

पेटेंट कार्यालय  
का  
शासकीय जर्नल

OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE

---

निर्गमन सं. 08/2013  
ISSUE NO. 08/2013

शुक्रवार  
FRIDAY

दिनांक: 22/02/2013  
DATE: 22/02/2013

---

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**

22<sup>ND</sup> FEBRUARY, 2013

## CONTENTS

<b>SUBJECT</b>	<b>PAGE NUMBER</b>
<b>JURISDICTION</b>	: <b>4807 – 4808</b>
<b>SPECIAL NOTICE</b>	: <b>4809 – 4810</b>
<b>EARLY PUBLICATION (DELHI)</b>	: <b>4811 – 4816</b>
<b>EARLY PUBLICATION (MUMBAI)</b>	: <b>4817 – 4818</b>
<b>EARLY PUBLICATION (CHENNAI)</b>	: <b>4819 – 4821</b>
<b>EARLY PUBLICATION (KOLKATA)</b>	: <b>4822</b>
<b>PUBLICATION AFTER 18 MONTHS (DELHI)</b>	: <b>4823 – 5112</b>
<b>PUBLICATION AFTER 18 MONTHS (MUMBAI)</b>	: <b>5113 – 5234</b>
<b>PUBLICATION AFTER 18 MONTHS (KOLKATA)</b>	: <b>5235 – 5246</b>
<b>AMENDMENT UNDER SEC. 57 (KOLKATA)</b>	: <b>5247</b>
<b>PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (DELHI)</b>	: <b>5248</b>
<b>PUBLICATION U/S 60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (CHENNAI)</b>	: <b>5249 – 5250</b>
<b>PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (DELHI)</b>	: <b>5251 – 5254</b>
<b>PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (MUMBAI)</b>	: <b>5255</b>
<b>PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (CHENNAI)</b>	: <b>5256 – 5257</b>
<b>PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (KOLKATA)</b>	: <b>5258 – 5259</b>
<b>INTRODUCTION TO DESIGN PUBLICATION</b>	: <b>5260</b>
<b>COPYRIGHT PUBLICATION</b>	: <b>5261</b>
<b>REGISTRATION OF DESIGNS</b>	: <b>5262 - 5286</b>

**THE PATENT OFFICE  
KOLKATA, 22/02/2013**

**Address of the Patent Offices/Jurisdictions**

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

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

Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)  
[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

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

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

पेटेंट कार्यालय  
कोलकाता, दिनांक 22/02/2013  
कार्यालयों के क्षेत्राधिकार के पते  
विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ  
नीचे दिए गए हैं :-

<p><b>1</b></p> <p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत. फोन: (91)(22) 24123311 फैक्स: (91)(22) 24123322 ई.मेल: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	<p><b>4</b></p> <p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु इंगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई.मेल: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a> ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्ष्मीप</p>
<p><b>2</b></p> <p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387 ई.मेल: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a> ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	<p><b>5</b></p> <p>पेटेंट कार्यालय कोलकाता (प्रधान कार्यालय), बौद्धिक संपदा भवन, सीपी-2, सेक्टर-V, साल्ट लेक सिटी, कोलकाता- 700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फैक्स/Fax: (91)(33) 2367 1988 ई.मेल: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a> ❖ भारत का अवशेष क्षेत्र</p>
<p><b>3</b></p> <p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075. फोन: (91)(11) 2808 1921-25 फैक्स: (91)(11) 2808 1920, 2808 1940 ई.मेल: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a> ❖ हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>	

वेबसाइट: <http://www.ipindia.nic.in>

[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाएँ, विवरण या अन्य दस्तावेज या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे ।

शुल्क: शुल्क या तो नकद 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 जाहौं उपयुक्त कार्यालय स्थित हैं।

## **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 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.42/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ACIDATTACK CURE WITH AMMONIA AND RED CHILLY ATTACK IN EYE CURE

---

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)PARMANDEEP KAUR</b> Address of Applicant :H.NO. 1605, NANAKSAR, NEAR CIVIL HOSPITAL TARN TARAN, CHAKKI WALI GALI BLOCK - 01 PUNJAB - 143401 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)BALDEV SINGH</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

---

(57) Abstract :

