Application No	:NA	Reddy™s Laboratories Limited Survey Nos. 47 Bachupalli
Filing Date	:NA	Qutubullapur RR District 500 090 AP India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Ashish K. Patra
Filing Date	:NA	2)Venkata Ramireddy Yeturu
(62) Divisional to Application Number	:NA	3)Jaby Jacob
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a single step method of enriching highly sialylated variant/s of a protein by use of a strong ion exchange chromatography support and a pH gradient in absence of any salt gradient or in-process wash.

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

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DETECTING AND DISABLING DIGITAL CAMERAS USING IMAGE PROCESSING

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VIGNESH.S
(32) Priority Date	:NA	Address of Applicant :2/139, EAST STREET, PALIKADU,
(33) Name of priority country	:NA	AMANI KONDALAMPATTY, SALEM - 636 010 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIGNESH. S
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

My invention deals with the device capable of detecting and disabling digital cameras which are used for movie piracy. Every digital camera has an image sensor known as a CCD (Charge Coupled Device), which is retroreflective thus sending light back directly to its original source at the same angle. The invented device has an Infrared (IR) panel that emanates Infrared beams which are invisible to the human eye and then scans the complete working area. The IR beams affect the CCD present in the cameras/camcorders used to capture the video, A Test Image Recoder (TIR) is setup to record the image of the working area over a period of time. The recorded images are transferred to a computer connected to the camcorder, where it is sent through D3CIP algorithm that detects the location of the CCD (camera). Once the camera is detected, the Laser beam projector setup as a part of my device would project an IR laser beam into the cameras lens, thereby overexposing the video recorded and rendering it useless. Low levels of IR laser neutralizes digital cameras which are neither a health nor a physical damage to the cameras.

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

(21) Application No.3602/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MYCOPHENOLATE PHARMACEUTICAL COMPOSITIONS

(51) International classification	:A61K9/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :HETERO DRUGS LIMITED,
(33) Name of priority country	:NA	HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES,
(86) International Application No	:NA	SANATH NAGAR, HYDERABAD - 500 082 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PARTHASARADHI REDDY, BANDI
Filing Date	:NA	2)KHADGAPATHI, PODILI
(62) Divisional to Application Number	:NA	3)KIRAN KUMAR, MADALLAPALLI
Filing Date	:NA	

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

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

The present invention relates to delayed release compositions of mycophenolate sodium and its process.

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: PROCESS FOR THE PREPARATION OF INTERMEDIATES OF 8-[(3R)-3-AMINO-1-PIPERIDINYL] -7- (2-BUTYN-1-YL) -3,7-DIHYDRO-3-METHYL-1-[(4-METHYL-2-QUINAZOLINYL)METHYL]-1H-PURINE-2,6-DIONE

(51) International classification	·C07D473/00	(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	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to processes for the preparation of intermediate compounds, which are useful for the preparation of 8-[(3R)-3-amino-l-piperidinyl]-7-(2-butyn-l-yI)-3,7-dihydro-3-methyl-l-[(4-methyl-2-quinazolinyl)methyl]-lH-purine-2,6-dione compound represented by the following structural formula-1. The present invention also provides acid-addition salts of 8-[(3R)-3-amino-l-piperidinyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazolinyl)methyl]-1H-purine-2,6-dione compound of formula-1 in crystalline form.

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

(22) Date of filing of Application :04/10/2012 (43) Publication Date : 07/03/2014

# (54) Title of the invention: APPARATUS AND ASSOCIATED METHOD FOR FORMING COLOR CAMERA IMAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G02B :11188618.0 :10/11/2011 :EPO :NA :NA	
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	: NA : NA : NA : NA	I)GRANDIN IIIONIAS
Filing Date	:NA :NA	

## (57) Abstract:

An apparatus, and an associated method, for creating a color image at a camera module. A plurality of lenses is positioned to receive incident light energy of a target. An optical filter is associated with one or more of the lenses. Different filters exhibit different optical characteristics. Incident light is filtered and then focused by the lenses towards respective focal points of the lenses. A monochrome sensor element senses light intensity of focused light, focused by the lenses. Sensed indications are utilized to form a color image.

No. of Pages: 29 No. of Claims: 21

(22) Date of filing of Application :16/04/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHODS AND CAMERA SYSTEMS FOR RECORDING AND CREATION OF 3-DIMENSION (3-D) CAPABLE VIDEOS AND 3-DIMENSION (3-D) STILL PHOTOS

(51) International  $:\!G03B35/04,\!G03B35/02,\!G02B27/22$ 

classification (31) Priority Document No :201006753-6

(32) Priority Date :16/09/2010 (33) Name of priority country: Singapore

(86) International :PCT/SG2010/000341

Application No :16/09/2010 Filing Date

(87) International Publication :WO 2012/036626

(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)DHARMATILLEKE, Medha

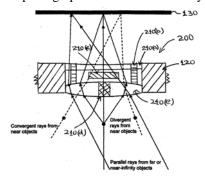
Address of Applicant: 14, Highgate Crescent, Singapore

598795, Singapore (72)Name of Inventor:

1)DHARMATILLEKE, Medha

### (57) Abstract:

A camera system is disclosed which can produce 2-Dimensional (2-D) video movies and still photographs having all the objects in the area of it's view to be fully focused. Due to the fact that all the objects including the background is fully focused with high image quality, these video movies and still photographs can easily be converted to high quality 3-Dimensional (3-D) video movies and 3-D still photographs. The conversion may be done by using software or hardware or a combination of both software and hardware.



No. of Pages: 28 No. of Claims: 73

(22) Date of filing of Application:16/04/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: OPTICAL LENS MODULE ASSEMBLY WITH AUTO FOCUS AND 3-D IMAGING FUNCTION

(51) International :G03B35/14,G03B35/08,G02B27/22 classification

(31) Priority Document No :201006753-6 (32) Priority Date :16/09/2010 (33) Name of priority country: Singapore

(86) International :PCT/SG2011/000315

Application No :15/09/2011

Filing Date

(87) International Publication :WO 2012/036637

(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)DHARMATILLEKE, Medha

Address of Applicant: 71 Chu Lin Road, Singapore 669960.

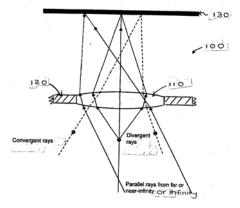
Singapore

(72)Name of Inventor:

1) DHARMATILLEKE, Medha

### (57) Abstract:

An optical lens module assembly is disclosed which can perform Auto Focus and produce 3 - Dimensional (3-D) images, 2 -Dimensional (2-D) video movies and still photographs having all the objects in the area of it's view (field of view) to be fully focused. Due to the fact that all the objects in the field of view including the background is fully focused with high image quality, these video movies and still photographs can easily be converted to high quality 3-Dimensional (3-D) video movies and 3-D still photographs. The conversion may be done by using software or hardware or a combination of both software and hardware. Further, due to artistic reasons, if it is required for the area towards the outer edges of the imaging area or photo or video to be made blur while the middle area is focused, then the outer areas can be made to be out of focus (blur image) while the middle part of the photo (image) or video can be made to be focused. Similarly, due to artistic reasons, if it is required for part towards the outer edges of the imaging area or photo or video to be made focused while the middle area is blur, then the outer areas can be made to be focused while the middle part of the photo (image) or video can be made to be out of focused (blur image). Further, these optical lens module assemblies can be also used in conventional 3D cameras, which use two separate camera modules. Also, these optical lens module assemblies can be used to replace the standard auto focus optical assemblies in all camera applications.



No. of Pages: 27 No. of Claims: 41

(21) Application No.1059/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHODS AND SYSTEMS FOR ASSEMBLY OF CAMERA MODULES

(51) International classification	:H04N5/225,G02B7/02	(71)Name of Applicant:
(31) Priority Document No	:201006753-6	1)DHARMATILLEKE, Medha
(32) Priority Date	:16/09/2010	Address of Applicant :14, Highgate Crescent, Singapore
(33) Name of priority country	:Singapore	598795, Singapore
(86) International Application No	:PCT/SG2010/000378	(72)Name of Inventor:
Filing Date	:04/10/2010	1)DHARMATILLEKE, Medha
(87) International Publication No	:WO 2012/036628	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and systems for assembly of camera modules is disclosed in which a pre-focused and pre-adjusted lens holder assembly is used in the assembly of camera modules. The use of pre- focused and pre- adjusted lens holder assembly increases the efficiency in the production of camera modules.

No. of Pages: 22 No. of Claims: 38

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : ELECTRICAL CONDUCTION THROUGH SUPRAMOLECULAR ASSEMBLIES OF TRIARYLAMINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01L51/00 :1058954 :29/10/2010 :France :PCT/FR2011/052529 :28/10/2011 :WO 2012/093210 :NA :NA :NA	(71)Name of Applicant:  1)CENTRE NATIONAL DE LA RECHERCHE  SCIENTIFIQUE (C.N.R.S.)  Address of Applicant: 3,RUE MICHEL ANGE 75016 PARIS, FRANCE  2)UNIVERSITÉ DE STRASBOURG (72)Name of Inventor:  1)DAYEN JEAN-FRANCOIS  2)GIUSEPPONE NICOLAS  3)FARAMARZI, VINA  4)MOULIN, EMILIE  5)NIESS, FREDERIC  6)DOUDIN, BERNARD
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# (57) Abstract:

The present invention relates to a method for modifying a surface of a solid conducting material, which comprises a step (E), in which a potential difference is applied between this surface and a surface of another conducting solid material positioned facing it, and wherein, simultaneously, said surface (S) is put into contact with a liquid medium comprising in solution triarylamines (I): while subjecting these triarylamines (I) to electromagnetic radiation, least partly converting them at into triarylammonium radicals. The invention also relates to a conducting device comprising two conducting metal materials, the surfaces of which, (S) and (S) respectively, are electrically interconnected through an organic material comprising conducting fibrillar organic supramolecular species comprising an association of triarylamines of formula (I).

No. of Pages: 31 No. of Claims: 15

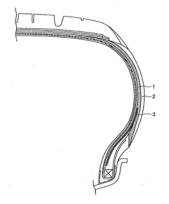
(22) Date of filing of Application :02/09/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: RUBBER COMPOSITION AND PNEUMATIC TIRE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2012- 193408 :03/09/2012 :Japan :NA :NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO RUBBER INDUSTRIES, LTD.  Address of Applicant: 6-9, WAKINOHAMA-CHO 3- CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0072 JAPAN (72)Name of Inventor:  1)MIYAZAKI TATSUYA
Filing Date	:NA	

### (57) Abstract:

The present invention provides a rubber composition that allows uniform dispersion of microfibrillated plant fibers so as to improve the required performance for a tire in a balanced manner, and a pneumatic tire formed from the rubber composition. The present invention relates to a rubber composition prepared from a masterbatch obtained by mixing rubber latex, microfibrillated plant fibers and a cationic polymer, wherein 0.01 to 5 parts by mass of the cationic polymer is added per 100 parts by mass of a rubber component of the rubber latex.



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

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR SUBJECTING SOLID BIOMASS TO SACCHARIFICATION PRETREATMENT, APPARATUS THEREFOR, AND METHOD FOR SACCHARIFICATION OF SOLID BIOMASS

(71)Name of Applicant: (51) International classification :C12P19/02,C07H3/02,C07H3/06 1)IDEMITSU KOSAN CO., LTD. (31) Priority Document No :2010-229512 Address of Applicant: 1-1, Marunouchi 3-chome, Chiyoda-ku, (32) Priority Date :12/10/2010 Tokyo 1008321 JAPAN (33) Name of priority country :Japan 2) JAPAN INTERNATIONAL RESEARCH CENTER FOR (86) International Application :PCT/JP2011/073396 AGRICULTURAL SCIENCES No :12/10/2011 (72) Name of Inventor: Filing Date 1)MACHIDA Masashi (87) International Publication :WO 2012/050114 2)FUKUNAGA Tetsuya 3)MORIMITSU Kozo (61) Patent of Addition to 4)SAKASHITA Shigeru :NA **Application Number** 5)TORIKATA Yasuo :NA Filing Date 6)KOSUGI Akihiko (62) Divisional to Application :NA 7)MORI Yutaka Number 8)MURATA Yoshinori :NA Filing Date 9)ARAI Takamitsu

### (57) Abstract:

In the present invention, a solid biomass having a water content of 30 to 95 mass percent is brought into contact with ammonia gas at a pressure of 0.5 to 4 MPa and held at a temperature of 50 to 200°C. The pressure is then rapidly decreased and the solid biomass is blasted. Ammonia gas that is vaporized by the pressure reduction is recovered and reused. Ammonia gas can be brought into contact with the whole of the solid biomass evenly and in a short time. The heat of absorption of the ammonia gas is generated, enabling the minimization of energy consumption required for additional heating.

No. of Pages: 32 No. of Claims: 13

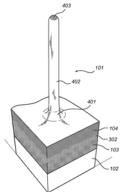
(22) Date of filing of Application :17/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: NANOSTRUCTURE DEVICE AND METHOD FOR MANUFACTURING NANOSTRUCTURES

(51) International classification	:D01F9/127,C01B31/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SMOLTEK AB
(32) Priority Date	:NA	Address of Applicant :Stena Center 1D, S-412 92 Göteborg
(33) Name of priority country	:NA	SWEDEN
(86) International Application No	:PCT/EP2010/065654	(72)Name of Inventor:
Filing Date	:18/10/2010	1)KABIR, Mohammad Shafiqul
(87) International Publication No	:WO 2012/052051	
(61) Patent of Addition to Application	.NI A	
Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for manufacturing a plurality of nanostructures (101) on a substrate (102). The method comprises the steps of: depositing a bottom layer (103) on an upper surface of the substrate (102), the bottom layer (103) comprising grains having a first average grain size; depositing a catalyst layer (104) on an upper surface of the bottom layer (103), the catalyst layer (104) comprising grains having a second average grain size different from the first average grain size, thereby forming a stack of layers comprising the bottom layer (103) and the catalyst layer (104); heating the stack of layers to a temperature where nanostructures (101) can form; and providing a gas comprising a reactant such that the reactant comes into contact with the catalyst layer (104).



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

(22) Date of filing of Application :22/05/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: FLOOR PANEL WITH SOFT/RESILIENT WEAR LAYER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:20 2010 015 754.4 :23/11/2010 :Germany	(71)Name of Applicant:  1)AKZENTA PANEELE + PROFILE GMBH Address of Applicant: Werner-von-Siemens Str. 18-20, 56759 Kaisersesch, GERMANY
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/EP2011/070701 :22/11/2011 :WO 2012/069485 :NA :NA	(72)Name of Inventor: 1)Hans-Jürgen HANNIG
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a floor panel (5, 10, 16, 22, 35) comprising a carrier layer (2, 17, 23), a wear layer (3, 14, 18, 24), formed from a soft/resilient material, and at least two mutually opposite pairs (36, 37) of locking edges, wherein at least the locking edges of one pair are designed as form fitting edges (6, 11, 20, 25) and are configured such that two of the floor panels (5, 10, 16, 22, 35) can be connected by means of these form fitting edges (6, 11, 20, 25), and wherein the form fitting edges (6, 11, 20, 25) each have a horizontal locking surface (8a, 13a, 27, 28) which, in the connected state, together counteract the action of the floor panels (5, 10, 16, 22, 35) moving apart from one another in a direction which is located in the floor plane and perpendicularly to the form fitting edges (6, 11, 20, 25), wherein each form fitting edge (6, 11, 20, 25) has a joint sealing region (6a, 11a, 29, 31) in the region of the soft/resilient wear layer (3, 14, 18, 24), the horizontal locking surfaces (8a, 13a, 27, 28) and the joint sealing regions (6a, 11a, 29, 31) being coordinated with one another such that, with two floor panels (5, 10, 16, 22, 35) in the connected state, it is possible to generate an initial pressing action of the joint sealing regions (6a, 11a, 29, 31) in relation to one another, and thus to generate a press sealed joint (F) in the region of the soft/resilient wear layer (3, 14, 18, 24).

No. of Pages: 21 No. of Claims: 7

(22) Date of filing of Application :17/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : TECHNIQUE FOR CHANNEL ESTIMATION IN THE PRESENCE OF A SIGNAL PHASE DISCONTINUITY

(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	:H04L25/02,H04L27/26,H04W52/02 :NA :NA :NA :PCT/EP2010/005893 :27/09/2010 :WO 2012/041337 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S-164 83 Stockholm, SWEDEN</li> <li>(72)Name of Inventor:</li> <li>1)BACHL, Rainer</li> <li>2)MUELLER-WEINFURTNER, Stefan</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

A technique for performing channel estimation based on a received signal comprising a first signal part and a second signal part in the presence of an unknown phase discontinuity between the first signal part and the second signal part is presented. A method implementation of this technique comprises providing a first channel parameter that is based on the first signal part, determining a second channel parameter based on the second signal part, estimating the phase discontinuity from the first channel parameter and the second channel parameter, updating the first channel parameter based on the estimated phase discontinuity and determining a channel estimate based on the second signal part including performing channel estimation filtering using the updated first channel parameter as filter state information.

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

(22) Date of filing of Application: 17/04/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention : HEAT-EXCHANGE COLLING DEVICE AND POWER SUPPLY CIRCUIT DRIVER USED THEREFORE

(51) International classification:F24F 11/00(31) Priority Document No:2005-251172(32) Priority Date:31/08/2005(33) Name of priority country:Japan

(86) International Application No :PCT/JP2006/317163
Filing Date :31/08/2006

(87) International Publication No : WO/2007/026793

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

(62) Divisional to Application Number :839/KOLNP/2008 Filed on :26/02/2008 (71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant :1006, OAZA KADOMA, KADOMA-

SHI, OSAKA-571-8501, JAPAN

:PCT/JP2006/317163 (72)**Name of Inventor :** 

1)KANJI IZAKI

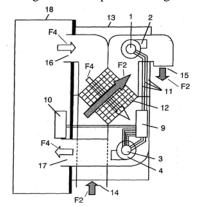
2)MATSUO SHIRAISHI 3)YASUYUKI OKUMURA

4)HARUMOTO ITOU

5)KOUICHI ISHIKAWA

#### (57) Abstract:

A heat exchange cooler capable of eliminating continuous radiation of high-frequency noise waves and reducing the man hour for the installation work, and a power circuit driving device used for it are provided. A commercial power transformer (311), which transforms commercial AC power (307) supplied from a heat generating element storing box to a specified range of voltage, is provided. Moreover, first relay (210) and second relay (212) are used for automatically switching a plurality of taps disposed at the coil of commercial power transformer (311) which keeps a wide range of commercial AC voltage from 200V to 250V in nominal voltage within a specified range of output voltage.



No. of Pages: 77 No. of Claims: 13

(22) Date of filing of Application :08/05/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: AUXILIARY REQUEST UNIT AND METHOD FOR USE THEREOF

(51) International classification	:B65D19/38	(71)Name of Applicant :
(31) Priority Document No	:10 2010 051 236.2	1)@VANCE B.V.
(32) Priority Date	:12/11/2010	Address of Applicant :De Hooge Akker 33, 5661 NG Gledrop,
(33) Name of priority country	:Germany	NETHERLANDS
(86) International Application No	•	(72)Name of Inventor:
Filing Date	:24/05/2011	1)MAIWORM, Frank
(87) International Publication No	:WO 2012/062381	2)VAN DOORN, Glenn
(61) Patent of Addition to Application	.NI A	3)VERSTAPPEN, Frans
Number	:NA	4)DEN BESTEN, Peter
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An auxiliary transport unit (1) according to the invention is provided in particular for pallets, wherein the pallets comprise a loading base which during transport is oriented substantially horizontally. The auxiliary transport unit is characterised by a supporting device (3) which during transport extends substantially in the vertical direction. The auxiliary transport unit also comprises a connecting device (4, 4a, 4b) which connects the supporting device to at least one first, lower pallet. The auxiliary transport unit also has a holding device (5, 16) which is connected to the supporting device. The holding device is provided in order to hold at least one second pallet vertically spaced from the at least one first pallet.

No. of Pages: 111 No. of Claims: 55

(21) Application No.177/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :15/02/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR ABSORBING METHANE-CONTAINING CARBON DIOXIDE BY USING CALCIUM HYDROXIDE AND ALKALI COMPOUNDS

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10-2012- 0094170	1)DAEWOO E&C CO., LTD.
(32) Priority Date		Address of Applicant :57 SINMUMNO 1-GA, JONGNO-GU, SEOUL REPUBLIC OF KOREA
(33) Name of priority country	:Republic	(72)Name of Inventor:
(86) International Application No	of Korea :NA	1)KIM, BYUNG-HWAN 2)KIM, JEONG-HEON
Filing Date	:NA	3)KANG, PIL-SUN
(87) International Publication No	: NA	4)YOO, SEUNG-KWAN
(61) Patent of Addition to Application Number	:NA	5)YOO, HEE-CHAN
Filing Date	:NA	6)LEE, EUI-SIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an apparatus and method for absorbing methane-containing carbon dioxide by using calcium hydroxide and alkali compounds, and more particularly, to an apparatus and method for absorbing methane-containing carbon dioxide by using calcium hydroxide and alkali compounds which enables to store absorbing liquid comprising calcium hydroxide and alkali compound; removing carbon dioxide, sulfur and dust, which are contained in methane gas, by inserting and selectively responding methane gas such as LNG, biogas to a plurality of absorption tanks in series; and obtaining high centration methane gas by circulating methane gas throughout the absorption tank again if the concentrations of refined methane gas is lower than the standard concentrations.

No. of Pages: 29 No. of Claims: 11

(21) Application No.1280/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD FOR WATER TREATMENT IN AN INDUSTRIAL PROCESS

(51) International classification :B01D1/00,C02F1/04,C02F1/16 (71)Name of Applicant : (31) Priority Document No :10 2010 044 172.4

(32) Priority Date :19/11/2010 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/070140 Filing Date :15/11/2011

(87) International Publication No: WO 2012/065988

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

:NA Number :NA Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2, 80333 München,

**GERMANY** 

(72)Name of Inventor: 1)FIEBIGER, Matthias 2)HAUSER, Andreas 3)SCHÄFER, Jochen

(57) Abstract:

The invention relates to a method for water treatment in an industrial process, wherein water (4) is treated via a thermal water treatment process (6) and heat for the thermal water treatment process (6) is taken off from a second thermal process (8) by heat exchange, and the treated water is fed to an evaporation process (2).

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

(21) Application No.1281/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SWITCH VALVE

(51) International classification :F16K1/36,F16K17/12 (71)Name of Applicant : (31) Priority Document No 1)LEINEMANN GMBH & CO. KG :10014257.9 (32) Priority Date :03/11/2010 Address of Applicant :Industriestraße 11, 38110 (33) Name of priority country :EPO Braunschweig, GERMANY (72)Name of Inventor: (86) International Application No :PCT/EP2011/005372 1)HELMSEN, Frank Filing Date :25/10/2011 (87) International Publication No :WO 2012/059190 2)KIRCHNER, Tobias (61) Patent of Addition to Application :NA

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

) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to a control valve having a valve seat and a valve disk (1), which can be moved from a closed position, in which the valve disk (1) rests on the valve seat and the relief valve is closed, into a through flow position in which the relief valve is open, wherein the valve disk (1) comprises a valve disk surface (2) having a peripheral surface rim (4) and a normal which is perpendicular to the valve disk surface (2), runs through the centre of gravity of the latter and defines a longitudinal axis L. A brim is arranged on the surface rim (4) wherein said brim has a first part (6) which projects beyond the valve disk surface (2) in the axial direction with respect to the longitudinal axis L and has a second part (8) which adjoins the first part (6) and comprises a section that is radial with respect to the longitudinal axis L.

No. of Pages: 30 No. of Claims: 7

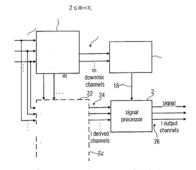
(22) Date of filing of Application :31/05/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: APPARATUS AND METHOD FOR DECOMPOSING AN INPUT SIGNAL USING A DOWNMIXER

(51) International classification	:H04S3/00	(71)Name of Applicant:
(31) Priority Document No	:61/421,927	1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG
(32) Priority Date	:10/12/2010	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastrasse 27c, 80686 Muenchen,
(86) International Application No	:PCT/EP2011/070702	GERMANY
Filing Date	:22/11/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/076332	1)WALTHER, Andreas
(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 apparatus for decomposing an input signal having a number of at least three input channels comprises a downmixer (12) for downmixing the input signal to obtain a downmixed signal having a smaller number of channels. Furthermore, an analyzer (16) for analyzing the downmixed signal to derive an analysis result is provided, and the analysis result 18 is forwarded to a signal processor (20) for processing the input signal or a signal derived from the input signal to obtain the decomposed signal (26).



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

(21) Application No.1735/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: CORROSION RESISTANT SOLAR MIRROR

(51) International :H01L31/052,G02B5/08,H01L31/02 classification

(31) Priority Document No :12/964.125 :09/12/2010 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/052244

No :20/09/2011

Filing Date

(87) International Publication :WO 2012/078227 No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application:NA Number :NA

Filing Date

(71)Name of Applicant:

1)PPG INDUSTRIES OHIO, INC.

Address of Applicant :3800 West 143rd Street, Cleveland,

Ohio 44111, U.S.A. (72)Name of Inventor: 1)MEDWICK, Paul A. 2) ABBOTT, Edward E.

### (57) Abstract:

A reflective article includes a transparent substrate having a first major surface and a second major surface. A base coat is formed over at least a portion of the second major surface. A primary reflective coating having at least one metallic layer is formed over at least a portion of the base coat. A protective coating is formed over at least a portion of the primary reflective coating. The article further includes a solar cell and an anode, with the solar cell connected to the metallic layer and the anode.

No. of Pages: 39 No. of Claims: 20

(22) Date of filing of Application :27/06/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention : HAND TOOL FOR USE IN THE QUICK DISCONNECTION OF QUICK CONNECT/DISCONNECT COUPLINGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	27/00 :13/493,140	(71)Name of Applicant:  1)DIRECT SOURCE INTERNATIONAL, LLC Address of Applicant: 6 BUCKINGHAM PLANTATION DR., BLUFFTON, SOUTH CAROLINA 29910, U.S.A. (72)Name of Inventor: 1)KADY, DARREN 2)SHOWALTER, DAVID LEE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A tool for the removal of connectors from pipes is disclosed that, in one embodiment, enables the removal of connectors from large pipes and in another embodiment from a size range of pipes. Movable and stationary gripping and pushing elements are affixed to handles to enable a pipe to be firmly gripped between a movable gripping jaw and a stationary gripping jaw and the connector prevented from movement by the movable pusher jaw and the stationary pusher jaw. The handles can compress around a pivot point or slide on a bar. In another embodiment the movable and stationary gripping and pushing elements are removable from the body of the tool.

No. of Pages: 46 No. of Claims: 19

(21) Application No.1143/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A CENTRIFUGAL SEPARATOR

(51) International classification	:B04B11/02,B04B13/00	(71)Name of Applicant :
(31) Priority Document No	:PA 2010 70482	1)ALFA LAVAL CORPORATE AB
(32) Priority Date	:12/11/2010	Address of Applicant :P.O.Box 73, SE-221 00, Lund
(33) Name of priority country	:Denmark	SWEDEN
(86) International Application No	:PCT/DK2011/050435	(72)Name of Inventor:
Filing Date	:14/11/2011	1)REIFF, Henrik
(87) International Publication No	:WO 2012/062336	2)MADSEN, Bent
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A centrifugal separator for liquids with two phases of different density comprises a bowl with a base (103) defining a first rear area (111) in a casing. At least two outlet passages (145,169) extend through the base (103). A first outlet passages communicates with a first outlet opening discharging liquid in the first rear area (111), and the second outlet passages (145) communicates with a second outlet opening (158) discharging liquid in a second rear area (113) rear of said first rear area (111). A flange (107) attached to the bowl and a partition (35a) of the casing with an annular sealing (175,179) in between separates the first and the second rear area.

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

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

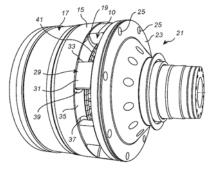
(43) Publication Date: 07/03/2014

# (54) Title of the invention : A CENTRIFUGAL SEPARATOR, WEAR RESISTANCE MEMBER AND SET OF WEAR RESISTANCE MEMBERS FOR A CENTRIFUGAL SEPARATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:B04B7/12,B04B1/00 :PA 2010 70483 :12/11/2010 :Denmark :PCT/DK2011/050424 :10/11/2011 :WO 2012/062326 :NA :NA :NA	(71)Name of Applicant:  1)ALFA LAVAL CORPORATE AB Address of Applicant: P.O.Box 73, SE-221 00 Lund, SWEDEN (72)Name of Inventor:  1)LENDZIAN, Willi B. 2)SVARRER, Hans Lauge Joakim 3)REIFF, Henrik
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#### (57) Abstract:

A centrifugal separator comprises a bowl with a conical part (17) with a narrow discharge end (15) comprising a radial surface (19); an end member (21) opposite the radial surface; a number of distance members extending between the radial surface (19) and the end member (21) and providing outlet openings (10) between adjacent distance members (27); and wear resistance members covering surfaces at the outlet openings, wherein the wear resistance members comprise bushing members (29) with mantle portions (31) surrounding respective distance members (27).



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

(21) Application No.2281/KOLNP/2013 A

1)OTSUKA PHARMACEUTICAL CO., LTD.

UNDER THE LAWS OF JAPAN, 2-9, KANDA-

Address of Applicant: A CORPORATION ORGANIZED

(19) INDIA

(22) Date of filing of Application:16/07/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: USE OF 5-HT 1A RECEPTOR SUBTYPE AGONIST FOR THE PRODUCTION OF A MEDICAMENT

(51) International classification :A61K 31/00 (31) Priority Document No :09/770,210 (32) Priority Date :29/01/2001 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/JP2002/000626 TSUKASACHO, CHIYODA-KU, TOKYO, JAPAN Filing Date :29/01/2002

(87) International Publication No : WO/2002/060423

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

(62) Divisional to Application Number :722/KOLNP/2003 Filed on :04/06/2003

2)KIKUCHI TETSURO 3)TOTTORI KATSURA 4)HIROSE TSUYOSHI 5)UWAHODO YASUFUMI

(71)Name of Applicant:

(72)Name of Inventor:

1)JORDAN SHAUN

# (57) Abstract:

Use of a compound for the production of a medicament for treating a patient suffering from a disorder of the central nervous system associated with 5-HT1A receptor subtype, which the medicament comprises an active ingredient of a carbostyril compound of formula (1): wherein the carbon-carbon bond between 3-and 4-positions in the carbostyril skeleton is a single or a double bond; and a pharmaceutically acceptable salt or solvate thereof in each unit dosage form in an amount of 0.001 to 1000mg and pharmaceutically acceptable carriers.

No. of Pages: 32 No. of Claims: 34

(22) Date of filing of Application :08/08/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention : CIRCULAR HOSIERY KNITTING MACHINE OF THE SEAMLESS TYPE WITH HIGH STITCH FORMING PRECISION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:D04B15/34 :MI2011A000315 :01/03/2011 :Italy :PCT/IB2012/050932 :28/02/2012 :WO 2012/117352 :NA :NA	(71)Name of Applicant:  1)SANTONI S.P.A.  Address of Applicant: Via Carlo Fenzi, 14, 25135 Brescia, ITALY  (72)Name of Inventor:  1)LONATI, Ettore  2)LONATI, Fausto 3)LONATI, Tiberio
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A circular hosiery knitting machine of the seamless type with high stitch forming precision. The machine (1, 1a) comprises a supporting structure (2, 2a) and a needle cylinder (4, 4a) which is oriented so that its axis (3, 3a) is substantially vertical and is provided, on its lateral surface, with a plurality of axial slots (5, 5a), each of which accommodates a needle (6, 6a) which can be actuated with a reciprocating motion along the corresponding axial slot (5, 5a). A sinker ring (7, 7a) is arranged around the upper end of the needle cylinder (4, 4a), is coaxial to the needle cylinder (4, 4a) and is provided with a plurality of radial slots (8, 8a), each of which accommodates a sinker (9, 9a), which can move with a reciprocating motion along the corresponding radial slot (8, 8a). Each sinker (9, 9a) is provided with a heel (10, 10a) which protrudes upward from the corresponding radial slot (8, 8a) and can engage at least one path defined in a sinker cover (12, 12a) which faces in an upper region the sinker ring (7, 7a). The needle cylinder (4, 4a) is actuatable with a rotary motion about its own axis (3, 3a) with respect to the supporting structure (2, 2a) and to the sinker cover (12, 12a). The machine (1, 1a) comprises means (13, 13a) for adjusting the position of the sinker cover (12, 12a) on a plane which is substantially perpendicular to the axis (3, 3a) of the needle cylinder (4, 4a) and the adjustment means (13, 13a) are interposed between the sinker cover (12, 12a) and the supporting structure (2, 2a).

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

(21) Application No.1075/KOLNP/2013 A

1)SPC TECHNOLOGY AB

STOCKHOLM SWEDEN (72)Name of Inventor:

Address of Applicant: Löjtnantsgatan 25, S-115 50

(19) INDIA

(22) Date of filing of Application: 17/04/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD AND DEVICE FOR MONITORING DOWN-THE HOLE PERCUSSION DRILLING

(51) International classification :E21B44/00,B25D9/26,E21B4/14 (71)Name of Applicant: (31) Priority Document No :1000943-9

(32) Priority Date :20/09/2010 (33) Name of priority country :Sweden

(86) International Application :PCT/SE2011/051121

No :19/09/2011 Filing Date

(87) International Publication

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

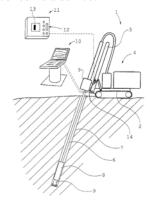
(62) Divisional to Application :NA Number :NA Filing Date

:WO 2012/039666

1)HENRIKSSON, Ivo

(57) Abstract:

A method for monitoring down-the-hole percussion drilling, wherein a down-the-hole hammer (8) is supplied with percussion and flushing fluid flow and the down-the-hole hammer is subjected to rotational force and to feed force. Percussion frequency or a related frequency of the down-the-hole hammer (8) is sensed, and a representation (16,18,19,20,21,25) of a spread thereof is created so as to produce a response to an adjustment of at least one drilling parameter as a change of width (W) of said spread. The invention also concerns a device.



No. of Pages: 32 No. of Claims: 22

(22) Date of filing of Application :25/04/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: HIGH STRENGTH GALVANIZED STEEL SHEET HAVING EXCELLENT UNIFORM ELONGATION AND ZINC COATABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification: C22C38/00, C21D9/46, C22C38/38 (71) Name of Applicant:

(31) Priority Document No :2010-253803 (32) Priority Date :12/11/2010

(33) Name of priority country :Japan (86) International Application

:PCT/JP2011/076467 :10/11/2011

Filing Date

(87) International Publication

:WO 2012/063969

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JFE STEEL CORPORATION

Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 100-0011, JAPAN

(72)Name of Inventor: 1)KENJI TAKAHASHI

2)KANEHARU OKUDA

3)YOSHIHIKO ONO

#### (57) Abstract:

The present invention provides a high strength galvanized steel sheet having strength of 440 MPa or more and less than 590 MPa, excellent uniform elongation from the viewpoint of formability, suppressed yield point elongation from the viewpoint of quality of an outer panel and excellent zinc coatability and a method for manufacturing the steel sheet. The steel sheet comprises steel having a chemical composition containing C:0.06% or more and 0.20% or less, Si: less than 0.50%, Mn: 0.5% or more and less than 2.0%, P: 0.05% or less, S: 0.02% or less, Al: 0.60% or more and 2.00% or less, N: less than 0.004%, Cr: 0.10% or more and 0.40% or less and B: 0.003% or less (including 0%), satisfying the relationships 0.8≤Mneq≤2.0 and Mneq+1.3[%Al]≥2.8, and a microstructure containing a ferrite phase as a parent phase and a second phase whose volume fraction is 15% or less, the second phase having a martensite phase whose volume fraction is 3% or more, a retained austenite phase whose volume fraction is 3% or more and a sum of the volume fractions of a pearlite phase and a bainite phase being equal to or less than the volume fraction of the martensite phase and the volume fraction of the retained austenite phase.

No. of Pages: 86 No. of Claims: 5

(19) INDIA

(22) Date of filing of Application :19/08/2013

(21) Application No.2550/KOLNP/2013 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention : ALTERNATIVE INSTALLATION OF A GAS DIFFUSION ELECTRODE IN AN ELECTROCHEMICAL CELL HAVING PERCOLATOR TECHNOLOGY

:C25B9/02,C25B9/08 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2011 017 264.5 1)UHDENORA S.P.A. (32) Priority Date :15/04/2011 Address of Applicant: VIA BISTOLFI 35-20134 MILAN, (33) Name of priority country ITALY Germany :Germany (86) International Application No :PCT/EP2012/001533 2)BAYER INTELLECTUAL PROPERTY GMBH Filing Date :07/04/2012 (72)Name of Inventor: (87) International Publication No :WO 2012/139741 1)WOLTERING, Peter (61) Patent of Addition to Application 2)2) KIEFER, Randolf :NA Number 3)3) WEBER Rainer :NA Filing Date 4)4) BULAN, Andreas (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to an electrochemical cell comprising an anode half shell (12) and a cathode half shell (11) which are separated from one another by means of a membrane (5) and having the corresponding electrodes, the anode half shell (12) and the cathode half shell (11), which each have an outer wall (13) and each have flange regions (14a, 14b, 15a, 15b) in the contact region of the two half shells, which flange regions are configured in the form of a frame, and a gas diffusion electrode (3) which consists of a liquid-permeable support which is coated with a catalyst material where the gas diffusion electrode (3) has a region at its outer margin (17) which is not coated with catalyst and projects at the lower end of the electrochemical cell (16) in the contact region of the two half shells between the flange regions of the outer wall of the cathode half shell (15b) and the flange regions of the outer wall of the anode half shell (14b) and a porous medium (8) is arranged parallel between the gas diffusion electrode (3) and the membrane (5), and also facilities for the introduction and discharge of gas (20, 21) and electrolyte (9, 10), where a gas space (22) is separated from an electrolyte space (7) by appropriate means (23). In particular the present invention is characterized in that profile internals (1), into which an upper margin (19) of the gas diffusion electrode (3) projects, on which a seal (2) which fixes the gas diffusion electrode (3) into the profile internals (1) is installed, are provided in the electrolyte space (7) in the cathode half shell (11), where the gas diffusion electrode (3) has a bending radius  $\alpha$  of < 90° relative to the verticals of the clamped gas diffusion electrode.

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

(22) Date of filing of Application :03/01/2014 (43) Publication Date: 07/03/2014

### (54) Title of the invention: AIR CONDITIONER

(51) International classification :F24F7/00,A61L9/22,F24F1/00 (71)Name of Applicant :

(31) Priority Document No :2011-144192 (32) Priority Date :29/06/2011 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/059968

Filing Date :12/04/2012 (87) International Publication No :WO 2013/001892

(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 530-8323,

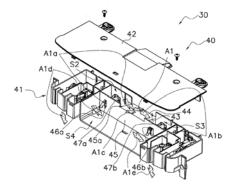
**JAPAN** 

(72)Name of Inventor:

1)Tetsuya YAMASHITA

#### (57) Abstract:

Provided is an air conditioner wherein corrosion of contact parts is minimized. Said air conditioner is provided with discharge parts and contact parts. Said discharge parts include discharge electrodes and opposing electrodes. The contact parts supply a voltage to the discharge parts. Contact-part-containing spaces (S2, S3) that contain the contact parts and discharge-part-containing spaces that contain the discharge parts are disposed within an air current. Said air current flows from the contact-part-containing spaces (S2, S3) towards the discharge part containing spaces.



No. of Pages: 24 No. of Claims: 6

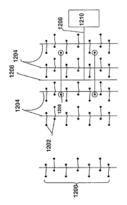
(22) Date of filing of Application :15/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : HEATER PATTERN FOR IN SITU THERMAL PROCESSING OF A SUBSURFACE HYDROCARBON CONTAINING FORMATION

(51) International classification	:E21B 43/00, E21B 36/00	(71)Name of Applicant: 1)GENIE IP B.V
(31) Priority Document No	:NA	Address of Applicant :KEIZERSGRACHT 62-64, NL-
(32) Priority Date	:NA	1015CS AMSTERDAM, THE NETHERLANDS
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/US2012/022282	1)VINEGAR, HAROLD
Filing Date	:23/01/2012	2)NGUYEN, SCOTT
(87) International Publication No	:WO/2013/112133	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention relate to heater patterns and related methods of producing hydrocarbon fluids from a subsurface hydrocarbon-containing formation (for example, an oil shale formation) where a heater cell may be divided into nested inner and outer zones. Production wells may be located within one or both zones. In the smaller inner zone, heaters may be arranged at a relatively high spatial density while in the larger surrounding outer zone, a heater spatial density may ne significantly lower. Due to the higher heater density, a rate of temperature increase in the smaller inner zone of the subsurface exceeds that of the larger outer zone, and a rate of hydrocarbon fluid production ramps up faster in the inner zone than in the outer zone. In some embodiments, a ratio between a half-maximum sustained production time and a half-maximum rise time of a hydrocarbon fluid production function is relatively large.



No. of Pages: 256 No. of Claims: 580

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : INTEGRATED CARTRIDGE FOR EXTRACTING A BEVERAGE FROM A PARTICULATE SUBSTANCE

(51) International classification:B65D 85/00(31) Priority Document No:04007293.6(32) Priority Date:26/03/2004(33) Name of priority country:EPO

(86) International Application No :PCT/EP2005/003037 Filing Date :22/03/2005

(87) International Publication No :WO/2005/092160

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

(62) Divisional to Application Number :2538/KOLNP/2006 Filed on :05/09/2006 (71)Name of Applicant: 1)ILLYCAFFE' S.P.A.

Address of Applicant :FLAVIA, 110, 34147 TRIESTE,

ITALY

(72)Name of Inventor:

1)FURIO SUGGI LIVERANI 2) LUCA MASTROPASQUA 3) FRANS VAN EEDEN

4) BRUNO DELLAPIETRA

#### (57) Abstract:

A cartridge (1) for extracting a beverage from a particulate substance (4) contained therein by means of water under pressure, the cartridge comprising: a main body comprising a cup portion (2) and a lid portion (3), the cup portion (2) comprising a base (7), a sidewall (8) and a rim (9a) opposed to the base (7), the lid portion (3) being fixedly attached to the rim (9a) of the cup portion so as to define an internal volume of the cartridge, the internal volume of the cartridge housing the particulate substance (4) comprised within filtering means (5a,5b) for retaining the particulate substance (4) and for percolating fluid substances therethrough, the lid portion (3) comprising a lid port (6b) defining a first passage for percolation fluid substances, the base (7) of the cup portion (2) comprising a cup port (6a) defining a second passage for percolation fluid substances, characterized in. that the base comprises a plurality of ridges (101a) directly formed thereon and protruding towards the internal volume of the cartridge (1), so as to support the filtering means (5a) and the particulate substance (4) and to define a fine canalization between the filtering means (5a) and the cup port (6a).

No. of Pages: 70 No. of Claims: 10

(22) Date of filing of Application :07/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SEAT FITTING FOR A MOTOR VEHICLE SEAT

(51) International classification	:B60N2/225	(71)Name of Applicant :
(31) Priority Document No	:10 2011 051 990.4	1)C. ROB. HAMMERSTEIN GMBH & CO. KG
(32) Priority Date	:20/07/2011	Address of Applicant :Merscheider Straße 167, 42699
(33) Name of priority country	:Germany	Solingen, GERMANY
(86) International Application No	:PCT/EP2012/063716	(72)Name of Inventor:
Filing Date	:12/07/2012	1)WINGENSIEFEN, Wilhelm
(87) International Publication No	:WO 2013/010918	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a seat fitting for a motor vehicle seat, with a fitting top part with a ring gear (21) that has internal toothing, a fitting bottom part with a gear wheel (4), which has external toothing and which is in engagement with the ring gear, an eccentric arranged rotatably in a bore (7) of the fitting bottom part running axially to the gear wheel, for rolling adjustment of the gear wheel relative to the hollow gear, and a drive shaft, which drives the eccentric and extends axially to the ring gear. To create a seat fitting of the aforementioned type, the swivel range of which is reliably defined by suitable means, the invention proposes arranging a cam receptacle (17) on one of the gear wheel (4) or the ring gear (21) and arranging a stop cam (16) that engages in the cam receptacle on the other of the gear wheel or ring gear, the stop cam or the cam receptacle being arranged on the gear wheel in a ring portion extending between the external toothing and the bore and on the ring gear in a zone which may be overlapped by the ring section.

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

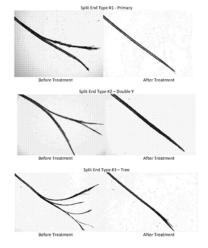
(22) Date of filing of Application :18/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HAIR-MENDING COMPOSITIONS AND ASSOCIATED METHODS

(51) International classification	:A61K 8/81	(71)Name of Applicant :
(31) Priority Document No	:61/394966	1)ALBERTO-CULVER COMPANY
(32) Priority Date	:20/10/2010	Address of Applicant :800 Sylvan Avenue, AG West, S. Wing,
(33) Name of priority country	:U.S.A.	Englewood Cliffs, NJ 07632, U.S.A.
(86) International Application No	:PCT/US2011/055370	(72)Name of Inventor:
Filing Date	:07/10/2011	1)WRIGHT, Michael
(87) International Publication No	:WO 2012/054243	2)SZERSZEN, Margaret
(61) Patent of Addition to Application	:NA	3)COHEN, Jason
Number	:NA	4)PETROSKI, Dan
Filing Date	.IVA	5)EAGAN, Deborah
(62) Divisional to Application Number	:NA	6)FELSKI, Chris
Filing Date	:NA	7)VERBOOM, Gilles

# (57) Abstract:

Disclosed herein are hair-mending compositions containing a polyelectrolyte complex. Also disclosed are methods of their use, methods of their manufacture, methods of testing their efficacy, and media methods involving hair mending.



No. of Pages: 194 No. of Claims: 9

(22) Date of filing of Application :04/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: RELEASABLE COUPLING AND INJECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61M 5/00 :0412050.7 :28/05/2004 :U.K. :PCT/GB2005/02105 :27/05/2005 :WO/2005/115506	(71)Name of Applicant:  1)CILAG GMBH INTERNATIONAL  Address of Applicant: LANDIS & GYRSTRASSE 1 CH-6300  ZUG, SWITZERLAND  (72)Name of Inventor:  1)HARRISON, NIGEL
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:NA :NA	

### (57) Abstract:

A housing (212) receives a syringe and includes a return spring (226) for biasing the syringe from an extended position in which its needle (218) extends from the housing to a retracted position in which it does not. A drive spring (230) acts on a first drive element (232) and a second drive element (234) acts upon the syringe to advance it from its retracted position to its extended position and discharge its contents through the needle. The first drive element is capable of movement relative to the second once a nominal coupling position has been reached. A release mechanism is activated when the first drive element (234) is further advanced to a nominal release position, to release the syringe (214) from the action of the drive spring, whereupon the return spring restores the syringe to its retracted position.

No. of Pages: 22 No. of Claims: 14

(21) Application No.2283/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: COMBINATION OF ACYLATED GLUCAGON ANALOGUES WITH INSULIN ANALOGUES

(51) International classification :A61K38/26,A61K38/28,A61P3/04

(31) Priority Document No :61/434,698 (32) Priority Date :20/01/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/IB2012/000134

No Filing Date :20/01/2012

(87) International Publication :WO 2012/098462

No
(61) Patent of Addition to

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

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant : 1)ZEALAND PHARMA A/S

Address of Applicant: Smedeland 36, DK-2600 Glostrup,

DENMARK

(72)Name of Inventor: 1)FOSGERAU, Keld 2)RIBER, Ditte

## (57) Abstract:

The invention relates to methods for treating metabolic disorders, including diabetes by using a combination of an acylated glucagon analogue and an insulin analogue. The invention also features a kit that includes an acylated glucagon analogue and an insuline analogue.

No. of Pages: 135 No. of Claims: 111

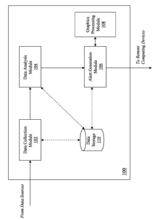
(22) Date of filing of Application :06/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PREDICTING THE POTENTIAL FOR SEVERE WEATHER

(51) International classification	:G01W1/00	(71)Name of Applicant :
(31) Priority Document No	:13/177,266	1)EARTH NETWORKS,INC.
(32) Priority Date	:06/07/2011	Address of Applicant :12410 Milestone Center Drive, Suite
(33) Name of priority country	:U.S.A.	300, Germantown, MD 20876 U.S.A.
(86) International Application No	:PCT/US2012/042966	(72)Name of Inventor:
Filing Date	:18/06/2012	1)MARSHALL, Robert, S.
(87) International Publication No	:WO 2013/006259	2)SLOOP, Christopher, Dale
(61) Patent of Addition to Application	:NA	3)BEROUKHIM, Benjamin, E.
Number	:NA	4)LIU, Chonglin
Filing Date	.IVA	5)HECKMAN, Stan
(62) Divisional to Application Number	:NA	6)HOEKZEMA, Mark, A.
Filing Date	:NA	

### (57) Abstract:

Methods and apparatuses, including computer program products, are described for predicting the potential for severe weather. Data associated with lightning activity is received by a computing device. A location, a movement speed, a movement direction, and a lightning rate of one or more cells of lightning activity are determined by the computing device based on the received data. The lightning rate is compared, by the computing device, to a threshold lightning rate. One or more geographical areas at risk are determined by the computing device based on the location, the movement speed and the movement direction of the one or more cells of lightning activity. An alert is issued by the computing device to one or more remote devices monitoring the geographical areas when the lightning exceeds a value of the threshold lightning rate.



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

(19) INDIA

(22) Date of filing of Application :06/09/2013

(21) Application No.2691/KOLNP/2013 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: 1, 3-DIOXAN-5-ONE COMPOUNDS

(51) International :C07D319/06,C07D405/14,C07D409/14 classification

(31) Priority Document

:10 2011 010 841.6

:16/01/2012

:10/02/2011 (32) Priority Date (33) Name of priority :Germany country

(86) International

:PCT/EP2012/000155 Application No

Filing Date

(87) International :WO 2012/107158

**Publication No** 

(57) Abstract:

(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) RUDOLPH, Thomas 2)BUEHLE, Philipp 3)ROSSKOPF, Ralf

The invention relates to specific 1,3-dioxan-5-one compounds, to a process for preparation thereof, and to the use thereof as dyes or as fluorescent emitters for organic electroluminescent devices (OLEDs) or for organic light-emitting electrochemical cells (OLECs), and to corresponding electronic devices.

No. of Pages: 105 No. of Claims: 16

(21) Application No.3202/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013 (43) Publication Date: 07/03/2014

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

(51) International

:H01M2/18,B29C65/02,B29C65/80

classification

(31) Priority Document No :2011-085753

(32) Priority Date

:07/04/2011

(33) Name of priority country: Japan (86) International Application

:PCT/JP2012/059477

No

Filing Date

:06/04/2012

No

(87) International Publication :WO 2012/137905

:NA

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

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

Filing Date

(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)YUHARA Hiroshi

2)YANAGI Takahiro

3)YAMASHITA Manabu

## (57) Abstract:

This joining device is provided with: a pair of cylindrical rotating bodies (210, 220) of which the width of the holding surfaces (211, 221) that hold each of a pair of sheet members (30) is narrower than the width of the pair of sheet members. The joining device has: a conveyance unit (200) that successively causes the overlapping of the pair of sheet members while conveying the pair of sheet members by turning the pair of cylindrical rotating bodies; and a joining unit (first joining unit (300)) that successively joins the portions of the overlapped pair of sheet members that exceed and protrude from the holding surfaces of the cylindrical rotating bodies.

No. of Pages: 44 No. of Claims: 12

(21) Application No.3263/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/11/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD AND DEVICE FOR ALIGNING A BELT PLY

(51) International classification :B29D30/30,B29D30/70,B65H9/16

:NA

(31) Priority Document No :10 2011 018 723.5

(32) Priority Date :12/04/2011 (33) Name of priority country :Germany

(86) International Application :PCT/DE2012/000395

No :12/04/2012

Filing Date

(87) International Publication :WO 2012/139556

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

Filing Date
(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)HARBURG-FREUDENBERG MASCHINENBAU GMBH

Address of Applicant : Seevestraße 1, D-21079 Hamburg,

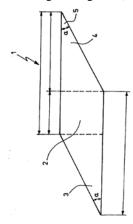
**GERMANY** 

(72)Name of Inventor:

1)Werner WEDEKIND

#### (57) Abstract:

The method and the device serve for aligning a belt strip, which has a middle part (2) and triangular end pieces (3, 4). The belt strip is wound onto a tyre building drum in such a way that the triangular end regions (3, 4) extend next to one another, at least in certain regions. At least one of the triangular regions (3, 4) is changed in its alignment, at least in certain regions. This achieves the effect that the triangular regions (3, 4) extend next to one another on the tyre building drum with matching edge contours.



No. of Pages: 32 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :05/11/2013

(21) Application No.3264/KOLNP/2013 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: A POWER TRANSMITTING APPARATUS

(51) International

:F16D25/12,F16D25/0638,F16D25/10

classification

(31) Priority Document No :2011-102059

(32) Priority Date (33) Name of priority :28/04/2011

country

:Japan

(86) International :PCT/JP2012/061254 Application No

Filing Date

:26/04/2012

(87) International

:WO 2012/147868 Publication No

(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)KABUSHIKI KAISHA F.C.C.

Address of Applicant: 7000-36, Nakagawa, Hosoe-cho, Kita-

ku, Hamamatsu-shi, Shizuoka, JAPAN

2)ARAI SEISAKUSHO CO., LTD.

3)KANETA KOGYO CO., LTD.

(72)Name of Inventor:

1)Shouji ASATSUKE

2)Takumi NAGATA

3)Jun ISHIMURA

4)Shuji HASHIMOTO

5) Kenichi HASEGAWA

## (57) Abstract:

[Problem] To provide a power-transmission device whereby power-transmission efficiency is increased, gear-shifting time lag is decreased, and manufacturing costs are reduced by making a seal member, which is attached so as to surround a supply-port opening, easily mountable to the outer surface of an input shaft. [Solution] A configuration is used in which a hydraulic oil is selectively supplied to a hydraulic chamber (either S1 or S2) in order to press together drive-side clutch plates and driven-side clutch plates in a desired gear-stage clutch means, thereby allowing power transmission at a prescribed gear ratio. Annular seal members (12 and 13) are attached so as to surround the openings of supply ports (P1 and P2) at the outer surface of an input shaft (6), recessed portions (6c) having flat bottoms (a) are formed in regions containing the openings of the supply ports at the outer surface of the input shaft (6), and the seal members (12 and 13) are made attachable along said recessed portions (6c).

No. of Pages: 35 No. of Claims: 5

(21) Application No.3265/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/11/2013

(43) Publication Date: 07/03/2014

## (54) Title of the invention: ROTARY TABLET PRESS WITH TABLET OUTLET, TABLET OUTLET FOR SAID ROTARY TABLET PRESS AND METHOD FOR PRODUCING TABLETS ON A TABLET PRESS

(51) International

:B30B11/00,B30B11/08,B30B15/32

classification

:102011050290.4

(31) Priority Document No (32) Priority Date

:11/05/2011

(33) Name of priority country: Germany

(86) International Application :PCT/IB2012/052317

No Filing Date

:09/05/2012

(87) International Publication: WO 2012/153283

(61) Patent of Addition to :NA

**Application Number** 

:NA

Filing Date (62) Divisional to Application:NA

Number

:NA

(57) Abstract:

Filing Date

(71)Name of Applicant:

1)IMA KILIAN GMBH & CO. KG

Address of Applicant :Scarletallee 11, D-50735 Köln,

**GERMANY** 

(72)Name of Inventor:

1) CARSTENS, Jens

2)ZIETMANN, Uwe

3)STRERATH, Mark

4)MÜLLER, Horst

The invention relates to a rotary tablet press, having a rotor, which is driveable about a vertical axis of rotation and has a die plate (4) with die bores (5) for producing tablets inside the die bores by means of punch pairs, having at least one filling station, having at least one pressing station, and having at least one tablet outlet (20) for removing the produced tablets out of the rotary tablet press, with which is associated a discharging device (13), by way of which tablets, in dependence on a control signal, can be supplied as single tablets to a first channel (21) or as a tablet stream to a second channel (22) in the tablet outlet (20). In order to enable increased production output with improved adherence to the demands on the tablets, a weighing device (40) with a weighing cell is incorporated into the tablet outlet (20), tablets from the first channel (21) being suppliable to said weighing device by means of a supply channel (28).

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

(22) Date of filing of Application :05/11/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD AND MEASURING DEVICE FOR INVESTIGATING A MAGNETIC WORKPIECE

(51) International classification: G01M13/02,G01L3/10,G01N3/22 (71)Name of Applicant: (31) Priority Document No :10 2011 080 282.7

(32) Priority Date :02/08/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/064572

:25/07/2012 Filing Date

(87) International Publication :WO 2013/017493

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

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

(57) Abstract:

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2, 80333 München

**GERMANY** 

(72)Name of Inventor:

1)BRUMMEL, Hans-Gerd

2)LINNERT, Uwe 3)MAIER, Carl Udo 4)OSTERMAIER, Jochen 5)PFEIFER, Uwe

A method for investigating a magnetic workpiece (2) comprises the following steps: -measuring internal mechanical stresses on the workpiece (2) without a load; -measuring internal mechanical stresses on the workpiece (2) with a load; -setting up a calibrating function (7) by means of the two measurements for at least one measuring point; -measuring an externally introduced mechanical stress at the at least one measuring point while taking into consideration the calibrating function (7).

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

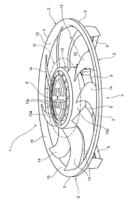
(22) Date of filing of Application :04/09/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FAN MODULE FOR A HEAT EXCHANGER

(51) International classification	:F04D 29/00	(71)Name of Applicant:
(31) Priority Document No	:TO2012A000765	1)JOHNSON ELECTRIC S.A.
(32) Priority Date	:05/09/2012	Address of Applicant :BAHNHOFSTRASSE 18, CH-3280
(33) Name of priority country	:Italy	MURTEN SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DAVIDE PARODI
(87) International Publication No	: NA	2)PIERGIORGIO INNOCENTI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fan module (1) includes a support structure (2), a motor (6), and an impeller (12). The support structure (2) includes an outer frame (3), an inner seat (5), and spokes (4) connecting the outer frame (3) to the inner seat (5). The motor (6) includes a stator (7) fixed to the inner seat (5), a rotor (8) rotatably mounted to the stator (7), a heat sink (11) at one end of the stator (7), and a control circuit (9) in thermal contact with the heat sink (11). The impeller (12) includes a hub (13) having a front wall (13a), a side wall (13b) spaced from the front wall (13a), and inner vanes (17) extending from the side wall (13b) and connected to the front wall (13a). Top ends of two adjacent inner vanes (17) are spaced from each other with an intake opening (17c) defined therebetween.



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

(22) Date of filing of Application: 12/11/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: SYSTEMS AND METHODS FOR MANAGING SECURE COMMUNICATION SESSIONS WITH REMOTE DEVICES

(51) International classification: G06F7/04,G06F15/16,G06F17/30 (71) Name of Applicant: 1) SCHWEITZER ENGINEERING LABORATORIES, (31) Priority Document No :13/166,648 (32) Priority Date :22/06/2011 (33) Name of priority country Address of Applicant: 2350 NE Hopkins Court, Pullman, WA :U.S.A. (86) International Application 99163 U.S.A. :PCT/US2012/043593 (72)Name of Inventor: :21/06/2012 Filing Date 1)SMITH. Rhett (87) International Publication 2) Nathan Paul KIPP :WO 2012/177912 3)BRADETICH Ryan (61) Patent of Addition to 4)YAUCHZEE Kimberly Ann :NA **Application Number** 5)CHRISTOPHER EWING :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

According to various embodiments, a session manager generates, stores, and periodically updates the login credentials for each of a plurality of connected IEDs. An operator, possibly via an access device, may provide unique login credentials to the session manager. The session manager may determine the authorization level of the operator based on the operators login credentials, defining with which IEDs the operator may communicate. According to various embodiments, the session manager does not facilitate a communication session between the operator and a target IED. Rather, the session manager maintains a first communication session with the operator and initiates a second communication session with the target IED. Accordingly, the session manager may forward commands transmitted by the operator to the target IED. Based on the authorization level of the operator, a session filter may restrict what may be communicated between an operator and an IED.

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

(22) Date of filing of Application :12/11/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: OPTICAL MEASUREMENT DEVICE FOR REACTION VESSEL AND METHOD THEREFOR

(51) International classification :G01N21/78,G01N21/64,G01N35/00

(31) Priority Document No :2011-109918 (32) Priority Date :16/05/2011 (33) Name of priority

country :Japan

(86) International :PCT/JP2012/062550 Application No

Filing Date :16/05/2012

(87) International Publication No :WO 2012/157685

(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)UNIVERSAL BIO RESEARCH Co.,Ltd.

Address of Applicant :88, Kamihongou, Matsudo-shi, Chiba

271-0064 Japan

(72)Name of Inventor : 1)TAJIMA Hideji

(57) Abstract :

The present invention relates to an optical measurement device for a reaction vessel, and a method therefor. The purpose of the present invention is to measure the optical state within a reaction vessel in an efficient, rapid, and highly reliable manner, without increasing the scale of equipment. This optical measurement device is configured to comprise: a vessel group in which at least two reaction vessels are arranged; a light guide stand having at least two linking parts which can be linked to each reaction vessel and to which a leading end of a flexible light guide unit optically connected to the interior of a linked reaction vessel is provided; a connection array having an arrangement surface for supporting at least two connection ends to which is provided a rear end of the light guide unit of which the leading end is provided to the linking part, the connection ends being provided so as to correspond to each linking part and being arranged along a predetermined pathway; measuring instruments which are provided so as to be in proximity to or contact with the arrangement surface and have a measurement end capable of optically connecting to each connection end in sequence along the predetermined pathway, the measuring instrument being permitted to receive light from the reaction vessel by the optical connection between the connection end and the measurement end; and a light guide switching mechanism for moving each measurement end and each connection end arranged in the connection array in a relative manner so as to optically connect same in sequence.

No. of Pages: 109 No. of Claims: 24

(21) Application No.1210/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: BINDER FOR MAT OF FIBERS, ESPECIALLY MINERAL FIBERS, AND PRODUCTS OBTAINED

(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	:C03C25/32,C09J103/00,C09J105/00 :1058992 :02/11/2010 :France :PCT/FR2011/052557 :02/11/2011 :WO 2012/059687 :NA	(71)Name of Applicant:  1)SAINT- GOBAIN ADFORS Address of Applicant:517 AVENUE DE LA BOISSE, F- 73000 CHAMBERY FRANCE (72)Name of Inventor: 1)VARAGNAT, MATTHIEU 2)JAFFRENNOU,BORIS 3)CHUDA, KATARZYNA 4)LAMOU, SAID
Filing Date (62) Divisional to	:NA :NA	
Application Number Filing Date	:NA	

#### (57) Abstract:

PATENT BINDE FOR MINERAL FIBER MAT, AND PRODUCTS OBTAINED Applicant: SAINT-GOBAIN ADFORS ABSTRACT The present invention concerns a binder for a mat of fibers, especially mineral fibers, which comprises: - at least one monosaccharide and/or at least one polysaccharide; - at least one polycarboxylic organic acid with a molar mass of 1000 or less; - and at least one vinyl acetate homopolymer or copolymer. It also concerns the products resulting from treatment of the fibers, especially mineral, with said binder.

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

(22) Date of filing of Application :30/10/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: DEVICE FOR PRODUCING AND METHOD FOR PRODUCING PACKAGED ELECTRODE

(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	:H01M4/139,H01M10/04,H01M4/04 :2011-085741 :07/04/2011 :Japan :PCT/JP2012/059475 :06/04/2012 :WO 2012/137904 :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)YUHARA Hiroshi 2)YANAGI Takahiro 3)YAMASHITA Manabu
Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This device for producing a bagged electrode has: a pair of cylindrical rotating bodies (310, 320) that are arranged with the outer peripheral surface (311) of each facing the other and that convey a separator (40) by rotating while holding the separator (40) at the outer peripheral surface; an electrode conveyance section (200) that conveys an electrode (22) having a predetermined shape in a direction tangential to the cylindrical rotating bodies towards the gap between the pair of cylindrical rotating bodies; and a joining section (400) that joins the separators together in the state of the electrode being sandwiched between the pair of separators conveyed by the pair of cylindrical rotating bodies. Also, the electrode is bagged by the separator by simultaneously delivering and layering the pair of separators from the rotating cylindrical rotating bodies to both surfaces of the electrode in the state of being conveyed by the electrode conveyance section, and joining the pair of separators delivered to both surfaces of the electrode to each other by means of the joining section.

No. of Pages: 57 No. of Claims: 4

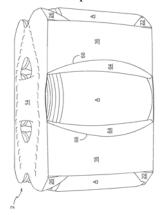
(22) Date of filing of Application :30/10/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CARTON FOR PACKAGING ARTICLES, BLANK AND METHOD FOR FORMING SAME

(51) International classification	:B65D71/18,B65D71/22	(71)Name of Applicant:
(31) Priority Document No	:61/471,544	1)MEADWESTVACO PACKAGING SYSTEMS, LLC
(32) Priority Date	:04/04/2011	Address of Applicant :IP Law Group-Patents, 501 South 5th
(33) Name of priority country	:U.S.A.	Street, Richmond, Virginia 23219-0501, U.S.A.
(86) International Application No	:PCT/US2012/031125	(72)Name of Inventor:
Filing Date	:29/03/2012	1)IKEDA Tamio
(87) International Publication No	:WO 2012/138535	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A package includes a carton (2) and articles (A). The carton includes primary walls (10, 12, 14, 16, 18) a first one (16) of which has at least one window flap (64) struck therefrom. The at least one window flap is connected at its hinged connection (68) to the first wall (16) for movement between a first position in which the at least one window flap is coplanar with the first wall and a second position in which the at least one window flap extends into the interior volume to define a window (66) in the first wall through which one of the articles is exposed to view. The at least one window flap (64) is allowed to move unimpeded by the one article when moving from the first position to the second position whereas it is in engagement at its free end edge at least in part with the one of the articles when in the second position.



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

(21) Application No.3341/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/11/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SUBMERSIBLE PUMP AND METHOD FOR ASSEMBLING A SUBMERSIBLE PUMP

(51) International :F04D13/08,F04D13/10,F04D29/60

classification

(31) Priority Document No :10 2011 077 777.6 (32) Priority Date :17/06/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/060096

No :30/05/2012

Filing Date :WO 2012/171792

(87) International Publication No

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KSB AKTIENGESELLSCHAFT

Address of Applicant :Johann Klein Straße 9 67227

Frankenthal Germany (72)Name of Inventor: 1)FATH, Michael 2)JÄGER Christoph

3)WERNER, Boris

#### (57) Abstract:

The invention relates to an immersion pump (1), comprising an integral housing (2) having an inlet opening on the intake side, an outlet opening on the delivery side and a passage for electrical lines, an electronic unit for processing power and optionally information signals, an electric motor, a pressure chamber and a pump unit, wherein the electronic unit, the electric motor, the pressure chamber and the pump unit can be pre-assembled to an insert, the pre-assembled insert is supported on one end of the housing (2) and an axial clamping and/or fastening system (10, 11, 12), in particular a Taperlock system, is provided on the opposite end of the housing.

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

(21) Application No.1548/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SKEW PLATE-TYPE HYDRAULIC ROTARY MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(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)OHNO, Takeshi (DECEASED) 2)SUZUKI, Takahisa 3)WADA, Hisao
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#### (57) Abstract:

Provided is a skew plate-type rotary machine equipped with: a rotary shaft (3); a valve plate (4); a skew plate (15); a cylinder block (9) fitted onto rotary shaft (3) so as to be in sliding contact with the valve plate (4); cylinders (11) provided in the cylinder block (9); pistons (13) inserted in the axial direction (L) into the cylinders (11) so as to be capable of reciprocating movement; shoes (14) fitted onto the tips of the pistons (13); a circular pressing plate (17) that is provided between the skew plate (15) and the cylinder block (9) and supports the shoes (14); a bushing (80) that is inserted at the inner circumference of the pressing plate (17) and that supports the pressing plate (17) while pressing it toward the skew plate (15); and set springs (20) that bias the bushing (80) and the cylinder block (9) so as to repel in the axial direction (L). In addition when assembled, the clearance in the axial direction (L) between the cylinder block (9) and the bushing (80) is 0 or minimal.

No. of Pages: 34 No. of Claims: 6

(22) Date of filing of Application :31/10/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: CARRYING APPARATUS AND CARRYING METHOD FOR BATTERY ELECTRODE MEMBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M4/04 :2011-085725 :07/04/2011 :Japan :PCT/JP2012/059506 :06/04/2012 :WO 2012/137919 :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)YUHARA Hiroshi 2)Manabu YAMASHITA
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#### (57) Abstract:

This conveyance device conveys a battery electrode member (foil shaped, band shaped electrode material or foil shaped electrode). The conveyance device is provided with a conveyer that curves, grasps, and conveys the electrode member. The conveyer is configured in a manner so as to hold the electrode member at a position at which there is no contact with components of other steps that are downstream in the direction of conveyance. By curving the electrode member, the rigidity in the direction of conveyance is heightened, and drooping downwards is prevented. Also, the grasping position of the conveyer is a position at which there is no contact with components of other steps that are downstream. Consequently, by means of the conveyance device, it is possible to reliably convey the electrode member (electrode or tip of a band shaped electrode material) to a target position reliably.

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

(22) Date of filing of Application :16/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SYSTEM AND METHOD FOR PARAMETERIZING FIELD DEVICES OF AN AUTOMATION OR CONTROL SYSTEM

(51) International :H04L12/40,H04L12/24,H04L29/08

classification

(31) Priority Document No :10 2011 107 321.7 (32) Priority Date :06/07/2011

(33) Name of priority country: Germany

(86) International Application :PCT/EP2012/002824

No :05/07/2012

Filing Date (87) International Publication :WO 2013/004384

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

Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant:

1)ABB AG

Address of Applicant: Kallstadter Str. 1, 68309 Mannheim,

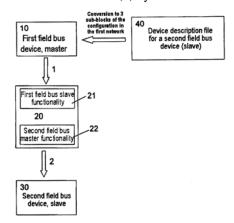
**GERMANY** 

(72)Name of Inventor:

1) ISMAIL, Muhamad Ikhwan 2) GUTERMUTH, Stefan

#### (57) Abstract:

The invention relates to a system and method for parameterizing field devices (30) of an automation or control system, having a higher- ranking unit (10), which is connected via a first communication link (1) based on a first field bus protocol to a communication interface module (20). The communication interface module (20) is connected via a second communication link (2) based on a second field bus protocol (2) to at least one field device (30). In the higher-ranking unit (10), sub-blocks are generated and stored from the data structure for configuring the field device (30) that is stored in a device description file (14) for the field device (30). A first network service transmits the parameters of the field device (30), which are stored in sub blocks, from the higher-ranking unit (10) via the first communication link (1) into a first functionality of the communication interface module (20) that operates as a slave function. A further functionality integrated into the communication interface module (20) evaluates the parameters of the field device (30) that are stored in sub blocks and combines said parameters to form a single configuration block. The combined configuration block is loaded into a field bus master stack of the communication interface module (20) and, via a second functionality of the communication interface module (20) that operates as a master function, the configuration block is transmitted into the field device (30) via the second communication link (2) by means of a second network service.



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

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SYSTEMS AND METHODS FOR SYNCHRONIZING VARIOUS TYPES OF DATA ON A SINGLE PACKET

(51) International classification: G06F3/06,B62D41/00,B64D47/00 (71) Name of Applicant: (31) Priority Document No 1)L-3 COMMUNICATIONS CORPORATION :13/177,136 (32) Priority Date Address of Applicant: 100 Cattlemen Road, Sarasota, Florida :06/07/2011 (33) Name of priority country 34232 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2012/024047 1) CARRO, Eduardo M. :07/02/2012 Filing Date 2)BERECZ, Endre (87) International Publication :WO 2013/006210 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

Data recording systems (100) and methods (400) for synchronizing data of a plurality of different data types on a single packet (300). The methods involve: receiving the data and an audio frame containing voice data and timing data communicated over a plurality of channels; generating, in response to the reception of the audio frame, a combined packet on which the audio frame and at least a portion of the data are time synchronized to each other; and substantially simultaneously storing the combined packet in a primary data store and a secondary data store of a data recorder for subsequent use in reconstructing events leading up to a crash of a land vehicle, aircraft or vessel. The portion of data may include data link data, flight data and/or image/video data. The channels may include a cockpit channel and a plurality of pilot channels.

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

(22) Date of filing of Application :16/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: DEVICE HAVING A DISCONTINUOUSLY OPERATING CENTRIFUGE FOR SEPARATING SYRUP FROM SUGAR MASSECUITES AND METHOD FOR OPERATING SUCH A DEVICE

(51) International classification: B04B7/02, B04B11/04, C13B30/06 (71) Name of Applicant:

(31) Priority Document No :10 2012 004 968.4 (32) Priority Date :14/03/2012 (33) Name of priority country :Germany

(86) International Application :PCT/EP2013/055157

:13/03/2013

Filing Date (87) International Publication

:WO 2013/135774

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

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

1)BMA BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT AG

Address of Applicant: Am Alten Bahnhof 5, 38122

Braunschweig, GERMANY (72)Name of Inventor: 1)Andreas LEHNBERGER

2)Dirk SPANGENBERG 3)Igor DJOUKWÉ

#### (57) Abstract:

A device having a centrifuge for separating syrup from massecuites that operates discontinuously in batches has a centrifuge housing having a wall (11) and a bottom (12) and a cylindrical centrifuge drum (20) in the centrifuge housing (10). Drain openings (41 42) are provided in the centrifuge housing (10). A first receiving container (61) for the syrup draining from the drain openings (41 42) is used in particular to receive a green drainage (25). A second receiving container (62) for the syrup draining from the drain openings (42) is used in particular to receive a white drainage (26). A control device (81) and valve or shut off assemblies (71 72) on or in the drain opening (42) or in connecting lines (52 53) from the drain opening (42) to the receiving containers (61 62) which valve or shut off assemblies can be controlled by the control device are provided for separating green drainage (25) and white drainage (26). At least one sensor (80) is provided in the transport path of the syrup between the impact of the syrup on the wall (11) of the centrifuge housing (10) and the controllable valve or shut off assemblies (71 72). The sensor (80) has a measuring device for measuring a physical value that is representative of the difference between green drainage (25) and white drainage (26). The control device (81) is designed in such a way that the control device controls the valve or shut off assemblies (71 72) in accordance with the measured values of the physical value transmitted by the sensor (80).

No. of Pages: 45 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

:NA

:NA

## (54) Title of the invention: FITTING FOR AN ADJUSTMENT DEVICE OF A MOTOR VEHICLE SEAT

(51) International classification :B60N2/225,F16H1/28 (71)Name of Applicant : (31) Priority Document No :10 2011 052 044.9 1)C. ROB. HAMMERSTEIN GMBH & CO. KG (32) Priority Date :21/07/2011 Address of Applicant: Merscheider Strasse 167, 42699 (33) Name of priority country :Germany Solingen, GERMANY (86) International Application No :PCT/EP2012/063151 (72)Name of Inventor: Filing Date :05/07/2012 1)HOFFMANN, Andreas (87) International Publication No :WO 2013/010808 (61) Patent of Addition to Application :NA :NA Filing Date

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

### (57) Abstract:

Filing Date

Fitting for an adjustment device of a motor vehicle seat. The invention relates to a fitting (1) for an adjustment device, in particular inclination adjustment of a motor vehicle seat, with a fitting upper part (2) having a first internal toothing (4), a fitting lower part (3) which is adjustable relative to the fitting upper part about a fitting axis and has a second internal toothing (5) arranged coaxially with respect to the first internal toothing, at least two, preferably, three, rotatably arranged planet gears (7) which are in engagement with the first and second internal toothings and a drive shaft (6) which is in operative connection with the at least two planet gears by means of a pinion (23). In order to provide a fitting of the type mentioned at the beginning, in which noise loads and buckling effects are avoided even after a relatively long period of operation, a spring element (11) prestressing the planet gears (7) in the direction of the axis of rotation onto the fitting lower part (3) or fitting upper part (2) is provided.

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

(62) Divisional to Application Number

(22) Date of filing of Application :02/01/2014 (43) Publication Date : 07/03/2014

## (54) Title of the invention: MULTY-CYLINDER RECIPROCATING ROTARY ENGINE

(51) International :F02B53/00,F02B55/02,F02B55/08

classification .F02B33/00,F02B33/02,F02B3

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/US2011/000995

No :102/06/2011 Filing Date

(87) International Publication :WO 2012/166080

No (61) Patent of Addition to N

Application Number Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)KAMENOV, Kamen, George

Address of Applicant :2470 Fulton St. No. 5, San Francisco,

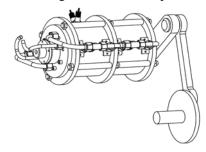
CA 94118, U.S.A.

(72)Name of Inventor:

1)KAMENOV, Kamen, George

### (57) Abstract:

A highly efficient, low weight to power ratio and adjustable high compression, gasoline or diesel internal combustion engine consisting of a multitude of cylindrical casings parallel to each other or aligned sequentially on one axle. Each casing having one radially extending vane affixed to a shaft rotatably mounted within the casing upon two end plates and one longitudinally extending wall affixed on the inside of the casing. The casing and/or the end plates equipped with plurality of ports and conduits which enable communication between interior chambers of the cylinders, allowing for intake of combustible air, fuel mixture and exhaust thereafter. Ignition means delivering a spark at the end of each working cycle. An extendable and adjustable connecting rod assembly converting the oscillating bi-directional rotary motion of the power output shaft into a continuous unidirectional motion of the main shaft. A self lubricating mechanism incorporated into the engine.



No. of Pages: 44 No. of Claims: 9

(21) Application No.3727/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: REMOTE CONTROL DEVICE FOR VEHICLE

(51) International

:F02N11/08,F02D17/00,F02D29/02 classification

(31) Priority Document No :2011-114605 :23/05/2011 (32) Priority Date

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/054531

No :24/02/2012 Filing Date

(87) International Publication :WO 2012/160848

No

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku,

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor:

1) Kazuma TAKAHASHI

2) Takayuki IWASAKI

(57) Abstract:

A vehicle remote control apparatus can remotely operate the starting and stopping of an engine installed on a vehicle. The vehicle remote control apparatus is provided with: a remote controller for transmitting an engine start request and a stop request; and an engine control means for terminating fuel supply to the engine to stop the engine when at least one of either the elapsing of a predetermined compulsory-off time or the receiving of the stop request has occurred after the engine has been started in response to the start request.

No. of Pages: 25 No. of Claims: 7

(21) Application No.3728/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: VIBRATION DAMPING DEVICE FOR RAILWAY VEHICLE

(51) International

:B61F5/24,F15B11/028,F15B21/04

classification

(31) Priority Document No :2011-175562

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

:11/08/2011

(86) International Application

:PCT/JP2012/069958

No

:06/08/2012 Filing Date

(87) International Publication

:WO 2013/021963

No

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KAYABA INDUSTRY CO., LTD.

Address of Applicant: World Trade Center Bldg., 4-1.

Hamamatsu-cho 2-chome, Minato-ku, Tokyo 105-6111 JAPAN

(72)Name of Inventor:

1)Takavuki OGAWA

2)Jun AOKI

3)Tsutomu SUZUKI

4)Masaru UCHIDA

5)Chie YABUKI

#### (57) Abstract:

A vibration damping device for a railway vehicle comprises: an actuator having a cylinder which is connected to a bogie of the railway vehicle, a piston, a rod which is connected to both the piston and the vehicle body, a rod-side chamber and a piston-side chamber which are located within the cylinder, a first on-off valve for a first path which connects the rod-side chamber and the pistonside chamber, a second on-off valve for a second path which connects the piston-side chamber and a tank, and a pump which supplies hydraulic oil to the-rod side chamber; and a damper circuit for causing the actuator to function as a damper. The hydraulic oil has kinematic viscosity-temperature characteristics in which the kinematic viscosity of the hydraulic oil falls within the range from 7 mm/s to 50 mm/s when the temperature of the hydraulic oil is within the range from 20°C to 60°C.

No. of Pages: 38 No. of Claims: 7

(21) Application No.3729/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: NEGATIVE ELECTRODE ACTIVE MATERIAL FOR ELECTRICAL DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:09/03/2012 :WO 2012/160858 :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)Manabu WATANABE 2)Masao YOSHIDA 3)Osamu TANAKA
Filing Date	:NA	

### (57) Abstract:

This negative electrode active material for electrical devices comprises an alloy containing at least 27 mass% but less than 100 mass% of Si, more than 0 mass% but not more than 73 mass% of Sn, and more than 0 mass% but not more than 73 mass% of V, with the remainder consisting of unavoidable impurities. The negative electrode active material can be obtained by using a multidimensional DC magnetron sputtering apparatus with Si, Sn and V as targets, for example. Electrical devices that use this negative electrode active material exhibit an improvement in cycle life, and outstanding capacity and cycle durability.

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

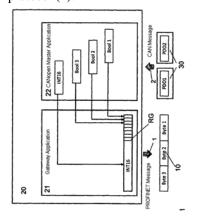
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR TRANSMITTING A PROCESS MAP VIA A GATEWAY 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>	:G05B19/042 :10 2011 107 323.3 :06/07/2011 :Germany :PCT/EP2012/002821 :05/07/2012 :WO 2013/004381 :NA :NA	(71)Name of Applicant:  1)ABB AG  Address of Applicant: Kallstadter Str. 1, 68309 Mannheim, GERMANY (72)Name of Inventor:  1)ISMAIL, Muhamad Ikhwan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a method for transmitting a process map of a control or automation system via a gateway device (20), which comprises at least one first functional unit (21), to which a higher-ranking control unit is connected via a first communications link (1) based on a primary field bus protocol, and at least one second functional unit (22), to which at least one field device (30) is connected via a second communications link (2) based on a secondary field bus protocol. Process variables provided by the field devices (30) are transmitted as process data objects (PDO1), (PDO2) based on the secondary field bus protocol (2) into the second functional unit (22) of the gateway device (20), which operates as a master task, as telegrams. The process data objects (PDO1), (PDO2), which are present as digital signals, are assigned corresponding registers (Bool1), (Bool2), (Bool3), which are present in binary form. The process data objects (PDO1), (PDO2) present as analog objects are assigned corresponding addresses in the integer format (INT16). The binary signals (Bool1), (Bool2), (Bool3) stored in the corresponding registers and the analog signals present in the integer format (INT16) are transmitted into the first functional unit (21) that operates as a gateway task in such a manner that the number of binary signals is reduced by packing the binary signals into data blocks of eight bits each, which then respectively form a byte and are translated into corresponding telegrams that can be processed by the primary field bus protocol (1) which, together with the analog signals present in the integer format (INT 16), are transmitted to the higher-ranking control unit on the basis of the primary field bus protocol (1).



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

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ORGANIC INFRARED ATTENUATION 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> <li>Number Filing Date</li> </ul>	:C08J9/00 :61/501,455 :27/06/2011 :U.S.A. :PCT/US2012/043935 :25/06/2012 :WO 2013/003254 :NA :NA	(71)Name of Applicant:  1)OWENS CORNING INTELLECTUAL CAPITAL,LLC Address of Applicant: One Owens Corning Parkway, Toledo, OH 43659, U.S.A. (72)Name of Inventor: 1)ANNAN, Nikoi 2)DELAVIZ, Yadollah 3)HAN, Xiangmin 4)LOH, Roland
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3712/KOLNP/2013 A

# (57) Abstract:

Organic infrared attenuation agents have been developed to improve the thermal insulation properties of polymeric foams such as polystyrene low density foams. The organic infrared attenuation agents can include polyols such as sorbitol, maltitol, and poly(ethylene glycol), polysaccharides such as starch or cellulose, and infrared attenuation polyesters such as polybutylene terephthalate. The organic attenuation agents include aromatic compounds or carbon oxygen bonds that are effective in absorbing infrared radiation at the desired wavelengths.

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

(19) INDIA

(22) Date of filing of Application :16/12/2013

(21) Application No.3713/KOLNP/2013 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention : METHOD FOR CONFIGURING A COMMUNICATION INTERFACE MODULE IN A CONTROL OR AUTOMATION 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>	:G05B19/042 :10 2011 107 318.7 :06/07/2011 :Germany :PCT/EP2012/002822 :05/07/2012 :WO 2013/004382 :NA	(71)Name of Applicant:  1)ABB AG  Address of Applicant: Kallstadter Str. 1, 68309 Mannheim, GERMANY (72)Name of Inventor:  1)GUTERMUTH, Stefan 2)GAUB, Gernot 3)BLEI, Brigitte
(87) International Publication No		2)GAUB, Gernot
Number Filing Date	:NA :NA	3)BLEI, Brigitte
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for configuring a communication interface module (20) in a control or automation system, the communication interface module (20) connecting at least two field bus systems (FB1, FB2) to one another, in that a connection to a higher- ranking control system (10) is made via a first communication link (FB1) by means of a least one first functional unit integrated into the communication interface module (20). Furthermore, a connection to field devices is made via a second communication link (FB2) by means of at least one second functional unit integrated into the communication interface module (20). By means of at least one further, third functional unit integrated into the communication interface module (20), further field devices (50) are connected via input and/or output functionalities integrated into the communication interface module (20). The communication interface module (20) is incorporated in a previously created hierarchical tree of the configuration of the control or automation system such that, by means of the configuration of a first functional unit as a first branch in the configured communication interface module (20), a connection to the higher-ranking control system (10) via a first communication link (FB1) based on a first field bus protocol (FB1) is displayed and configured and, by means of the configuration of the second functional unit as a second communication link (FB2) is displayed and configured. By means of the configuration of the third functional unit, input and/or output functionalities for further field devices (50) are displayed and configured as further branches from the incorporated communication interface module (20).

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

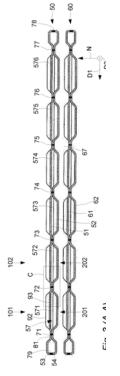
(22) Date of filing of Application :08/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PLATE HEAT EXCHANGER

(51) International classification	:F28D9/00,F28F3/04	(71)Name of Applicant:
(31) Priority Document No	:11161423.6	1)ALFA LAVAL CORPORATE AB
(32) Priority Date	:07/04/2011	Address of Applicant :Box 73, SE-22100 Lund, SWEDEN
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/053883	1)BLOMGREN Ralf
Filing Date	:07/03/2012	
(87) International Publication No	:WO 2012/136432	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A stack of heat transfer plates configured to be arranged within a block-type heat exchanger. The stack of heat transfer plates comprises pairs (50, 60) of heat transfer plates that are stacked such that a flow path (67) for a first fluid is formed between the stacked pairs of heat transfer plates, where- in a pair (50) of the stacked pairs of heat transfer plates comprises a first heat transfer plate (51) and a second heat transfer plate (52) that are joined such that a flow path (57) for a second fluid is formed between the first and second heat transfer plates. The pair (50) of heat transfer plates comprises corrugations (101, 102) that are arranged on a respective side of an elongated joint (72) that joins the first and second heat transfer plates. A related plate heat exchanger is also disclosed.



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

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR TREATING A CARBON DIOXIDE-CONTAINING WASTE 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> </ul>	:F23J15/00 :102011002612.6 :13/01/2011 :Germany :PCT/EP2012/050015 :02/01/2012 :WO 2012/095328 :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2, 80333 München GERMANY (72)Name of Inventor: 1)Manfred BALDAUF 2)Thomas MATSCHULLAT
		2) Thomas WATSCHULLAT
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for treating a carbon dioxide-containing waste gas (2), in which a hydrocarbon containing gas (5) is guided to the waste gas and the carbon dioxide of the waste gas is at least partially converted into carbon monoxide and hydrogen when reacted with hydrocarbon and said waste gas is used with the carbon monoxide hydrogen mixture (9) for an additional combustion process.

No. of Pages: 16 No. of Claims: 11

(22) Date of filing of Application :08/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : COOLING DEVICE FOR A SUPER CONDUCTOR AND SUPER CONDUCTING SYNCHRONOUS MACHINE

(51) International classification	n:F25D19/00,F25B9/14,H02K55/04	(71)Name of Applicant:
(31) Priority Document No	:10 2011 002 622.3	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:13/01/2011	Address of Applicant :Wittelsbacherplatz 2, 80333 München,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No Filing Date	:PCT/EP2012/050018 :02/01/2012	(72)Name of Inventor: 1)FRANK, Michael 2)KUMMETH, Peter
(87) International Publication No	:WO 2012/095330	3)NICK, Wolfgang 4)SCHMIDT, Heinz
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a cooling device (1, 23) for a super conductor, in particular a high temperature super conductor of a synchronous machine (2), comprising a cooling circuit for a coolant (30, 15). The liquefied coolant (15) in the cold head (6) provided with a condenser (7) is guided to the super conductor which is to be cooled, in particular in the rotor (4) of the synchronous machine (2) and is returned to the condenser (7) in a gaseous form. In order to guide the coolant (30, 15) from the condenser (7) to the super conductor, pressure generated by a component (30) of the coolant (30, 15) evaporated by a heat source (14, 24) is used.

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

(21) Application No.22/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date: 07/03/2014

(54) Title of the invention: CRYSTALLINE (1R, 4R)-6'- FLUORO-N, N-DIMETHYL-4-PHENYL-4', 9'-DIHYDRO-3' H-SPIRO[CYCLOHEXANE-1,1'- PYRANO[3,4,B]INDOL]-4-AMINE

(51) International :C07D491/10,A61P29/00,A61K31/407 classification

(31) Priority Document No:11005587.8

(32) Priority Date :08/07/2011

(33) Name of priority :EPO

country

(86) International :PCT/EP2012/002839 Application No

:06/07/2012 Filing Date

(87) International :WO 2013/007361 **Publication No** 

(61) Patent of Addition to

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

(71)Name of Applicant: 1)GRÜNENTHAL GMBH

Address of Applicant : Zieglerstrasse 6, 52078

Aachen, Germany (72)Name of Inventor: 1)GRUß, Michael 2)KLUGE, Stefan 3)PRÜHS, Stefan

(57) Abstract:

The present invention relates to crystalline forms of (1r,4r)-6-fluoro-N,N-dimethyl-4-phenyl-4,9-dihydro-3l-l-spiro[cyclohexane-1,1 pyrano[3,4,b]indol]-4-amine, pharmaceutical compositions and medicaments comprising these modifications, the use of these modifications as well as to a process for the enrichment of them.

No. of Pages: 142 No. of Claims: 52

(22) Date of filing of Application:17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: SYSTEM OF POWER GENERATION WITH UNDER WATER PRESSURE OF AIR

(51) International :F03B13/00,A62C31/00,F03B13/06 classification (31) Priority Document No :13/067.373

(32) Priority Date :27/05/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2011/000905

No :08/08/2011 Filing Date

(87) International Publication :WO 2012/162785

No

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

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

(71)Name of Applicant: 1)CHIU, Chiu, Wen

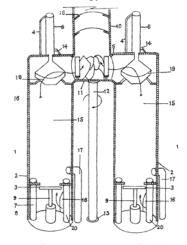
Address of Applicant: 2160 - 5th Concession Road, West,

RR2. Branchton, Ontario N0B 1L0, CANADA

(72)Name of Inventor: 1)CHIU, Chiu, Wen

### (57) Abstract:

Higher pressure exists at the bottom of deep water (1) (including other fluids). This system utilizes machinery (2) to compress a compressible fluid matter such as air with deep water high pressure so as to store the energy in the compressed air having a smaller compressed volume. The compressed air is subsequently injected into an expansion chamber (5) in which it releases the stored energy and returns to its original volume. In constant temperature, a 10 m3 volume of water provides 10 times pressure to compress a single volume to 1/10 its volume. When the pressure is reduced 10 times, the compressed air would return to its original volume to release the stored energy which can be utilized to rotate a turbine (11) and in turn a power generator (21) to generate electric power.



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

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ELECTRONICALLY TRIGGERED LOCKING DIFFERENTIAL

(51) International classification	:F16H48/30	(71)Name of Applicant :
(31) Priority Document No	:61/409,696	1)EATON CORPORATION
(32) Priority Date	:03/11/2010	Address of Applicant :1111 SUPERIOR AVENUE,
(33) Name of priority country	:U.S.A.	CLEVELAND, OH 44114-2584, U.S.A.
(86) International Application No	:PCT/US2011/058233	(72)Name of Inventor:
Filing Date	:28/10/2011	1)FOX, MATTHEW G.
(87) International Publication No	:WO 2012/061217	2)MORGENSAI, KEITH, E.
(61) Patent of Addition to Application	:NA	3)EDLER, ANDREW, N.
Number	:NA	4)MCMILLAN, PATRICK, J.
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An electronically triggered locking differential includes a differential ease, at least one pinion gear and a pair of side gears. A clutch pack is disposed between one of the side gears and the differential case and retards relative rotation between the differential case and the side gear. A cam member is disposed adjacent the clutch pack so that the clutch pack engages when the cam member ramps up. An engagement shaft has one end engaged with the cam member and an opposite end extending through the differential case and engaged with a sprocket. A magnetic coil and flux conductor magnetically couple the sprocket to the differential case when the coil is energized. This coupling retards rotation of the engagement shaft and the cam member relative to the gear case, initiating engagement of the clutch pack to lock the differential.

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

(19) INDIA

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

(21) Application No.1216/KOLNP/2013 A

(43) Publication Date: 07/03/2014

# (54) Title of the invention: SILENCER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority 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>	:H02K7/08,F16C41/00 :102010062049.1 :26/11/2010 :Germany :PCT/EP2011/069229 :02/11/2011 :WO 2012/069292 :NA	(71)Name of Applicant:  1)J. EBERSPÄCHER GMBH & CO. KG Address of Applicant: EBERSPÄCHERSTRAßE 24, 73730 ESSLINGEN, GERMANY (72)Name of Inventor: 1)REINHEIMER, THOMAS 2)SCHMIDT, MICHAEL
•		
	:WO 2012/069292	2)SCHMIDT, MICHAEL
	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a silencer (1) which is for an exhaust gas installation (2) of a combustion engine, particularly of a motor vehicle, and which comprises a silencer housing (3) that encloses a housing inner chamber (5), and at least one hollow body (4) in a half shell construction that is arranged in said housing inner chamber (5) and that conducts exhaust gas, the two half shells (14, 15) of the hollow body (4) being fixed to each other in the region of a separating plane (16). The assembly of the silencer (1) and hollow body (4) can be simplified if the two half shells (14, 15) are fixed to one another using fixing elements (17, 18) that are designed directly on the half shells (14, 15).

No. of Pages: 27 No. of Claims: 21

(22) Date of filing of Application :18/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: DRIVE FOR A SWITCHING DEVICE

(51) International classification :H01H3/28,H01H3/42,H01H3/52 (71)Name of Applicant:

(31) Priority Document No :10 2011 078 659.7 (32) Priority Date :05/07/2011

(33) Name of priority country :Germany (86) International Application

:PCT/EP2012/061340 No :14/06/2012

Filing Date

(87) International Publication No:WO 2013/004467

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2, 80333 München

**GERMANY** 

(72)Name of Inventor:

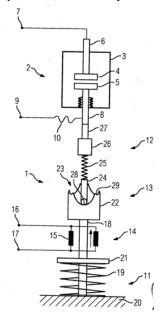
1)FREUNDT, Karsten

2) EINSCHENK, Jürgen

3)SURESH, Unni

# (57) Abstract:

In order to further develop a drive (1) for a switching device, which has a contact system (3) made of a fixed contact (4) and a moving contact (5), having a force initiation element (11) for initiating a drive force and an actuator (12) for actuating the moving contact (5) to close or open the contact system (3) and transmission means (13) arranged between the force initiation element (11) and the actuator (12), which drive is cost-effective and has a compact design, according to the invention the transmission means (13) are designed so that both the transferring of the contact system (3) from the closed to the open state and the transferring of the contact system (3) from the open to the closed state can be triggered by a drive force in the same direction.



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

(22) Date of filing of Application :18/12/2013 (43) Publication Date: 07/03/2014

(54) Title of the invention: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING TIME DIVISION DUPLEX FRAME CONFIGURATION INFORMATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26,H04B7/26,H04L1/00 (71)Name of Applicant:

(31) Priority Document No :10-2011-0059727 (32) Priority Date :20/06/2011

(33) Name of priority country :Republic of Korea (86) International Application :PCT/KR2012/004858

:20/06/2012 Filing Date

(87) International Publication

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

(62) Divisional to Application Number Filing Date

:WO 2012/177037

:NA :NA

1)SAMSUNG ELECTRONICS CO., LTD.

(21) Application No.3751/KOLNP/2013 A

Address of Applicant :129, Samsung-ro Yeongtong-gu,

Suwon-si, Gyeonggi-do 443-742, Republic of Korea

(72)Name of Inventor:

1)Hyoung Ju JI

2)Youn Sun KIM

3)Young Bum KIM

4)Joon Young CHO

5)Seung Hoon CHOI

### (57) Abstract:

(19) INDIA

A method and an apparatus for transmitting and receiving Time Division Duplex (TDD) frame configuration information are disclosed. The base station transmits TDD frame configuration information as system information to a user equipment through a common control channel so as to dynamically change the TDD frame configuration according to uplink and downlink traffic conditions. The base station may deliver the same system information to all user equipments in the cell, removing ambiguity in User Equipment (UE) operations and avoiding interference. In comparison to an existing method of delivering TDD frame configuration information through system information update, the disclosed method enables user equipments to rapidly cope with traffic changes. In addition, user equipments may receive and apply TDD frame configuration information at the same time.

No. of Pages: 33 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application :13/06/2013 (43) Publication Date : 07/03/2014

(54) Title of the invention : ENCODER AND METHOD FOR PREDICTIVELY ENCODING, DECODER AND METHOD FOR DECODING, SYSTEM AND METHOD FOR PREDICTIVELY ENCODING AND DECODING AND PREDICTIVELY ENCODED INFORMATION SIGNAL

(21) Application No.1904/KOLNP/2013 A

(51) International classification (31) Priority Document No	:G10L19/06 :10195000.4	(71)Name of Applicant: 1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG
(32) Priority Date	:14/12/2010	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:EPO	Address of Applicant :HANSASTRAßE 27C, 80686
(86) International Application No	:PCT/EP2011/072776	MUNICH, GERMANY
Filing Date	:14/12/2011	2)TECHNISCHE UNIVERSITÄT ILMENAU
(87) International Publication No	:WO 2012/080346	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)LUTZKY, MANFRED
Number	:NA	2)SCHULLER, GERALD
Filing Date	.IVA	3)SCHNABEL, MICHAEL
(62) Divisional to Application Number	:NA	4)WERNER, MICHAEL
Filing Date	:NA	

# (57) Abstract:

An encoder (100) for predictively encoding a signal (105) having a sequence of signal values (s(n)) comprises a predictor (110) for performing an adaptive prediction in dependence on the signal (105) (s(n)) and in dependence on one or more weighting values (111) ( $\omega$ 1) to obtain predicted signal values (115) (s'(n)), wherein the predictor (110) is configured to reset the weighting values (111) at times which are dependent on the signal (105) and wherein the predictor (110) is configured to adapt the weighting values (111) to the signal (105) between subsequent resets.

No. of Pages: 47 No. of Claims: 24

(22) Date of filing of Application :01/05/2002

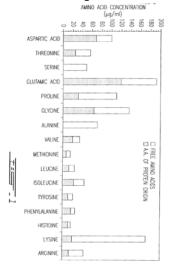
(43) Publication Date: 07/03/2014

# (54) Title of the invention: EXTRACTS OF SHARK CARTILAGE HAVING ANTI-COLLAGENOLYTIC, ANTI-INFLAMMATORY, ANTI-ANGIOGENIC AND ANTI-TUMORAL ACTIVITIES AND COMPOSITIONS 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>	:A61K 38/00 :08/550003 :30/10/1995 :U.S.A. :NA :NA :NA :NA	(71)Name of Applicant:  1)LES LABORATOIRES AETERNA INC. Address of Applicant: 456 MARCONI STREET, PARC JEAN-TALON, QUEBEC, QUEBEC GIN 4AB Canada (72)Name of Inventor: 1)DUPONT ERIC 2)BRAZEAU PAUL 3)JUNEAU CHRISTINA 4)MAES DANIEL H 5)MARENUS KENNETH
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

A cartilage extract obtained from shark and produced by a method comprising the steps of: a) homogenizing the cartilage in an aqueous solution a conditions compatible with the preservation or the integrity of said biologically active components until the cartilage is reduced to particles whose size is lower than or equal to about  $500 \, \mu m$ , resulting in a mixture or particles and of a crude liquid extract having said biologically active components; b) separating the particles from the crude liquid extract; c) separating the crude liquid extract of b) so as to obtain a final liquid extract containing cartilage molecules having a molecular weight lower than or equal to about  $500 \, \text{Kilodaltons}$  (KDa); and d) concentrating said final liquid extract, whereby at least a portion of molecules having a molecular weight lower than  $100 \, \text{Daltons}$  is removed.



No. of Pages: 124 No. of Claims: 26

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

(19) INDIA

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 07/03/2014

### (54) Title of the invention: NON-CONTACT POWER SUPPLY DEVICE

:PCT/JP2012/052804

:WO 2012/164973

:08/02/2012

(51) International classification :H02J17/00,B60L11/18,H02J7/00 | (71)Name of Applicant :

(31) Priority Document No :2011-118665 (32) Priority Date :27/05/2011

(33) Name of priority country :Japan

(86) International Application

Filing Date

(87) International Publication

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

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

1)NISSAN MOTOR CO., LTD.

Address of Applicant: 2, Takara-cho, Kanagawa-ku,

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor:

1)Masaki KONNO

2)Hiroshi TANAKA

3)Tomoya IMAZU

### (57) Abstract:

Provided is a non-contact power supply device which detects foreign objects interposed between a power transmission coil and a power receiving coil. This non-contact power supply device is provided with a second coil which contactlessly transmits power to or receives power from a first coil at least by means of magnetic coupling, multiple sensors for detecting position shifts between the first coil and the second coil, a position detection means which, on the basis of the output values of the sensors, detects the relative positions of the first coil and the second coil, and a foreign object detection means which compares the output values of the sensors and from these comparison results detects foreign objects between first coil and the second coil.

No. of Pages: 34 No. of Claims: 2

(19) INDIA

(22) Date of filing of Application :19/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONTACTLESS ELECTRICITY SUPPLY 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>	:23/05/2012 :WO 2012/165242 :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) Kengo MAIKAWA 2)Hiroshi TANAKA 3)Tomoya IMAZU
(62) Divisional to Application Number Filing Date	:NA :NA	

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

## (57) Abstract:

The present contactless electricity supply device (100), which is for charging the battery (28) of a vehicle, contains: an electricity transmission circuit (101) provided with an electricity transmission coil (12); and a charging circuit (201) provided with an electricity reception coil (22). Power is transmitted contactlessly from the electricity transmission coil (12) to the electricity reception coil (22). When the vehicle approaches the electricity supply device (100), trial electricity supply, which transmists minute quantities of power, is performed, and on the basis of the current flowing through the electricity transmission circuit (101), the electricity transmission efficiency from the electricity transmission coil (12) to the electricity reception coil (22) is estimated. From the electricity transmission efficiency, it is determined whether the electricity reception coil (22) is in the chargable range of the electricity transmission coil (12).

No. of Pages: 30 No. of Claims: 6

(21) Application No.3735/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND DEVICE FOR THE PROGRAMMING AND CONFIGURATION OF A PROGRAMMABLE LOGIC CONTROLLER

(51) International classification	:G05B19/05	(71)Name of Applicant :
(31) Priority Document No	:11005514.2	1)ABB AG
(32) Priority Date	:06/07/2011	Address of Applicant : Kallstadter Str. 1, 68309 Mannheim,
(33) Name of priority country	:EPO	GERMANY
(86) International Application No	:PCT/EP2012/002832	(72)Name of Inventor:
Filing Date	:05/07/2012	1)FROHBERGER, Anke
(87) International Publication No	:WO 2013/004389	2)BLEI, Brigitte
(61) Patent of Addition to Application	:NA	3)MEYER, Christian
Number	:NA	4)STAAB, Harald
Filing Date	.IVA	5)REISINGER, Thomas
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method and a device for carrying out the method of the programming and configuration of a programmable logic controller (D) by means of a configuration tool (K) present in a programming tool (B). In addition to a module (80) in an IEC61131 language at least one further module (C) is integrated into the configuration tool (K), said further module programming the programmable logic controller (D) by means of a C code editor (3A) in a standard language, module (C) providing a definition of interfaces between an IEC61131 code and a standard code and the configuration of the standard code.

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

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TILTING-SEGMENT RADIAL BEARING FOR A SINGLE-SHAFT TURBOMACHINE

(51) International classification :F16C17/03 (31) Priority Document No :11174611.1 (32) Priority Date :20/07/2011 (33) Name of priority country :EPO (86) International Application No Filing Date :15/06/2012 (87) International Publication No (61) Patent of Addition to Application Number Filing Date :NA :NA  (62) Divisional to Application Number Filing Date :NA :NA	2)BÖCKEL, Frank
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# (57) Abstract:

The invention relates to a tilting-segment radial bearing for a single-shaft turbomachine, comprising a support ring (3), a tilting-segment mounting (4) and a tilting segment (5), which in the installed state of the tilting-segment radial bearing (1) is supported on the support ring (3) such as to be seated on top and be radially displaceable by the tilting-segment mounting (4), said mounting comprising a preload device (20), by means of which the tilting segment (5) is preloaded in the direction toward the shaft of the single-shaft turbomachine when the operating rotational speed of the single-shaft turbomachine is above a predetermined tilting-segment preload rotational speed, such that the tilting segment (5) can be radially moved without preload when the operating rotational speed of the single-shaft turbomachine is below the tilting-segment preload rotational speed.

No. of Pages: 19 No. of Claims: 8

(21) Application No.3737/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ENERGY STORAGE ARRANGEMENT AND ALTERNATING LOAD CONSUMER

(51) International classification :H02J3/18,H02J3/28,H02J3/32 (71)Name of Applicant : (31) Priority Document No :11173322.6 1) SIEMENS AKTIENGESELLSCHAFT (32) Priority Date :08/07/2011 Address of Applicant: Wittelsbacherplatz 2, 80333 München (33) Name of priority country :EPO **GERMANY** (72)Name of Inventor: (86) International Application No :PCT/EP2012/062424 Filing Date :27/06/2012 1)ECKERT, Peter (87) International Publication No :WO 2013/007517 2)HOFFMANN, Reinhard (61) Patent of Addition to 3)HÖRGER, Wolfgang :NA **Application Number** 4)RECHENBERG, Karsten :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention relates to an energy storage arrangement (8) for an electric load (4) which exchanges electrical power with an energy supply network (2), comprising two connections in the form of a load (4) to the parallel circuit and for the energy supply network (2), a converter (10) which is switched between the connections (6a, b), is voltage-impressed and contains an energy store (12). The energy store (12) is designed to store an energy amount (E1+ E2+ E3) which exceeds that necessary for the regular operation of the converter (10) by a multiple. An arc furnace which is fed as a load (4) from an energy supply network (2) contains the energy storage arrangement (8).

No. of Pages: 30 No. of Claims: 9

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : OPERATING AND DISPLAY DEVICE FOR A DOMESTIC APPLIANCE, AND DOMESTIC APPLIANCE

(51) International classification	:D06F39/00	(71)Name of Applicant:
(31) Priority Document No	:10 2011 077 896.9	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:21/06/2011	Address of Applicant :Carl-Wery-Str. 34, 81739 München
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2012/061759	(72)Name of Inventor:
Filing Date	:20/06/2012	1)LUBERT, Thomas
(87) International Publication No	:WO 2012/175523	2)KNOPP, Lothar
(61) Patent of Addition to Application	:NA	3)LUDENIA, Thomas
Number		4)WYBRANIETZ, Gino
Filing Date	:NA	5)BRUSS, Dietmar
(62) Divisional to Application Number	:NA	6)SCHMID, Erich
Filing Date	:NA	7)VOGELSANG, Peter

#### (57) Abstract:

The invention relates to an operating and display device (11) for a domestic appliance, comprising operating means for setting at least one parameter of an operating process of the domestic appliance, a light conductor part (24, 34) for conducting light, a plurality of function symbols (13, 14, 15), which each symbolize a respective selectable value of the parameter, and a lighting device (47) for backlighting the function symbols (13, 14, 15), by means of which lighting device the function symbol (13, 14, 15) associated with the presently selected value of the parameter can be optically distinguished from the other function symbols (13, 14, 15), wherein the operating means are designed as touch-sensitive operating means and have a touch-sensitive actuation surface (16), which is arranged such as to overlap with the function symbols (13, 14, 15) and thus the value of the parameter associated with one of the function symbols (13, 14, 15) can be selected by touching the actuation surface (16) in an overlap area (17) that overlaps with one of the function symbols (13, 14, 15).

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

(22) Date of filing of Application :05/11/2013

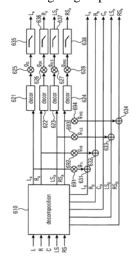
(43) Publication Date: 07/03/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR GENERATING AN OUTPUT SIGNAL EMPLOYING A DECOMPOSER

(51) International classification	:H04S3/00	(71)Name of Applicant :
(31) Priority Document No	:61/484,962	1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG
(32) Priority Date	:11/05/2011	DER ANGEWANDTEN FORSCHUNG E. V.,
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastrasse 27c, 80686 München,
(86) International Application No	:PCT/EP2012/058433	GERMANY
Filing Date	:08/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/152785	1)WALTHER, Andreas
(61) Patent of Addition to Application	.NIA	2)SILZLE, Andreas
Number	:NA	3)HELLMUTH, Oliver
Filing Date	:NA	4)GRILL, Bernhard
(62) Divisional to Application Number	:NA	5)POPP, Harald
Filing Date	:NA	
(57) A1		

#### (57) Abstract:

An apparatus for generating an output signal having at least two output channels from an input signal having at least two input channels. The apparatus comprises an ambient/direct decomposer (110; 210; 310; 410; 610) an ambient modification unit (120; 220; 320; 420) and a combination unit (130; 230; 330; 430). The ambient/direct decomposer (110; 210; 310; 410; 610) is adapted to decompose at least two input channels of the input signal such that each one of the at least two input channels is decomposed into a signal of a first signal group and into a signal of a second signal group. The ambient modification unit (120; 220; 320; 420) is adapted to modify a signal of the ambient signal group or a signal derived from a signal of the ambient signal group to obtain a modified signal as a first output channel. The combination unit (130; 230; 330; 430) is adapted to combine a signal of the ambient signal group or a signal derived from a signal of the ambient signal group or a signal derived from a signal of the direct signal group as a second output channel.



No. of Pages: 55 No. of Claims: 19

(22) Date of filing of Application :21/11/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD FOR CONTROLLING AT LEAST A PART OF A PUMP STATION

(51) International classification: F04D15/00,E03F5/22,G05B13/02 (71)Name of Applicant:

(31) Priority Document No :1150548.4 :16/06/2011 (32) Priority Date

(33) Name of priority country :Sweden

(86) International Application :PCT/SE2012/050581 No

:31/05/2012 Filing Date

(87) International Publication :WO 2012/173552

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

1)XYLEM IP HOLDINGS LLC

Address of Applicant: 1133 Westchester Avenue, White

Plains, NY 10604, U.S.A. (72)Name of Inventor: 1)LARSSON, Martin:

2)FULLEMANN, Alexander 3)MÖKANDER, Jürgen

# (57) Abstract:

The invention relates to a method for controlling at least a part of a pump station comprising a number of speed controlled pumps, the method is arranged to minimize the specific energy consumption Espec of said at least a part of a pump station and comprises a sub method, which in turn comprises the steps of: obtaining input data, determining the mutual relative relationships between a first value Al of a quantity corresponding to a first pump speed VI and a second value A2 of said quantity corresponding to a second pump speed V2, and between a first specific energy consumption Espec1 and a second specific energy consumption Espec2, and determining a third value A3 of said quantity corresponding to a third pump speed V3, wherein A3 is set equal to A2-B3 if the conditions A2spec2spec1 are satisfied, A3 is set equal to A2+B4 if the conditions A2>A1 and Espec2spec1 are satisfied, A3 is set equal to A2+B5 if the conditions A2spec2>Espec1 are satisfied, and A3 is set equal to A2-B6 if the conditions A2>A1 and Espec2>Espec1 are satisfied, wherein B3, B4, B5, and B6 are parameters of said quantity.

No. of Pages: 32 No. of Claims: 14

(21) Application No.3424/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHODS AND APPARATUS FOR RANDOM ACCESS PROCEDURES WITH CARRIER AGGREGATION FOR LTE-ADVANCED SYSTEMS

(51) International

:H04J11/00,H04B7/26,H04W74/08 classification

(31) Priority Document No :61/483,516 (32) Priority Date :06/05/2011 :U.S.A.

(33) Name of priority country

(86) International Application :PCT/KR2012/003566

No :07/05/2012 Filing Date

(87) International Publication :WO 2012/153960

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

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

Number :NA Filing Date

(71)Name of Applicant:

1)SAMSUNG ELECTRONICS CO., LTD.

Address of Applicant :129, Samsung-ro, Yeongtong-gu,

Suwon-si, Gyeonggi-do, 443-742 Republic of Korea

(72)Name of Inventor: 1)NG Boon Loong

2)VAN LIESHOUT Gerardus Johannes Petrus

3)ZHANG Jianzhong 4)JEONG Kyeong-In 5)KIM Soeng-Hun 6)NAM Young-Han

(57) Abstract:

An eNodeB is configured to perform a method for a random access procedure in an LTE-Advanced system. The method includes receiving from a user equipment a random access preamble message on a physical random access channel (PRACH) on a first cell, the PRACH associated with a random access radio network temporary identifier (RA-RNTI). The method also includes transmitting to the user equipment a random access response (RAR) message on a second cell. At least one of the RAR message and the RA-RNTI includes information configured to allow the user equipment to identify a target Timing Advance Group (TAG) or cell associated with the RAR message.

No. of Pages: 66 No. of Claims: 15

(22) Date of filing of Application :20/12/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: PIPERAZINE DERIVATIVES, METHODS FOR PREPARING SAME, AND USES THEREOF IN THE TREATMENT OF INSULIN RESISTANCE

(51) International :C07D213/74,C07D241/20,C07D295/088

classification

(31) Priority Document :11 55547

No

(32) Priority Date :23/06/2011 (33) Name of priority :France

country

(86) International Application No :PCT/EP2012/062154

Filing Date :22/06/2012

(87) International

:WO 2012/175715

:NA

Publication No

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

Application Number Filing Date

(71)Name of Applicant: 1)METABOLYS

Address of Applicant :7 et 11, rue Guillaume Paradin Faculté de Médecine RTH Laënnec 69372 LYON Cedex 08, FRANCE

(72)Name of Inventor:

1)MOINET Gérard

2)BAVEREL Gabriel 3)NAZARET Rémi

4)FERRIER Bernard

# (57) Abstract:

The invention relates to a compound of formula (I), where R1, R2, R7, m, n, and L1 are as defined in claim 1, and to the methods for preparing same, to the pharmaceutical compositions containing same, and to the uses thereof in the treatment of diseases associated with insulin resistance syndrome.

$$R^{1}$$
 $(R^{7})_{m}$ 
 $N$ 
 $L^{1}$ 
 $R^{2}$ 

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

(22) Date of filing of Application :31/08/2012 (43) Publication Date : 07/03/2014

(54) Title of the invention: ELECTRO PERMANENT MAGNETIC APPARATUS HAVING SLOT(S) HOUSING MAGNETIC FLUX SENSOR(S) EMBEDDED THERE IN FOR SAFE AND EFFICIENT HOLDING WORK PIECE(S).

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61N 1/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)UTTAM SARDA Address of Applicant:BD-343, SEC 1, SALT LAKE, KOLKATA - 700064 West Bengal India (72)Name of Inventor: 1)UTTAM SARDA
(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 electro permanent magnetic holding apparatus (1) is disclosed comprising; a magnetic base (2) made of a ferromagnetic material having a working side including a working face for holding work pieces (8) magnetically and/or mechanically and a back region remote from the working side; at least one magnetic pole (3) formed on the magnetic base (2), each magnetic pole (3) comprising at least one non-reversible permanent magnet (6), at least one reversible permanent magnet (4), and at least one electrical winding (5) for reversing the reversible permanent magnet (4) between an ON state for clamping a workpiece (9) against the working face (14), and between an OFF state for releasing a workpiece (9) from the working face (14); wherein the back region of the magnetic base (2) comprises at least one pocket (7) housing a magnetic sensor (10); wherein the magnetic pole (3), when being in the ON state, is configured for forming a closed magnetic loop (11) extending through the back region and the working side of the magnetic base and through a workpiece (9) in contact with the working face (14); and wherein the pocket (7) with the magnetic sensor (10) is arranged within the back region of the magnetic base (2) at a place remote from the working face (14), thereby allowing sensing of magnetic flux extending through the back region of the magnetic base (2) and through the workpiece (9).

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

(21) Application No.1003/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : GAIN-PRODUCING FIBERS WITH INCREASED CLADDING ABSORPTION WHILE MAINTAINING SINGLE-MODE OPERATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G02B 6/00 :61/694,709 :29/08/2012	
(33) Name of priority country	:U.S.A.	SUITE 2H02 NORCROSS, GEORGIA 30071 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)THIERRY F. TAUNAY
(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 cladding absorption of a single-mode, gain-producing fibers is increased in fiber designs that includes a trench region disposed between the core and inner cladding regions. Increased cladding absorption is achieved while maintaining single-mode operation.

No. of Pages: 35 No. of Claims: 27

(22) Date of filing of Application :29/08/2013

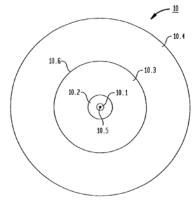
(43) Publication Date: 07/03/2014

# (54) Title of the invention : DOUBLE-CLAD, GAIN-PRODUCING FIBERS WITH INCREASED CLADDING ABSORPTION WHILE MAINTAINING SINGLE-MODE 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.</li> </ul>	:61/694,709 :29/08/2012 :U.S.A.	Address of Applicant :2000 NORTHEAST EXPRESSWAY SUITE 2H02 NORCROSS, GEORGIA 30071 U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)THIERRY F. TAUNAY
(87) International Publication No	: NA	1)THERRI F. TAUNAT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The cladding absorption of single-mode, double-clad, gain-producing fibers is increased in fiber designs that includes a trench region disposed between the core and inner cladding regions. Increased cladding absorption is achieved while maintaining single-mode operation.



No. of Pages: 33 No. of Claims: 24

(22) Date of filing of Application :01/05/2013 (43) Publication Date: 07/03/2014

### (54) Title of the invention: BATTERY MODULE CHARGING SYSTEM

(51) International classification :H02J7/02,H01M10/44,H02J7/00 (71)Name of Applicant:

(31) Priority Document No :2010-294530 (32) Priority Date :29/12/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/007267 No

:26/12/2011 Filing Date

(87) International Publication No:WO 2012/090473

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

(62) Divisional to Application :NA Number :NA

Filing Date

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)KOMAI, Tomovuki 2)KATAOKA, Mikihiko 3)HIGUMA, Katsutoshi

4) HAYASHI, Masato

(57) Abstract:

A battery module charging system of the present invention is provided with: a power transmission apparatus (60) that comprises a primary coil (6) for transmitting AC power; a power reception unit (70, 8) that comprises a secondary coil (7) for receiving the AC power transmitted from the primary coil, and converts the received AC power into DC power; positioning mechanisms (60a, 70a) configured so that the power transmission apparatus is positioned so as to be attachable/detachable to/from the power reception unit, and positioned so that inductive coupling between the primary coil and the secondary coil is possible when the transmission apparatus is positioned; and selection circuits (21, 25, 29) configured so as to be able to charge, selectively, DC power to a plurality of cells of a battery module (B), which is composed by having the plurality of cells, each of which are rechargeable batteries, connected in series.

No. of Pages: 55 No. of Claims: 6

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: TRAVEL PILLOW WITH LATERAL AND REAR SUPPORT BAR AND A FLAT AND THIN BACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:A47G 9/10 :61/623,545 :12/04/2012 :U.S.A. :PCT/US2013/035646 :08/04/2013 :WO 2013/155003 :NA :NA	(71)Name of Applicant:  1)STERNLIGHT, DAVID BRET  Address of Applicant: 22339 HART ST., CANOGA PARK, CALIFORNIA 91303, U.S.A.  2)STERNLIGHT, KYNA ROSE (72)Name of Inventor: 1)STERNLIGHT, DAVID BRET 2)STERNLIGHT, KYNA ROSE
Number Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a U-shaped travel pillow having a base cushion and raised cushion fixed to the top side of the base cushion. The inner peripheral walls of the base and raised cushions are mutually flush, while the rear walls are mutually flush and substantially flat for better contact with flat surfaces, such as a headrest, seat, or chair. Furthermore, the rear wall of the raised cushion is thinner than the sides, providing more liberty to adjust head position by easily adapting to the shape of the headrest, seat or chair. A removable cover is adapted to cover the base and raised cushions, while a drawstring with an adjustable cinch mechanism can be used for adjusting the travel pillow around the neck.

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

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

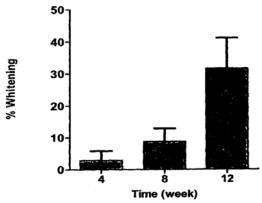
(43) Publication Date: 07/03/2014

# (54) Title of the invention: EXTERNAL PREPARATION FOR SKIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61K36/889 :PI 2011003421 :21/07/2011 :Malaysia :PCT/MY2012/000119 :12/06/2012 :WO 2013/012309 :NA	(72)Name of Inventor: 1)ZAHARIAH, Ismail 2)MOHD, Suria, Affandi, Yusoff
(87) International Publication No	:WO 2013/012309	1)ZAHARIAH, Ismail
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to an external preparation for skin containing pollen extract of oil palm of the genus Elaeis guineensis in an amount between 0.05% and 1.00% by weight, based on the total weight of the external preparation, for whitening skin.



No. of Pages: 21 No. of Claims: 12

(19) INDIA

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

(21) Application No.38/KOLNP/2014 A

(43) Publication Date: 07/03/2014

### (54) Title of the invention: AMPHIBIAN HULL

(51) International classification	:B60F3/00	(71)Name of Applicant :
(31) Priority Document No	:61/496,297	1)GIBBS TECHNOLOGIES LIMITED
(32) Priority Date	:13/06/2011	Address of Applicant :Avenue Road, Nuneaton, Warwickshire
(33) Name of priority country	:U.S.A.	CV11 4LY U.K.
(86) International Application No	:PCT/GB2012/051344	(72)Name of Inventor:
Filing Date	:13/06/2012	1)GIBBS, Alan Timothy
(87) International Publication No	:WO 2012/172335	2)CARLSON, Eric John
(61) Patent of Addition to Application	37.4	
Number	:NA	
- 1	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides, with reference to Figure 1, an amphibian operable in land and marine modes comprising a hull, at least one discontinuity provided in the hull, and at least one retractable wheel or track drive assembly at least partially located in the at least one discontinuity. A wheel or track drive of the at least one retractable wheel or track drive assembly is retracted above the lowest point of the hull when operating in marine mode, and at least part of the wheel or track drive is protracted below the lowest point of the hull when operating in land mode. The hull is a planing V hull, and the hull has a forward bow section defining a frontal bow surface/area across a beam of the hull. The at least one discontinuity is provided in the forward bow section of the hull, and at least a portion of the wheel or track drive of the at least one retractable wheel or track drive assembly is located ahead of and in front of at least a portion of the frontal bow surface/area when protracted.

No. of Pages: 28 No. of Claims: 20

(21) Application No.2651/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : POWER AUTOMATION INSTALLATION AND METHOD FOR OPERATING A POWER AUTOMATION INSTALLATION

(51) International classification	:H04L29/08,G05B19/418	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:NA	Address of Applicant :Wittelsbacherplatz 2, 80333 München,
(33) Name of priority country	:NA	GERMANY
(86) International Application No	:PCT/EP2011/053524	(72)Name of Inventor:
Filing Date	:09/03/2011	1)
(87) International Publication No	:WO 2012/119648	2)1) DAWIDCZAK Henry
(61) Patent of Addition to Application	:NA	3)2) DUFAURE Thierry
Number	:NA	4)3) ENGLERT Heiko
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In order to simplify and design the configuration in particular of a power automation installation (10) with a comparatively high number of power automation devices (13a-c) in such a way that as far as possible no interruption of operation is necessary, a method for operating a power automation installation (10) is proposed, wherein the power automation installation (10) comprises a plurality of power automation devices (13a-c) and at least one higher-level installation control device (11) for controlling and/or monitoring the power automation devices (13a-c). An additional power automation device (13d) is connected to the concentrator device (12) and automatic configuration of the concentrator device (12) is carried out by the incorporation of a device description file of the additional power automation device (13d) into a concentrator data model of the concentrator device (12). The invention also relates to a corresponding power automation installation (10).

No. of Pages: 32 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application: 17/09/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: HYDROPHOBICALLY MODIFIED POLYAMINE SCALE INHIBITORS

(51) International classification :C02F 5/00 (31) Priority Document No :60/829,411 (32) Priority Date :13/10/2006 (33) Name of priority country :U.S.A.

(86) International Application No Filing Date :26/09/2007

(87) International Publication No :WO/2008/045677

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

(62) Divisional to Application Number :1703/KOLNP/2009

Filed on :07/05/2009

# (71)Name of Applicant:

1)CYTEC TECHNOLOGY CORP.

(21) Application No.2763/KOLNP/2013 A

Address of Applicant: 300 DELAWARE AVENUE, WILMINGTON, STATE OF DELAWARE 19801, U.S.A.

:PCT/US2007/079473 (72)Name of Inventor : 1)HEITNER, HOWARD, I 2) SPITZER, DONALD, P.

### (57) Abstract:

Hydrophobically modified Si-containing polyamines are useful for treating scale in industrial process streams. Preferred hydrophobically modified Si-containing polyamines are particularly useful for treating aluminosilicate scale in difficult-to-treat industrial process streams, such as in the Bayer alumina process streams, nuclear waste streams and kraft paper mill effluent streams.

No. of Pages: 30 No. of Claims: 18

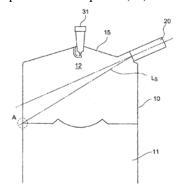
(22) Date of filing of Application :08/11/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:F02B23/10 :2011-088122 :12/04/2011 :Japan :PCT/JP2012/056731 :15/03/2012 :WO 2012/140986 :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)Tomohiro SAKATA 2)Daisuke TANAKA 3)Futoshi YOSHIMURA 4)Ryo UCHIDA
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is an internal combustion engine equipped with a fuel injection valve (20) which is positioned to directly inject fuel into the interior of a pipe from the side of a combustion chamber (12) formed by a piston (11) and a cylinder (10), and which has a plurality of injection ports (101 - 106). The plurality of injection ports (101 - 106) are configured in such a manner that the central axes, of a plurality of sprays injected from the said plurality of injection holes (101 - 106) in the fuel injection valve (20), point to a boundary section that is on the opposite side of the fuel injection valve (20) and that is formed by the crown surface of the piston (11), at the position of the piston (11) when the fuel is injected, and the inner wall of the cylinder (10).



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

(22) Date of filing of Application :24/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : NON-CONTACT POWER SUPPLY DEVICE, VEHICLE, AND NON-CONTACT 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</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:H02J17/00,B60L5/00,B60L11/18 :2011-118675 :27/05/2011 :Japan :PCT/JP2012/063143 :23/05/2012 :WO 2012/165243	(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)Masaki KONNO 2)Hiroshi TANAKA 3)Tomoya IMAZU
<ul> <li>(61) Patent of Addition to</li> <li>Application Number     <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number     <ul> <li>Filing Date</li> </ul> </li> </ul>	:NA :NA :NA :NA	

### (57) Abstract:

This non-contact power supply system contactlessly supplies power by means of magnetic coupling between a power receiving coil (22) provided in a vehicle (200) and a power-transmission coil (12) on the power supply device (100) side. This non-contact power supply system is provided with a first communication means which wirelessly communicates between the vehicle (200) and the power supply device (100)in order to detect the distance therebetween, and a second communication means which performs wireless communication in order to detect the relative position of the power receiving coil (22) and the power transmission coil (12). The second communication means is started when the distance between the vehicle (200) and the power transmission device (100), measured by the first communication means, is shorter than a prescribed distance.

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

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: REAL-TIME GAS MONITORING METHOD AND SYSTEM.

(51) International :G05D21/02,A61L9/015,G05B9/02

classification

(31) Priority Document No :61/507.001 :12/07/2011 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2012/050475

No :11/07/2012

Filing Date :WO 2013/006974

(87) International Publication No

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

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

Filing Date

(71)Name of Applicant:

1) RUKS ENGINEERING LTD.

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

Address of Applicant: Unit 18, 18 Automatic Road, Brampton,

Ontario L6S5N5 (CA) Canada (72)Name of Inventor:

1)KRISHNAN, Narayan 2)SRIDHAR, Santanam

## (57) Abstract:

(19) INDIA

A system and method for monitoring the concentration of a gas in an enclosed space into which the gas is being injected by a gas injection system. The system includes means for carrying out the method that includes measuring a parameter indicative of gas concentration using a gas sensor, comparing the parameter with a predetermined limit value of the parameter using a microprocessor, and if the parameter is greater than the predetermined limit value then activating a shut-off of the gas injection system. Furthermore, continuously monitoring at least one of a hardware element, a software function and a control signal used to carry out the method to identify faults in at least one of the hardware element, the software function and the control signal; and if a fault is detected activating the shut-off of the gas injection system.

No. of Pages: 28 No. of Claims: 31

(21) Application No.3731/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: COILABLE EXTENDIBLE MEMBER AND METHODS

(51) International classification :B64G1/22,E04C3/00,H01Q1/12 (71)Name of Applicant :

(31) Priority Document No :1109625.2 (32) Priority Date :09/06/2011

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

(86) International Application No:PCT/GB2012/051316

Filing Date :11/06/2012

(87) International Publication No: WO 2012/168741

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

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

1)RTL MATERIALS LTD

Address of Applicant: 130 Wellworthy Road, Ampress Park,

Lymington Hampshire SO41 8JY, U.K.

(72)Name of Inventor:

1)DATON-LOVETT, Andrew James

The invention provides an extendible member (10) which is configurable between a coiled form (11) and an extended form (12). The extendible member (10) comprises: a primary member (14) comprising a sheet of material resiliently biased in a slit tube form, wherein the slit tube can be opened out at the slit to assume an open form in which it has a flattened cross section; at least one resilient secondary member (15) having first and second connections to the primary member (14) at respective different circumferential positions on the primary member (14), wherein in the extended form, the primary member (14) is in its slit tube form and the resiliency of the secondary member (15) causes at least part of the secondary member (15) to displace towards the slit in the primary member (14) to provide torsional and axial stiffness to the primary member (14), and wherein in the coiled form (11), the primary member (14) is in its open form and the secondary member (15) conforms to the flattened cross section of the primary member (149 so that primary and secondary member can be co-coiled. Corresponding methods are also provided.

No. of Pages: 42 No. of Claims: 21

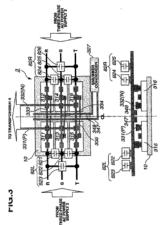
(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

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

		(71)Name of Applicant:
(51) International classification	:H02M5/293,H02M1/12	1)NISSAN MOTOR CO. LTD.
(31) Priority Document No	:2011-122852	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(32) Priority Date	:31/05/2011	Yokohama-shi, Kanagawa 221-0023, JAPAN
(33) Name of priority country	:Japan	2)Nagaoka University of Technology
(86) International Application No	:PCT/JP2012/061655	(72)Name of Inventor:
Filing Date	:07/05/2012	1)Hironori KOYANO
(87) International Publication No	:WO 2012/165100	2)Takamasa NAKAMURA
(61) Patent of Addition to Application	:NA	3)Masao SAITO
Number	:NA	4)Kouji YAMAMOTO
Filing Date	.IVA	5)Tsutomu MATSUKAWA
(62) Divisional to Application Number	:NA	6)Manabu KOSHIJO
Filing Date	:NA	7)Junichi ITOH
		8)Yoshiya OHNUMA

# (57) Abstract:

A power conversion device (3) that directly converts polyphase AC power to AC power is disclosed. A conversion circuit has a plurality of first switching elements (311, 313, 315) and a plurality of second switching elements (312, 314, 316) that are connected to the phases (R, S, T) of the polyphase AC and can switch the flow of current between two directions. Output lines (331, 332) comprising a pair of bus bars are connected to the aforementioned conversion circuit. The output terminals of the first switching elements are laid out in a single line, as are the output terminals of the second switching elements. The aforementioned output lines (331, 332) are connected to said output terminals and extend straight off in one direction.



No. of Pages: 36 No. of Claims: 7

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

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

		(71)Name of Applicant:
(51) International classification	:H02M5/293,H02M1/12	1)NISSAN MOTOR CO., LTD.
(31) Priority Document No	:2011-122844	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(32) Priority Date	:31/05/2011	Yokohama-shi, Kanagawa 221-0023,JAPAN
(33) Name of priority country	:Japan	2)Nagaoka University of Technology
(86) International Application No	:PCT/JP2012/061656	(72)Name of Inventor:
Filing Date	:07/05/2012	1)Hironori KOYANO
(87) International Publication No	:WO 2012/165101	2)Takamasa NAKAMURA
(61) Patent of Addition to Application	·NI A	3)Masao SAITO
Number		4)Kouji YAMAMOTO
Filing Date	:NA	5)Tsutomu MATSUKAWA
(62) Divisional to Application Number	:NA	6)Manabu KOSHIJO
Filing Date	:NA	7)Junichi ITOH
-		8)Yoshiya OHNUMA
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/JP2012/061656 :07/05/2012 :WO 2012/165101 :NA :NA	(72)Name of Inventor: 1)Hironori KOYANO 2)Takamasa NAKAMURA 3)Masao SAITO 4)Kouji YAMAMOTO 5)Tsutomu MATSUKAWA 6)Manabu KOSHIJO 7)Junichi ITOH

## (57) Abstract:

A power conversion device (3) that directly converts polyphase AC power to AC power is disclosed. A conversion circuit has a plurality of first switching elements (311, 313, 315) and a plurality of second switching elements (312, 314, 316) that are connected to the phases (R, S, T) of the polyphase AC and can switch the flow of current between two directions. The power conversion device is also provided with the following: input lines (R, S, T) connected to the input terminals of the switching elements; and output lines (P, N) connected to the output terminals of the switching elements. The output terminals of the first switching elements are laid out in a single line, as are the output terminals of the second switching elements. Also, the line formed by the output terminals of the first switching elements is parallel to the line formed by the output terminals of the second switching elements. The abovementioned output lines are located vertically below than the abovementioned input lines.

No. of Pages: 36 No. of Claims: 7

(22) Date of filing of Application :30/10/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: BATTERY, BATTERY MANUFACTURING METHOD, AND PACKAGED ELECTRODE

(51) International classification :H01M10/04,H01M2/18 (71)Name of Applicant : (31) Priority Document No :2011-085795 1)NISSAN MOTOR CO., LTD. (32) Priority Date :07/04/2011 Address of Applicant :2, Takara-cho, Kanagawa-ku (33) Name of priority country :Japan Yokohama-shi, Kanagawa 221-0023, JAPAN (72)Name of Inventor: (86) International Application No :PCT/JP2012/057015 1)KIM Taewon Filing Date :19/03/2012 (87) International Publication No :WO 2012/137593 2)HISAJIMA Kazumi (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The present invention provides a battery capable of reducing or eliminating the deterioration of a positive electrode due to heat during thermal welding of a separator, and preventing short-circuits by the welded section. This battery (10) has: a sacked positive electrode (40), where at least one part of the end section of a separator (60) is joined by thermal welding to form a sack, and a positive electrode (50) is disposed within the formed sack; and a negative electrode (30) which is layered on the sacked positive electrode (40) and is larger than the positive electrode (50). A welded section (62) formed on the separator (60) by thermal welding is arranged, as viewed from the layered direction, on the outer side of the outer perimeter of the negative electrode (30).

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

(22) Date of filing of Application :08/01/2014 (43) Publication Date : 07/03/2014

## (54) Title of the invention: SOLID COMPOSITIONS AND METHODS FOR GENERATING CHLORINE DIOXIDE

(51) International classification: C01B11/02,B01J20/26,B01J20/04 (71) Name of Applicant: (31) Priority Document No :13/177,275 1) PURELINE TREATMENT SYSTEMS, LLC (32) Priority Date :06/07/2011 Address of Applicant: 647 South Vermont Street, Palatine, (33) Name of priority country :U.S.A. Illinois 60067 U.S.A. (72)Name of Inventor: (86) International Application :PCT/US2012/045511 1)THANGARAJ, John Appadurai :05/07/2012 Filing Date 2)DASARADHI, Lakkaraju (87) International Publication :WO 2013/006678 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

A composition for generating chlorine dioxide comprises active ingredients, a suitable hydrophobic compound, and a suitable super absorbent compound. A suitable hydrophobic compound will, among other characteristics, repel the solvent for at least the initial 30 seconds of exposure thereto. A suitable super absorbent compound will, among other characteristics, absorb at least 75 times its weight in solvent and will not gel until the chlorine-dioxide generating reaction is substantially complete.

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

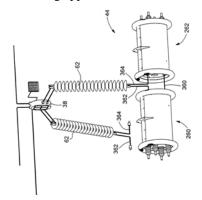
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SWITCHING APPARATUS ,CONTROL SYSTEM AND METHOD FOR VARYING AN IMPEDANCE OF A PHASE LINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant : 1)HYDRO-QUÉBEC Address of Applicant :75, Boul. René-Lévesque Ouest,
(33) Name of priority country	:NA	Montréal, Québec H2Z 1A4 CANADA
(86) International Application No	:PCT/CA2011/000850	(72)Name of Inventor:
Filing Date	:22/07/2011	1)COUTURE, Pierre
(87) International Publication No	:WO 2013/013282	
<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:

An apparatus and a method are provided for varying an impedance of a phase line of a segment of a first electrical power line, the phase line including n conductors electrically insulated from each other and short-circuited together at two ends of the segment. The apparatus includes at least one controllable switching device for connection with at least one of the conductors. The apparatus also includes a controller for performing a control of the at least one controllable switching device, the controller having at least one optical port for receiving first optical signals on which said control is based, and for sending second optical signals to adjacent switching apparatuses, said second optical signals including status information of said one switching apparatus, upon which a control of adjacent switching apparatuses is based.



No. of Pages: 77 No. of Claims: 27

(22) Date of filing of Application :27/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: COMPOUNDS CONTAINING HYDRIDO-TRICYANO-BORATE ANIONS

<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>	:C07F5/02,H01M10/05,C07F5/00 :11004431.0 :31/05/2011 :EPO	1)MERCK PATENT GMBH Address of Applicant :Frankfurter Strasse 250, 64293
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2012/002179 :23/05/2012 :WO 2012/163489	Darmstadt, GERMANY (72)Name of Inventor: 1)Nikolai (Mykola) IGNATYEV 2)Michael SCHULTE 3)Kentaro KAWATA 4)Tomohisa GOTO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)Eduard Bernhardt 6)Vera BERNHARDT-PITCHOUGINA 7)Helge WILLNER
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to compounds containing hydrido tricya borate anions, their preparation and their use, in particular as part of electrolyte formulations for electrochemical or optoelectronic devices.

No. of Pages: 93 No. of Claims: 15

(22) Date of filing of Application :27/12/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention : RADIO FREQUENCY MODULE SUPPORTING MULTIPLE CARRIERS, BASE STATION AND CARRIER DISTRIBUTION 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> </ul>	:H04W72/12 :NA :NA :NA :PCT/CN2011/076811 :04/07/2011 :WO 2012/106863 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO., LTD.  Address of Applicant: Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129, P.R. CHINA (72)Name of Inventor:  1)SHI, Rui
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Disclosed are a radio frequency module supporting multiple carriers, base station and carrier allocation method, the radio frequency module supporting multiple carriers comprise: a carrier generator, a carrier allocator, a carrier synthesizer and at least two transmission channels; the carrier generator is connected to the carrier synthesizer, the carrier synthesizer is connected to the transmission channels, and the carrier allocator is connected to the carrier synthesizer and the transmission channels respectively. When the embodiment of the present invention is not in full configuration, the carrier allocator allocates designated transmission channels for multiple carrier signals according to the power bearing capability of each transmission channel and the total power of the multiple carrier signals to be allocated, thereby improving the efficiency of the multiple carrier modules and conserving energy.

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

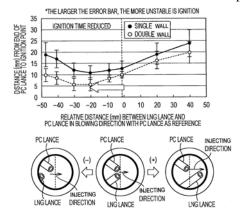
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: METHOD FOR OPERATING A BLAST FURNACE

(51) International classification	:C21B5/00,C21B7/00	(71)Name of Applicant:
(31) Priority Document No	:2011-156956	1)JFE STEEL CORPORATION
(32) Priority Date	:15/07/2011	Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-
(33) Name of priority country	:Japan	ku, Tokyo 100-0011, JAPAN
(86) International Application No	:PCT/JP2012/004463	(72)Name of Inventor:
Filing Date	:11/07/2012	1)Akinori MURAO
(87) International Publication No	:WO 2013/011661	2)Daiki FUJIWARA
(61) Patent of Addition to Application	:NA	3)Shiro WATAKABE
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a blast furnace operating method that enables further improvement of combustion temperature and reduction of reductant prime cost. When two or more lances for blowing a reductant from tuyeres, with an LNG serving as a flammable reductant and pulverized coal in the form of a solid reductant, are used, the front end of a lance for blowing the LNG is positioned away from the front end of a lance for blowing the pulverized coal by l0-50mm in the blowing direction. Consequently, the temperature of the pulverized coal is effectively increased by the LNG, the LNG burns first and explosively expands upon coming into contact with oxygen, and the temperature of the pulverized coal is drastically increased. Because the combustion temperature is drastically improved as a result, the reductant prime cost can be reduced. When a double-pipe lance is utilized as the lance for blowing the pulverized coal, the pulverized coal is blown in through the inner pipe, and oxygen is blown in through the outer pipe so as to ensure enough oxygen for burning the pulverized coal, so the combustibility can be further improved. Also, the flow velocity at the outlet of the lance is set to 20-120m/sec in order to prevent deformation of the lance.



No. of Pages: 41 No. of Claims: 9

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

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

		(71)Name of Applicant:
(51) International classification	:H02M5/293,H02M1/12	1)NISSAN MOTOR CO., LTD.
(31) Priority Document No	:2011-122836	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(32) Priority Date	:31/05/2011	Yokohama-shi, Kanagawa 221-0023, JAPAN
(33) Name of priority country	:Japan	2)Nagaoka University of Technology
(86) International Application No	:PCT/JP2012/061659	(72)Name of Inventor:
Filing Date	:07/05/2012	1)Hironori KOYANO
(87) International Publication No	:WO 2012/165104	2)Takamasa NAKAMURA
(61) Patent of Addition to Application	:NA	3)Masao SAITO
Number	:NA	4)Kouji YAMAMOTO
Filing Date	.NA	5)Tsutomu MATSUKAWA
(62) Divisional to Application Number	:NA	6)Manabu KOSHIJO
Filing Date	:NA	7)Junichi ITOH
		8)Yoshiya OHNUMA

# (57) Abstract:

A power conversion device (3) that directly converts polyphase AC power to AC power. A conversion circuit has a plurality of switching elements (311, 313, 315, 312, 314, 316) that are connected to the phases (R, S, T) of the aforementioned polyphase AC and can switch the flow of current between two directions. At least three capacitors (821-826) are connected between the phases of the conversion circuit. Said three capacitors are laid out at the respective vertices of a triangle (400) in a plane parallel to the plane containing the abovementioned switching elements. This makes it possible to reduce the wiring distance between the capacitors and the switching elements.

No. of Pages: 36 No. of Claims: 6

(21) Application No.3851/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR SUPPORTING MULTIPLE FREQUENCY BANDS IN MOBILE COMMUNICATION SYSTEM

(51) International :H04W48/10,H04W72/02,H04W88/10

classification

(31) Priority Document No :61/526,223 (32) Priority Date :22/08/2011 (33) Name of priority

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

(86) International :PCT/KR2012/006545

Application No
Filing Date

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:17/08/2012

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

Filing Date
(62) Divisional to
Application Number
Filing Date

INA
:NA
:NA

(71)Name of Applicant:

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Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, REPUBLIC OF KOREA

(72)Name of Inventor: 1)Sang Bum KIM 2)Soeng Hun KIM

3)Gert-Jan VAN LIESHOUT 4)VAN DER VELDE, Himke

(57) Abstract:

A method and an apparatus for supporting multiple frequency bands efficiently in a mobile communication system are provided. The method includes generating first system information including a frequency band indicator indicating a frequency band supported by the base station and an additional frequency band indicator indicating at least one frequency band supported by the base station, and broadcasting the first system information.

No. of Pages: 38 No. of Claims: 16

:NA

(19) INDIA

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

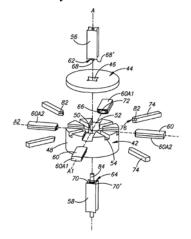
## (54) Title of the invention: APPARATUS AND METHOD FOR MANUFACTURING CUTTING INSERTS

(51) International classification:B30B11/00,B30B11/02,B28B3/08 (71)Name of Applicant: (31) Priority Document No :214642 1)ISCAR LTD. (32) Priority Date :14/08/2011 Address of Applicant :P.O. Box 11, 24959 Tefen, ISRAEL (33) Name of priority country: Israel (72)Name of Inventor: (86) International Application 1)SATRAN, Amir :PCT/IL2012/050260 No 2)ZIBENBERG, Alexander :19/07/2012 Filing Date (87) International Publication :WO 2013/024473 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

A method for manufacturing a cutting insert green body from a sinterable powder, a tool set for manufacturing the cutting insert green body by that method and the green body manufactured by the tool set. The tool set has axially moving upper and lower punches and radially moving side punches. The side punches move slidably on die rods. The side punches and die rods move in channels in a base body on which a cover plate is mounted. The upper and lower punches move in through holes in the cover plate and base body, respectively. The die rods are stationary during compaction of the sinterable powder. The upper, lower and side punches form surfaces of the green body and the die rods form some of the edges of the green body. The green body can have undercuts and the edges formed by the die rods can be non-linear in shape.



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

(21) Application No.1068/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : CONTROL METHOD OF A FLOTATION MACHINE THAT IS USED IN METALLURGICAL PROCESSES

(51) International classification: B03D1/16,B03D1/02,G01F23/28 (71) Name of Applicant: (31) Priority Document No :20106006 1)OUTOTEC OYJ (32) Priority Date :29/09/2010 Address of Applicant : Riihitontuntie 7, FI-02200 Espoo (33) Name of priority country :Finland **FINLAND** (86) International Application (72)Name of Inventor: :PCT/FI2011/050831 No 1)RINNE, Antti :26/09/2011 Filing Date 2)SALOHEIMO, Kari (87) International Publication :WO 2012/042110 No (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 method of using a flotation machine that is used in metallurgical processes and to a flotation machine. The flotation machine foams hydrophobic particles from anaqueous slurry that contains these particles. The flotation machine includes a flotation cell (1), and a rotor (2) that is inside the flotation cell. The rotor (2) is rotated at a mixing power, which maintains the suspension in the slurry and mixing of air with the slurry to form the foam, and the mixing power is controlled by adjusting the rotation speed of the rotor. The amount of solid matter S accumulated on the bottom of the cell (1) is determined, and the rotation speed of the rotor (2) is adjusted on the basis of the determined amount of solid matter. The flotation machine includes a measuring device (5) for determining the amount of solid matter accumulated on the bottom of the cell. The adjusting device (4) is arranged to adjust the rotation speed of the motor (3), which rotates the rotor (2), on the basis of the measuring result of the measuring device (5) to remove the solid matter from the bottom of the cell.

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

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

(19) INDIA

(22) Date of filing of Application :23/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: DEVICE FOR TREATING PACKAGING MEANS, AND PRESSURE SEGMENT FOR USE IN A DEVICE OF THIS TYPE

(51) International classification :B41J3/407,B41J11/00,B41J3/54 (71) Name of Applicant:

(31) Priority Document No :10 2011 112 281.1

(32) Priority Date :02/09/2011

(33) Name of priority country :Germany

(86) International Application No:PCT/EP2012/002928

Filing Date :12/07/2012 (87) International Publication No: WO 2013/029711

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)KHS GMBH

Address of Applicant : Juchostrasse 20 44143

Dortmund, Germany (72)Name of Inventor: 1)SCHACH, Martin 2)REINIGER, Markus 3)PRECKEL,Katrin

4)VAN DE WYNCKEL,Werner

## (57) Abstract:

Device for treating packaging means (2) by applying fitting features or fittings to the packaging means (2), with a packaging means transport section, on which the packaging means (2) are moved for treatment in a transport direction (A) from a packaging means inlet (1.1) to a packaging-means outlet (1.2), wherein the packaging-means transport section is formed by at least one transport and treatment element (7, 7a) which can be driven so as to circulate about a vertical machine axis and has a plurality of treatment positions.

No. of Pages: 37 No. of Claims: 21

(22) Date of filing of Application :23/12/2013

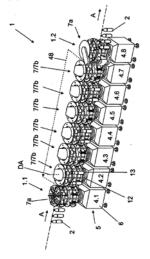
(43) Publication Date: 07/03/2014

# (54) Title of the invention : DEVICE FOR TREATING PACKAGING MEANS ,AND HOLDING AND CENTRING UNIT FOR PACKAGING 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:10 2011 112 281.1 :02/09/2011 :Germany :PCT/EP2012/002929 :12/07/2012 :WO 2013/029712 :NA :NA	(71)Name of Applicant: 1)KHS GMBH Address of Applicant: Juchostrasse 20 44143 Dortmund,Germany (72)Name of Inventor: 1)REINIGER,Markus 2)SCHACH,Martin 3)STENNER,Holger
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	:NA :NA :NA	

## (57) Abstract:

Device for treating packaging means (2) by applying fitting features or fittings to the packaging means (2), having a packaging-means transport section, on which the packaging means (2) are moved for treatment in a transport direction (A) from a packaging-means inlet to a packaging-means outlet, wherein the packaging-means transport section is formed by at least one transport and treatment element (7) which can be driven so as to circulate about a vertical machine axis and has a plurality of receptacles.



No. of Pages: 37 No. of Claims: 28

(21) Application No.3805/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: SUBSTITUTED HETEROCYCLIC AZA DERIVATIVES

(51) International :C07D213/40,C07D213/74,C07D213/75 classification

:EPO

(31) Priority Document :11006115.7

:26/07/2011 (32) Priority Date

(33) Name of priority

country

(86) International

:PCT/EP2012/003138 Application No :25/07/2012

Filing Date

(87) International :WO 2013/013817 **Publication No** 

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

(71)Name of Applicant: 1)GRÜNENTHAL GMBH

Address of Applicant : Zieglerstrasse 6, D-52078

Aachen, Germany

(72)Name of Inventor:

1)FRANK.Robert

2) CHRISTOPH, Thomas

3)LESCH,Bernhard

4)LEE,Jeewoo

## (57) Abstract:

The invention relates to heterocyclic aza derivatives as vanilloid receptor ligands, to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 180 No. of Claims: 15

(21) Application No.41/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :08/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR SUPERCRITICAL DIESEL COMBUSTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application 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>	:F02M43/00 :61/496,887 :14/06/2011 :U.S.A. :PCT/US2012/042372 :14/06/2012 :WO 2012/174190 :NA :NA	(71)Name of Applicant:  1)WSC THREE,S.A.  Address of Applicant:LOS CONQUISTADORES 1700 OF 24B, PROVIDENCIA, SANTIAGO.Chile (72)Name of Inventor:  1)STONE, Christopher, S.
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for supercritical diesel combustion combines fumigation and supercritical diesel fuel combustion to effect greater fuel efficiency and reduce exhaust gas pollutants from a compression ignition engine. The invention utilizes the fumigant method by combining two gases (DME and propane) which autoignite prior to the injection of the liquid diesel fuel. This pre-combustion of the fumigant gases combined with the engines compression of the combustion chamber gases is managed to attain a supercritical combustion chamber environment into which the liquid diesel fuel is injected. This targeted supercritical combustion chamber environment causes the diesel fuel to become a supercritical fluid prior to combustion, resulting in significantly greater efficiency and negligible exhaust gas pollutants resulting from the combustion of the diesel fuel.

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

(22) Date of filing of Application :31/05/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR GEOMETRY-BASED SPATIAL AUDIO CODING

(51) International :G10L19/14,G10L19/02,G10L19/00 classification

(31) Priority Document No :61/419,623 :03/12/2010 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2011/071644

:02/12/2011 Filing Date

(87) International Publication :WO 2012/072804

No (61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.

Address of Applicant: Hansastrasse 27c, 80686 Muenchen,

**GERMANY** 

2)Friedrich-Alexander-Universitaet Erlangen-Nuernberg

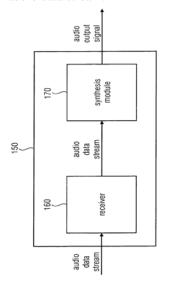
(72)Name of Inventor: 1)DEL GALDO, Giovanni 2)THIERGART, Oliver 3)HERRE, Jürgen

4)KUECH, Fabian 5)HABETS, Emanuel 6) CRACIUN, Alexandra

7)KUNTZ, Achim

## (57) Abstract:

An apparatus for generating at least one audio output signal based on an audio data stream comprising audio data relating to one or more sound sources is provided. The apparatus comprises a receiver for receiving the audio data stream comprising the audio data. The audio data comprises one or more pressure values for each one of the sound sources. Furthermore, the audio data comprises one or more position values indicating a position of one of the sound sources for each one of the sound sources. Moreover, the apparatus comprises a synthesis module for generating the at least one audio output signal based on at least one of the one or more pressure values of the audio data of the audio data stream and based on at least one of the one or more position values of the audio data of the audio data stream.



No. of Pages: 94 No. of Claims: 25

(22) Date of filing of Application :31/05/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR DECOMPOSING AN INPUT SIGNAL USING A PRECALCULATED REFERENCE CURVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International 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>	:H04S3/00 :61/421,927 :10/12/2010 :U.S.A. :PCT/EP2011/070700 :22/11/2011 :WO 2012/076331 :NA :NA	(71)Name of Applicant:  1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Address of Applicant: Hansastrasse 27c, 80686 München, GERMANY (72)Name of Inventor: 1)WALTHER, Andreas
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2012/076331 :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An apparatus for decomposing a signal having an number of at least three channels comprises an analyzer (16) for analyzing a similarity between two channels of an analysis signal related to the signal having at least two analysis channels, wherein the analyzer is configured for using a pre calculated frequency dependent similarity curve as a reference curve to determine the analysis result. The signal processor (20) processes the analysis signal or a signal derived from the analysis signal or a signal, from which the analysis signal is derived using the analysis result to obtain a decomposed signal.

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

(22) Date of filing of Application :07/06/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: MONITORING AND FAULT DIAGNOSIS OF AN ELECTRIC MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01R31/34 :10 2010 063 759.9 :21/12/2010 :Germany :PCT/EP2011/072224 :08/12/2011 :WO 2012/084535 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MÜNCHEN, GERMANY (72)Name of Inventor: 1)ANDRÉ LEPPICH 2)MARKUS LUFF 3)JÜRGEN ROBMANN 4)ALEXANDER STUKENKEMPER
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### (57) Abstract:

The invention relates to a method for monitoring a rotating electric machine (1) that is fed by a converter and for diagnosing faults of said rotating electric machine. A current signature (I1, I2, I3) of output signals of the converter is recorded, the current signature (I1, I2, I3) is transformed, and the transformed current signature (A) is evaluated in at least one frequency band in order to detect damage to the machine (1).

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

(22) Date of filing of Application :06/01/2014

(43) Publication Date: 07/03/2014

## (54) Title of the invention: CUTTING TOOL AND CUTTING INSERT HAVING A CLAMPING BORE WITH SPACED APART **CLAMPING PORTIONS**

(51) International classification :B23C5/22,B23C5/08,B23C5/10 (71)Name of Applicant :

(31) Priority Document No :214781

(32) Priority Date :22/08/2011

(33) Name of priority country :Israel

(86) International Application No: PCT/IL2012/050273

Filing Date :25/07/2012

(87) International Publication No: WO 2013/027211

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)ISCAR LTD.

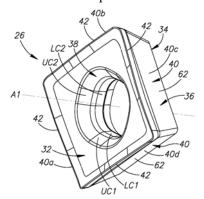
Address of Applicant : P.O. Box 11, 24959 Tefen, Israel

(72)Name of Inventor: 1)TULCHINSKY, Evgeny

2)SATRAN, Amir

## (57) Abstract:

A cutting tool (20) has a cutting insert (26) removably secured to a tool body (22) by a fastening member (28). The cutting insert (26) includes a clamping bore (38) having at least two upper (UC1, UC2) and at least two lower (LCI, LC2) clamping portions intersecting a first (PHI) and a second (PH2) horizontal plane perpendicular to a central axis (Al) and spaced apart from each other, and the clamping bore (38) being non-circular at cross-sections taken in the first and second horizontal planes (PHI, PH2). Upper (LU1, LU2) and lower (LL1.LL2) imaginary lines tangential to the at least two upper (UC1, UC2) and the at least two lower (LCI, LC2) clamping portions, respectively, form zero or acute first and second clamping angles with the central axis, the first and second clamping angles being different. Exactly two up- per (UC1, UC2) and exactly two lower (LCI, LC2) clamping portions are in simultaneous clamping contact with an equal number of corresponding clamping zones (UZI, UZ2, LZI, LZ2) on the fastening member (28).



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

(19) INDIA

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

(21) Application No.48/KOLNP/2014 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: OIL SCRAPER RING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:F16J9/06,F16J9/20 :10 2011 108 280.1 :21/07/2011 :Germany :PCT/DE2012/000573 :30/05/2012 :WO 2013/010520 :NA :NA	(71)Name of Applicant:  1)FEDERAL-MOGUL BURSCHEID GMBH Address of Applicant: Bürgermeister-Schmidt-Strasse 17, 51399 Burscheid, Germany (72)Name of Inventor: 1)BÄRENREUTER, Dirk 2)GILLEN Jürgen 3)MIX, Christoph
(61) Patent of Addition to Application Number	:NA	,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an oil scraper ring, comprising a main body (2) having a radially outer running surface (3), a radially inner peripheral surface (6), and an upper (8) and a lower (7) flank, the ring having at least two running surface webs (4, 5), which, if necessary, are provided with a wear-resistant coating (15), the webs conically tapering at a predeterminable angle from the main body radially in the direction of the end (10) thereof facing a counter-running surface and forming limbs (11, 13), and the free end (10) of the running surface webs (4, 5) being configured at least partially obliquely extending from a region (O) on the oil chamber side in the direction of a region (8) on the combustion chamber side, wherein the respective transition regions are configured in a rounded manner, on the one side from the oblique region (12) of the running surface web (4, 5) to the limbs (11, 13) and on the other side from the limbs (11, 13) to the main body (2), wherein the oblique region (12) of the running surface web (4, 5) is in operative connection with a cylindrical portion (14) extending in the direction of the region (O) on the oil chamber side, the radius (R) of the scraper edge provided in the cylindrical portion (14) is 0.02 to 0.2 mm, and the flank angle is  $\leq 18^{\circ}$  and the width of the respective cylindrical portion (14) is < 0.15 mm.

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

(22) Date of filing of Application :03/09/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: FINANCIAL TRANSACTIONS WITH A VARYING PIN

	.0060	(71)N 6 A P 4
(51) International classification	:G06Q	(71)Name of Applicant:
(0) P. L. D	20/00	1)NET1 UEPS TECHNOLOGIES, INC
(31) Priority Document No	:61/696,726	1
(32) Priority Date	:04/09/2012	CNR JAN SMUTS AND BOLTON ROADS, ROSEBANK, 2196,
(33) Name of priority country	:U.S.A.	JOHANNESBURG, GAUTENG, SOUTH AFRICA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BELAMANT, SERGE CHRISTIAN PIERRE
(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	
		<u> </u>

#### (57) Abstract:

A financial transaction facilitating device for facilitating a financial transaction at an ATM, point of sale station, via the Internet or to login to a financial account generates a PIN in response to a correct biometric identifier being supplied. The device has a data storage unit, an input device operable by a transactor for inputting a request for a PIN, a biometric identifier input device for inputting a biometric identifier of the transactor, a verifying unit for verifying a biometric identifier provided, in use, by the transactor, a PIN generator for generating a PIN if the inputted biometric identifier is verified, and an output device for supplying the PIN to the transactor. The biometric identifier may be a sound signal, a visual signal, or a fingerprint. Correspondingly, a financial transaction processing facility of an issuer of credit or debit cards has a receiving unit for receiving a transaction request from a transactor to whom a credit or debit card has been issued, together with a PIN, a verifying unit for verifying the PIN, and a transaction approving unit for approving the transaction if the received PIN is verified. The received PIN may be verified using a check PIN generator for generating a check PIN and a comparator for comparing the check PIN and the received PIN.

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

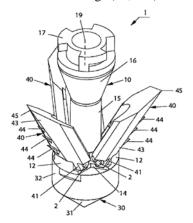
(22) Date of filing of Application :10/10/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: EARTH ANCHOR.

(51) International classification	:E02D5/80	(71)Name of Applicant :
(31) Priority Document No	:PI 2011001353	1)ANG WAI MING
(32) Priority Date	:25/03/2011	Address of Applicant :No.9, Jalan 11, United Garden, Old
(33) Name of priority country	:Malaysia	Klang Road, 58200 Kuala Lumpur(MY) Malaysia
(86) International Application No	:PCT/MY2012/000065	(72)Name of Inventor:
Filing Date	:26/03/2012	1)ANG WAI MING
(87) International Publication No	:WO 2012/134263	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An earth anchor (1) use for slope stabilization, anchorage or similar works comprises a body (10), a guider (30) detachably connected to the lower end of said body (10) and a plurality of wings (40, 40a) pivotally hinged and secured to the peripheral of said body (10). The plurality of pivotally hinged wings (40, 40a) extends outwardly from the body (10), when the earth anchor (1) is progressively withdrawn from its settled position in the passageway, providing a large projected area to form a wider frustum cone thus enabling a higher anchorage force. A desired anchorage force can be achieved with a lower depth of soil penetration with the earth anchor (1). The design of the earth anchor (1) enables more than one unit of said earth anchor (1) to be interlocked together to increase in number of extended wings (40, 40a) in order to provide for a more positive and solid frustum cone.



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

(21) Application No.3777/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/12/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: COMPOSITE MATERIAL FOR CHROMATOGRAPHIC APPLICATIONS

(51) International :B01J20/283,B01J20/285,B01J20/286 classification

(31) Priority Document No :20110173849

(32) Priority Date :13/07/2011 (33) Name of priority

:EPO country

(86) International :PCT/EP2012/063718

Application No :12/07/2012 Filing Date

(87) International

:WO 2013/007793 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)INSTRACTION GmbH

Address of Applicant : Janderstr. 3 68199 Mannheim

**GERMANY** 

(72)Name of Inventor: 1)SCHWARZ, Thomas 2) WELTER, Martin 3) ARENDT, Markus

## (57) Abstract:

The present application pertains to a composite material for chromatographic applications and a method for the preparation of the composite material.

No. of Pages: 76 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :10/01/2014 (43) Publication Date : 07/03/2014

(54) Title of the invention : SYSTEM AND METHOD FOR REDUCING POWER CONSUMPTION IN A POWER SUPPLY CIRCUIT

(21) Application No.50/KOLNP/2014 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(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>	:2011902560 :29/06/2011 :Australia	(71)Name of Applicant:  1)ECRTECH HOLDINGS PTY LTD  Address of Applicant: 180 Dungay Creek Road Dungay, New South Wales 2484 AUSTRALIA (72)Name of Inventor:  1)CAMPEANU, Ron 2)GONANO, Laurence
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#### (57) Abstract:

A system for reducing power consumption in a power supply circuit including: a transformer including: a core; a first winding including a first end and a second end of a first wire wound on the core; a second winding including a first end and a second end of a second wire, wherein the second wire has a larger cross-section than the first wire and the second end of the first wire is connected to the first end of the second wire; an input electrically connecting the first and second windings to the power supply circuit; and an output for connecting to a load; and a controller connected to the transformer for controlling an output voltage at the output, wherein the output voltage is less than a supply voltage at the input, to reduce the power consumption of the load.

No. of Pages: 38 No. of Claims: 18

(22) Date of filing of Application :22/04/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: A CENTRIFUGAL SEPARATOR AND AN OUTLET ELEMENT FOR A CENTRIFUGAL **SEPARATOR**

(51) International classification: B04B1/20,B04B7/02,B04B11/02 (71) Name of Applicant:

(31) Priority Document No :PA 2010 70484 (32) Priority Date :12/11/2010 (33) Name of priority country :Denmark

(86) International Application :PCT/DK2011/050436

:14/11/2011 Filing Date

(87) International Publication :WO 2012/062337

No (61) Patent of Addition to :NA

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

:NA Number :NA

Filing Date

1)ALFA LAVAL CORPORATE AB

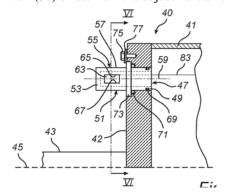
Address of Applicant : P.O. Box 73, S-221 00, Lund SWEDEN

(72)Name of Inventor: 1)MADSEN, Bent

2) REIFF, Henrik

## (57) Abstract:

A centrifugal separator comprises a rotating body (40) rotating in use around an axis (45). The rotating body (40) comprises a bowl (41), which comprises a base (42) at one longitudinal end of said bowl, said base defining a rear longitudinal area. An outlet passage (47) extends through the base and an outlet housing (55) is provided in the rear longitudinal area. The outlet housing (55) is communicating with the outlet passage to receive liquid therefrom and the outlet housing has an outlet opening (63) discharging in use liquid from the rotating body. The outlet opening (63) comprises a weir edge (65) defining in normal use a level (83) of a surface of a liquid in the bowl. The outlet housing (55) is rotatable around an adjustment axis (59) and the outlet opening (63) is placed in a side wall (57) offset from the adjustment axis (59).



No. of Pages: 24 No. of Claims: 22

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ROBOT SYSTEM AND TEACHING METHOD THEREFOR

(51) International classification	:B2J5	(71)Name of Applicant:
(31) Priority Document No	:2012- 192352	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:31/08/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KIHARA EIJI
(87) International Publication No	: NA	2)NAKAGAWA JIRO
(61) Patent of Addition to Application Number	:NA	3)YOSHIDA OSAMU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		-

### (57) Abstract:

A robot system according to an aspect of an embodiment includes a robot and a work bench. The robot has a plurality of joints including a first joint that is provided so as to be rotatable relative to an installation surface. On the work bench, a fixing part, by which a work member used in operations of the robot is fixed, is provided on a plate surface of a top plate with a rotation axis of the first joint serving as a normal line thereof, along a circular arc having a center at an intersection between the plate surface and the rotation axis.

No. of Pages: 37 No. of Claims: 10

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DEVICE FOR RECEIVING AND UNCOILING AT LEAST ONE ROLL OF WIRE, METALLURGICAL PLANT EQUIPPED WITH SAID DEVICE, AND METHOD FOR UNCOILING WIRE

:B65H49/12,B65H49/16 (71)Name of Applicant : (51) International classification (31) Priority Document No :102011080017.4 (32) Priority Date :28/07/2011 (33) Name of priority country :Germany (86) International Application No :PCT/EP2012/064413 Filing Date :23/07/2012 (87) International Publication No :WO 2013/014125

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

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2, 80333 München

Germany

(72)Name of Inventor: 1)Markus DORNDORF 2)Michael HENRICH

3)Alexander MULLER

## (57) Abstract:

The invention relates to a device (1) for receiving and uncoiling at least one roll of wire (2, 2a, 2b), wherein the device (1) comprises a housing (1a), which has one after the other in the vertical direction a receiving region (10) and a working region (11) for the at least one roll of wire (2, 2a, 2b), and wherein the device (1) also comprises at least one transporting box (1b, 1b, 1b, 1bx, 1by), which can be inserted at least in the receiving region (10) of the housing (1a), wherein each transporting box (1b, 1b, 1bx, 1by) can receive one roll of wire (2, 2a, 2b), and wherein the at least one transporting box (1b, 1b, 1b, 1bx, 1by) is able to be moved in the housing (1a) from the receiving region (10) into the working region (11). The invention also relates to a metallurgical plant (100) with at least one device (1) according to the invention and to a method for uncoiling wire (20) from at least one roll of wire (2, 2a, 2b) using a device (1) according to the invention, wherein a continuous uncoiling of wire (20) takes place in the working region (11) of the housing (1a).

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

(19) INDIA

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

(21) Application No.30/KOLNP/2014 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: BIORESORBABLE WOUND DRESSING

(51) International

:A61L15/32,A61K38/18,A61F13/00

classification

(31) Priority Document No :11170971.3

(32) Priority Date

:22/06/2011

(33) Name of priority country: EPO

(86) International Application: PCT/EP2012/061965

No Filing Date

:21/06/2012

(87) International Publication :WO 2012/175611

(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)BIOPHARM GESELLSCHAFT ZUR

BIOTECHNOLOGISCHEN ENTWICKLUNG VON

PHARMAKA MBH

Address of Applicant: Czernyring 22, 69115 Heidelberg,

**GERMANY** 

2) CARL FREUDENBERG KG

(72)Name of Inventor:

1)PLÖGER, Frank

2) REIBEL, Denis

3)GRAFAHREND, Dirk

4)NEUMÜLLER, Daniel

# (57) Abstract:

The present invention is directed to novel non- woven fabrics containing growth and differentiation factor proteins. Said fabrics are specifically designed to accelerate tissue regeneration and wound healing processes of mammalian tissues. Furthermore, the invention provides wound dressings, pads or implants comprising the novel non-woven fabrics.

	1 :	arlpklltfl	lwylawidle	fictvlgapd
lgqrpqgtrp	glakaeaker pp	olarnvfrp		
	61	gghsygggat	nanarakggt	gqtggltqpk
kdepkklppr	pggpepkpgh pg	pqtrqatar		
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epgpprepke	pfrpppitph ey	mlslyrtl		
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ddrgpyvrkq	ryvfdisale k	igllgaelr		
	241	ilrkkpsdta	kpaapgggra	aqlklsscps
grqpaslldv	rsvpgldgsg w	rvfdiwklf		
		rnfknsaglc	leleawergr	avdlrglgfd
raarqvheka	lflvfgrtkk re	llffneika		
			eylfsqrrkr	maplatrqgk
rpsknlkar <u>c</u>	srkalhvnfk dr	ngwddwiia		
	421	pleyeafhce	glcefplrsh	leptnhavio
tlmnsmdpes	tpptccvptr l	spisilfid		
48	81 <u>sannvvykgy</u>	edmyvescqc r		

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

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CYLINDER HEAD AND SADDLE-STRADDLING TYPE MOTOR VEHICLE.

(51) International classification	:F02F 1/00 :2012-	(71)Name of Applicant: 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(31) Priority Document No	194181	Address of Applicant :2500,SHINGAI, IWATA-
(32) Priority Date (33) Name of priority country	:04/09/2012 :Japan	SHI,SHIZUOKA-KEN 438-8501, JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)YASUSHI TAKEMOTO
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 exhaust passage that leads gas exhausted from a combustion chamber to an exhaust pipe is sectioned by an exhaust passage portion. The exhaust passage portion projects from an sidewalk The exhaust pipe is fitted into an exhaust pipe fitting portion of the exhaust passage portion. Bolts for attaching an exhaust pipe is fixed to a bolt fixing portions of the exhaust passage portion. At least part of the bolt fixing portions are provided outside of the exhaust pipe fitting portion in an exhaust passage radial direction as viewed from a cylinder axial direction. The downstream end surface of the exhaust pipe fitting portion in the exhaust passage axial direction is formed to be inclined with respect to the sidewall as viewed from the cylinder axial direction. The downstream end surfaces of the bolt fixing portions are formed at a further upstream position than the downstream end surface of the exhaust pipe fitting portion in the exhaust passage axial direction.

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

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : EASY-TO-CLEAN SPRAY GUN, ACCESSORIES THEREFOR AND MOUNTING AND DISMOUNTING METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:10 2011 106 060.3 :30/06/2011 :Germany :PCT/EP2012/001939 :05/05/2012 :WO 2013/000524 :NA	(71)Name of Applicant:  1)SATA GMBH & CO. KG Address of Applicant: Domertalstr. 20, 70806 Kornwestheim, GERMANY (72)Name of Inventor: 1)SCHMON, Ewald 2)DETTLAFF, Peter 3)BROSE, Jens
* * *	:NA :NA	3)BROSE, Jens
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a one-piece spray gun, comprising a main body (1a, 1b), a trigger (40), a paint needle operating element (23) coupled to the trigger (40), a paint needle (26) coupled to the paint needle operating element (23), and an exchangeable spray agent guiding unit (27), the inlet region (27b) of which is or can be connected to a material supply device (28) for the material to be sprayed, wherein the main body (1a, 1b) has at least one opening (61a, 61b) for receiving the exchangeable spray agent directing unit (27). The invention further relates to a material supply device (28), to a cover, to a method for mounting an exchangeable spray agent guiding unit (27) in or on a one-piece spray gun, and to a method for removing an exchangeable spray agent directing unit (27) from or out of a one-piece spray gun.

No. of Pages: 50 No. of Claims: 121

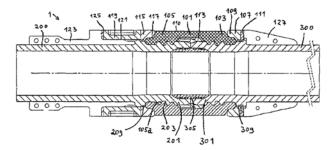
(22) Date of filing of Application :07/10/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: CONNECTION ASSEMBLY

(51) International (71)Name of Applicant: :E21B17/08,F16L37/127,F16L37/138 classification 1)AKER SUBSEA AS (31) Priority Document No :2011 0730 Address of Applicant :Postboks 94, 1325 Lysaker, Norway (32) Priority Date :18/05/2011 (72)Name of Inventor: (33) Name of priority 1)NGUYEN, Hy :Norway country 2)HÄLL, Kent (86) International 3)W†RSTAD, ~ystein :PCT/EP2012/001309 Application No :26/03/2012 Filing Date (87) International :WO 2012/156004 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

### (57) Abstract:

Connection assembly (1) for connecting a first and second pipe end (201, 301) of pipes (200, 300). The pipe ends exhibit outwardly facing pipe locking profiles (203, 303). Locking segments (101) are distributed about the second pipe end (301) and have a connected (103) and a movable portion (105) with segment locking profiles (103a, 105a). The movable portion (105) is pivotable between an inward locking position and an outward free position. Among the pairs of facing locking profiles, comprising a first pair including the segment locking profile (103a) and facing pipe locking profile (303) of the second pipe end, and a second pair, at least one pair exhibits an inclined face (S1, S2, S3) which is misaligned a misalignment distance (M1, M2, M3) with respect to the facing inclined face (P1, P2, P3) of the profile with which it engages.



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

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MANUAL SERVICE DISCONNECT WITH INTEGRATED PRECHARGE FUNCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:E05F 15/00 :13/487,834 :04/06/2012 :U.S.A. :NA :NA	(71)Name of Applicant:  1)GM GLOBAL TECHNOLOGY OPERATIONS LLC Address of Applicant:300 GM RENAISSANCE CENTER, DETROIT, MICHIGAN 48265-3000, U.S.A. (72)Name of Inventor: 1)JAMES E. TARCHINSKI, 2)CRAIG A. KOLLAR, 3)GREGORY G. CESIEL
(61) Patent of Addition to Application Number	:NA	3)GREGORY G. CESIEL
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A manual service disconnect device for an electric vehicle that includes an integrated pre-charge function. The manual service disconnect device includes a rotatable body having a non-conductive handle and a conductive shaft, a first terminal, a second terminal, a third terminal, a first wire electrically coupled to the third terminal, a second wire electrically coupled to the second terminal, and a resistor electrically coupled to the first wire and the first terminal. The rotatable body is inserted so that the conductive shaft makes electrical contact between the first terminal and the second terminal so that electrical current can flow between the first wire and the second wire through the resistor and the rotated so that the conductive shaft makes electrical contact between the second terminal and the third terminal so that electrical current flows directly between the first wire and the second wire.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MULTIPART COVER MADE OF PAPER AND METHOD FOR PRODUCING A COVER.

(51) International classification		(71)Name of Applicant:
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/659,203 :13/06/2012	,
(33) Name of priority country	:U.S.A.	OF CHINA BUILDING, SINGAPORE 049908, Singapore
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WERNER STAHLECKER
(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:

No. of Pages: 36 No. of Claims: 22

<sup>1.1</sup> A multipart cover made of paper material and a method for producing a multipart cover. 2.1 The invention is related to a multipart cover made of paper material comprising a base body which includes a cover plate and a circumferential cover collar extending from the cover plate, wherein the cover collar, in a conditionplaced onto a vessel to be closed, surrounds an upper rim of a vessel to be closed, and a reinforcement ring which surrounds the cover collar at least sectionally on the radially exterior side of the cover collar, wherein the cover collar includes at least one bead encircling the cover collar in the circumferential direction, wherein viewed in the elevation direction the bead is disposed at a constant distance to the cover plate.

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : ORAL CONTRACEPTIVES TO PREVENT PREGNANCY AND DIMINISH PREMENSTRUAL SYMPTOMATOLOGY

(71) T	A CATT OA 15 CE	(71)
(51) International classification	:A61K 31/567	(71)Name of Applicant:
(31) Priority Document No	:60/335807	1)TEVA WOMEN'S HEALTH, INC.
(32) Priority Date	:05/12/2001	Address of Applicant :400 CHESTNUT RIDGE ROAD,
(33) Name of priority country	:U.S.A.	WOODCLIFF LAKE, NEW JERSEY 07677. U.S.A.
(86) International Application No	:PCT/US02/38602	(72)Name of Inventor:
Filing Date	:04/12/2002	1)BELL ROBERT G
(87) International Publication No	:WO 03/049744	2)BEN-MAIMON CAROLE
(61) Patent of Addition to Application Number	r :NA	3)ISKOLD BEATA
Filing Date	:NA	
(62) Divisional to Application Number	:750/KOLNP/2004	
Filed on	:03/06/2004	

## (57) Abstract:

This invention relates to a method of preventing pregnancy and treating PMS including PMDD. More particularly, the invention relates to a method, which involves administering one of several combination oral contraceptive regimens in combination with an antidepressant and a kit containing the same.

No. of Pages: 43 No. of Claims: 56

(22) Date of filing of Application :31/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MODULAR CUTTING TOOL HOLDER AND CLAMPING MECHANISM 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>	:B23B29/04 :61/514,343 :02/08/2011 :U.S.A. :PCT/IL2012/050251 :18/07/2012 :WO 2013/018087 :NA :NA :NA	(71)Name of Applicant:  1)ISCAR LTD.,  Address of Applicant: P.O. Box 11, 24959 Tefen, Israel (72)Name of Inventor:  1)HECHT,Gil
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#### (57) Abstract:

A modular cutting tool holder portion for a metal-working machine includes a first engagement face configured for clamping engagement with a corresponding second engagement face of a com¬ plementary modular cutting tool holder portion. The first engagement face includes a base surface and interlocking elements in the form of exactly four projecting protrusions or exactly four recesses. Each interlocking element includes a non-contact surface spaced from the base surface. The non-contact surface includes two opposing edges between which it extends, and two abutment surfaces each extending from a respective one of the two opposing edges to the base surface and being configured for the clamping engagement.

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

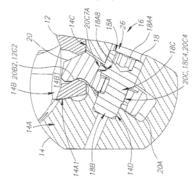
(22) Date of filing of Application :31/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CUTTING TOOL AND CLAMPING MECHANISM FOR HOLDING A CUTTING INSERT THERETO

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B23B27/16 : 61/514,322	(71)Name of Applicant: 1)ISCAR LTD.
(32) Priority Date	:02/08/2011	Address of Applicant :P.O. Box 11, 24959 Tefen, Israel
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/IL2012/050250	(72)Name of Inventor: 1)HECHT,Gil
Filing Date	:17/07/2012	2)CHEN,Danny
(87) International Publication No	:WO 2013/018086	•
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cutting tool (10) includes a cutting portion (14) and a clamping mechanism (16) configured to be brought between an undamped position in which a cutting insert (12) is removable from the cutting portion (14), and a clamped position in which the cutting insert (12) is clamped to the cutting portion (14). The clamping mechanism (16) includes a clamp (20) and a cam shaft (18). The clamp (20) is formed with a growth pattern region (20C6) having a varying diameter. The cam is formed with a growth pattern region (18C1) having a varying diameter. The growth pattern regions (20C6,18C4) are configured for engaging each other to transform rotary motion of the cam shaft (18) into linear motion of the clamp (20) to thereby move the clamping mechanism (16) into the clamped position.



No. of Pages: 41 No. of Claims: 26

(22) Date of filing of Application :09/01/2014 (43) Publication Date: 07/03/2014

## (54) Title of the invention: GENETIC MANIPULATION AND EXPRESSION SYSTEMS FOR PUCCINIOMYCOTINA AND USTILAGINOMYCOTINA SUBPHYLA

(51) International :C12N15/80,C12N15/64,C12N15/65 classification

(31) Priority Document No :61/495.619

(32) Priority Date :10/06/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/SG2012/000164

Application No :10/05/2012 Filing Date

(87) International Publication :WO 2012/169969

(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)TEMASEK LIFE SCIENCES LABORATORY LIMITED

Address of Applicant : National University of Singapore, 1

Research Link, Singapore 117604 Singapore

(21) Application No.45/KOLNP/2014 A

(72)Name of Inventor:

1)JI, Liang Hui 2)LIU, Yan Bin

3)KOH, Chong Mei John

4)SUN, Long Hua

## (57) Abstract:

(19) INDIA

The present invention relates to the application of isolated promoters and synthetic dominant selection constructs and enhancers for gene targeting for efficient production of genetically modified cells in a species selected from the Pucciniomycotina and Ustilaginomycotina subphyla, in particular, species selected from the Rhodosporidium, Sporisorium, Sporobolomyces or Ustilago genera.

No. of Pages: 51 No. of Claims: 23

(21) Application No.838/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING ZOOM FUNCTION IN AN ELECTRONIC DEVICE

(31) Priority Document No :10-20 00952	Address of Applicant :129, SAMSUNG-RO, YEONGTONG-B/2012 GU SUWON-SI, GYEONGGI-DO, REPUBLIC OF KOREA (72)Name of Inventor :
----------------------------------------	----------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

A method and an apparatus for magnifying or demagnifying a display in an electronic device are provided. A method for controlling display includes detecting at least one first touch, determining a first region according to the at least one first touch, determining whether an area of the first region changes, when the area of the first region is maintained, determining whether the first touch point resides in a display control region, and when the first touch point resides in the display control region, magnifying or demagnifying a display by considering a location change of the first touch point.

No. of Pages: 101 No. of Claims: 15

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: MEASURING SYSTEM FOR MONITORING AT LEAST ONE PHASE OF A SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:G01R 11/2 :10 2010 043 254.7 :03/11/2010 :Germany :PCT/EP2011/068880 :27/10/2011 :WO 2012/059398 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MÜNCHEN, GERMANY (72)Name of Inventor: 1)BEHRINGER, KLAUS 2)MEINKE, MARTIN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a measuring system for monitoring at least one phase (2) of a system, in particular a load feeder. In order to provide a compact and versatile measuring system for determining current and voltage values of at least one phase, a measuring module (16) comprises a signal acquisition module (3) and a signal further processing module (4) and the signal acquisition module (3) is formed by an ASIC, wherein the printed circuit board (1) comprises a voltage sensor (5) and the signal acquisition module (3) comprises current sensors (6) and a voltage sensor connection (7), which is connected to the voltage sensor (5) in an electrically conductive manner, for each phase (2) to be monitored, wherein the signal further processing module (4) is connected to the signal acquisition module (3) and can evaluate current and voltage values which have been determined, and wherein the signal further processing module (4) comprises output means (9) which can be used to output serial data and digital signals for control purposes.

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

(21) Application No.1736/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: TREATMENT OF PAIN ASSOCIATED WITH DISLOCATION OF BASAL ENDOMETRIUM

(51) International :A61K31/57,A61P29/00,A61P15/00 classification

(31) Priority Document No :10197400.4 (32) Priority Date :30/12/2010

(33) Name of priority country: EPO

(86) International Application :PCT/IB2011/055941

No :23/12/2011

Filing Date

(87) International Publication :WO 2012/090143

(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)PREGLEM SA

Address of Applicant: Chemin du Pré-Fleuri 3, CH-1228 Plan-

les Ouates/Geneva, SWITZERLAND

(72)Name of Inventor:

1)LOUMAYE, Ernest

2)BESTEL, Elke

3)OSTERLOH, Ian

The present invention relates generally to gynecological diseases and in particular to a method for reducing pain associated with dislocation of basal endometrium.

No. of Pages: 26 No. of Claims: 12

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

(19) INDIA

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 07/03/2014

(54) Title of the invention: LEVER BASED GRADE VENT VALVE

(51) International :B60K15/035,B60K15/03,F16K24/04 classification

(31) Priority Document No :13/163,926 :20/06/2011 (32) Priority Date

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

(86) International

:PCT/IB2012/001189 Application No

:18/06/2012 Filing Date

(87) International :WO 2012/176036 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) EATON CORPORATION

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

Address of Applicant :1000 Eaton Boulevard, Cleveland, OH

44122, U.S.A.

(72)Name of Inventor: 1)PIFER, Daniel, Lee 2) PATIL, Lalit, Murlidhar

## (57) Abstract:

A grade vent valve assembly (20) includes a float (42) moveable between a lowered position and a raised position. A lever 48 is coupled to the float 42 at a first end (58) of the lever (48). The lever (48) pivots about a fulcrum spaced from the first end (58) in response to movement of the float (42) between the raised position and the lowered position. The lever (48) pivots between an open position when the float (42) is in the lowered position, and a sealing position when the float (42) is in the raised position. The lever (48) seals an orifice (36) when in the sealing position to block fluid flow through the orifice (36).

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

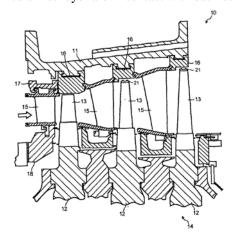
(22) Date of filing of Application :26/06/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: TURBINE, MANUFACTURING METHOD THEREOF, AND POWER GENERATING SYSTEM.

#### (57) Abstract:

A turbine according to an embodiment includes: a formation object member; a facing member; and a seal part. A formation object member is one of a static part and a rotation part. A facing member is the other of the static part and the rotation part. A seal part at the formation object member is configured to reduce combustion gas leaking between the formation object member and the facing member. The seal part including a ceramics layer. The ceramics layer has a heat conductivity lower than that of the formation object member, and has a concave and convex shape at a surface thereof. The ceramics layer is not in contact with the facing member, or has hardness higher than that of the facing member so that the facing member is preferentially abraded when the facing member and the ceramics layer are in contact with each other.



No. of Pages: 46 No. of Claims: 18

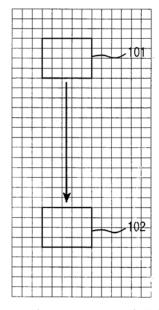
(22) Date of filing of Application :26/08/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: METHOD OF CONTROLLING TOUCH FUNCTION AND AN ELECTRONIC DEVICE THEREOF

#### (57) Abstract:

A method for operating an electronic device is provided. The method includes detecting at least one first touch on a displayed content region, determining an area of a first rectangle formed by the at least one first touch, determining an area of a second rectangle formed by at least one second touch moved from the at least one first touch, comparing the area of the first rectangle with the area of the second rectangle, determining a function of the touch on the content region, and displaying the content region corresponding to the determined function of the touch.



No. of Pages: 72 No. of Claims: 15

(22) Date of filing of Application :24/12/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: A METHOD FOR MANUFACTURING A WHEEL BEARING APPARATUS

(51) International classification :F16C43/04,B60B35/02,F16C19/18

:WO 2012/173133

(31) Priority Document No :2011-132086 (32) Priority Date :14/06/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/065087

No :13/06/2012

Filing Date
(87) International Publication
WO 2012/17

No

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

(71)Name of Applicant: 1)NTN CORPORATION

Address of Applicant :3-17, Kyomachibori 1-chome, Nishi-

ku,Osaka-shi, Osaka, JAPAN (72)**Name of Inventor:** 

1)Yuuki OGATA 2)Tomoaki SAWADA

3)Masami ISHIYAMA 4)Shinya OKADA

[Problem] To provide a method for producing wheel bearing devices with which bearing clearance can be easily and efficiently controlled and which can stably impart accurate clearances. [Solution] The invention is configured to select, from among rolling elements (3), rolling elements (3) that have the optimal diameter for correcting the difference between the standard value and the measured value for a distance difference  $\Delta H$  and the difference between the standard value and the measured value for the interference of the inner ring (5). The difference between the standard value and the measured value for the distance difference  $\Delta H$  is obtained by: measuring the distance (Ho) from the point of contact of one of the outer rolling contact surfaces (2a) of a double row of outer rolling contact surfaces (2a) of an outer member (2) with a rolling element (3) to the point of contact of the other outer rolling contact surface (2a) with the rolling element (3), the distance (Hi) from the contact point of the inner rolling contact surface (5a) of an inner ring (5) with the rolling element (3) to the small edge surface (5b) of the inner ring (5) and the distance (Hh) from the contact point of the inner rolling contact surface (4a) of the hub ring (4) with the rolling element (3) to the shoulder (4d) of the hub ring (4); and comparing the distance difference  $\Delta H = (Hi+Hh-Ho)$  to the standard value for the model. The difference between the standard value and the measured value for the interference of the inner ring (5) is obtained by: measuring the internal diameter (Di) of the inner ring (5); and comparing with the standard value for the model.

No. of Pages: 29 No. of Claims: 8

(21) Application No.693/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/06/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SWITCH TYPE DC ELECTRIC MACHINE HAVING AUXILIARY EXCITATION WINDING AND CONDUCTION RING AND BRUSH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(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>	25/00 :13/493,126	(71)Name of Applicant:  1)TAI-HER YANG  Address of Applicant:NO. 59, CHUNG HSING 8ST., SI-HU TOWN, DZAN-HWA, R.O.C Taiwan (72)Name of Inventor:  1)TAI-HER YANG
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides an auxiliary excitation winding set to be installed at the rotary part of the electric machine (104) composed of a rotary part of the permanent magnetic electric machine or a rotary part of the reluctance electric machine of the switched DC electric machine with conduction ring and brush (1000), and an electric conduction ring and brush device (107) is served as an interface for transmitting the electric power, thereby inputting the excitation electric power to the auxiliary excitation winding set; and through controlling the value and the polarity of excitation voltage and current, the magnetic pole of the rotary part of magnetmotive electric machine (104) of the switched DC electric machine with conduction ring and brush (1000) can be performed with the excitation effect of auxiliary excitation or differential excitation or auxiliary compound excitation or differential compound excitation.

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

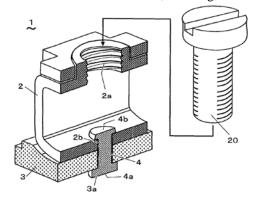
(22) Date of filing of Application :28/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: PILLAR TERMINAL AND ITS MANUFACTURING 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> </ul>	:Japan :NA :NA	(71)Name of Applicant:  1)PANASONIC CORPORATION Address of Applicant: 1006, OAZA KADOMA, KADOMA-SHI, OSAKA, 571-8501 JAPAN (72)Name of Inventor: 1)YOSHIMURA YOU 2)KUSAMA KIMIO
(86) International Application No	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates a pillar terminal (1) for fixing an electric wire, which is mounted on a switching device. The pillar terminal (1) comprises an iron-made hollow cylindrical terminal frame (2), a conductor (4) having a head for an electric contact (4a) of the switching device, and a screw (20). The frame (2) has a screw hole (2a) and a through hole (2b) facing each other. An end (4b) of the conductor (4) is inserted from outside into through holes (3 a) (2b), and clinched to fix the conductor (4) to the frame (2) so as to be an electric terminal. According to the pillar terminal (1), since the conductor (4) having the contact (4a) is fixed to the frame (2), the parts number thereof is decreased, handling becomes easy and a cost reduction is realized.



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

(22) Date of filing of Application :01/04/2013

(43) Publication Date: 07/03/2014

## (54) Title of the invention: HIGH STRENGTH GALVANIZED STEEL SHEET EXHIBITING EXCELLENT FATIGUE PROPERTY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification: C23C2/06,C21D9/46,C22C38/00 (71)Name of Applicant:

:WO 2012/043863

(31) Priority Document No :2010-220715 (32) Priority Date :30/09/2010 (33) Name of priority country :Japan

(86) International Application :PCT/JP2011/072902

:28/09/2011

Filing Date

(87) International Publication No

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JFE STEEL CORPORATION.

Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-

ku, Tokyo 100-0011 JAPAN

(72)Name of Inventor:

1)KARIYA Nobusuke 2)SAITO Hayato 3)YOKOTA Takeshi

4)FUSHIWAKI Yusuke

#### (57) Abstract:

Provided are: a high strength hot-dip galvanized steel sheet that has a tensile strength of at least 590 MPa and excellent fatigue characteristics with respect to hole punching; and a manufacturing method therefor. The structure of said steel sheet comprises a ferrite phase, with a mean grain diameter of 15 µm or less and an area ratio of at least 60%, and a martensite phase, with an area ratio of 5-40%. For each surface of the steel sheet, the total mass of one or more oxides selected from among iron, silicon, manganese, aluminum, phosphorus, niobium, and titanium oxides generated in a surface layer from the surface of the base steel directly beneath a galvanization layer to a depth of 100 µm into the steel sheet is less than 0.060 g/m<sup>2</sup>. When manufacturing said steel sheet, during a continuous hot-dip galvanization process, soaking is performed at a temperature of 700-900°C, with the dew point of the surrounding atmosphere brought to -40°C or less for the temperature range of 700°C and up.

No. of Pages: 47 No. of Claims: 5

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 07/03/2014

(54) Title of the invention: PACKAGE

(51) International classification	:B65D	(71)Name of Applicant:
(31) International classification	71/00	1)MEADWESTVACO PACKAGING SYSTEMS, LLC.
(31) Priority Document No	:2012-	Address of Applicant :501 SOUTH 5TH STREET,
(31) Thomy Document No	005242	RICHMOND, VIRGINIA 23219-0501, U.S.A.
(32) Priority Date	:28/08/2012	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)YOKO MATSUBA
(86) International Application No	:NA	2)NOBUYUKI ISHIGE
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	

(21) Application No.989/KOL/2013 A

#### (57) Abstract:

(19) INDIA

A package that can hold items securely inside and makes it easy to respond to changes in displays for style purposes comprises a carton 5 which has a sleeve-like body 3 having openings 2 on each end and holds multiple PET bottles P inside and a belt 6 that is wrapped around the carton 5. The carton 5 has openings that are formed as PET bottle receiving portions 13 in the sleeve-like body 3 for holding the peripheral surface of the PET bottles P. The belt 6 has a pair of covers 9 A and 9B which face one another and cover part of the sleeve-like body 3, and a pair of closures 9C and 9Dwhich face one another and are attached to their respective covers 9A and 9B for closing off at least a portion of the two openings 2. The maximum dimension L between the pair of closures 9C and 9D on each of the covers 9 A and 9B is shorter than the maximum dimension D1 along the axial direction A of the sleeve-like body 3.

No. of Pages: 20 No. of Claims: 3

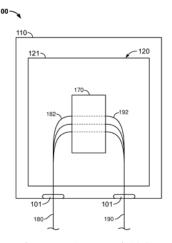
(22) Date of filing of Application :16/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FIBER TERMINATION ENCLOSURE WITH MODULAR PLATE ASSEMBLIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:G02B6/46 :61/500,769 :24/06/2011 :U.S.A. :PCT/US2012/043827 :22/06/2012 :WO 2012/178070 :NA :NA	(71)Name of Applicant:  1)ADC TELECOMMUNICATIONS,INC. Address of Applicant:1050 Westlakes Drive, Berwyn, Pennsylvania 19312, U.S.A. (72)Name of Inventor: 1)COAN, Jonathan, Walter 2)KRAMPOTICH, Dennis 3)KAML, Jonathan, R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Certain types of fiber termination enclosures include an enclosure and at least one of a plurality of plate module mounting assemblies. Example plate module mounting assemblies include a termination panel plate assembly; a splice tray plate assembly; a cable spool plate assembly; and a drop-in plate assembly. Example cable spool plate assemblies include a cable spool arrangement rotationally coupled to a mounting plate, which fixedly mounts within the enclosure housing. A stand-off mount element may be disposed on the front of the cable spool arrangement to rotate in unison with the cable spool arrangement. The stand-off mount element may include one or more termination adapters.



No. of Pages: 49 No. of Claims: 31

(22) Date of filing of Application :31/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING, FILLING AND CLOSING BAGS, AND A BAG

(51) International :B29C65/50,B65D88/16,B65D90/02 classification

(31) Priority Document No :10 2011 080 462.5

(32) Priority Date :04/08/2011 (33) Name of priority country: Germany

(86) International Application: PCT/EP2012/065031

No

:01/08/2012 Filing Date

(87) International Publication :WO 2013/017620 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)WINDMÖLLER & HÖLSCHER KG,

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Germany

(72)Name of Inventor:

1)KÖHN.Uwe

2)GROSSE-HEITMEYER, Rüdiger

3)VOSS, Hans-Ludwig 4)WOCKENFUSS,Gerd 5)HAWIGHORST,Thomas

## (57) Abstract:

The invention relates to a method for producing, filling, and closing bags (27), wherein a tube material (4) is formed from a flat web material comprising a first material component (43), wherein tube pieces (18) are formed by transversely severing tube material (4), said tube pieces having a longitudinal axis, wherein the tube pieces (18) are provided with a bottom seam by means of a first transverse joining process, and thus bags (27) are produced, wherein the bags are filled through the remaining opening of the bags, and wherein the remaining opening of the bags (27) are provided with a top seam (64) by means of a second transverse joining process. At least one second material component (45,48) is added to the flat web material before the bags are formed, and the combination of the at least two components (43; 45,48) of the flat web material is varied in the direction of the tube axis in such a way that the qualities of the tube material formed from the flat web material change in the direction of the tube axis, at least in portions of the tube width (B).

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

(21) Application No.980/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: AIR COMPRESSING 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</li> </ul>	:Japan :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)NABTESCO CORPORATION Address of Applicant: 7-9, HIRAKAWACHO 2-CHOME, CHIYODA-KU, TOKYO 102-0093, JAPAN (72)Name of Inventor: 1)MIYAUCHI TATSUO 2)KUROMITSU MASARU 3)IKEDA SATOSHI 4)NAKAHARA SATOSHI
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Provided is an air compressing device that can suppress degradation of oil,realize reliable operation even under humid environment, and further prevent efficiency when generating compressed air from being reduced. An oil recovery unit 17 is configured to have guided thereto compressed air that was compressed along with oil in a compressor 14, separate the oil from the compressed air, and recover the oil in an oil tank 17a. A dehumidifier 20 subjects the compressed air from which oil has been separated to dehumidification. A compressed air delivery unit 22 delivers the dehumidified compressed air to an air reservoir 23 for accumulating compressed air. A changeover valve 21 is provided on a path that communicates the dehumidifier 20 with the compressed air delivery unit 22. A communication path 35 communicates the changeover valve 21 and the suction side of the compressor 14. The changeover valve 21 is switched so that all of the dehumidified compressed air is supplied to either the compressed air delivery unit 22 or the communication path 35.

No. of Pages: 51 No. of Claims: 4

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

(19) INDIA

(22) Date of filing of Application :18/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: TISSUE RETRACTOR ASSEMBLY

(51) International :A61B17/29,A61B17/02,A61B17/34

classification (31) Priority Document No :61/502,178 (32) Priority Date :28/06/2011

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

(86) International :PCT/US2012/044683

Application No :28/06/2012 Filing Date

(87) International Publication :WO 2013/003613

(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)NOVATRACT SURGICAL, INC.

Address of Applicant: 5 SCIENCE PARK, 3RD FLOOR, 401 WINCHESTER AVE., NEW HAVEN, CT 06511, U.S.A.

(72)Name of Inventor:

1)RANSDEN, Jeffrey 2) ADAMS, Leland, Ray

3)WEAVER, Gregor 4)MATA, Vincent, III

5) LEHMAN, Adam

## (57) Abstract:

An intracorporeal surgical tissue retractor is provided having an anchor selectively deployable in a first tissue not to be retracted and a grasper selectively deployable on a second tissue to be retracted. A longitudinally selectively movable support is threadable through the anchor and attached at a substantially distal end of the movable support to the grasper. A deployment user interface is couplable to the movable support and has a proximal end manipulable by a user extracorporeally and a distal end releasably attachable to both the anchor and the grasper, adapted to intracorporeally deploy the anchor into the first tissue and the grasper onto the second tissue. The user interface includes a first actuator having an anchor positioning tool enabling selective deployment of the anchor in the first tissue, and a second actuator enabling selective opening and closing of the jaws of the grasper.

No. of Pages: 94 No. of Claims: 44

(22) Date of filing of Application :19/12/2013 (43) Publication Date : 07/03/2014

(54) Title of the invention: METHOD FOR HEATING A SHAPED COMPONENT FOR A SUBSEQUENT PRESS HARDENING OPERATION AND CONTINUOUS FURNACE FOR REGIONALLY HEATING A SHAPED COMPONENT PREHEATED TO A PREDETERMINED TEMPERATURE TO A HIGHER TEMPERATURE

(51) International classification :F27B9/36,F27B9/40,C21D1/34

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application No :PCT/AT2011/000286

Filing Date :30/06/2011

(87) International Publication No: WO 2013/000001

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

(62) Divisional to Application
Number
:NA

Filing Date

:F27B9/36,F27B9/40,C21D1/34 (71)Name of Applicant :

1)EBNER INDUSTRIEOFENBAU GMBH

Address of Applicant: Ebner-Platz 1 A-4060 Leonding,

AUSTRIA

(72)Name of Inventor:

1)Gerald ECKERTSBERGER

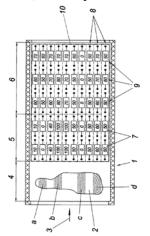
2)Eduard MORBITZER

3)Robert EBNER

4) Josef Fritz EBNER

# (57) Abstract:

There is described a method for heating a shaped component (2) for a subsequent press hardening operation, wherein the shaped component (2) is initially heated to a predetermined temperature and subsequently heated regionally to a higher temperature by means of heating elements (7) of a heating element array (10), said heating elements being controllable independently of one another. In order to ensure an advantageous temperature profile, it is proposed that, while it is conveyed through the heating element array (10), the shaped component (2) is heated with the aid of the heating elements (7) which are arranged in longitudinal and transverse rows (8 and 9) with respect to the conveying direction (3) and are controllable at least in groups with different heat outputs.



No. of Pages: 15 No. of Claims: 6

(21) Application No.3757/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: DEVICE FOR FILTERING LIQUIDS

(51) International :B01D33/21,B01D33/31,B01D33/37 classification

(31) Priority Document No :GM 363/2011 (32) Priority Date :29/06/2011

(33) Name of priority country: Austria (86) International

:PCT/AT2011/050048 Application No

:20/12/2011 Filing Date

(87) International Publication :WO 2013/000002 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)PANTREON GMBH

Address of Applicant : Kirchengasse 4, A-4810 Gmunden,

AUSTRIA

(72)Name of Inventor: 1)Andreas LUER

## (57) Abstract:

The invention relates to a device (1) for filtering liquids, comprising at least one rotor (3), which can be driven so as to rotate about a rotational axis (2) and which comprises a supporting device (4) that is fixed to said rotor for disk-shaped filter elements (5) arranged at a distance from the rotational axis (2), the disk surfaces (6) of said filter elements forming the filter surface. A plurality of the filter elements (5) are assembled together into a filter packet on a profiled tube (7) that forms a part of the supporting device (4). For this purpose, the filter elements (5) have an opening (8) through which the profiled tube protrudes. The aim of the invention is to provide improved filtration conditions. This is achieved in that the disk planes (10), preferably the central disk planes, of the filter elements (5) are arranged on the profiled tube (7) in an inclined manner about at least one axis that is perpendicular to the profiled tube axis (A) such that the disk planes (10) and the profiled tube axis (A) form an angle  $(\alpha, \beta)$  that is not equal to  $90^{\circ}$ .

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

(19) INDIA

(22) Date of filing of Application :30/12/2013

(21) Application No.3853/KOLNP/2013 A

(43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD FOR INDUSTRIALLY PREPARING NITROGEN SUBSTITUTED AMINO-5, 6, 7, 8-**TETRAHYDRONAPHTHOL**

(51) International :C07D333/20,C07D213/38,C07C217/12

:WO 2013/000273

classification

(31) Priority Document :201110179616.6

(32) Priority Date :27/06/2011 (33) Name of priority :China

country

(86) International :PCT/CN2012/000863

Application No

:21/06/2012 Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA

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

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

(71)Name of Applicant:

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Address of Applicant : No.9 Baoyuan Road, Laishan District

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1)MENG, Qingguo

2)YANG, Mina 3)WANG, Tao 4)WANG, Qilin

5)LI, Jun

6)RUAN, Zheng

#### (57) Abstract:

A method for industrially preparing a nitrogen substituted 6-amino-5,6,7,8-tetrahydronaphthol is disclosed. The method comprises reacting a nitrogen substituted amino-5,6,7, 8-tetrahydronaphthol compound of formula (II) with a 2-substituted ethyl sulfonate compound of formula (III) under an alkaline condition and in the presence of a sulfite.

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

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

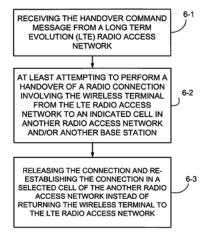
(43) Publication Date: 07/03/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR TRANSFERRING TELECOMMUNICATIONS CONNECTIONS

<ul> <li>(51) International classification</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>	:H04W36/00 :13/180,195 :11/07/2011 :U.S.A. :PCT/SE2011/051076	
(86) International Application No	:PCT/SE2011/051076	1)ANDRÉ-JÖNSSON, Henrik
Filing Date (87) International Publication No	:06/09/2011 :WO 2013/009230	2)MELIN, Lena 3)VOIGT, Lotta
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	4)JOHANSSON, Stefan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A wireless terminal (30) receives a handover command message (64) from a Long Term Evolution (LTE) radio access network (22). The handover command message (64) includes an indicated cell and an alternative transfer authorization. The wireless terminal (30), in response to the handover command message (64), at least attempts to perform a handover of a radio connection involving the wireless terminal from the LTE radio access network (22) to an indicated cell in another radio access network (24). If the handover does not succeed within a predetermined time and in response to the alternative transfer authorization, the wireless terminal (30) releases the connection and re-establishes the connection in a selected cell of the other radio access network instead of returning the wireless terminal to the LTE radio access network, thereby improving success of transfer of the wireless terminal.



No. of Pages: 49 No. of Claims: 31

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

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

		(71)Name of Applicant :
(51) International classification	:H02M5/293,H02M1/12	1)NISSAN MOTOR CO., LTD.
(31) Priority Document No	:2011-122853	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(32) Priority Date	:31/05/2011	Yokohama-shi, Kanagawa 221-0023, JAPAN
(33) Name of priority country	:Japan	2)Nagaoka University of Technology
(86) International Application No	:PCT/JP2012/061654	(72)Name of Inventor:
Filing Date	:07/05/2012	1)Hironori KOYANO
(87) International Publication No	:WO 2012/165099	2)Takamasa NAKAMURA
(61) Patent of Addition to Application	:NA	3)Masao SAITO
Number	:NA	4)Kouji YAMAMOTO
Filing Date	.NA	5)Tsutomu MATSUKAWA
(62) Divisional to Application Number	:NA	6)Manabu KOSHIJO
Filing Date	:NA	7)Junichi ITOH
		8)Yoshiya OHNUMA

## (57) Abstract:

A power conversion device (3) that directly converts polyphase AC power to AC power. A conversion circuit has a plurality of first switching elements (311, 313, 315) and a plurality of second switching elements (312, 314, 316) that are connected to the phases (R, S, T) of the aforementioned polyphase AC and can switch the flow of current between two directions. The power conversion device is also provided with a plurality of capacitors (821- 826) connected to the aforementioned conversion circuit. At least one of said capacitors is provided between each pair of phases of the polyphase AC current in correspondence with the first switching elements, and at least one of the capacitors is provided between each pair of phases of the polyphase AC current in correspondence with the second switching elements. This makes it possible to reduce the wiring distance between the capacitors and the switching elements.

No. of Pages: 36 No. of Claims: 5

(21) Application No.543/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ZIPPER HEAD AND PULL TAB REPLACEMENT METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A44B 19/00 :101119069 :29/05/2012 :Taiwan	(71)Name of Applicant:  1)C H U N G C H W A N ENTERPRISE CO., LTD.  Address of Applicant: NO.151, KUNG ERH ROAD, WU LIN TSUEN, LUNG TAN HSIANG, TAOYUAN HSIEN, R.O.C Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date (87) International Publication No	:NA : NA	1)YU-PAU LIN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The instant disclosure relates to a zipper head. The zipper head includes a main structure, a flexible member, a securing member, a pull tab, a guiding member, and a shaft. The main structure has a first fixing portion and receives the flexible member. The securing member has a second fixing portion corresponding to the first fixing portion. The securing member contacts with the flexible member. The guiding member is pivotally connected to one end of the main structure and contacts with the securing member. A receiving space is cooperatively defined by the main structure, the securing member, and the guiding member. A fixing end of the pull tab is disposed in the receiving space. The shaft penetrates the main structure and is pivotally connected to the securing member. The instant disclosure also discusses a method for replacing the pull tab of the zipper head.

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

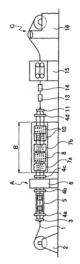
(22) Date of filing of Application :10/06/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR FORMING RUSTPROOF FILM ON PC STRAND AND PC STRAND

(51) International classification	:D07B 1/00	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)KUROSAWA CONSTRUCTION CO.,LTD
(31) I Hority Document No	171796	Address of Applicant :1-36-7,WAKABA-CHO,CHOFU-
(32) Priority Date	:02/08/2012	SHI,TOKYO,182-0003,JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)RYOHEI KUROSAWA
Filing Date	:NA	2)KEI HIRAI
(87) International Publication No	: NA	3)NAOKI MATSUBARA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In a method for forming a rustproof film on a PC strand, the thickness of the resin film is set to  $200 \pm 80 \,\mu\text{m}$ , the pre-heating is performed within a temperature range from 60 to  $150\,^{\circ}\text{C}$  to prevent an occurrence of a cob-webbing phenomenon as a result of melting of the synthetic resin powder coating material and the post-heating is performed within a range from 150 to  $250\,^{\circ}\text{C}$  in order to uniformize the thickness of the coats adhered to the outer peripheral surfaces of the core wire and the surrounding wires, and the temperature of the pre-heating is set to be lower than the temperature of the post-heating, and the synthetic resin powder coating material including particles having diameters in a range from 0.1 to  $250\,\mu\text{m}$  is used, and the line speed in the series of steps is set to 5 to  $10\,\text{m/min}$ .



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

(22) Date of filing of Application :07/05/2013 (43) Publication Date : 07/03/2014

## (54) Title of the invention: POLYAMIDE MOULDING COMPOSITION AND USE THEREOF

(51) International classification	:B82Y	(71)Name of Applicant:
(31) international classification	30/00	1)EMS-PATENT AG
(31) Priority Document No	:12 182	Address of Applicant :VIA INNOVATIVA 1 7013
(31) I Hority Document No	021.1	DOMAT/EMS SWITZERLAND
(32) Priority Date	:28/08/2012	(72)Name of Inventor:
(33) Name of priority country	:EPO	1)STÖPPELMANN, GEORG
(86) International Application No	:NA	2)PFLEGHAR, MARK
Filing Date	:NA	3)BERTRAM, SABINE
(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:

What is described is a thermoplastic moulding composition, in particular a polyamide moulding composition, consisting of: (A)20-88 % by weight of a thermoplastic material; (B)10-60 % by weight of fibrous fillers, formed from (B1) 10-60 % by weight of glass fibres, selected from the group consisting of:glass fibres (B1\_1) with a non-circular cross section, wherein the axis ratio of the main cross-sectional axis to the secondary cross-sectional axis is at least 2; high-strength glass fibres (B1\_2) with a glass composition, which are formed substantially from the components silicon dioxide, aluminium oxide and magnesium oxide; or mixtures thereof; (B2) 0-20 % by weight of glass fibres, which are different from the glass fibres of component (B1) and have a circular cross section; (B3) 0-20 % by weight of further fibrous fillers, which are different from the fibres of components (B1) and (B2), are not based on glass, and are selected from the group: carbon fibres, graphite fibres, aramid fibres, nanotubes; (C)2-10% by weight of LDS additive or a mixture of LDS additives; (D)0-30 % by weight of particulate filler; (E)0-2 % by weight of further, different additives; wherein the sum of (A)-(E) makes up 100 % by weight.

No. of Pages: 39 No. of Claims: 15

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: A SADDLE-STRADDLING TYPE MOTOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:Japan	(71)Name of Applicant: 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA, Address of Applicant:2500 SHINGAI, IWATA-SHI, SHIZUOKA-KEN, 438-8501, JAPAN (72)Name of Inventor: 1)FUMIAKI IWAMURA
` '		
(33) Name of priority country	:Japan	1)FUMIAKI IWAMURA
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A tilt angle sensor is positioned below the upper surface of a seat when a motorcycle is seen in side view. Further, the tilt angle sensor is arranged behind the front end of the seat in the rear end of the seat when the motorcycle is seen in side view. Further, the tilt angle sensor is arranged not to overlap with a vehicle central axis that extends in a front and rear direction of the motorcycle and passes through a central portion of the rear wheel in a width direction when the motorcycle is viewed from above.

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

(21) Application No.3823/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SPORTS STADIUM WITH REMOVABLE TURF FIELD

(51) International classification	:A63C19/02,E04H3/14	(71)Name of Applicant:
(31) Priority Document No	:2011 0952	1)NUTCRACKER SOLUTIONS AS
(32) Priority Date	:30/06/2011	Address of Applicant :Jarveien 14 A, 1358 Jar, NORWAY
(33) Name of priority country	:Norway	(72)Name of Inventor:
(86) International Application No	:PCT/NO2012/050129	1)SALTVEIT, Yngve
Filing Date	:02/07/2012	2)JOHANNSEN, Claus
(87) International Publication No	:WO 2013/002649	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Sports stadium (1) with a turf field (100) and a surrounding spectators stand (3). The turf field (100) comprises a plurality of turf modules (101) supported on a fixed support base (105). The turf modules are movable on the fixed support base, thereby being removable from the fixed support base. The fixed support base (105) exhibits an aperture (111) constituting access to a storage room (107) below the fixed support base (105). The storage room is adapted for storage of the turf modules. A lift (115) is arranged to move turf modules through the aperture (111). An associated method is also described.

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

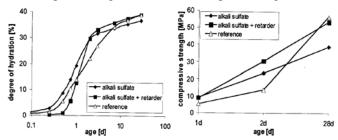
(22) Date of filing of Application :26/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: HYDRAULIC BINDER

(51) International classification	:C04B28/04,C04B40/00	(71)Name of Applicant :
(31) Priority Document No	:A 1005/2011	1)HOLCIM TECHNOLOGY LTD
(32) Priority Date	:08/07/2011	Address of Applicant :Zürcherstrasse 156, CH-8645
(33) Name of priority country	:Austria	Rapperswil-Jona, SWITZERLAND
(86) International Application No	:PCT/IB2012/001357	(72)Name of Inventor:
Filing Date	:09/07/2012	1)MATTHES, Winnie
(87) International Publication No	:WO 2013/008082	2)CASTELLTORT, Zarina
(61) Patent of Addition to Application	:NA	3)MATSCHEI, Thomas
Number	:NA	4)BAALBAKI, Moussa
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a hydraulic binder, containing 25 to 85 wt% of cement clinker, 0 to 7 wt% of CaSO4, and mineral additives. Said hydraulic binder contains 1 to 10 wt% of a dual setting control system, which comprises an activator and a retarder, wherein the weight ratio of activator to retarder, with respect to the dry substance, is selected to be greater than 85:15, in particular greater than 90:10, in particular greater than 98:2.



No. of Pages: 22 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :26/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: SUBSTITUTED HETEROAROMATIC PYRAZOLE-CONTAINING CARBOXAMIDE AND UREA DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International :C07D401/12,C07D401/14,A61K31/4439

classification

(31) Priority Document :11006114.0

(32) Priority Date :26/07/2011

(33) Name of priority country

(86) International

:PCT/EP2012/003135 Application No :25/07/2012

:EPO

Filing Date

(87) International

:WO 2013/013815 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)GRÜNENTHAL GMBH

(21) Application No.3825/KOLNP/2013 A

Address of Applicant : Zieglerstrasse 6, D-52078 Aachen,

**GERMANY** 

(72)Name of Inventor:

1)FRANK, Robert

2)BAHRENBERG, Gregor 3) CHRISTOPH, Thomas 4) LESCH, Bernhard 5)LEE, Jeewoo

(57) Abstract:

The invention relates to substituted heteroaromatic pyrazole-containing carboxamide and urea derivatives as vanilloid receptor ligands, to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 267 No. of Claims: 15

(19) INDIA

:08/07/2013 (43) Publication Date : 07/03/2014

(21) Application No.812/KOL/2013 A

(22) Date of filing of Application :08/07/2013

## (54) Title of the invention : SADDLE TYPE VEHICLE

(51) International classification	:B62K	(71)Name of Applicant:
(51) memational classification	11/00	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(21) Primity Dogument No.	:2012-	Address of Applicant :2500 SHINGAI, IWATA-SHI,
(31) Priority Document No	173330	SHIZUOKA-KEN, 438-8501, JAPAN
(32) Priority Date	:03/08/2012	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)EIKI ISHIHARA
(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	
(55) 11		·

#### (57) Abstract:

A saddle type vehicle includes a pair of seat frames extending rearward from a main frame, a cross member connecting the pair of seat frames to each other and at least a portion of the cross member disposed at a position higher than those of the pair of seat frames, an air cleaner disposed at the rear of a cylinder head and below the pair of seat frames, the cylinder head disposed at a position lower than those of the main frame and the pair of seat frames, a tank portion disposed over the pair of seat frames, and an electrical component unit disposed between a front end portion of the air cleaner and a rear end portion of the cross member and at least a portion of the electrical component unit disposed between the tank portion and the pair of seat frames.

No. of Pages: 38 No. of Claims: 14

(22) Date of filing of Application :02/09/2013

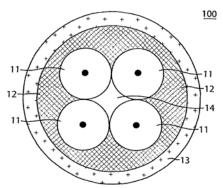
(43) Publication Date: 07/03/2014

# (54) Title of the invention : LIQUID AND GASEOUS RESISTANCE COMPACT FIBER UNIT AND METHOD OF MAKING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/696,437 :04/09/2012 :U.S.A. :NA :NA : NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The embodiments disclosed herein seek to eliminate substantially all of the voids or air gaps among neighboring fibers within a CFU by wetting a plurality of optical fibers that comprises the CFU with an acrylate prepolymer resin before the plurality of the optical fibers are grouped together tightly. In one embodiment, instead of extruding a first acrylate prepolymer resin to the optical fibers immediately after a first die, the disclosed process wets the optical fibers with a first acrylate prepolymer resin prior to the first die.



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

(21) Application No.1080/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/04/2013 (43) Publication Date: 07/03/2014

# (54) Title of the invention: PIPERIDINYL-SUBSTITUTED LACTAMS AS GPR119 MODULATORS

(51) International :A61K31/4468,A61K31/454,A61P3/04 classification

(31) Priority Document No:61/383,799 :17/09/2010 (32) Priority Date (33) Name of priority

:U.S.A. country

(86) International :PCT/US2011/051821 Application No

:15/09/2011 Filing Date

(87) International :WO 2012/037393

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)ARRAY BIOPHARMA INC.

Address of Applicant :3200 Walnut, Boulder, Colorado 80301

U.S.A.

(72)Name of Inventor:

1)AICHER, Thomas Daniel 2)BENCSIK, Josef R. 3)BOYD, Steven Armen

4) CONDROSKI, Kevin Ronald

5) FELL, Jay Bradford 6)FISCHER, John P. 7) HINKLIN, Ronald Jay 8)PRATT, Scott Alan 9)SINGH, Ajay

10) TURNER, Timothy M.

## (57) Abstract:

Compounds of Formula (I) and pharmaceutically acceptable salts thereof in which X1, X2, L, R3, R4, R5, R7 and n have the meanings given in the specification, are modulators of GPR119 and are useful in the treatment or prevention of diseases such as such as, but not limited to, type 2 diabetes, diabetic complications, symptoms of diabetes, metabolic syndrome, obesity, dyslipidemia, and related conditions.

No. of Pages: 104 No. of Claims: 46

(22) Date of filing of Application :23/10/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD FOR TREATING OFFGASES FROM A MELAMINE PLANT

(51) International classification	:C07C 273/12	(71)Name of Applicant:
(31) Priority Document No	:00000000	1)BOREALIS AGROLINZ MELAMINE GMBH
(32) Priority Date	:16/12/2009	Address of Applicant :StPeter-Strasse 25, A-4021 Linz,
(33) Name of priority country	:	AUSTRIA
(86) International Application No	:PCT/EP2012/055071	(72)Name of Inventor:
Filing Date	:22/03/2012	1)SCHADT, ARNE
(87) International Publication No	:WO 2012/126979	2)NEUMÜLLER, CHRISTOPH
(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 treating or using offgases (3) obtained in a melamine plant comprising at least one melamine synthesis reactor (1) and at least one washing unit (2) in an integrated process for urea and melamine production, wherein the offgases (3) leaving the melamine synthesis reactor (1) are fed into the washing section (2) and the washed offgases (3) leaving the washing section (2) are transferred from the washing section (2) via at least one pipeline (5) connecting the washing section (2) and the at least one urea synthesis plant (6). The method is characterized in that the washed offgases (3) leaving the washing section (2) are mixed with at least one carbamate solution (4) immediately downstream of the washing section (2) by feeding the carbamate solution (4) into the pipeline (5) connecting the washing section (2) to the urea plant (6). The invention relates further to an integrated urea-melamine plant for carrying out such a process.

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

(22) Date of filing of Application :08/01/2014 (43) Publication Date : 07/03/2014

# (54) Title of the invention: SPLASH GRIDS FOR RAIN OR SPRAY ZONES

(51) International classification	:F28F25/08	(71)Name of Applicant :
(31) Priority Document No	:2011/05233	1)STELLENBOSCH UNIVERSITY
(32) Priority Date	:15/07/2011	Address of Applicant :Admin B, Victoria Street Stellenbosch,
(33) Name of priority country	:South Africa	7600 Western Cape Province, South Africa
(86) International Application No	:PCT/IB2012/053510	(72)Name of Inventor:
Filing Date	:10/07/2012	1)REUTER, Hanno Carl Rudolf
(87) International Publication No	:WO 2013/011413	2)KRÖGER,Detlev G.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A splash grid is provided for installation in a rain zone of liquid gas contacting industrial equipment. The splash grid has a supporting frame assembly and multiple generally parallel elongate elements supported by the frame assembly. The elongate elements each has a transverse dimension, in plan view, not exceeding 3 mm, and a spacing in plan view not exceeding 10 mm. The elongate elements may be of moulded plastics material that is optionally integral with a surround that forms, or is attached to, the supporting frame assembly. Alternatively, the elongate elements may be separately manufactured flexible filament or cord supported by a surround that forms or is attached to the supporting frame assembly. The elongate elements may be staggered in the vertical direction and gaps may be provided for larger objects to pass through the splash grid. A liquid cooling installation having a rain zone fitted with a splash grid is also provided.



No. of Pages: 16 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

(54) Title of the invention: POWER CONVERTER

(51) International classification :H02M5/293,H02M1/34
(31) Priority Document No :2011-122843
(32) Priority Date :31/05/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/061657

(86) International Application No :PCT/JP2012/06165 Filing Date :07/05/2012

(87) International Publication No :WO 2012/165102

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
SNA
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1)NISSAN MOTOR CO. LTD.
Address of Applicant :2, Takara-cho, Kanagawa-ku,
Yokohama-shi, Kanagawa 221-0023, JAPAN
2)Nagaoka University of Technology
(72)Name of Inventor:
1)Hironori KOYANO
2)Takamasa NAKAMURA
3)Masao SAITO
4)Kouji YAMAMOTO
5)Tsutomu MATSUKAWA
6)Manabu KOSHIJO
7)Junichi ITOH
8)Yoshiya OHNUMA

(21) Application No.3848/KOLNP/2013 A

(71)Name of Applicant:

#### (57) Abstract:

A power converter (3) that directly converts polyphase AC power to AC power is provided. A converter circuit has a plurality of first switching elements (311, 313, 315) that are connected to each phase (R, S, T) of the polyphase AC power to enable switching for turning on electricity bidirectionally, and a plurality of second switching elements (312, 314, 316) that are connected to each phase to enable switching for turning on electricity bidirectionally. The converter circuit comprises input lines (R, S, T) connected to each input terminal, and output lines (P, N) connected to each output terminal. A part of wiring (347, 348) of a protection circuit (32) is located between output lines (P, N). The wiring distance between the protection circuit (32) and the switching element can be shortened.

No. of Pages: 35 No. of Claims: 5

(22) Date of filing of Application :30/12/2013 (43) Publication Date : 07/03/2014

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

		(71)Name of Applicant :
(51) International classification	:H02M5/293,H02M1/12	1)NISSAN MOTOR CO., LTD.
(31) Priority Document No	:2011-122842	Address of Applicant :2, Takara-cho, Kanagawa-ku,
(32) Priority Date	:31/05/2011	Yokohama-shi, Kanagawa 221-0023, JAPAN
(33) Name of priority country	:Japan	2)Nagaoka University of Technology
(86) International Application No	:PCT/JP2012/061658	(72)Name of Inventor:
Filing Date	:07/05/2012	1)Hironori KOYANO
(87) International Publication No	:WO 2012/165103	2)Takamasa NAKAMURA
(61) Patent of Addition to Application	:NA	3)Masao SAITO
Number	:NA	4)Kouji YAMAMOTO
Filing Date	.NA	5)Tsutomu MATSUKAWA
(62) Divisional to Application Number	:NA	6)Manabu KOSHIJO
Filing Date	:NA	7)Junichi ITOH
		8)Yoshiya OHNUMA

# (57) Abstract:

A power conversion device (3) that directly converts polyphase AC power to AC power. A conversion circuit has a plurality of first switching elements (311, 313, 315) and a plurality of second switching elements (312, 314, 316) that are connected to the phases (R, S, T) of the aforementioned polyphase AC and can switch the flow of current between two directions. Capacitors (821-826) are provided between the phases. The input terminals of the first switching elements are laid out in a single line, as are the input terminals of the second switching elements. Some (821, 822) of the aforementioned capacitors are provided at an angle to the lines formed by the aforementioned terminals. This makes it possible to reduce the wiring distance between the capacitors and the switching elements.

No. of Pages: 36 No. of Claims: 7

(22) Date of filing of Application :01/01/2014 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: A DEVICE FOR GENERATING A DISPLAY IMAGE ON A COMPOSITE GLASS PANE

(51) International classification :G03B21/28,G03B21/62,G02B27/01

(31) Priority Document No :11179154.7 (32) Priority Date :29/08/2011

(33) Name of priority country: EPO

(86) International :PCT/EP2012/064666

Application No Filing Date FC1/EF2012/00

(87) International Publication :WO 2013/029888

No (61) Patent of Addition to

Application Number
Filing Date
:NA
:NA

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

(71)Name of Applicant:

1)SAINT-GOBAIN GLASS FRANCE

Address of Applicant :18, avenue d'Alsace, 92400 Courbevoie,

**FRANCE** 

(72)Name of Inventor:

1)Matthias ALSCHINGER

2)Michael LABROT 3)Philippe LETOCART

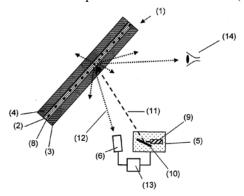
4)Bianca BERGS 5)Monique ELMER(former WINTER)

6)Jean-Yves LALUET 7)Guillaume LECAMP

8)Marcus NEANDER

#### (57) Abstract:

The invention relates to a device for generating a display image on a composite glass pane, comprising: a composite glass pane (1) with a first pane (3) and a second pane (4) which are connected to each other via an intermediate layer (2) that contains at least one luminescent pigment (8); a laser projector (5) which contains at least one laser (9) and an optical system (10) for deflecting the radiation (11) of the laser (9), said radiation (11) being directed at the composite glass pane (1) within a region (7) of the composite glass pane (1); a photodetector (6) which detects luminescent radiation (12) of the luminescent pigment (8); and a control unit (13) which electronically connects the photodetector (6) and the laser projector (5). An obstruction between the laser projector (5) and the composite glass pane (1) can be determined because no luminescent radiation (12) is detected by the photodetector (6) in this case. The hazard to persons due to the radiation (11) of the laser (9) can thus be advantageously reduced.



No. of Pages: 33 No. of Claims: 20

(22) Date of filing of Application :27/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: RACK GUIDE, AND RACK AND PINION STEERING DEVICE WITH RACK GUIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10/07/2012 :WO 2013/014870 :NA :NA :NA	(71)Name of Applicant:  1)OILES CORPORATION  Address of Applicant:6-34, Kounan 1-chome, Minato-ku, Tokyo 1080075 JAPAN (72)Name of Inventor:  1)YAMASHITA, Eiichi 2)NAKAGAWA, Noboru 3)KINJYO, Masaya
Filing Date	:NA	

#### (57) Abstract:

A rack and pinion steering device (1) is provided with a gear case (3), a steering shaft (6) which is supported in a rotatable manner in the hollow section (2) of the gear case (3), a pinion (7) which is provided integrally to an end of the steering shaft (6), a rack bar (10) which has rack teeth (8) meshing with the pinion (7), a rack guide (11) which guides and supports the rack bar (10) in a movable manner, and a coiled spring (12) which serves as the elastic means which elastically presses the rack teeth (8) toward the pinion (7) through the rack guide (11).

No. of Pages: 35 No. of Claims: 13

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: CONNECTION DEVICE FOR A DISTRIBUTION UNIT OF THE ELECTRICAL INSTALLATION

(51) International classification	:F16M 13/00	(71)Name of Applicant:
(31) Priority Document No	:102012108088.7	
(32) Priority Date	:31/08/2012	Address of Applicant :ZUM GUNTERSTAL, D-66440
(33) Name of priority country	:Germany	BLIESKASTEL, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MARKUS THEUER
(87) International Publication No	: NA	2)HONG WIE ZU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a connection device for a distribution unit of the electrical installation in buildings, in particular to connect neutral lines, said connection device having a connecting clamp (5) that comprises devices (8, 8) in order to fasten the connecting clamp (5) to a support element (2) of the distribution unit. The connection device in accordance with the invention is characterized in that the fastening devices are provided to clamp the connecting clamp (5) to the support element (2) in different positions.

No. of Pages: 12 No. of Claims: 11

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

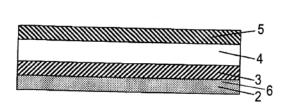
(43) Publication Date: 07/03/2014

# (54) Title of the invention : ELECTRICAL CONTACT COMPOSITES, METHOD FOR PRODUCING ELECTRICAL CONTACT COMPOSITES

(51) International classification	:H05B3/84	(71)Name of Applicant:
(31) Priority Document No	:11176894.1	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:09/08/2011	Address of Applicant :18 avenue d'Alsace, F-92400
(33) Name of priority country	:EPO	Courbevoie, FRANCE
(86) International Application No	:PCT/EP2012/064992	(72)Name of Inventor:
Filing Date	:01/08/2012	1)Mitja RATEICZAK
(87) International Publication No	:WO 2013/020863	2)Bernhard REUL
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		<u>'</u>

#### (57) Abstract:

The invention relates to an electrical contact composite, comprising a substrate and an electrically conductive coating applied to the substrate, which coating is connected to an electrode. A metal contact element is connected to the electrode, which contact element is used to connect the conductive coating to a current/voltage source. Furthermore, at least one sprayed layer produced by means of a thermal spraying method, in particular gas dynamic cold spray, and comprising at least one metal and/or metal alloy is provided, which sprayed layer is arranged between the conductive coating and the contact element, wherein the sprayed layer has a coefficient of thermal expansion that is between the coefficients of thermal expansion of the carrier and of the contact element. In one variant, the sprayed layer is used as the electrode for the conductive coating.



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

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

(43) Publication Date: 07/03/2014

# (54) Title of the invention : FORWARD OSMOSIS, REVERSE OSMOSIS, AND NANO/MICRO FILTRATION MEMBRANE STRUCTURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B01D39/16 :61/498,031 :17/06/2011 :U.S.A. :PCT/US2012/040825 :05/06/2012 :WO 2012/173811 :NA :NA :NA	(71)Name of Applicant:  1)BATTELLE MEMORIAL INSTITUTE Address of Applicant:505 King Avenue, Columbus, Ohio 43201-2693, U.S.A. (72)Name of Inventor: 1)MCGINNISS, Vincent, D. 2)SAYRE,Jay,Randall 3)KOPER, Olga, B. 4)WHITE, Gregory, R. 5)MASTERSON, David, C. 6)SPAHR, Kevine, B. 7)ELLIS, Jeffrey 8)CLAY, John, Dee 9)STICKEL, John, R. 10)LUTTINGER, Manfred 11)LANE, Ann 12)MUELLER, Jerry, K., Jr.
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#### (57) Abstract:

Disclosed is a composition for forming or treating reverse osmosis (RO), forward osmosis (FO), microfiltration (MF), or nanofiltration (NF) membranes, which includes a stable liquid blend of two of the following polymers: an oxygen polymer, a nitrogen polymer, and a sulfur polymer, where each polymer in a blend have matched solubility parameters; provided, that a nitrogen polymer can be in the form of a powder; where the weight ratio of polymers in each blend can range from 1:99 to 99:1; where each polymer optionally can be halogenated; where any polymer can be dispersed in a solvent for forming the blend.

No. of Pages: 54 No. of Claims: 22

(22) Date of filing of Application :20/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : FITTING FOR AN ADJUSTING DEVICE OF A MOTOR VEHICLE SEAT AND A METHOD FOR THE PRODUCTION THEREOF

(51) International classification :B60N2/225,B60N2/44,B60N2/68 (71)Name of Applicant : 1)C. ROB. HAMMERSTEIN GMBH & CO. KG (31) Priority Document No :10 2011 051 988.2 (32) Priority Date :20/07/2011 Address of Applicant : Merscheider Straße 167, 42699 (33) Name of priority country Solingen, GERMANY :Germany (86) International Application (72)Name of Inventor: :PCT/EP2012/063153 1)VATMAKHTER, Eduard :05/07/2012 Filing Date (87) International Publication :WO 2013/010810 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Fitting for an adjusting device of a motor vehicle seat and a method for the production thereof. The invention relates to a fitting (1), more particularly for an adjusting device of a motor vehicle seat, with a fitting top part and a fitting bottom part (3) adjustable relative to the fitting top part (2), a transmission gear unit, which is in operative connection with the fitting top part and fitting bottom part, for adjusting the fitting top part relative to the fitting bottom part, and a drive shaft (21) extending at one end through the fitting in a longitudinal axial direction of a fitting axis and in engagement with the gear unit. The invention also relates to a method for producing a fitting of the type mentioned above. To provide a fitting and a method for producing a fitting that ensures, even under elevated loads, a reliable arrangement of the fitting parts relative to one another, the invention provides wobble riveting the drive shaft (21) at one end to a bushing (6) to secure the axial position of the fitting top part (2) relative to the fitting bottom part (3), said bushing being arranged in an opening (11), arranged coaxially to the fitting axis of the fitting top part or fitting bottom part, the drive shaft resting, on the side opposite the bushing, with a stop (12) against the fitting.

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

(22) Date of filing of Application :20/12/2013

(43) Publication Date: 07/03/2014

# (54) Title of the invention: DOMESTIC APPLIANCE AND METHOD FOR SUPPLYING ELECTRICAL ENERGY TO AN ELECTRICAL LOAD

(51) International classification :H03K17/725,H03K17/73 (71)Name of Applicant : (31) Priority Document No :10 2011 078 463.2 (32) Priority Date :30/06/2011 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2012/061854 Filing Date :20/06/2012

(87) International Publication No :WO 2013/000794

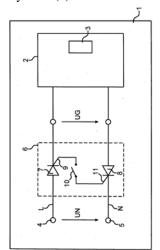
(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH Address of Applicant: Carl-Wery-Str. 34, 81739, München, **GERMANY** 

(72)Name of Inventor: 1)BRUSS, Dietmar 2) FELDMEIER, Rudolf

#### (57) Abstract:

The invention relates to a domestic appliance (1) having a first and a second electrical connection (4,5), it being possible to apply an electrical supply system voltage (UN) between said electrical connections, having an electrical load (3), and having a supply system switch device (6) by means of which the electrical load (3) can be coupled to the connections (4,5), wherein the supply system switch device (6) comprises: a first thyristor (7) which is connected between the first connection (4) and the electrical load (3) and of which the anode is coupled to the first connection (4) and of which the cathode is coupled to the electrical load (3); a second thyristor (8) which is connected between the second connection (5) and the electrical load (3) and of which the anode is coupled to the electrical load (3) and of which the cathode is coupled to the second connection (5); and a triggering device (10) for triggering the thyristors (7,8). The triggering device (10) has an electrical switch (10) which is common to both thyristors (7,8) and by means of which an electrical triggering current can be applied to a gate connection (9) of the first thyristor (7) and to a gate connection (11) of the second thyristor (8).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.37/KOLNP/2014 A

(43) Publication Date: 07/03/2014

#### (54) Title of the invention: ECOLOGICAL AMMUNITION

(51) International

:C22C32/00,C22C29/00,C22C13/00

classification

(31) Priority Document No :P201130955 (32) Priority Date :08/06/2011

(33) Name of priority country: Spain

(86) International Application :PCT/ES2012/070428 No

:08/06/2012

Filing Date

(87) International Publication :WO 2012/168530

(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)REAL FEDERACION ESPAÑOLA DE CAZA

Address of Applicant : C/ Francos Rodrguez 70 2°, E-28039

Madrid, Spain

(72)Name of Inventor:

1)PÉREZ TRUJILLO, Francisco, Javier 2)HIERRO DE BENGOA Mara Pilar 3)LASANTA CARRASCO, Mara Isabel

4)TEJERO GARCÍA, Marta

5)REY BONET, Aitor

6)FERNÁNDEZ DÍAZ- CARRALERO Angel, Gabriel

(57) Abstract:

The invention relates to a compound material for the manufacture of ecological ammunition, characterized in that it includes a) a metal matrix consisting of an alloy of zinc and bismuth, of zinc and aluminum, of tin and bismuth or of zinc and tin and a metal selected from aluminum, bismuth and the combination thereof and b) reinforcing metal particles distributed therein, chosen from wolframium, ferro-wolframium carbides, wolframium carbides, wolframium oxides and ferro-wolframium oxides, subjected to oxidation before being added to the metal matrix.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.827/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : SHOWER DEVICE.

(51) International classification	:B05B 1/00	(71)Name of Applicant :
(31) Priority Document No	:102012212300.8	
(32) Priority Date	:13/07/2012	Address of Applicant :AUESTRASSE 5-9 77761
(33) Name of priority country	:Germany	SCHILTACH, GERMANY
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)FRANZ SCHORN
(87) International Publication No	: NA	2)KLAUS BUTZKE
(61) Patent of Addition to Application Number	:NA	3)MARKUS WÖHRLE
Filing Date	:NA	4)FABIAN MELLE
(62) Divisional to Application Number	:NA	5)JUERGEN BUEHLER
Filing Date	:NA	6)SVEN KLEINWAECHTER

#### (57) Abstract:

A shower device according to the invention includes a shower head housing (2) having a jet disk (7) and a multiplicity of jet outlet openings (8, 8a). The jet outlet openings are divided into multiple groups of jet outlet openings. For each group of jet outlet openings, a distinct chamber (12, 21) is formed in the shower head housing. A water inlet (3) can for example be connected by means of a change-over valve (15) to in each case one of the chambers fluidic in parallel. The two chambers are arranged consecutively in the shower head housing. The water exiting the rear chamber as viewed relative to the jet disk can for example pass through the front chamber in a sealed channel or as a jet, which passes through a larger opening of the jet disk.

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

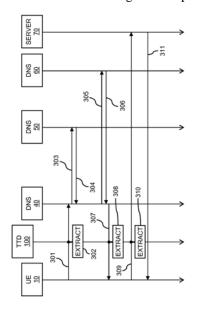
(22) Date of filing of Application :15/05/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: ADAPTATION OF QUALITY OF SERVICE IN HNDLING NETWORK TRAFFIC

(51) International classification	:H04W28/16,H04L29/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S-164 83 Stockholm, SWEDEN
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/065985	1)LUDWIG, Reiner
Filing Date	:22/10/2010	2)BOBERG, Christer
(87) International Publication No	:WO 2012/052064	3)DAMOLA, Ayodele
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	4)WILLARS, Per
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

For allowing differentiated handling of network traffic, a message (301, 307, 309) is received by a traffic type detector (100). The traffic type detector (100) extracts a network label e.g. a domain name, a hostname, or a network address, from the message (301, 307, 309) and compares this extracted network label to one or more stored network labels. On the basis of the comparison, adaptation of a quality of service level for a forwarding treatment of data packets associated with the message is initiated e.g. by controlling a bearer used for communicating the data packets.



No. of Pages: 40 No. of Claims: 17

(22) Date of filing of Application :21/08/2013

(43) Publication Date: 07/03/2014

## (54) Title of the invention: AUDIO CODEC SUPPORTING TIME-DOMAIN AND FREQUENCY-DOMAIN CODING MODES

(51) International

:G10L19/14,G10L19/00,G10L19/04 classification

(31) Priority Document No :61/442,632 (32) Priority Date :14/02/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2012/052461

:14/02/2012 Filing Date

(87) International Publication: WO 2012/110480

(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)FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

Address of Applicant: Hansastraße 27c, 80686 München,

**GERMANY** 

(72)Name of Inventor:

1) GEIGER, Ralf

2)SCHMIDT, Konstantin 3)GRILL, Bernhard 4)LUTZKY, Manfred 5)WERNER, Michael 6)GAYER, Marc

7) HILPERT, Johannes 8)LUIS VALERO, Maria 9) JAEGERS, Wolfgang

An audio codec supporting both, time-domain and frequency-domain coding modes, having low-delay and an increased coding efficiency in terms of iterate/distortion ratio, is obtained by configuring the audio encoder such that same operates in different operating modes such that if the active operative mode is a first operating mode, a mode dependent set of available frame coding modes is disjoined to a first subset of time-domain coding modes, and overlaps with a second subset of frequency-domain coding modes, whereas if the active operating mode is a second operating mode, the mode dependent set of available frame coding modes overlaps with both subsets, i.e. the subset of time-domain coding modes as well as the subset of frequency-domain coding modes.

No. of Pages: 38 No. of Claims: 18

(22) Date of filing of Application :24/12/2013 (43) Publication Date : 07/03/2014

#### (54) Title of the invention: TOOL WITH CHROMIUM-CONTAINING FUNCTIONAL LAYER

(51) International :C23C14/06,C23C14/08,C23C14/32

classification :C23C14/00,C23C14
(31) Priority Document No :102011053372.9

(32) Priority Date :07/09/2011
(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/067328

No :05/09/2012

Filing Date :05/09/2012

(87) International Publication :WO 2013/034598

(61) Patent of Addition to Application Number :NA

Application Number
Filing Date

(22) Printing Land Application

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)WALTER AG

Address of Applicant :Derendinger Strasse 53, 72072

Tübingen, GERMANY (72)Name of Inventor: 1)Veit SCHIER

2)Wolfgang ENGELHART

#### (57) Abstract:

The invention relates to a cutting tool with a substrate of cemented carbide, cermet, steel or high speed steel (HSS) and a multilayer coating which is deposited thereon by the PVD process and which comprises a base layer of one or more identical or different layers arranged one on top of the other of a nitride or carbonitride which contains at least aluminium (Al) and optionally one or more further metals selected from Al, Cr, Si, Y, Ru and Mo, and a chromium containing, oxidic functional layer. In order to improve the attachment of the chromium containing functional layer, according to the invention an intermediate layer of one or more oxides or oxide nitrates of the metals Al, Cr, Si, and/or Zr is provided between the base layer and the functional layer, wherein the intermediate layer has a cubic structure and wherein the chromium containing functional layer is selected from chromium oxide (Cr2O3) chromium oxynitride aluminium chromium oxide (AlCr)2O3, aluminium chromium oxynitride or a mixed oxide or mixed oxynitride of aluminium chromium and further metals of (AlCrMe1,Men)2 oxide or (AlCrMe1,Men)2 oxynitride where MeMe means one or more further metals selected from Hf, Y, Zr and Ru, and wherein the functional layer has a rhombohedral structure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3811/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 07/03/2014

## (54) Title of the invention: SUBSTITUTED BICYCLIC AROMATIC CARBOXAMIDE AND UREA DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International :C07D401/12,C07D471/04,A61K31/444

:EPO

classification

(31) Priority Document :11006113.2

(32) Priority Date :26/07/2011

(33) Name of priority

country

(86) International :PCT/EP2012/003136

Application No

:25/07/2012 Filing Date

(87) International

:WO 2013/013816 Publication No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

(71)Name of Applicant:

1)GRÜNENTHAL GMBH

Address of Applicant : Zieglerstraße 6, 52078 Aachen,

**GERMANY** 

(72)Name of Inventor:

1)FRANK, Robert

2) CHRISTOPH, Thomas

3)LESCH, Bernhard

4)LEE, Jeewoo

## (57) Abstract:

The invention relates to substituted bicyclic aromatic carboxamide and urea derivatives as vanilloid receptor ligands, to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 109 No. of Claims: 15

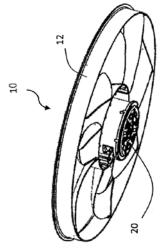
(22) Date of filing of Application :03/09/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: FUSE COMPONENT AND ELECTRIC MOTOR INCORPORATING THE SAME

(51) International classification	:H01H 85/00	(71)Name of Applicant:
(31) Priority Document No	:201210321159.4	1)JOHNSON ELECTRIC S.A.
(32) Priority Date	:03/09/2012	Address of Applicant :BAHNHOFSTRASSE 18, CH-3280
(33) Name of priority country	:China	MURTEN SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RUIFENG QIN
(87) International Publication No	: NA	2)XINHUI GUAN
(61) Patent of Addition to Application Number	:NA	3)TAO QU
Filing Date	:NA	4)ZHONG WAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A fuse component (36) configured to provide overcurrent protection for an electric motor (20) comprises a spiral (41) of a plurality of coaxial wire loops (44) and an outer insulating sleeve (39) surrounding at least a portion of the spiral (41). The overcurrent threshold of the fuse component (36) may be adjusted by changing the number of loops in the spiral (41) or the cross-section area of the wire in the spiral (41). The fuse component (41) may also function as an inductor (35) and/or connected to a speed adjustable resistor.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3275/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/11/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR PURIFYING NITRATION PRODUCTS

(51) International :C07C201/16,C07C205/06,B01J14/00

classification :CU/C201/10,CU/C203/00,B01314/C

(31) Priority Document No :10 2011 102 059.8 (32) Priority Date :19/05/2011 (33) Name of priority

country :Germany

(86) International :PCT/EP2012/002139

Application No
Filing Date

FOR 1201

18/05/2012

(87) International :WO 2012/156095

Publication No
(61) Patent of Addition to
Application Number
Filing Date

.WO
:NA
:NA

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

(71)Name of Applicant:

1)JOSEF MEISSNER GMBH & CO. KG

Address of Applicant: Bayenthalgürtel 16-20, D-50968 Köln,

GERMANY

(72)Name of Inventor:
1)Jürgen PÖHLMANN
2)Heinrich HERMANN
3)Mirko HÄNDEL

4) Jürgen GEBAUER

#### (57) Abstract:

The present invention relates to a method for removing impurities from nitrated crude products obtained during the nitration of nitratable aromatic compounds, after removal of the final nitrating acid, by treatment with a washing medium, and also to a plant or apparatus suitable for implementing this method. Further provided by the invention is a production plant for the nitration of nitratable aromatic compounds, with subsequent purification of the nitrated products.

No. of Pages: 54 No. of Claims: 16

(22) Date of filing of Application :20/12/2013 (43) Publication Date : 07/03/2014

# (54) Title of the invention : GREENISH BLUE PIGMENT, COLORANT COMPOSITION CONTAINING SAID PIGMENT, AND IMAGE RECORDING MATERIAL

(51) International classification :C09B47/24,B41J2/01,B41M5/00 (71)Name of Applicant: (31) Priority Document No 1)DAINICHISEIKA COLOR & CHEMICALS MFG. CO., :2011-161251 (32) Priority Date :22/07/2011 (33) Name of priority country Address of Applicant: 7-6, Nihonbashi Bakuro-cho 1-chome, :Japan Chuo-ku, Tokyo 103-8383, JAPAN (86) International Application :PCT/JP2012/068264 (72)Name of Inventor: :19/07/2012 Filing Date 1)TSUCHIYA Koji (87) International Publication 2)AOBA Masahiko :WO 2013/015180 3)MATSUMOTO Kenjiro (61) Patent of Addition to 4)TAMAKI Takeshi :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The purpose of the present invention is to develop a blue pigment applicable to various image recording methods, said blue pigment being capable of resolving the faults of a conventional phthalocyanine blue pigment in the formation of images and fulfilling a greenish blue color which has high saturation and excellent clearness, brightness, dispersibility, hue, tinting strength and so on. The purpose can be achieved by a greenish blue pigment which contains a pigment that is represented by general formula (I) and that exhibits a greenish blue hue with high saturation. In general formula (I), the number (m) of substituent phthalimidomethyl groups satisfies the relationship  $1.0 \le m \le 5.0$  and the number (n) of substituent sulfone groups (R1) satisfies the relationship  $0.05 \le n \le 1.0$ .

No. of Pages: 71 No. of Claims: 8

(22) Date of filing of Application :20/12/2013

(43) Publication Date: 07/03/2014

## (54) Title of the invention: PLANTS HAVING ENHANCED ABIOTIC STRESS RESISTANCE

(51) International classification :C12N15/53,A01H5/00,C07K14/415 (31) Priority Document No (32) Priority Date :20/05/2011 (33) Name of priority country (86) International Application No :PCT/CA2012/000480

Filing Date :18/05/2012

(87) International Publication: WO 2012/159196

(61) Patent of Addition to :NA

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

INA
:NA
:NA
:NA

(71)Name of Applicant:

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(72)Name of Inventor:

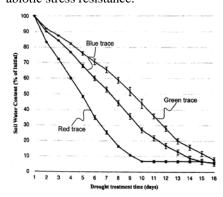
1)NORTHEY, Julian, Geoffrey

2)SAMUEL, Marcus

3)MCCOURT, Peter, John

#### (57) Abstract:

Means are provided of increasing the growth potential and abiotic stress resistance in plants, characterized by expression of polynucleotides stably integrated into a plant genome or stably incorporated in the plant. Further provided are isolated nucleic acids and their stable inclusion in transgenic plants. The transgenic plants have shown desirable phenotypic characteristics when compared to control plants, for example, improved drought- resistance. Also taught are plants having increased growth potential due to improved abiotic stress resistance.



No. of Pages: 71 No. of Claims: 44

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 07/03/2014

## (54) Title of the invention: NEGATIVE ELECTRODE ACTIVE MATERIAL FOR ELECTRIC DEVICE, NEGATIVE ELECTRODE FOR ELECTRIC DEVICE AND ELECTRIC DEVICE

(51) International :H01M4/38,C22C45/00,C22C45/10

classification (31) Priority Document No :2011-116710 (32) Priority Date :25/05/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/063056

No :22/05/2012

(87) International Publication

Filing Date

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

(62) Divisional to Application :NA :NA

:WO 2012/161190

Number Filing Date (71)Name of Applicant:

1)NISSAN MOTOR CO. LTD.

Address of Applicant: 2, Takara-cho, Kanagawa-ku,

Yokohama-shi, Kanagawa 221-0023, JAPAN

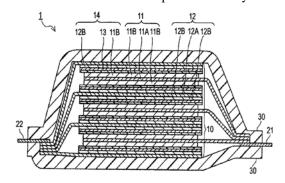
(72)Name of Inventor:

1)Manabu WATANABE

2) Masao YOSHIDA

#### (57) Abstract:

This negative electrode active material for an electrical device comprises an alloy containing at least 17 mass% but less than 90 mass% of Si, more than 10 mass% but less than 83 mass% of Ti, and more than 0 mass% but less than 73 mass% of Ge, with the remainder consisting of unavoidable impurities. The negative electrode active material can be obtained by using a multidimensional DC magnetron sputtering apparatus with Si, Ti and Ge as targets, for example. The electrical device that uses this negative electrode active material exhibits an improvement in cycle life, and outstanding capacity and cycle durability.



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

(22) Date of filing of Application: 19/12/2013 (43) Publication Date: 07/03/2014

#### (54) Title of the invention: NEGATIVE ELECTRODE ACTIVE MATERIAL FOR ELECTRIC DEVICE

(51) International classification :H01M4/38,C22C30/0
(31) Priority Document No :2011-116707
(32) Priority Date :25/05/2011
(33) Name of priority country :Japan
(86) International Application No Filing Date :16/03/2012

(87) International Publication No :WO 2012/160866

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

:H01M4/38,C22C30/04 (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:

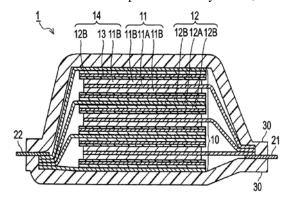
1)Manabu WATANABE

2)Masao YOSHIDA

3)Osamu TANAKA

#### (57) Abstract:

This negative electrode active material for electrical devices comprises an alloy containing at least 12 mass% but less than 100 mass% of Si, more than 0 mass% but not more than 45 mass% of Sn, and more than 0 mass% but not more than 43 mass% of Al, with the remainder consisting of unavoidable impurities. The negative electrode active material can be obtained by using a multidimensional DC magnetron sputtering apparatus with Si, Sn and Al as targets, for example. Electrical devices that use this negative electrode active material exhibit an improvement in cycle life, and outstanding capacity and cycle durability.



No. of Pages: 36 No. of Claims: 6

# **AMENDMENT UNDER SEC.57, KOLKATA.**

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the name of the Patentees in respect of Patent Nos. 196618 (851/KOLNP/2003) & 212979 (345/KOLNP/2005) have been amended to :

1. VAE EISENBAHNSYSTEME GMBH

TO

# **VOESTALPINE WEICHENSYSTEME GMBH**

2. VAE GMBH TO VOESTALPINE VAE GMBH

# **AMENDMENT UNDER SEC.57 (KOLKATA)**

An application for changes in the names and addresses of the Patentees as follows in respect of Patent No.235899 (434/KOL/2004) was filed. Any person interested may at any time within three months from the date of publication give notice on Form-14 to the Controller of Patents, if any, at the appropriate office.

ALSTOM POWER BOILER GMBH, AUGSBURGER STR,712 D-70329 STUTTGART, GERMANY to ALSTOM POWER SYSTEMS GMBH of Boveristrasse 22, 68309 Mannheim, Germany.

ALSTOM POWER BOILER SERVICE GMBH, NEUMARK, GERMANY to ALSTOM POWER BOILER SERVICE GMBH, STUTTGART, GERMANY.

ALSTOM POWER BOILER SERVICE GMBH STUTTGART, GERMANY to ALSTOM POWER BOILER SERVICE GMBH, MANNHEIM, GERMANY.

ALSTOM POWER BOILER SERVICE GMBH, MANNHEIM, GERMANY to ALSTOM ZWEITE VERWALTUNGS-GMBH, a German Corporation, Boveristrasse 22,68309, Mannheim, Germany

# **AMENDMENT UNDER SEC.57 (KOLKATA)**

An application for change in the name of the Patentee from ALSTOM POWER BOILER GMBH TO ALSTOM POWER SYSTEMS GMBH in respect of Patent No.246304 (978/KOLNP/2003) was filed. Any person interested may at any time within three months from the date of publication give notice on Form-14 to the Controller of Patents, if any, at the appropriate office.

# Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Seri al Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Approp riate Office
1	259142	2358/DEL/2007	13/11/2007	14/11/2006	A METHOD OF ASSESSING THE INTEGRITY OF A POROUS MATERIAL AND AN APPARATUS THEREOF	EMD MILLIPORE CORPORATION	06/06/2008	DELHI
2	259143	4068/DELNP/200 7	15/11/2005	15/11/2004	SOLID PARTICLES FROM CONTROLLED DESTABILISATION OF MICROEMULSIONS	AUSTRALIAN NUCLEAR SCIENCE & TECHNOLOGY ORGANISATION	31/08/2007	DELHI
3	259144	6381/DELNP/200 7	13/02/2006	11/02/2005	PROCESS AND APPARATUS FOR THE PRODUCTION OF SULPHUR OXIDES	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAP PELIJK ONDERZOEK TNO,TECHNO INVENT INGENIEURSBUREAU VOOR MILIEUTECHNIEK B.V.	31/08/2007	DELHI
4	259145	3415/DEL/2005	20/12/2005	21/12/2004	ORAL CARE TOOTHPOWDER COMPOSITION WITH FLUORIDE ION SOURCE	COLGATE-PALMOLIVE COMPANY	26/02/2010	DELHI
5	259147	1886/DEL/2004	30/09/2004		A PROCESS FOR PREPARATION OF ION IMPRINTED POLYMER PARTICLES FOR PRECONCENTRATIVE SEPARATION OF PALLADIUM (II) IONS VIA SOLID PHASE EXTRACTION	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	25/08/2006	DELHI
6	259154	6038/DELNP/200 6	19/04/2005	23/04/2004	METHOD AND DEVICE FOR TRANSMITTING A SIGNAL IN A MULTI-ANTENNA SYSTEM, SIGNAL, AND METHOD OF ESTIMATING THE CORRESPONDING TRANSMISSION CHANNELS	FRANCE TELECOM	27/04/2007	DELHI
7	259155	2840/DELNP/200 7	24/10/2005	29/10/2004	AN IMPROVED QUICK CONNECT COUPLING AND A METHOD THEREOF	THE GATES CORPORATION	03/08/2007	DELHI
8	259158	4010/DELNP/200 6	18/02/2005	27/02/2004	METHOD FOR MANUFACTURING A PERITONEAL DIALYSIS SOLUTION	BAXTER INTERNATIONAL INC.	24/08/2007	DELHI

9	259159	5113/DELNP/200	17/10/2006	17/10/2005	FILTER DEVICE	BUNRI	17/08/2007	DELHI
Ĺ	237139	7	17/10/2000	17/10/2003		INCORPORATION	1770072007	
10	259163	7021/DELNP/200 6	20/05/2005	26/05/2004	A WIRELESS AD-HOC OR PRIVATE COMMUNICATION NETWORK AND METHOD	MOTOROLA SOLUTIONS, INC.	31/08/2007	DELHI
11	259173	3633/DELNP/200 6	02/02/2005	05/02/2004	A PROCESS TO PRODUCE AN INTERMEDIATE PRESSURE STEAM FROM A HIGH TEMPERATURE PROCESS STREAM	GRUPO PETROTEMEX, S.A. DE C.V.	13/07/2007	DELHI
12	259176	1533/DEL/2005	14/06/2005		POLYURETHANE PREPOLYMER FORMULATION FOR ORTHOPAEDICS CASTING TAPE	SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH	29/12/2006	DELHI
13	259178	3194/DELNP/200 4	15/04/2003	15/04/2002	POLYSULFONE COMPOSITIONS EXHIBITING VERY LOW COLOR AND HIGH LIGHT TRANSMITTANCE PROPERTIES AND ARTICLES MADE THEREFROM	SOLVAY ADVANCED POLYMERS, LLC	09/10/2009	DELHI
14	259180	2496/DELNP/200 4	17/02/2003	04/03/2002	PNEUMATIC ACTUATOR	PROSPECTIVE CONCEPTS AG	09/10/2009	DELHI
15	259182	1480/DELNP/200 5	19/12/2002	11/10/2002	A TURBINE APPARATUS	HONEYWELL INTERNATIONAL INC.	20/03/2009	DELHI
16	259187	2668/DEL/2008	26/11/2008	29/11/2007	A COATING COMPOSITION	KANSAI PAINT CO.,LTD	19/06/2009	DELHI
17	259188	469/DEL/2006	21/02/2006	17/03/2006	A METHOD FOR THE CONTINUOUS MANUFACTURE OF EXPANDABLE PLASTIC GRANULATE	SULZER CHEMTECH AG	28/09/2007	DELHI
18	259189	4883/DELNP/200 5	26/04/2004	05/05/2003	CONDENSATE REMOVAL SYSTEM ROOFTOP AIR CONDITIONER	CARRIER CORPORATION	23/11/2007	DELHI
19	259190	6947/DELNP/200 7	08/03/2006	08/03/2005	EXTRUDED SOLID PRODUCT FOR USE IN FOODSTUFFS	NESTEC S.A.	28/09/2007	DELHI
20	259191	2450/DELNP/200 6	22/10/2004	23/10/2003	A FOLDING RAMP FOR VEHICLE ACCESS	BARAT S.A.	03/08/2007	DELHI
21	259195	5892/DELNP/200 6	27/04/2005	28/04/2004	A PLASMID COMPRISING ADENOVIRAL GENOMIC NUCLEOTIDE SEQUENCES	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	31/08/2007	DELHI
22	259196	1069/DELNP/200 6	27/08/2004	27/08/2003	ROTARY MECHANISM	KCR TECHNOLOGIES PTY LTD	10/08/2007	DELHI
23	259197	3108/DELNP/200 7	18/11/2005	19/11/2004	WHITENESS PERCEPTION COMPOSITIONS	THE PROCTER & GAMBLE COMPANY	31/08/2007	DELHI
24	259198	364/DEL/2007	21/02/2007	19/05/2006	A SURGICAL SYSTEM COMPRISING A SURGICAL CASSETTE	ALCON,INC.	30/11/2007	DELHI

25	259203	4378/DELNP/200 7	13/12/2005	14/12/2004	A METHOD FOR PLATING A SUBSTRATE WITH A METAL USING AN AUTOCATALYTIC ELECTROLESS PLATING BATH	POLYMER KOMPOSITER I GOTEBORG AG	24/08/2007	DELHI
26	259206	2218/DELNP/200 6	13/07/2004	03/11/2003	SELECTING AN ACCESS POINT ACCORDING TO A MEASURE OF RECEIVED ERROR VECTOR MAGNITUDE	CISCO TECHNOLOGY, INC.	03/02/2012	DELHI
27	259208	1312/DELNP/200 7	16/08/2005	19/08/2004	PROCESS FOR PLASMID DNA FERMENTATION	NATURE TECHNOLOGY CORP.	03/08/2007	DELHI
28	259210	1855/DELNP/200 8	26/08/2005	26/08/2005	PEPTIDE ANALOGUES OF a-MSH	AbbVie Inc.	27/06/2008	DELHI
29	259212	5551/DELNP/200 7	15/12/2005	04/01/2005	A DISTANCE INDICATING SYSTEM FOR AN ASSOCIATED AIR SPRING	BFS DIVERSIFIED PRODUCTS, LLC.	17/08/2007	DELHI
30	259213	1517/DEL/2003	04/12/2003	20/12/2002	WATCH CASE	ROLEX S.A.	30/12/2005	DELHI
31	259214	686/DELNP/2007	28/07/2005	28/07/2004	METHODS FOR EXPONENTIALLY AMPLIFYING DNA	CANON U.S. LIFE SCIENCES, INC	03/08/2007	DELHI
32	259215	781/DELNP/2007	19/07/2005	20/07/2004	A METHOD OF REVERSE LINK POWER CONTROL AND A WIRELESS COMMUNICATIONS DEVICE THEREOF	QUALCOMM INCORPORATED	03/08/2007	DELHI
33	259216	2427/DELNP/200 7	18/10/2005	22/10/2004	BATTERY SEPARATOR WITH Z-DIRECTON STABILITY	CELGARD LLC	03/08/2007	DELHI
34	259220	6696/DELNP/200	15/04/2005	03/05/2004	BLOOD DRAWING DEVICE	CLEAR VIEW PATIENT SAFETY PRODUCTS, LLC	31/08/2007	DELHI
35	259221	1084/DELNP/200 4	25/10/2002	29/10/2001	AN APPARATUS FOR PRODUCTION OF SPUN- BOND WEBS AND A METHOD FOR FORMING A APUN-BOND WEB, RESPECTIVELY	ALBANY INTERNATIONAL CORP.	28/07/2006	DELHI
36	259223	2458/DELNP/200 8	16/11/2006	07/12/2005	MODIFIED COCONUT OILS WITH BROAD ANTIMICROBIAL SPECTRUM	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	27/06/2008	DELHI
37	259228	822/DEL/2007	13/04/2007		PRODUCTION AND METHODOLOGY FOR ELECTRONIC GRADE DI- ISOPROPYL TELLURIDE	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION	24/04/2009	DELHI
38	259230	6535/DELNP/200 9	11/04/2008	11/04/2007	PROCESS	INEOS FLUOR HOLDINGS LIMITED	11/06/2010	DELHI
39	259232	1188/DEL/2008	10/12/1996	11/12/1995	A PLANT-PROTECTING COMPOSITION	SYNGENTA PARTICIPATIONS AG	12/09/2008	DELHI

40	259233	1220/DELNP/200 7	10/08/2005	13/08/2004	RADIO FREQUENCY RECEIVER FOR COUPLING	NOKIA CORPORATION	03/08/2007	DELHI
41	259234	101/DELNP/2009	11/07/2007	11/07/2006	COMPOSITIONS OF MG53 POLYPEPTIDES AND ASSOCIATED METHODS OF USE	UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY	12/06/2009	DELHI
42	259237	3503/DELNP/200 7	16/11/2004	16/11/2004	A SELF- MICROEMULSIFIABLE ANHYDROUS BASE COMPOSITION	BIOAVAILABILITY,INC.	31/08/2007	DELHI
43	259238	9920/DELNP/200 7	07/06/2006	09/06/2005	METHOD OF PREPARING A LIPASE POWDER COMPOSITION	THE NISSHIN OILLIO GROUP, LTD.,NOVOZYMES A/S	20/06/2008	DELHI
44	259239	8883/DELNP/200 7	01/05/2006	02/05/2005	NOVEL PHOSPHORUS ADDITION PROCESS FOR IMPROVEMENT OF CATALYSTS SUITABLE FOR MALEIC ANHYDRIDE PRODUCTION	INEOS USA LLC	27/06/2008	DELHI
45	259240	1779/DEL/2006	04/08/2006	26/08/2005	NOVEL METHODS FOR THE PREPARATION OF BUTYL GRAFT COPOLYMERS	LANXESS INC.,	31/08/2007	DELHI
46	259242	3903/DELNP/200 7	23/11/2005	24/11/2004	METHODS AND SYSTEMS FOR UPDATING A BUFFER	QUALCOMM INCORPORATED	31/08/2007	DELHI
47	259243	3660/DELNP/200 6	23/12/2004	23/12/2003	A METHOD FOR PRODUCING NON-2 µM- FAMILY PLASMID PROTEIN	NOVOZYMES BIOPHARMA DK A/S	24/08/2007	DELHI
48	259246	5479/DELNP/200 7	20/12/2005	21/12/2004	COMPOSITIONS AND METHODS FOR PROMOTING WOUND HEALING AND TISSUE REGENERATION	MUSC FOUNDATION FOR RESEARCH DEVELOPMENT	17/08/2007	DELHI
49	259247	3487/DELNP/200 7	30/09/2005	05/11/2004	A FLUID OPERATED DEVICE AND A PRESSURE RELEASING VALVE STRUCTURE FOR THE SAME	LATCHTOOL GROUP LLC	31/08/2007	DELHI
50	259249	2165/DELNP/200 4	17/12/2002	03/01/2002	APPARATUS FOR BREAKING ROCK	NXCO INTERNATIONAL LIMITED	18/12/2009	DELHI
51	259251	1706/DEL/2008	18/07/2008 15:32:33	20/07/2007	NUCLEIC ACID ANALYSIS DEVICE AND NUCLEIC ACID ANALYZER USING THE SAME	HITACHI HIGH- TECHNOLOGIES CORPORATION	03/04/2009	DELHI
52	259252	1166/DELNP/200 6	29/09/2004	16/10/2003	METHODS OF FORMING SILICON CARBIDE POWER DEVICES AND DEVICES FORMED THEREBY	CREE INC.	10/08/2007	DELHI
53	259253	2946/DELNP/200 4	02/04/2003	02/04/2002	TOOL HONDER FOR FLEXIBLY-DEFORMABLE TOOL	WEILL DAVID	13/11/2009	DELHI
54	259254	10/DELNP/2009	15/06/2007	26/07/2006	HIGH-STRENGTH NON- ORIENTED ELECTRICAL STEEL SHEET	NIPPON STEEL & SUMITOMO METAL CORPORATION	29/05/2009	DELHI

55	259255	1312/DELNP/200 6	18/05/2004	09/09/2003	HYDRAULIC EQUIPMENT	YANMAR CO., LTD.	13/07/2007	DELHI
56	259257	7861/DELNP/200 6	22/06/2005	29/06/2004	A LIVE VIRUS VACCINE	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	17/08/2007	DELHI
57	259259	564/DELNP/2008	04/02/2004	04/02/2003	AN ISOLATED PROMOTER CAPABLE OF DRIVING AND/ OR REGULATING EXPRESSION IN PLANTS	CROP DESIGN N. V.	11/07/2008	DELHI
58	259261	714/DELNP/2007	01/08/2005	19/08/2004	NOVEL FEED OR FOOD COMPOSITION.	DSM IP ASSETS B.V.	27/04/2007	DELHI
59	259262	2078/DELNP/200 4	05/02/2003	06/02/2002	METHOD AND APPARATUS FOR PARAMETER BORROWING FOR NETWORK ADDRESS TRANSLATOR CONFIGURATION	THOMSON LICENSING S.A.	10/08/2007	DELHI
60	259263	404/DELNP/2008	07/12/2006	05/09/2006	METHOD AND DEVICE FOR SECURITY- INSPECTION OF LIQUID ARTICLES WITH RADIATIONS	NUCTECH COMPANY LIMITED,TSINGHUA UNIVERSITY	09/05/2008	DELHI
61	259265	6481/DELNP/200 7	28/02/2006	28/02/2005	AN INFANT NUTRITION COMPOSITION WITH PROBIOTICS	N. V. NUTRICIA	31/08/2007	DELHI
62	259267	572/DELNP/2004	05/09/2002	07/09/2001	A METHOD FOR USE WITHIN A TELEVISION RECEIVER FOR STORING PROGRAM GUIDE IMFORMATION AND AN APPRATUS THEREOF	THOMSON LICENSING S.A.	30/10/2009	DELHI
63	259269	8582/DELNP/200 7	18/11/2003	18/11/2002	A FOOD MATERIAL	MITSUI SUGAR CO., LTD.	08/02/2008	DELHI
64	259272	7928/DELNP/200 6	10/06/2005	11/06/2004	A RAIL FASTENING APPARATUS FOR FASTENING AN INNER STOCK RAIL IN RAILWAY SLIDE CHAIR	VAE EISENBAHNSYSTEME GMBH,VAE GMBH,VOESTALPINE BWG GMBH & CO. KG	22/06/2007	DELHI
65	259273	3629/DELNP/200 5	20/02/2004	07/04/2003	A METHOD FOR TRANSMITTING A FIRST SET OF IMAGE DATA TO AN IMAGE RENDERING DEVICE	CLAIRVOYANTE INC.	20/03/2009	DELHI
66	259279	3420/DELNP/200 5	25/04/2005	30/04/2004	A PROCESS AND DEVICE FOR THE PRODUCTION OF A BLISTER SHEET	GRUPPO COLINES S.r.l.	14/08/2009	DELHI
67	259281	220/DEL/1997	28/01/1997	16/01/1996	A COMUNICATION NETWORK FOR ON- DEMAND GUARANTEED BANDWIDTH SERVICE FOR INTERNET ACCESS POINTS	TELCORDIA LICENSING COMPANY LLC	24/04/2009	DELHI

68	259282	7638/DELNP/200 6	25/06/2005	02/07/2004	AEROSOL SUSPENSION FORMULATIONS CONTAINING TG 227 EA OR TG 134 A AS A PROPELLANT	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	17/08/2007	DELHI
69	259284	6755/DELNP/200 7	09/03/2006	15/04/2005	HAMMER TACKER	ISABERG RAPID AB	28/09/2007	DELHI
70	259285	10179/DELNP/20 08	14/06/2007	26/06/2006	ARTICLES COMPRISING A POLYIMIDE SOLVENT CAST FILM HAVING A LOW COEFFICIENT OF THERMAL EXPANSION AND METHOD OF MANUFACTURE THEREOF	SABIC INNOVATIVE PLASTICS IP B.V	15/05/2009	DELHI
71	259289	1517/DELNP/200 7	13/01/2005	17/08/2004	DETOXIFIZYME WITH ACTIVITY OF TRANSFORMING AFLATOXIN AND THE GENE ENCODES THEREOF	GUANGZHOU CO-WIN BIOENGINEERING CO., LTD.	03/08/2007	DELHI

# Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	259148	2017/MUMNP/2008	20/03/2007	21/03/2006	SUBCUTANEOUS IMPLANTS CONTAINING A DEGRADATION- RESISTANT POLYLACTIDE POLYMER AND A LH- RH ANALOGUE	HEXAL AG	16/01/2009	MUMBAI
2	259149	212/MUMNP/2009	25/06/2007	29/08/2006	PROCESS FOR PRODUCING POLYURETHANE ELASTOMER FOAMS	NOK CORPORATION	22/05/2009	MUMBAI
3	259150	2103/MUM/2007	24/10/2007		PROCESS FOR SYNTHESIS OF PARA PROPOXY METHYL BENZOATE	GUJARAT ORGANICS LTD	12/06/2009	MUMBAI
4	259151	2125/MUMNP/2010	19/03/2009	31/03/2008	HOLLOW FIBER MEMBRANE MODULE AND PULLER USED THEREFOR	KOLON INDUSTRIES INC.	18/02/2011	MUMBAI
5	259152	799/MUMNP/2009	19/10/2007	24/10/2006	SOFT CAPSULES COMPRISING PALONOSETRON HYDROCHLORIDE HAVING IMPROVED STABILITY AND BIOAVAILABILITY	HELSINN HEALTHCARE S. A.	03/07/2009	MUMBAI
6	259153	862/MUM/2008	16/04/2008		A PROCESS FOR PREPARATION OF TOPICAL PHARMACEUTICAL COMPOSITION	CIPLA LIMITED	30/10/2009	MUMBAI
7	259157	1205/MUM/2008	06/06/2008	19/10/2007	METAL CAPACITOR AND MANUFACTURING METHOD THEREOF	OH, YOUNG JOO	26/06/2009	MUMBAI
8	259169	477/MUM/2008	07/03/2008		OPHTHALMIC COMPOSITION	SUN PHARMA ADVANCED RESEARCH COMPANY LTD.	16/10/2009	MUMBAI
9	259170	1767/MUMNP/2010	28/01/2009	28/01/2008	FORMULAS COMPRISING CALCIUM, MAGNESIUM, ZINC, AND VITAMIN D3 FOR THE PREVENTION AND AMELIORATION OF OSTEOPOROSIS	BEAUTY PEARL GROUP LIMITED	21/01/2011	MUMBAI

10	259171	223/MUMNP/2008	14/08/2006	12/08/2005	AN APPARATUS FOR RECEIVING DOWNLINK TRNSMISSION AND METHOD THEREOF	QUALCOMM INCORPORATED	07/03/2008	MUMBAI
11	259175	1130/MUM/2003	28/10/2003	02/12/2002	INTAKE AIR FLOW CONTROL SYSTEM FOR INTERNAL COMBUSTIO N ENGINE	HONDA MOTOR CO. LTD	09/09/2005	MUMBAI
12	259177	814/MUMNP/2008	26/09/2006	27/09/2005	A DISPLACEMENT UNIT FOR A JOINT SHAFT	SHAFT-FORM- ENGINEERING GMBH	27/06/2008	MUMBAI
13	259179	2310/MUM/2007	23/11/2007 10:53:06		OVERRIDE MECHANISM FOR ELECTRIC GEARSHIFT SYSTEM AND METHOD OF MANUFACTURING OVERRIDE MECHANISM THEREOF	TATA MOTORS LIMITED	04/01/2008	MUMBAI
14	259184	1207/MUM/2008	06/06/2008	19/10/2007	METAL CAPACITOR AND MANUFACTURING METHOD THEREOF	OH, YOUNG JOO	26/06/2009	MUMBAI
15	259186	727/MUM/2005	21/06/2005		A SYSTEM FOR WASTE HEAT DRIVEN COMBUSTION TURBINE INLET AIR COOLING	TRANSPARENT ENERGY SYSTEMS PRIVATE LIMITED,0	22/06/2007	MUMBAI
16	259192	1446/MUM/2005	21/11/2005		A MANUAL GEAR- SHIFTING SYSTEM, IN AN AGRICULTURAL OR INDUSTRIAL VEHICLE	MAHINDRA & MAHINDRA LTD.	29/06/2007	MUMBAI
17	259200	74/MUM/2009	12/01/2009 16:04:50	21/01/2008	CALIBRATION ELEMENT FOR CALIBRATING THE MAGNIFICATION RATIO OF A CAMERA, AND A CALIBRATION METHOD	TEXMAG GMBH VERTRIEBSGESELLSC HAFT	26/03/2010	MUMBAI
18	259205	661/MUMNP/2008	24/04/2007	06/02/2007	A NON POLAR METAL ELECTROLYTIC CAPACITOR AND METHOD OF MANUFACTURING THEREOF	OH YOUNG JOO	31/10/2008	MUMBAI
19	259222	882/MUM/2006	07/06/2006	10/06/2005	MULTI-PLATFORM MEDIA DISTRIBUTION SYSTEM	GUPTE ANIRUDDHA RAJENDRA	27/06/2008	MUMBAI
20	259224	2626/MUM/2007	03/05/2007	03/05/2006	METHOD AND APPARATUS FOR SYNCHRONIZING DEVICE PROVIDING CONTENT DIRECTORY SERVICE WITH DEVICE NOT PROVIDING CONTENT DIRECTORY SERVICE	SAMSUNG ELECTRONICS CO., LTD.	17/06/2011	MUMBAI

21	259226	148/MUM/2007	25/01/2007		AN IMPROVED PROCESS FOR PREPARATION OF LOSARTAN POTASSIUM IN CRYSTALLINE FORM-1	CADILA HEALTHCARE LIMITED	19/09/2008	MUMBAI
22	259229	737/MUMNP/2008	21/09/2006	22/09/2005	A VIDEO CODING DEVICE AND METHOD FOR RATE CONTROLLED CODING OF VIDEO SEQUENCES	QUALCOMM INCORPORATED	27/06/2008	MUMBAI
23	259250	1308/MUMNP/2008	22/01/2007	20/01/2006	A METHOD OF PIPELINE OPERATION FOR EARLY CONDITIONAL SELECTION OF AN OPERAND AND A PIPELINED PROCESSOR THEREOF	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
24	259268	1107/MUMNP/2008	20/12/2006	22/12/2005	EFFICIENT REPORTING OF INFORMATION IN A WIRELESS COMMUNICATION SYSTEM	QUALCOMM INCORPORATED	19/09/2008	MUMBAI
25	259276	524/MUMNP/2008	30/08/2006	30/08/2005	METHOD AND DEVICE FOR ENHANCING PERFORMANCE IN A WIRELESS COMMUNICATION ENVIRONMENT	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
26	259286	1408/MUMNP/2006	02/05/2005	12/05/2004	A METHOD AND APPARATUS TO REDUCE UNDESIRED AMPLITUDE MODULATION	TELEFONAKTIEBOLA GET L.M. ERICSSON (publ)	25/05/2007	MUMBAI
27	259287	1127/MUMNP/2009	21/11/2007	20/12/2006	ANTIPERSPIRANT STICK COMPOSITIONS	HINDUSTAN UNILEVER LIMITED	17/07/2009	MUMBAI
28	259288	542/MUMNP/2008	25/08/2006	26/08/2005	METHOD AND APPARATUS FOR PACKET COMMUNICATIONS IN WIRELESS SYSTEMS	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
29	259291	1600/MUMNP/2008	15/01/2007	03/02/2006	METHOD FOR FABRICATING AN ELECTRODE FOR ELECTROCHEMICAL REACTORS	COMMISSARIAT A L'ENERGIE ATOMIQUE	10/10/2008	MUMBAI

# Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	259146	1236/CHENP/20 08	25/09/2006	23/09/2005	METHOD AND SYSTEM FOR PROGRESSIVELY ENCODING A DIGITIZED COLOR IMAGE	SLIPSTREAM DATA INC.	28/11/2008	CHENNAI
2	259160	1203/CHE/2007	08/06/2007	09/06/2006	POLYAMIDE CURING AGENT COMPOSITIONS	AIR PRODUCTS AND CHEMICALS, INC.	28/11/2008	CHENNAI
3	259181	1411/CHE/2006	07/08/2006	09/08/2005	METHOD FOR EXTRACTION OF CHEMOPROTECTANTS FROM CRUCIFER SEEDS AND SPROUTS	KRAFT FOODS GROUP BRANDS LLC	22/06/2007	CHENNAI
4	259183	262/CHENP/200 7	15/07/2005	21/07/2004	METABOLIC METHOD TO IDENTIFY COMPOUNDS	GIVAUDAN SA	24/08/2007	CHENNAI
5	259193	1057/CHENP/2007	06/09/2005	13/09/2004	TRANSDERMAL THERAPEUTIC SYSTEM COMPRISING AN ADHESIVE LAYER METHOD FOR SILICONIZING THE BACK LAYER OF THE SYSTEM AND USE OF SAID BACK LAYER	LTS LOHMANN THERAPIE- SYSTEME AG	31/08/2007	CHENNAI
6	259199	3878/CHENP/2007	07/02/2006	07/02/2005	POLYNUCLEOTIDE COMPRISING SEQUENCE ENCODING POLYPEPTIDE THAT BIND EGFR, VECTORS ENCODING THE SAME AND METHODS THEREOF	ROCHE GLYCART AG	21/12/2007	CHENNAI
7	259201	4533/CHENP/20 06	11/05/2005	11/05/2004	SHOWER HEADER SPRAY DEVICE WITH EASY REMOVABLE SPRAY NOZZLES	SPRAYING SYSTEMS CO.	29/06/2007	CHENNAI
8	259202	2457/CHENP/2008	18/10/2006	28/11/2005	A METHOD FOR ADJUSTING A MODE OF ELECTROMAGNETIC STIRRING OF THE LIQUID METAL OVER A HEIGHT OF A MOLD	ROTELEC	06/03/2009	CHENNAI
9	259204	1891/CHE/2007	23/08/2007		A MACHINE FOR DEHUSKING THE SKIN OF ARECANUT	KUNTAVALLI VISHWANATH	15/08/2008	CHENNAI
10	259217	832/CHE/2004	20/08/2004		CONE CLUTCH FOR CONTINUOUSLY VARIABLE TRANSMISSION	TVS MOTOR COMPANY LIMITED	09/03/2007	CHENNAI

11	259218	762/CHENP/200 7	23/08/2005	24/08/2004	A PROCESS FOR SEPARATING THE COMPONENTS OF A MULTI-COMPONENT GAS STREAM	ADVANCED EXTRACTION TECHNOLOGIES, INC.	24/08/2007	CHENNAI
12	259219	41/CHENP/2008	03/07/2006	04/07/2005	CEILING FORMWORK SYSTEM	PERI GmbH	28/11/2008	CHENNAI
13	259225	1137/CHE/2004	02/11/2004	07/11/2003	A METHOD OF AUTHENTICATION VIA A SECURE WIRELESS COMMUNICATION SYSTEM	A METHOD OF AUTHENTICATION VIA A SECURE WIRELESS COMMUNICATION SIEMENS AKTIENGESELLSCHAFT		CHENNAI
14	259227	121/CHE/2006	25/01/2006		CEFTRIAXONE AND/OR CEFPODOXIME WITH BETALACTAMASE INHIBITOR AND/OR LINEZOLID INCORPORATED IN BIODEGRADABLE POLYMERS FOR SUSTAINED ACTION UPTO ONE WEEK	SRINIVAS JEGANNATHAN	24/08/2007	CHENNAI
15	259256	4343/CHENP/20 06	23/05/2005	27/05/2004	NON-HOMOGENEOUS ENGINE COMPONENT FORMED BY POWDER METALLURGY	International Engine Intellectual Property Company LLC	10/08/2007	CHENNAI
16	259258	1473/CHE/2004	31/12/2004		A METHOD OF TUNNEL END POINT CREATION USING SIMPLE NETWORK MANAGEMENT PROTOCOL	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	20/04/2007	CHENNAI
17	259277	5017/CHENP/20 08	07/06/2007	07/06/2006	AN APPARATUS AND METHOD FOR ACCESSING AN ACCESS NETWORK	QUALCOMM INCORPORATED,	20/03/2009	CHENNAI
18	259290	4054/CHENP/20 08	26/09/2006	26/09/2006	DATA COMMUNICATION METHOD AND MOBILE COMMUNICATION SYSTEM	MITTSUBISHI ELECTRIC CORPORATION	13/03/2009	CHENNAI
19	259299	5569/CHENP/20 08	12/04/2007	17/04/2006	RECOMBINANT ATTENUATED CLOSTRIDIUM ORGANISMS AND VACCINE	SCHERING-PLOUGH LTD.	20/03/2009	CHENNAI

#### Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	192337	124/CAL/2000	06/03/2000		ADJUSTABLE TURNTABLE FOR RAIL CUM ROAD VEHICLES	PHOOLTAS TAMPER PVT LTD.	23/12/2005	KOLKATA
2	259156	1802/KOLNP/20 06	15/12/2004	19/12/2003	ANTIMICROBIAL COMPOSITION	THE UNIVERSITY OF MELBOURNE	11/05/2007	KOLKATA
3	259161	719/KOLNP/200 7	29/07/2005	02/08/2004	CURRENT PREDICTION IN A SWITCHING POWER SUPPLY	ELECTROVAYA INC.	13/07/2007	KOLKATA
4	259162	829/KOL/2008	07/05/2008	07/06/2007	PERMANENT MAGNET MOTORS WITH REDUCED TORQUE RIPPLE AND METHODS FOR DESIGNING THE SAME	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	24/04/2009	KOLKATA
5	259164	2357/KOLNP/20 08	12/12/2006	13/12/2005	LOAD INTERRUPTER FOR AN ENCAPSULATED SWITCHGEAR AND PERMANENT MAGNET SYSTEM FOR A LOAD INTERRUPTER	SIEMENS AKTIENGESELLSCHAFT	23/01/2009	KOLKATA
6	259165	3366/KOLNP/20 06	15/04/2005	15/04/2004	SYSTEMS AND METHODS FOR MANAGING A NETWORK	CLEARPATH NETWORKS, INC.	15/06/2007	KOLKATA
7	259166	1143/KOLNP/20 06	14/10/2004	31/10/2003	CABLE WITH OFFSET FILLER	ADC INCORPORATED	27/04/2007	KOLKATA
8	259167	2720/KOLNP/20 06	03/03/2005	19/03/2004	A RECORDING MEDIUM; A METHOD OF REFORMATTING A RECORDING MEDIUM; A METHOD AND APPARATUS FOR RECORDING/REPRODUCI NG ON/FROM A RECORDING MEDIUM	LG ELECTRONICS INC	01/06/2007	KOLKATA
9	259168	847/KOLNP/200 7	24/01/2006	30/01/2005	A METHOD FOR SETTING A KEY AND A METHOD FOR SETTING AN INITIAL SECURITY KEY TO A MOBILE TERMINAL	HUAWEI TECHNOLOGIES CO., LTD.	13/07/2007	KOLKATA
10	259172	2585/KOLNP/20 09	23/04/2008	27/04/2007	METHOD FOR STERILIZING CONTAINERS	KHS GMBH	04/09/2009	KOLKATA

11	259174	671/KOLNP/200 8	09/08/2006	19/08/2005	A METHOD OF MANUFACTURING AN ORGANIC SILICON COMPOUND THAT CONTAINS A METHACRYLOXY GROUP OR AN ACRYLOXY GROUP	DOW CORNING TORAY CO., LTD	17/10/2008	KOLKATA
12	259185	4695/KOLNP/20 07	13/06/2006	29/06/2005	METHOD AND MOBILE COMMUNICATION APPLIANCE FOR SELECTING A TRANSMISSION PATH	SIEMENS ENTERPRISE COMMUNICATIONS GMBH & CO.KG.	02/01/2009	KOLKATA
13	259194	1232/KOL/2007	03/09/2007	26/09/2006	A VEHICLE SPEED DETECTION SYSTEM AND A METHOD OF DETERMINING A VEHICLE SPEED	GM GLOBAL TECHNOLOGY OPERATIONS, INC	25/04/2008	KOLKATA
14	259207	1003/KOLNP/20 07	19/09/2005	17/09/2004	DIAMINOTRIAZOLE COMPOUNDS	VERTEX PHARMACEUTICALS INCORPORATED	13/07/2007	KOLKATA
15	259209	452/KOLNP/200 7	15/07/2005	26/07/2004	A FEEDSTOCK FOR MAKING A SUPPORT STRUCTURE FOR A THREE-DIMENSIONAL OBJECT USING AN ADDITIVE PROCESSING TECHNIQUE	STRATASYS, INC.	06/07/2007	KOLKATA
16	259211	3064/KOLNP/200 7	17/02/2006	18/02/2005	PHTHALOCYANINE COMPOUND, PROCESS FOR PRODUCING THE SAME, AND COLORED COMPOSITION CONTAINING THE PHTHALOCYANINE COMPOUND	DAINIPPON INK AND CHEMICALS, INC.	07/12/2007	KOLKATA
17	259231	3769/KOLNP/200 7	10/03/2006	11/03/2005	PHARMACEUTICAL AND/OR VETERINARY COMPOSITION COMPRISING FLAVONOID COMPOUNDS	HOWARD FLOREY INSTITUTE OF EXPERIMENTAL PHYSIOLOGY AND MEDICINE, NEUPROTECT PTY LTD	25/01/2008	KOLKATA
18	259235	568/KOL/2006	09/06/2006	22/06/2005	DESULFURIZATION CATALYST FOR CATALYTIC CRACKED GASOLINE, METHOD OF PRODUCING THE SAME, AND METHOD FOR DESULFURIZING OF CATALYTIC CRACKED GASOLINE USING THE SAME	CATALYSTS & CHEMICALS INDUSTRIES CO. LTD.	22/06/2007	KOLKATA
19	259236	2683/KOLNP/20 07	05/10/2001	06/10/2000	A METHOD OF STABILISING A LDH INSERTION MUTATION AND INSERTING ONE OR MORE EXPRESSIBE GENES INTO LDH GENE	ELSWORTH BIOTECHNOLOGY LIMITED	01/08/2008	KOLKATA

20	259241	4834/KOLNP/20 07	05/07/2006	06/07/2005	SYSTEM AND METHOD FOR NOTIFYING COMPLETION OF NETWORK RE-ENTRY PROCEDURE IN A COMMUNICATION SYSTEM	SAMSUNG ELECTRONICS CO. LTD.	15/02/2008	KOLKATA
21	259244	2997/KOLNP/20 07	13/02/2006	16/02/2005	A LIGHTING DEVICE FOR FRONT REGION OF A MOTOR VEHICLE EMITTING ELECTROMAGNETIC RADIATION DURING OPERATION	OSRAM OPTO SEMICONDUCTORS GMBH,PATENT- TREUHAND- GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH	14/09/2007	KOLKATA
22	259245	373/KOL/2008	28/02/2008	30/03/2007	AN IMPROVED MULTI- SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	10/10/2008	KOLKATA
23	259248	4897/KOLNP/20 08	05/06/2007	09/06/2006	INTERLEAVER APPARATUS AND A METHOD OF PROCESSING A CODEWORD FROM AN INPUT BLOCK OF SIGNALS	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	27/03/2009	KOLKATA
24	259260	557/KOLNP/200 3	29/10/2001	30/10/2000	AN INKJET PRINTING SYSTEM	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	17/03/2006	KOLKATA
25	259264	2103/KOLNP/20 06	25/01/2005	30/01/2004	AEROSOL SPRAY RESISTANT TO DISCOLORATION	S.C.JOHNSON & SON, INC	18/05/2007	KOLKATA
26	259266	79/KOLNP/2008	22/07/2005	22/07/2005	FLAME RETARDANT POLYMERIC COMPOSITIONS	ITALMATCH CHEMICALS S.P.A.	12/09/2008	KOLKATA
27	259270	4057/KOLNP/20 07	17/05/2006	19/05/2005	METHOD AND SYSTEM FOR IMPROVING THE QoS OF ACCESS TERMINAL INTERACTIVE DATA	HUAWEI TECHNOLOGIES CO., LTD.	20/06/2008	KOLKATA
28	259271	3250/KOLNP/20 06	19/05/2005	21/06/2004	FRAME SYNCHRONIZATION IN AN ETHERNET NTP TIME- KEEPING DIGITAL CINEMA PLAYBACK SYSTEM	DOLBY LABORATORIES LICENSING CORPORATION	08/06/2007	KOLKATA
29	259274	1449/KOLNP/20 07	10/08/2005	30/09/2004	MEHOD AND APPARATUS FOR PROVIDING AUTHORIZED REMOTE ACCESS TO APPLICATION SESSIONS	CITRIX SYSTEMS, INC.	20/07/2007	KOLKATA
30	259275	3593/KOLNP/20 08	23/10/2007	25/10/2006	APPARATUS AND METHOD FOR GENERATING AUDIO SUBBAND VALUES AND APPARATUS AND METHOD FOR GENERATING TIME- DOMAIN AUDIO SAMPLES	FRAUNHOFER- GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	20/02/2009	KOLKATA

31	259278	1642/KOLNP/20 08	27/10/2006	31/10/2005	A CIRCUIT DEVICE FOR MULTIPLE-PHASE CURRENT MODE CONTROL	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	30/01/2009	KOLKATA
32	259280	502/KOL/2007	29/03/2007	27/07/2006	A POINT-FIXED CURTAIN WALL HANGING SYSTEM	GUANGDONG KIN LONG HARDWARE PRODUCTS CO.,LTD.	22/02/2008	KOLKATA
33	259283	474/KOL/2008	07/03/2008	130/0/1/2007	AN IMPROVED MULTI- SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA
34	259292	2640/KOLNP/20 08	15/12/2006		SELF-SUSTAINING CRACKING OF HYDROCARBONS	PETROBEAM, INC.	30/01/2009	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	CASE NUMBERS	RENEWED ON
1.	244758	20.02.2014
2.	237537	20.02.2014
3.	191032	20.02.2014
4.	188177	20.02.2014
5.	197911	19.02.2014
6.	197913	19.02.2014
7.	197633	19.02.2014
8.	197423	20.02.2014
9.	194368	19.02.2014
10.	194205	20.02.2014
11.	195736	19.02.2014
12.	195735	19.02.2014
13.	195705	20.02.2014
14.	195217	20.02.2014
15.	195216	20.02.2014
16.	195215	20.02.2014
17.	195214	20.02.2014
18.	190673	25.02.2014
19.	185713	26.02.2014
20.	196693	20.02.2014

#### THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of FRITZ RUCK OPHTHALMOLOGISCHE SYSTEME GMBH registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
242248, 242249, 242250, 242251	24-01	EOS GMBH, A GERMAN COMPANY OF THE ADDRESS: JULICHER STRASSE 115, 52249 ESCHWEILER, GERMANY

#### **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		255318	
CLASS	CLASS 07-01		
1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI	ACE OF BUSINES	SAT	
DATE OF REGISTRATION		18/07/2013	
TITLE		PLATTER	
PRIORITY NA			
DESIGN NUMBER		251891	
CLASS		14-02	F
1)NITIN VATS OF ADDRESS S/O MR. O.P. SHAR GARH ROAD, MEERUT-250001, UTT		*	
DATE OF REGISTRATION		26/02/2013	
TITLE	INCLINE	D DISPLAY PANEL	
PRIORITY NA			00
DESIGN NUMBER		253625	
CLASS		23-03	Sec. 7
1)MR. DHITI TOWIWAT A CITIZ 163/71, PHAHONYOTHIN 32, KHV BANGKOK, THAILAND			9
DATE OF REGISTRATION 02/05/2013			
TITLE	LE HEAT EXCHANGER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
1202002952	08/11/2012	THAILAND	MARHETINE VEN

DESIGN NUMBER	251457	
CLASS	10-06	
1)EMERSON ELECTRIC CO., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF MISSOURI, 8000, WEST FLORISSANT, ST. LOUIS, MISSOURI 63136, UNITED STATES OF AMERICA		

DATE OF REGISTRATION	06/02/2013	
TITLE	UNDERGROUND UTILITY LINE LOCATOR	

**PRIORITY** 

1 Iu O Iu 1				
PRIORITY NUMBER	DATE	COUNTRY		
29/429131	07/08/2012	U.S.A.		

DESIGN NUMBER	254088			
CLASS	09-01			
1)MEADWESTVACO CALMAR GMBH.				

DISPENSER

ERNST-STENNER-STRASSE 17, 58675 HEMER, GERMANY		
DATE OF REGISTRATION	27/05/2013	

PRIORITY

TITLE

П	MOMIL		
	PRIORITY NUMBER	DATE	COUNTRY
	002143842	28/11/2012	OHIM



DESIGN NUMBER	254655	
CLASS	12-16	

## 1)SCANIA CV AB, A SWEDISH COMPANY OF, SE-151 87, SÖDERTÄLJE, SWEDEN

DATE OF REGISTRATION	21/06/2013	
TITLE	UPPER REAR PANEL FOR VEHICLES	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
201330031581.1	31/01/2013	CHINA



DESIGN NUMBER		256749			
<b>CLASS</b> 12-16					
KARISHMA NEST, ROW HOUSE	1)MR. SURESH RAMPRAKASH CHAWLA., HAVING ADDRESS AT KARISHMA NEST, ROW HOUSE NO:-8, MORWADI, PIMPRI, PUNE:-411018, MAHARASHTRA STATE, INDIA NATIONALITY:- INDIAN				
DATE OF REGISTRATION	25	5/09/2013			
TITLE	SAFETY BOX I	FITTED IN CAR BOOT			
PRIORITY NA					
DESIGN NUMBER		253737			
CLASS		02-01			
1)UNICHARM CORPORATION, C 182, SHIMOBUN, KINSEI-CHO, S NATIONALITY: JAPAN		EHIME 799-0111, JAPAN;			
DATE OF REGISTRATION	OF REGISTRATION 09/05/2013				
TITLE	DISPOS	ABLE DIAPER			
PRIORITY					
PRIORITY NUMBER	DATE	COUNTRY			
2012-027503	11/11/2012	JAPAN			
DESIGN NUMBER 256216					
CLASS	02-04				
1)VIROLA SHOE PVT. LTD (COM COMPANIES ACT) HAVING ITS OF 21/68, FREEGANJ, AGRA (U.P.) IN					
DATE OF REGISTRATION	04	4/09/2013			
TITLE	SHOE				
PRIORITY NA					

DESIGN NUMBER		254089	
CLASS		09-01	CF0
1)MEADWESTVACO CALMAR ERNST-STENNER-STRASSE 17		IANY	
DATE OF REGISTRATION	2	7/05/2013	
TITLE	Di	ISPENSER	1 3
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002143842	28/11/2012	OHIM	
	_		
DESIGN NUMBER		254669	
CLASS		23-01	4
1)MAHESH GUPTA, AN INDIAN C-64, SECTOR - 14, NOIDA, UT			MRI ASI
DATE OF REGISTRATION	2	1/06/2013	
TITLE	WAT	ER PURIFIER	N III a III
PRIORITY NA			
DESIGN NUMBER		252159	
CLASS		14-02	
1)APPLE INC., 1 INFINITE LOOP, CUPERTINO, CA 95014, USA, A CORPORATION INCORPORATED IN THE STATE OF CALIFORNIA			
DATE OF REGISTRATION	06/03/2013		
TITLE	DESKTOP CO	OMPUTER MONITOR	
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
29/431,443	07/09/2012 U.S.A.		
,	•	•	1780

DESIGN NUMBER	GN NUMBER 253741				
CLASS	02-01				
	1)UNICHARM CORPORATION, OF 182, SHIMOBUN, KINSEI-CHO, SHIKOKUCHUO-SHI, EHIME 799-0111, JAPAN; NATIONALITY: JAPAN				
DATE OF REGISTRATION			09/05	5/2013	
TITLE		DI	SPOSAB	LE DIAPER	10
PRIORITY					
PRIORITY NUMBER	D	ATE		COUNTRY	
2012-027507	11	1/11/2012		JAPAN	
DESIGN NUMBER			254	1009	
CLASS			12	-08	
1)FERRARI S.P.A., VIA EMILIA EST 1163 I-41100 I	MODENA	A (ITALY	)		
DATE OF REGISTRATION		21/05/2013		5/2013	
TITLE		CAR		AR	
PRIORITY	•				
PRIORITY NUMBER	DATE		COUNT	RY	Charles .
002147413	04/12/202	/12/2012 EUROPEAN UNION		EAN UNION	
DESIGN NUMBER		250958		958	
CLASS		24-01		-01	20000000
1)CHRISTOPHER JOHN FARRELL, AUSTRALIAN NATIONAL, OF 44 SIGANTO DRIVE HELENSVALE QLD 4212, AUSTRALIA				A A A	
DATE OF REGISTRATION		11/01/2013		/2013	
TITLE		ORTHODONTIC APPLIANCE		IC APPLIANCE	
PRIORITY					
PRIORITY NUMBER		TE		COUNTRY	
AU 143331/2012		08/2012		AUSTRALIA	

DESIGN NUMBER	251135	
CLASS	07-02	

## 1)DART INDUSTRIES INC., A CORPORATION FOUNDED UNDER THE LAWS OF DELAWARE, U.S.A. OF

14901 SOUTH ORANGE BLOSSOM TRAIL, ORLANDO, FLORIDA 32837, USA

DATE OF REGISTRATION	23/01/2013	
TITLE	CONTAINER FOR FOOD	



PRIORITY NUMBER	DATE	COUNTRY
29/421,566	16/08/2012	U.S.A.



DESIGN NUMBER	253413
CLASS	08-03

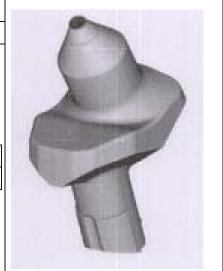
#### 1)WIRTGEN GMBH,

REINHARD-WIRTGEN-STR.2., 53578 WINDHAGEN, GERMANY

DATE OF REGISTRATION	25/04/2013
TITLE	CHISEL HOLDER



ш			
	PRIORITY NUMBER	DATE	COUNTRY
	002147884	05/12/2012	OHIM

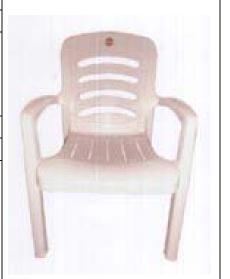


DESIGN NUMBER	256849
CLASS	06-01
1)WIM DI ACT I IMITED A DIDI IC I IMITED COMDANY DECICTEDED	

# 1)WIM PLAST LIMITED, A PUBLIC LIMITED COMPANY REGISTERED UNDER THE PROVISION OF INDIAN COMPANIES ACT, 1956, HAVING OFFICE ADDRESS AT

5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/09/2013
TITLE	CHAIR



DESIGN NUMBER		253792	
CLASS		23-04	HENKEL MAIN TO THE
1)HENKEL AG & CO. KGAA, A HENKELSTRASSE 67, 40589 DÜ			
DATE OF REGISTRATION	13	3/05/2013	
TITLE	FRAGRAN	CE EVAPORATOR	1 000
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002139519	21/11/2012	OHIM	
DESIGN NUMBER		251136	
CLASS		07-02	
1)DART INDUSTRIES INC., A C OF DELAWARE, U.S.A. OF 14901 SOUTH ORANGE BLOSS			
DATE OF REGISTRATION	23	3/01/2013	
TITLE	CONTAINER FOR FOOD		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/421,566	16/08/2012	U.S.A.	
DESIGN NUMBER	250024		
CLASS		13-02	
1)SOCIETE BIC, A FRENCH CO 14 RUE JEANNE D'ASNIÈRES,		Œ	
DATE OF REGISTRATION	07	7/12/2012	180
TITLE	MOBILE POWER SOURCE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/424,551	13/06/2012 U.S.A.		10) \
29/424,551	13/06/2012	U.S.A.	

DESIGN NUMBER		255329	
CLASS	07-06		
1)MA DESIGN INDIA PRIVATE INDIA HAVING ITS PRINCIPAL I A-41, SECTOR-80, PHASE-II, NO	PLACE OF BUSINESS	AT	\$ P
DATE OF REGISTRATION	13	8/07/2013	-
TITLE	CASSEI	ROLE HOLDER	119
PRIORITY NA			
DESIGN NUMBER		256703	
CLASS		12-11	
1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556, JAPAN			The state of the
DATE OF REGISTRATION	24	4/09/2013	
TITLE	MO	ΓORCYCLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	22 101
2013-006817	27/03/2013	JAPAN	
DESIGN NUMBER		256855	
CLASS		07-02	
1)ASIAN PLASTOWARES PVT. I NO. 16, M.I.D.C., ANDHERI(E), MI INDIA, / A PRIVATE LIMITED COMPAN COMPANIES ACT., OF ABOVE AD	U <b>MBAI-400093, STAT</b> I Y INCORPORATED U	E OF MAHARASHTRA,	Co,
DATE OF REGISTRATION	2	7/09/2013	
TITLE	CA	SSEROLE	
PRIORITY NA	•		

DESIGN NUMBER		253902			
CLASS		13-03			SHIPES NO. 9
1)SIEMENS AKTIENGESELLS WITTELSBACHERPLATZ 2, 80 COMPANY			ANY	, A GERMAN	
DATE OF REGISTRATION		10	6/05/2	2013	00
TITLE				HE CONTROL OF POWER	
PRIORITY					
PRIORITY NUMBER		DATE		COUNTRY	
001352413		26/11/2012		ОНІМ	
DESIGN NUMBER			2569	89	
CLASS			05-0	95	
RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			TO THE LAND TO		
DATE OF REGISTRATION		30/09/2013		2013	******************
TITLE		TEXTILE FABRIC		FABRIC	*************
PRIORITY NA					ARIARAMAN PARAMANANAN
DESIGN NUMBER		251144		44	
CLASS		07-02		2	
1)DART INDUSTRIES INC., A OF DELAWARE, U.S.A. OF 14901 SOUTH ORANGE BLOS					
DATE OF REGISTRATION		23/01/2013		2013	
TITLE		CONTAINER FOR FOOD		FOR FOOD	
PRIORITY					
PRIORITY NUMBER		DATE COUNTRY		COUNTRY	
29/421,570		16/08/2012 U.S.A.		II C A	

DESIGN NUMBER	253468
CLASS	09-03

#### 1) ORION CORPORATION, A KOREAN CORPORATION,

OF 30-10, MUNBAE-DONG, YONGSAN-GU, SEOUL, REPUBLIC OF KOREA

DATE OF REGISTRATION	26/04/2013
TITLE	PACKAGE BOX FOR CONFECTIONERY



#### PRIORITY NA

DESIGN NUMBER	254940
CLASS	19-06

#### 1)LINC PEN & PLASTICS LIMITED, AN INDIAN COMPANY

OF 3 ALIPORE ROAD, 1ST FLOOR, KOLKATA 700027, STATE OF WEST BENGAL, INDIA

DATE OF REGISTRATION	02/07/2013
TITLE	WRITING INSTRUMENT



#### PRIORITY NA

DESIGN NUMBER	256992
CLASS	05-05

# 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



DESIGN NUMBER				255486	
CLASS			30-99		
1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI BHAVAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001, INDIA					
DATE OF REGISTRATION			2	9/07/2013	1
TITLE				TRAINING DEVICE FOR MALS (TRAVIPORT)	It.
PRIORITY NA					
DESIGN NUMBER				255563	
CLASS				12-16	
1)ADM21 CO., LTD., 607, HAKDANG-RI, CHE CHUNGCHEONGNAM-DO, I KOREA					
DATE OF REGISTRATION		30/07/2013		0/07/2013	
TITLE		V	WIPER FOR AUTOMOBILES		
PRIORITY					
PRIORITY NUMBER	DA	TE	COUNT	ΓRY	
30-2013-0005540	31/0	01/2013	REPUB	BLIC OF KOREA	
DESIGN NUMBER				251195	
CLASS				13-03	
1)EMERSON ELECTRIC CO., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF MISSOURI, 8000, WEST FLORISSANT, ST. LOUIS, MISSOURI 63136, UNITED STATES OF AMERICA					
DATE OF REGISTRATION		24/01/2013		4/01/2013	6
TITLE		HERMETIC TERMINAL		TIC TERMINAL	
PRIORITY					
PRIORITY NUMBER		DATE		COUNTRY	
29/429570		14/08/2	2012	U.S.A.	]

DESIGN NUMBER		237638	
CLASS		28-03	
1) <b>MS. MARIE C. GELIN</b> 9002 CEDAR GROVE RD., FAI	RBURN, GA 30213		
DATE OF REGISTRATION		29/06/2011	
TITLE		SOAP	
PRIORITY NA			
DESIGN NUMBER		255224	
CLASS		19-02	
1)COLOP STEMPELERZEUGUNG SKOPEK GMBH & CO. KG., A COMPANY ORGANIZED UNDER THE LAWS OF AUSTRIA, OF DR. F-ARMING-STRAßE 5, 4600 WELS, AUSTRIA			Y
DATE OF REGISTRATION		15/07/2013	
TITLE		PRINTER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2171975-0001	24/01/2013	OHIM	
DESIGN NUMBER		253504	953
CLASS		26-03	
1)SCHREDER S.A. OF RUE DE LUSAMBO, 67, B. 119 COMPANY	0 BRUXELLES, BEL	GIUM, A BELGIUM	
DATE OF REGISTRATION		29/04/2013	01/20
TITLE	OUTDOO	R LIGHTING FIXTURE	16
PRIORITY			The state of the s
PRIORITY NUMBER	DATE	COUNTRY	
001352108-0001	22/11/2012	OHIM	

DESIGN NUMBER		253258	
CLASS			
1)(1)METTLER TOLEDO (CHANG			
LTD. A COMPANY INCORPORATI	,		
NATIONALITY: CHINA, ADDRESS DISTRICT, CHANGZHOU, JIANGS			~
(CHANGZHOU) PRECISION INSTE			
UNDER THE LAWS OF CHINA, NA			
MIDDLE HUASHAN ROAD, XINBE CHINA, (3)METTLER TOLEDO (CI			// ///
COMPANY INCORPORATED UND			// ////
CHINA, ADDRESS	WWW. Diampica		/_ ////
AT, NO.111 WEST TAIHU ROAD, 213125, CHINA	, XINBEI DISTRICT, (	CHANGZHOU, JIANGSU	
DATE OF REGISTRATION	1	9/04/2013	
TITLE		R WEIGHING EQUIPMENTS	
	DISTLAT UNIT FOI	WEIGHING EQUI WENTS	
PRIORITY PRIORITY NUMBER	DATE	COUNTRY	
201230504280.1	22/10/2012	CHINA	
DESIGN NUMBER		254062	
CLASS		13-02	
1)YASH HIGHVOLTAGE INSULATORS PVT. LTD. (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS  B/H. GENERAL MOTORS, NEAR GEB SUBSTATION, KHAKHARIYA-391510, DIST: VADODARA, GUJARAT-INDIA			
DATE OF REGISTRATION	23/05/2013		-
TITLE	POWER TRANSFORMER BUSHING		Section 1
PRIORITY NA			
DESIGN NUMBER	256972		
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	3	0/09/2013	
TITLE	TEXT	ΓILE FABRIC	REAL PROPERTY AND ADDRESS OF THE PARTY AND ADD
DDIODIEN NA			

DESIGN NUMBER	256996
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	253680	
CLASS	07-02	

1)DART INDUSTRIES INC., A CORPORATION FOUNDED UNDER THE LAWS OF DELAWARE, U.S.A. OF

14901 SOUTH ORANGE BLOSSOM TRAIL, ORLANDO, FLORIDA 32837, USA

DATE OF REGISTRATION	06/05/2013	
TITLE	INFANT FEEDING BOWL	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/437,669	20/11/2012	U.S.A.

DESIGN NUMBER	254064	
CLASS	25-99	

1)MADAN MOHAN ROY, SUSHIL KUMAR ROY, SUDIPTA ROY (DIRECTORS), NATIONALITY INDIAN TRADING AS RELIABLE INSUPACKS PVT. LTD. (THIS COMPANY IS REGISTERED UNDER COMPANIES ACT-1956)

WHOSE ADDRESS IS B-2/7, SITE-B, SURAJ PUR, GREATER NOIDA, U.P.

DATE OF REGISTRATION	24/05/2013
TITLE	BUILDING INSULATION



DESIGN NUMBER	254216	
CLASS	11-01	
1)RADIUS CORPORATION LTD. 57-58, VARDHMAN NAGAR, RAJ INDIA A REGISTERED COMPANY S	NANDGAON-491441, STATE-CHHATTISGARH,	
DATE OF REGISTRATION	31/05/2013	-
TITLE	JEWELLERY CLASP	
PRIORITY NA		
DESIGN NUMBER	256974	
CLASS	05-05	The second second
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA		
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
PRIORITY NA		遊場·遊島 ·通長 · 清長 · 清長
DESIGN NUMBER	256998	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA		
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	THE TANK
PRIORITY NA		

DESIGN NUMBER			255236		
CLASS			09-01		
1)PRAMIT SANGHAVI AND DE V2 CORP., A PARTNERSHIP FIR MERCHANTS, WHOSE ADDRESS IS WZ-8/1, 110015, INDIA	M, INI	DIAN, MANUFA	CTURERS	S AND	
DATE OF REGISTRATION		1	5/07/2013		1000000
TITLE		]	BOTTLE		
PRIORITY NA					
DESIGN NUMBER		255102			
CLASS		14-03			
1)ABB AB, A SWEDISH COMPA KOPPABERGSVAGEN 2, 721 8			N		
DATE OF REGISTRATION		10/07/2013			
TITLE		COMMUNICATION MODULE FOR ELECTRICITY METERS			
PRIORITY					1047
PRIORITY NUMBER		DATE COUNTRY			
002165183-0001		11/01/2013 OHIM			
DESIGN NUMBER		252624			
CLASS		13-03		0.7	
1)TLV CO., LTD. A JAPANESE 881, NAGASUNA, NOGUCHIC			HYOGO 6	758511, JAPAN	
DATE OF REGISTRATION		22/03/2013		V	
TITLE		LIMIT SWITCH			
PRIORITY					
PRIORITY NUMBER		DATE	COU	JNTRY	
2012-023378		26/09/2012	JAP	AN	0

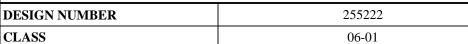
DESIGN NUMBER	256185	
LASS 09-07		
PHASE 2, NEW DELHI-110020, IN	, OF A-97/2, OKHLA INDUSTRIAL AREA, DIA, UNDER THE COMPANIES ACT, 1956, OF THE	
DATE OF REGISTRATION	03/09/2013	
TITLE	CAP OF BOTTLE	
PRIORITY NA		
DESIGN NUMBER	256975	
CLASS	05-05	
KANJURMARG (WEST), OPP. HUM INDIA	AT HANUMAN SILK MILL COMPOUND, IA MALL, MUMBAI-400078 MAHARASHTRA,	14000011 101
DATE OF REGISTRATION	30/09/2013	NUMBER OF STREET
TITLE	7	
PRIORITY NA		STATE OF STA
DESIGN NUMBER	254296	
CLASS	12-16	
1)RENAULT TRUCKS, A COMP FRANCE, OF 99 ROUTE DE LYON, 69800	ANY ORGANIZED UNDER THE LAWS OF SAINT PRIEST, FRANCE	
DATE OF REGISTRATION	E OF REGISTRATION 06/06/2013	
TITLE	FITTING FOR REARVIEW MIRROR	
PRIORITY NA		8

DESIGN NUMBER	254368
CLASS	12-16
	OMPANY ORGANIZED AND EXISTING FATES OF AMERICA, HAVING ITS OFFICE

1)FORD MOTOR COMPANY A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS OFFICE AT DEARBORN, COUNTY OF WAYNE, STATE OF MICHIGAN, UNITED STATES OF AMERICA, AND FORD OTOMOTIV SANAYI ANONIM SIRKETI A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF REPUBLIC OF TURKEY, HAVING ITS OFFICE AT

AKPINAR MAHALLESI, HASAN BASRI CADDESI NO. 2, SANCAKTEPE, ISTANBUL, TURKEY

DATE OF REGISTRATION	06/06/2	2013
TITLE	VEHICLE UPP	ER GRILLE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/443,888	23/01/2013	U.S.A.



## 1)ROOTS INDUSTRIES INDIA LIMITED., (A COMPANY INCORPORATED UNDER THE PROVISIONS OF THE INDIAN COMPANIES ACT, 1956),

HAVING ADDRESS OF REGISTERED OFFICE AT R.K.G. INDUSTRIAL ESTATE, GANAPATHY, COIMBATORE-641006, TAMILNADU, INDIA

DATE OF REGISTRATION	15/07/2013	
TITLE	CHAIR	



#### PRIORITY NA

DESIGN NUMBER	253244
CLASS	07-07

## 1)JOYFUL PLASTICS PRIVATE LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT

 $20,\,\mathrm{A/F},\,\mathrm{NEW}$ EMPIRE INDUSTRIAL ESTATE, KONDIVITA ROAD, J.B. NAGAR, ANDHERI (E), MUMBAI-400059, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS

DATE OF REGISTRATION	18/04/2013		
TITLE	RACK STAND		



DESIGN NUMBER		256791	
CLASS	12-16		1
1)HONDA MOTOR CO., LTD., A J. 1-1, MINAMI-AOYAMA 2-CHOMI			
DATE OF REGISTRATION	26/09/2013		
TITLE	REAR BUMPE	R FOR AUTOMOBILE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-007895	09/04/2013	JAPAN	
DESIGN NUMBER		243920	
CLASS		06-09	
1)PEPS INDUSTRIES PVT. LTD. NO. 7/83 (S.F.NO. 192), UTHUPAL 641 417	AYAM ROAD, ARAS	SUR POST, COIMBATORE-	AAAA
DATE OF REGISTRATION	16/03/2012		
TITLE	MATTRESS		
PRIORITY NA			
DESIGN NUMBER		256994	
CLASS	05-05		XXXXXX
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UNDI ACT, 1956, AND HAVING ITS'S REC RELIABLE HOUSE, SITUATED A' KANJURMARG (WEST), OPP. HUMA INDIA	ER THE PROVISION GISTERED OFFICE I HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30/09/2013		$\infty$
TITLE	TEXTILE FABRIC		
PRIORITY NA			

DESIGN NUMBER	224681	
CLASS	12-16	
1)BRIDGESTONE CORPORAT 10-1, KYOBASHI 1-CHOME, C		
DATE OF REGISTRATION	14/09/2009	The state of the s
TITLE	ITLE RUBBER CRAWLER	
PRIORITY NA		Constanting of the second
DESIGN NUMBER	250143	
CLASS	09-04	
2, UMAKANT PANDIT, UDYO (GUJARAT), INDIA, INDIAN COM	GNAGAR, MAVDI PLOT, RAJKOT-360004 PANY 13/12/2012	HXH
DATE OF REGISTRATION	13/12/2012	
TITLE	CRATE	dad
PRIORITY NA		
PRIORITY NA  DESIGN NUMBER	254239	
	254239 07-01	
DESIGN NUMBER CLASS 1)MA DESIGN INDIA PRIVATI	07-01  LIMITED, A COMPANY INCORPORATED IN PLACE OF BUSINESS AT	
DESIGN NUMBER CLASS  1)MA DESIGN INDIA PRIVATI INDIA HAVING ITS PRINCIPAL	07-01  LIMITED, A COMPANY INCORPORATED IN PLACE OF BUSINESS AT	
DESIGN NUMBER CLASS  1)MA DESIGN INDIA PRIVATI INDIA HAVING ITS PRINCIPAL A-41, SECTOR-80, PHASE-II, N	07-01  E LIMITED, A COMPANY INCORPORATED IN PLACE OF BUSINESS AT OIDA-201305, U.P. INDIA	

DESIGN NUMBER		254628	
CLASS	09-01		
1)CHIVAS HOLDINGS (IP) LIMIT THE LAWS OF SCOTLAND, UNITE 111-113 RENFREW ROAD PAISLI KINGDOM	ED KINGDOM OF TI	HE ADDRESS	NAME OF THE PARTY
DATE OF REGISTRATION	20/06/2013		
TITLE	]	BOTTLE	( Sec. )
PRIORITY			C CAMBRIDE TO
PRIORITY NUMBER	DATE	COUNTRY	Served /
002157651-0001	20/12/2012	OHIM	
DESIGN NUMBER		251137	
CLASS		07-02	
1)DART INDUSTRIES INC., A COL OF DELAWARE, U.S.A. OF 14901 SOUTH ORANGE BLOSSO			
DATE OF REGISTRATION	23/01/2013		
TITLE	CONTAINER FOR FOOD		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/421,566	16/08/2012	U.S.A.	
DESIGN NUMBER		254932	
CLASS	08-99		
1)M/S JAGATSUKH INDUSTRIES LUDHIANA-141013 (PUNJAB) INDI AN INDIAN PROPRIETORSHIP F BEING INDIAN NATIONALS OF THI	A IRM WHOSE PROPRI	,	
DATE OF REGISTRATION	02/07/2013		
TITLE	REEL FOR WINDING HOSE PIPE		
PRIORITY NA			

DESIGN NUMBER	256705
CLASS	15-03

1)M/S DHIMAN INDUSTRIES, 1ST FLOOR, HUNJAN COMPLEX, G.N.E. TO DUGRI, SUA ROAD, LUDHIANA-141003 (PUNJAB) INDIA

AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS SHERANJIT KAUR BEING INDIAN NATIONALS OF THE ABOVE ADDRESS

DATE OF REGISTRATION	24/09/2013
TITLE	BRUSH FOR SUGAR CANE LEAF REMOVER MACHINERY



#### PRIORITY NA

DESIGN NUMBER	256404
CLASS	06-03

1)GODREJ & BOYCE MFG. CO. LTD., AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913,

OF GODREJ INTERIO, PLANT 4, PIROJSHANAGER, VIKHROLI (WEST), MUMBAI-400079, INDIA

DATE OF REGISTRATION	12/09/2013
TITLE	TABLE



#### PRIORITY NA

DESIGN NUMBER	256990
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



DESIGN NUMBER		249374	
CLASS	23-01		
1)BEIJING KOHLER LTD., A COI UNDER THE LAWS OF CHINA, OF NO. 27 WEST GUO YUAN RO P.R.		NIZED AND EXISTING	
DATE OF REGISTRATION	09	0/11/2012	
TITLE	FAU	JCET SET	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201230180880.7	11/05/2012	CHINA	
DESIGN NUMBER	:	254192	
CLASS		12-08	
1)BAYERISCHE MOTOREN WER OF PETUELRING 130, 80809, MU			
DATE OF REGISTRATION	30	0/05/2013	
TITLE	CAR		0 0
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
DE 402012101055.7	06/12/2012	GERMANY	
DESIGN NUMBER		251047	
CLASS		06-01	
1)THE SUPREME INDUSTRIES LTD., (AN INDIAN PUBLIC LIMITED COMPANY), 601, CENTRAL PLAZA, 2/6, SARAT BOSE ROAD, KOLKATA - 700020, WEST BENGAL, INDIA		10 TA	
DATE OF REGISTRATION	21/01/2013		A DESCRIPTION OF THE PARTY OF T
TITLE	CHAIR		
PRIORITY NA		VAND	

DESIGN NUMBER		251895	
CLASS	21-01		
1)[1] TOSY ROBOTICS JOINT ST INCORPORATED UNDER THE LA 538, LANG ROAD, LANG HA PREC VIETNAM AND [2] HO VINH HOA ADDRESS AT, NO. 7, LANE 538, DISTRICT, HANOI, VIETNAM	.WS OF VIETNAM; A CINCT, DONG DA DI NG AN INDIVIDUAL	ADDRESS AT, NO. 7, LA STRICT, HANOI, VIETNAM NATIONAI	ı;
DATE OF REGISTRATION	2	7/02/2013	
TITLE	HUMANO	OID ROBOT TOY	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/430,657	28/08/2012	U.S.A.	
DESIGN NUMBER		253740	
CLASS		02-01	
1)UNICHARM CORPORATION, 0 182, SHIMOBUN, KINSEI-CHO, S NATIONALITY: JAPAN		EHIME 799-0111, JAPAN	1;
DATE OF REGISTRATION	09	9/05/2013	- 12 C
TITLE	DISPOS	ABLE DIAPER	
PRIORITY			The state of the s
PRIORITY NUMBER	DATE	COUNTRY	
2012-027506	11/11/2012	JAPAN	
DESIGN NUMBER		254090	
CLASS		09-01	
1)MEADWESTVACO CALMAR ( ERNST-STENNER-STRASSE 17,		ANY	
DATE OF REGISTRATION	27/05/2013		
TITLE	DISPENSER		1
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	( - R/X
002143842	28/11/2012	OHIM	(275)

DESIGN NUMBER		255705	
CLASS	07-01		
1)DUNOON CERAMICS HOLDIN EXISTING UNDER THE LAWS OF OF THE ADDRESS UNIT 5, WAL STAFFORDSHIRE ST15 ORY REINO	UNITED KINGDOM TON INDUSTRIAL ES	,	
DATE OF REGISTRATION	07	7/08/2013	
TITLE		MUG	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	7
002182188-0001	11/02/2013	OHIM	
DESIGN NUMBER		254366	- U10000
CLASS		12-16	-
OF AMERICA, AND FORD OTOMOTIV SANAYI ANONIM SIRKETI A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF REPUBLIC OF TURKEY, HAVING ITS OFFICE AT AKPINAR MAHALLESI, HASAN BASRI CADDESI NO. 2, SANCAKTEPE, ISTANBUL, TURKEY			
DATE OF REGISTRATION	06/06/2013		
TITLE	VEH	ICLE ROOF	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/443,888	23/01/2013	U.S.A.	<b>」</b>
DESIGN NUMBER	254556		
CLASS	10-05		
1)ELECTROLAB (INDIA) PVT. LTD. (AN INDIAN PRIVATE LIMITED COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956), OF 401, TIRUPATI UDYOG, I. B. PATEL ROAD, OFF. WESTERN EXTRESS HIGHWAY, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	18/06/2013		
TITLE	TESTING INSTRUMENT OF GRANULE FRIABILITY TESTER		
PRIORITY NA			

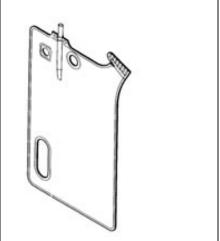
DESIGN NUMBER	253480
CLASS	24-02
1)KIMBERLY-CLARK WORLDWIDE, INC,	

2300 WINCHESTER ROAD, NEENAH, WISCONSIN 54956, USA

DATE OF REGISTRATION	29/04/2013
TITLE	BODY FLUID COLLECTION CONTAINER



1111011111		
PRIORITY NUMBER	DATE	COUNTRY
29/435869	30/10/2012	U.S.A.



DESIGN NUMBER	256790
CLASS	26-06

#### 1)HONDA MOTOR CO., LTD., A JAPANESE CORPORATION, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556

**JAPAN** 

DATE OF REGISTRATION	26/09/2013	
TITLE	REAR COMBINATION LAMP FOR AUTOMOBILE	



PRIORITY NUMBER	DATE	COUNTRY
2013-007893	09/04/2013	JAPAN



DESIGN NUMBER	256993		
CLASS	05-05		

#### 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, **INDIA** 

DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		



DESIGN NUMBER		254724			
CLASS		07-01			
1)MA DESIGN INDIA PRIVATE INDIA HAVING ITS PRINCIPAL I A-41, SECTOR-80, PHASE-II, NO	PLACE	OF BUSINESS	SAT	ORPORATED IN	
DATE OF REGISTRATION		25/06/2013			
TITLE		BOWL			
PRIORITY NA	'				
DESIGN NUMBER			254831		
CLASS		20-01			9
INDIAN WHOSE ADDRESS IS H.NO. 12-13-1152/3, STREET NO ANDHRA PRADESH, INDIA  DATE OF REGISTRATION	). 11, T.	· 			
TITLE		27/06/2013 BEVERAGE VENDING MECHINE			
PRIORITY NA		BEVERNOE	V LI (DII)	O MEETINE	
DESIGN NUMBER		251141			
CLASS		07-02			
1)DART INDUSTRIES INC., A CO OF DELAWARE, U.S.A. OF 14901 SOUTH ORANGE BLOSSO					
DATE OF REGISTRATION		23/01/2013			
TITLE		CONTAINER FOR FOOD			
PRIORITY					
PRIORITY NUMBER		DATE	CO	DUNTRY	
29/421,570		16/08/2012	U.	S.A.	

DESIGN NUMBER	2	255606	
CLASS		14-02	
1)RICOH COMPANY, LTD., 3-6, NAKAMAGOME 1-CHOME, U JAPANESE CORPORATION	OHTA-KU, TOKYO 14	-3-8555, JAPAN, A	
DATE OF REGISTRATION	01	/08/2013	TO THE TOTAL TO
TITLE		IER OF IMAGE FORMING PARATUS	A LITTER TO THE PARTY OF THE PA
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-010888	17/05/2013	JAPAN	
DESIGN NUMBER		255218	
CLASS		15-01	
1)SANJIV KUMAR GUPTA, WHO B-83, APIE, BALANAGAR, PO-SA AND WHOSE NATIONALITY IS IND	COES.		
DATE OF REGISTRATION	15/07/2013		
TITLE	FRONT CO	VER FOR MOTOR	
PRIORITY NA			and the
DESIGN NUMBER	2	254939	
CLASS		12-08	
1)GREAT WALL MOTOR COMPA ORGANIZED AND EXISTING UND NO. 2266 CHAOYANG SOUTH A	or Company Limited		
DATE OF REGISTRATION	02	/07/2013	And the second second
TITLE		CAR	AA
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		Perspective year
201330008512.9	11/01/2013 CHINA		

DECICAL NUMBER		252640	1
DESIGN NUMBER	253649		-
CLASS  1)THE PROCTER & GAMBLE CO	LASS 24-04  1)THE PROCTER & GAMBLE COMPANY, A BODY CORPORATE		
INCORPORATED UNDER THE LAY HAVING ITS REGISTERED OFFIC ONE PROCTER & GAMBLE PLAZ STATES OF AMERICA	WS OF UNITED STA E AT	ATES OF AMERICA,	
DATE OF REGISTRATION	0.	3/05/2013	
TITLE	SANIT	'ARY NAPKIN	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/436,514	06/11/2012	U.S.A.	
DESIGN NUMBER		253824	
CLASS		13-03	
AE EINDHOVEN, WHOSE FOST-OFF AE EINDHOVEN, THE NETHERLAN DATE OF REGISTRATION	ICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 DS 14/05/2013		
TITLE	CONTROL PANEL		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002135897-0003	14/11/2012	OHIM	
DESIGN NUMBER	254025		
CLASS	12-14		
1)MR. HARISH BATRA (DIRECTO KNIGHT QUEEN INDUSTRIES PVT A-14, 1ST FLOOR, WAZIRPUR IN	Γ. LTD. (INDIAN) W	HOSE ADDRESS IS	
DATE OF REGISTRATION	22/05/2013		C - 20
TITLE	AUTO RICKSHAW		
PRIORITY NA			

DESIGN NUMBER	251267
CLASS	06-01

## 1)THE SUPREME INDUSTRIES LTD., (AN INDIAN PUBLIC LIMITED COMPANY),

601, CENTRAL PLAZA, 2/6, SARAT BOSE ROAD, KOLKATA - 700020, WEST BENGAL, INDIA

DATE OF REGISTRATION	29/01/2013
TITLE	TABLE



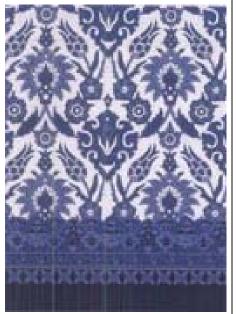
#### PRIORITY NA

DESIGN NUMBER	256991
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

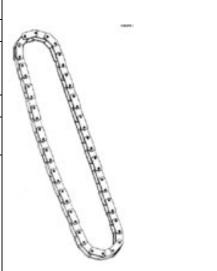
RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER		250240
CLASS	15-04	
1) M/S CATERPILLAR INC.; AN AMERICAN CORPORATION, OF THE ADDRESS 100 NE ADAMS STREET, PEORIA, IL 61269, UNITED STATES OF AMERICA		,
DATE OF REGISTRATION	17/12/2012	
TITLE	CHAIN OF TRACK LINKS FOR MOBILE EARTHMOVING MACHINE	
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/426,089	29/06/2012	U.S.A.



DESIGN NUMBER	254884	
CLASS	10-04	STATE OF THE PERSON NAMED IN
1)CADENCE ELECTRONIC SYST PLOT NO 4, LUXMI NAGAR, OPI INDIA	TEMS, P. SECTOR-9, AMBALA CITY, HARYANA,	
DATE OF REGISTRATION	01/07/2013	The second second
TITLE	COMPRESSION UNIT HOUSING OF MOISTURE METER	
PRIORITY NA		
DESIGN NUMBER	255114	
CLASS	08-05	9
VENKATAGIRI VAGHUL,	KRISHNAN VENKATAGIRI, 2. KRAMADHATI HITEFIELD, KONDAPUR, HYDERABAD-500008, INDIAN NATIONAL	
DATE OF REGISTRATION	10/07/2013	
ITLE SOLDERING DEVICE		
PRIORITY NA		
DESIGN NUMBER	251887	
CLASS	14-03	
1)NITIN VATS S/O, MR. O.P SHARM, 41/26 J 23, MEERUT-250001, UTTAR PRADESH	NEHRU NAGAR, STREEET NO 5, GARH ROAD, I INDIA,	7/ /
DATE OF REGISTRATION	26/02/2013	
TITLE	TRANSPARENT INCLINED DUAL SCREEN COMPUTER DISPLAY	

PRIORITY NA

DESIGN NUMBER	255001	
CLASS	ASS 26-05	
INDIAN COMPANIES ACT, 1956, HA	, A COMPANY INCORPORATED UNDER VING PLACE OF BUSINESS BANJARA HILLS HYDERABAD-500034,	0 0
DATE OF REGISTRATION	04/07/2013	
TITLE	SOLAR LED STREETLIGHT	
PRIORITY NA		
DESIGN NUMBER	252151	
CLASS	23-02	
ADDRESS	TURERS AND MERCHANTS, OF THE TURAKITA-KU, KITAKYUSHU-SHI, FUKUOKA	
DATE OF REGISTRATION	06/03/2013	
TITLE	WATER CLOSET	
PRIORITY NA		A
DESIGN NUMBER	253610	
CLASS	09-07	
1)SHIV SHANKAR SETH AN INDIA J-34, LAJPAT NAGAR-3, NEW DEI	AN NATIONAL WHO HAS HIS ADDRESS AS LHI-110024, INDIA	
DATE OF REGISTRATION	01/05/2013	
TITLE	BOTTLE CAP	NE.
PRIORITY NA		

DESIGN NUMBER		251456	
CLASS	10-06		
1)EMERSON ELECTRIC CO., A C LAWS OF THE STATE OF MISSON 8000, WEST FLORISSANT, ST. L AMERICA	J <b>RI</b> ,		
DATE OF REGISTRATION	06	5/02/2013	
TITLE	UNDERGROUND	UTILITY LINE LOCATOR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/429131	07/08/2012	U.S.A.	
DESIGN NUMBER		254087	
CLASS		09-01	
1)MEADWESTVACO CALMAR ( ERNST-STENNER-STRASSE 17,		ANY	
DATE OF REGISTRATION	27	7/05/2013	
TITLE	DISPENSER		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		OK.
002143842	28/11/2012	OHIM	
DESIGN NUMBER		254652	
CLASS	12-16		
1)SCANIA CV AB, A SWEDISH C SE-151 87, SÖDERTÄLJE, SWED			
DATE OF REGISTRATION	21/06/2013		
TITLE	MIDDLE REAR BUMPER COVER FOR VEHICLES		
PRIORITY	,		A CONTRACTOR OF THE CONTRACTOR
PRIORITY NUMBER	DATE	COUNTRY	
201330035637.0	31/01/2013 CHINA		

DESIGN NUMBER	255316
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	18/07/2013
TITLE	PHOTO FRAME



#### PRIORITY NA

DESIGN NUMBER	255582
CLASS	23-02

### 1)DEEPAM PALM DISH, SMALL SCALE INDUSTRIAL UNIT, REGISTERED UNDER MSME ACT, WHOSE ADDRESS IS

DEEPAM PALM DISH, MAPCO ROAD, ST. THOMAS STREET, KURIACHIRA, THRISSUR-6, KERALA AND NATIONALITY IS INDIAN

DATE OF REGISTRATION	31/07/2013
TITLE	SOAP DISH



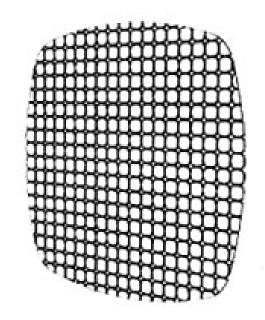
#### PRIORITY NA

DESIGN NUMBER	252990
CLASS	05-06

# 1)BÜRKERT WERKE GMBH, A COMPANY ORGANIZED UNDER THE LAWS OF GERMANY,

OF CHRISTIAN-BÜRKERT-STRAßE 13-17, 74653 INGELFINGEN, GERMANY

DATE OF REGISTRATION	10/04/2013
TITLE	SHEET MATERIAL



#### PRIORITY

11101111		
PRIORITY NUMBER	DATE	COUNTRY
002117895	12/10/2012	EUROPEAN UNION

DESIGN NUMBER		255042	
CLASS		12-08	
1)BAYERISCHE MOTOREN WER OF PETUELRING 130, 80809, MUI			
DATE OF REGISTRATION	(	05/07/2013	
TITLE		CAR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	and the same of th
DE 402013100078.3	22/01/2013	GERMANY	
DESIGN NUMBER		255117	
CLASS		07-02	
1)GURINDER SINGH, AN INDIAN NATIONAL, SOLE PROPRIETOR OF R. S. INDUSTRIES (INDIA), AN INDIAN SOLE PROPRIETARY FIRM, 1276, HSIIDC RAI, SONIPAT [HARYANA], INDIA			
DATE OF REGISTRATION	10/07/2013		
TITLE	GAS-STOVE		
PRIORITY NA			
DESIGN NUMBER		252150	
<b>CLASS</b> 23-02			
1)TOTO LTD., A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, MANUFACTURERS AND MERCHANTS, OF THE ADDRESS 1-1, NAKASHIMA 2-CHOME, KOKURAKITA-KU, KITAKYUSHU-SHI, FUKUOKA 802-8601, JAPAN			
DATE OF REGISTRATION	06/03/2013		
TITLE	WATER CLOSET		
PRIORITY NA			A

DESIGN NUMBER		254169	
CLASS		03-01	
1)SANTEN PHARMACEUTICA 9-19, SHIMOSHINJO 3-CHOMI 5338651, JAPAN			SAKA
DATE OF REGISTRATION		29/05/2013	
TITLE	CONTAINE	R FOR INTRAOCULAR LE	NS
PRIORITY	- 1		
PRIORITY NUMBER	DATE	COUNTRY	
29/438,505	30/11/2012	U.S.A.	
DESIGN NUMBER		247729	
CLASS		23-02	
LAWS OF THE STATE OF WISCONSIN, UNITED STATES OF AMERICA WHO ARE AMERICAN BY NATIONALITY AND WHOSE ADDRESS IS  444 HIGHLAND DRIVE, KOHLER, WISCONSIN, 53044, UNITED STATES OF AMERICA			
DATE OF REGISTRATION		06/09/2012	W: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
TITLE	SHO	WER WITH SPEAKER	
PRIORITY	1		
PRIORITY NUMBER	DATE	COUNTRY	
29/418,868	23/04/2012	U.S.A.	
DESIGN NUMBER		250496	
CLASS		10-04	
1)PROCEQ AG, A CORPORAT OF SWITZERLAND OF THE AD RINGSTRASSE 2, 8603 SCHWI	WS		
DATE OF REGISTRATION		27/12/2012	V BIETE
TITLE		T FOR TESTING OF CARI RAMIC BRAKE DISC	BON
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
139.307	10/10/2012	SWITZERLAND	

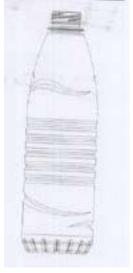
DESIGN NUMBER		253336	
CLASS	19-06		
1)ANCHOR ENTERPRISES PVT. I NEXTGEN, OFF.G.K.MARG, LOWI MAHARASHTRA INDIA, / A PRIVATE LIMITED COMPANY COMPANIES ACT., ABOVE ADDRES	CR PAREL (W), MUN INCORPORATED UI	ABAI-400013 STATE OF	The Harman III
DATE OF REGISTRATION	23	3/04/2013	
TITLE	BALI	POINT PEN	
PRIORITY NA			
DESIGN NUMBER		251694	
CLASS		13-03	
1)AMAZON TECHNOLOGIES, INC A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF UNITED STATES OF AMERICA, HAVING ITS OFFICE AT RENO, NEVADA 89507, PO BOX 8102, UNITED STATES OF AMERICA  DATE OF REGISTRATION 15/02/2013  TITLE POWER ADAPTOR  PRIORITY  PRIORITY NUMBER DATE COUNTRY  29/430,011 20/08/2012 U.S.A.			
DESIGN NUMBER	DESIGN NUMBER 257075		
CLASS	05-05		2
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		
PRIORITY NA			The second second second

DESIGN NUMBER	254072
CLASS	09-01

1)PRAMIT SANGHAVI AND DEWANG SANGHAVI, PARTNERS TRADING AS V2 CORP., A PARTNERSHIP FIRM, INDIAN, MANUFACTURERS AND MERCHANTS,

WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA

DATE OF REGISTRATION	24/05/2013
TITLE	BOTTLE



#### PRIORITY NA

DESIGN NUMBER	256973
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	256997
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER		254213	
CLASS		07-06	7
1)M/S MAYEDASS INTERNATION ROHINI, DELHI-110085 (INDIA) AN INDIAN SOLE PROPRIETORS VINOD BHARDWAJ INDIAN OF ABO	SHIP CONCERN WHO	,	
DATE OF REGISTRATION	3	1/05/2013	li A
TITLE	CUTI	LERY STAND	
PRIORITY NA			
DESIGN NUMBER		254739	
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	2	5/06/2013	
TITLE	TRAY		
PRIORITY NA			
DESIGN NUMBER		250514	
CLASS		14-03	
1)MITSUBISHI ELECTRIC CORP ORGANIZED AND EXISTING UND MANUFACTURERS AND MERCHA 7-3, MARUNOUCHI 2-CHOME, C	ER THE LAWS OF J ANTS, OF THE ADD	JAPAN, RESS	
DATE OF REGISTRATION	28/12/2012		
TITLE	FROUNT PANEL OF THE REMOTE CONTROLLER FOR AIR CONDITIONER		000
PRIORITY		T	_
PRIORITY NUMBER	DATE COUNTRY		
2012-016594	12/07/2012 JAPAN		

DESIGN NUMBER	2	255245	
CLASS		26-05	The state of the s
1)VIBHOR SOGANI, AN INDIAN NATIONAL, OF THE ADDRESS A-47/10, G.F. D.L.F. PHASE-I, GURGAON-122001, HARYANA, INDIA			
DATE OF REGISTRATION	15.	/07/2013	
TITLE	LAN	IPSHADE	
PRIORITY NA			
DESIGN NUMBER	2	253338	
CLASS		19-06	
MAHARASHTRA INDIA, / A PRIVATE LIMITED COMPAN' COMPANIES ACT., ABOVE ADDRE DATE OF REGISTRATION	SS	DER INDIAN /04/2013	
<u> </u>	ı	/04/2013	
TITLE	BALL POINT PEN		
PRIORITY NA			
DESIGN NUMBER	2	251698	
CLASS		13-03	
1)AMAZON TECHNOLOGIES, IN UNDER THE LAWS OF UNITED S AT RENO, NEVADA 89507, PO BOX	TATES OF AMERICA	, HAVING ITS OFFICE	
DATE OF REGISTRATION	15/02/2013		
TITLE	POWER ADAPTOR		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
29/430,011	20/08/2012	U.S.A.	

DESIGN NUMBER	254073	
CLASS	09-01	850
V2 CORP., A PARTNERSHIP FIRM MERCHANTS,	VANG SANGHAVI, PARTNERS TRADING AS I, INDIAN, MANUFACTURERS AND DUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-	
DATE OF REGISTRATION	24/05/2013	
TITLE	BOTTLE	
PRIORITY NA		
DESIGN NUMBER	257076	
CLASS	05-05	* * * * * * *
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	是洲党洲党洲党》
TITLE	TEXTILE FABRIC	COCCOSOROROROROROROROROROROROROROROROROR
PRIORITY NA		
DESIGN NUMBER	255306	
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		AC-V
DATE OF REGISTRATION	18/07/2013	
TITLE	CHEESEBOARD	
PRIORITY NA		

DESIGN NUMBER	250151	
CLASS	28-03	

# 1)CREATIVE NAIL DESIGN, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF USA, OF

1125 JOSHUA WAY VISTA, CALIFORNIA 92081, U.S.A.

DATE OF REGISTRATION	13/12/2012	
TITLE	NAIL PRODUCT CURING LAMP	



PRIORITY NUMBER	DATE	COUNTRY
29/424, 673	14/06/2012	U.S.A.

DESIGN NUMBER	254865	
CLASS	31-00	

### 1)M/S. MODERN PLASTIC. (COMPANY REGISTERED UNDER COMPANIES ACT, 1956) OF

GALA NO 2 A, SINGH COMPOUND OSHIWARA, NAVPADA ROAD, OFF S.V. ROAD, JOGESHWARI (W), MUMBAI-400102, MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/06/2013	
TITLE	MIXER BODY	



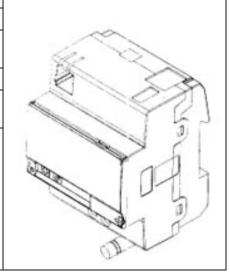
#### PRIORITY NA

DESIGN NUMBER	255104	
CLASS	14-03	
1)ABB AB, A SWEDISH COMPANY OF KOPPABERGSVAGEN 2 721 83 VASTER AS SWEDEN		

DATE OF REGISTRATION	10/07/2013	
TITLE	COMMUNICATION MODULE FOR ELECTRICITY METERS	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002165183-0003	11/01/2013	OHIM



DESIGN NUMBER		257071	
CLASS		05-05	0 0 0 0 0 0 0 0 0
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REC RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA			
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		***************************************
PRIORITY NA			
DESIGN NUMBER		255646	
CLASS		08-06	
PROPRIETOR OF JANKI DIE-CAS' HAVING PLACE OF BUSINESS AT-PLOT NO. 834, AJI INDUSTRI MUNICIPAL WORKSHOP, BHAVNA DATE OF REGISTRATION TITLE PRIORITY NA	AL AREA, NR; SITA GAR ROAD, RAJKO 0	RAM WAY BRIDGE, OPP:	
DESIGN NUMBER		250411	
CLASS		10-06	
1)ASSA ABLOY HOSPITALITY, II INCORPORATED UNDER THE LAY AT 631, INTERNATIONAL PARKWA DATE OF REGISTRATION	WS OF USA HAVING Y, SUITE 100, RICHA	G REGISTERED OFFICE	
TITLE	SIGNAL INDICATOR SET		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
29/425,481	22/06/2012 U.S.A.		
	I .		

DESIGN NUMBER		252751			
CLASS		23-02			
1)KOHLER CO., A COMPAN OF USA, OF 444 HIGHLAND DRIVE, I AMERICA					
DATE OF REGISTRATION		02/04/2013		/2013	
TITLE		FLUSH HANDLE		IANDLE	
PRIORITY		_			
PRIORITY NUMBER		DATE		COUNTRY	
29/433,633		02/10/20	012	U.S.A.	
DESIGN NUMBER		251848			
CLASS			09-	03	
1)ADM21 CO., LTD. A KOREAN CORPORATION, 607, HAKDANG-RI, CHEONGYANG-EUP, CHEONGYANG-GUN, CHUNGCHEONGNAM-DO, REPUBLIC OF KOREA					
DATE OF REGISTRATION		25/02/2013		/2013	
TITLE	-	PACKAGING CONTAINER FOR WIPERS OF AUTOMOBILES			
PRIORITY			T		8
PRIORITY NUMBER	DATE	E COUNTRY			630
30-2012-0044134	13/09/2	9/2012 REPUBLIC OF KOREA		OF KOREA	
DESIGN NUMBER		251450		450	
CLASS		15-99		99	
1)SPRAY ENGINEERING DE INCORPORATED UNDER THI HAVING ITS REGISTERED OF PLOT NO. 25, INDUSTRIAL INDIA	E PROV	VISIONS O AT	F THE CON	MPANIES ACT, 1956,	
DATE OF REGISTRATION		06/02/2013		/2013	
TITLE		EVAPORATIVE CONDENSER		E CONDENSER	
PRIORITY NA					

DESIGN NUMBER		249774	
CLASS		14-03	
1)APPLE INC., 1 INFINITE LOOP, CUPERTINO, AMERICA, A CORPORATION INCO			
DATE OF REGISTRATION	29/11/2012		
TITLE	MOB	ILE PHONE	
PRIORITY	1		
PRIORITY NUMBER	DATE	COUNTRY	
29/423,180	29/05/2012	U.S.A.	
DESIGN NUMBER	_	254071	
CLASS		09-01	5-9
MERCHANTS, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI- 110015, INDIA  DATE OF RECISTRATION.			V12221A
DATE OF REGISTRATION	2/	1/05/2013	
TITLE	E	BOTTLE	
PRIORITY NA			WAXIII
DESIGN NUMBER		257074	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUM INDIA	DER THE PROVISION CGISTERED OFFICE AT HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	X X X X X
DATE OF REGISTRATION	30	0/09/2013	
TITLE	TEXT	TLE FABRIC	00000
PRIORITY NA	1		2 20 00 00 00 00 00 00 00 00 00 00 00 00

DESIGN NUMBER		254784	
CLASS		24-01	
1)PTT GLOBAL CHEMICAL PUB INCORPORATED UNDER THE LA 555/1, ENERGY COMPLEX, BUIL RANGSIT ROAD, CHATUCHAK, BA	<b>WS OF THAILAND</b> ( DING A, 14TH-18TH	MITED, A COMPANY OF FLOOR, VIBHAVADI	
DATE OF REGISTRATION		5/06/2013	
TITLE	LABORAT	ORY GLASSWARE	
PRIORITY PRIORITY NUMBER 1202003478	DATE 27/12/2012	COUNTRY THAILAND	
DESIGN NUMBER		251167	
CLASS		23-04	
UNDER THE LAWS OF THE STATAMERICA WHO ARE AMERICAN 1525 HOWE STREET, RACINE, WAMERICA DATE OF REGISTRATION TITLE PRIORITY	BY NATIONALITY TISCONSIN 53403-223	AND WHOSE ADDRESS I	S
PRIORITY NUMBER	DATE	COUNTRY	
29/427,993	24/07/2012 U.S.A.		
		1	
DESIGN NUMBER	237636		
CLASS		09-01	5
1)MS MARIE C.GELIN 9002 CEDAR GROVE RD FAIRBU	JRN GA 30213		
DATE OF REGISTRATION	29/06/2011		
TITLE	CONTAINER FOR PERSONAL HYGIENE PRODUCT		
PRIORITY NA			

DATE OF REGISTRATION	30	0/09/2013	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	ER THE PROVISION GISTERED OFFICE T HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
CLASS		05-05	
DESIGN NUMBER		256995	
40 2012 003 658.7	09/08/2012	GERMANY	
PRIORITY NUMBER	DATE	COUNTRY	Control of the
PRIORITY			Was on Light
TITLE	SWITCHGEAR CABINET		W 2 11
COMPANY  DATE OF REGISTRATION	3	1/01/2013	
1)SSB WIND SYSTEMS GMBH & NEUENKIRCHENER STRASSE 13		N, GERMANY, A GERM	IAN AN
CLASS		13-03	
DESIGN NUMBER		251347	
PRIORITY NA			
TITLE		CHAIR	
DATE OF REGISTRATION	15	5/07/2013	
UNDER THE PROVISIONS OF THE HAVING ADDRESS OF REGISTE GANAPATHY, COIMBATORE-64100	CINDIAN COMPANI RED OFFICE AT R.K.	<b>ES ACT, 1956),</b> .G. INDUSTRIAL ESTAT	TE,
CLASS  1)ROOTS INDUSTRIES INDIA LII			
DESIGN NUMBER	255223		