Pre-university young school going girls and young ladies are mostly victims of violent attack of acids. When acid is thrown on body and face, it disfigures face and causes blindness permanently. Skin tissues are damaged before admitting in a hospital hospitalisation is very long process (it takes very long time).long time implies full attack of acid. Consequences are full damage of skin tissues and blindness so it becomes non curable no medicine can cure disfigured face and blindness. Cure needs very short time in any hospital to neutralize chemical reaction before its completion. It is similar to full attack of rabies, tetanus etc which are not curable in any way. But quick cure before the attack is quite possible using corresponding medicines and injections. In the same way compressed ammonia is such a base when sprayed from a light potable bottled neutralizes acid firstly and secondly after spray cools down very much the exothermic acid-base reaction and doesnt let the reaction raise heat which also can damage skin with heat. Lead Acid accumulators can never be banned, there is frequent use of acid in the societies all over the world. In case red powdered chilies in eye take 100ml of cold milk spray ammonia in milk now pour some drops of this solution in eyes immediately opening lids wash out with water again pour some drops of this solution in eyes as above wash with water repeat until eye irritation/pain, itching stops surely within lto2 minutes eyes will be cured.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2012

(21) Application No.489/DEL/2012 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DRUG DELIVERY SYSTEM FOR FINASTERIDE TO PROSTATE

(51) International classification	:B08B
(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 :

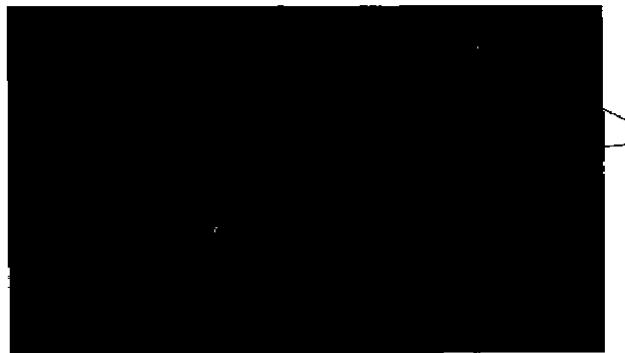
**1)PROFESSOR GUHA, SUJOY KUMAR**  
Address of Applicant :3, MANGLA APARTMENTS, G-BLOCK, KALKAJI, NEW DELHI-110019, INDIA

(72)Name of Inventor :

**1)PROFESSOR GUHA, SUJOY KUMAR**

(57) Abstract :

The present invention relates to drug delivery system for delivery of finasteride to prostate for achieving prevention and treatment of benign prostatic hyperplasia (BPH) comprising styrene maleic anhydride (SMA), dimethyl sulfoxide (DMSO), finasteride complex, and to its process for preparation. In one embodiment, the present invention also relates to drug delivery system for delivery of styrene maleic anhydride to vas deferens for achieving contraception comprising styrene maleic anhydride (SMA), dimethyl sulfoxide (DMSO), finasteride complex, and to its process for preparation.



**Figure 3**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/01/2013

(21) Application No.108/DEL/2013 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A DEVICE FOR RESTRICTING LEG MOVEMENT OF A PERSON

(51) International classification	:A61B 19/12	(71)Name of Applicant : <b>1)Dr. Ramesh Chandra Chhajta</b> Address of Applicant :Officers Colony Kotlanala Solan, Himachal Pradesh, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT// /	(72)Name of Inventor : <b>1)Dr. Ramesh Chandra Chhajta</b>
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for restricting leg movement of a person- Present invention relates to a device for restricting leg movement of a person, such as a prisoner for controlling custodial escapes. The device provides provision for controlling gait movement of a person.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/01/2013

(21) Application No.7/DEL/2013 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DEVELOPMENT OF NANOINDUCED BIOLOGICAL PHOSPHOROUS FERTILIZER (NB-PHOS) USING ASPERGILLUS FLAVUS CZR-2

(51) International classification	:C12N, C05G 5/00	(71) <b>Name of Applicant :</b> <b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b> Address of Applicant :KRISHI BHAWAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001 India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)JAGDISH CHANDRA TARAFDAR</b>
(33) Name of priority country	:NA	<b>2)RAMESH RALIYA</b>
(86) International Application No Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The invention provides a method for the development of nanoinduced biological phosphorous fertilizer that able to enhance native phosphorous availability in rhizosphere and also increase phosphorous use efficiency by plants. The method comprises incubation of fungal biomass with zinc nanoparticles.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/01/2013

(21) Application No.52/DEL/2013 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : LOOP ENGINES -THE PANACEA FOR GLOBAL WARMING & ENERGY NEEDS

(51) International classification	:F01B 29/08	(71) <b>Name of Applicant :</b> <b>1)GAUTAM HARISH</b> Address of Applicant :2-A, LAL NAGAR, MODEL TOWN, JALANDHAR PIN 144003, PUNJAB, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)GAUTAM HARISH</b>
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 :

Science has invented numerous gadgets including technologically advanced engines. It is the backbone of development of the humans on earth. But it is equally tragic that all the means of transportation and engines depend on consumption of oil/gas to run and all these emit dangerous polluting gases. This is something like we are having pleasure at the cost of our own health/environment. We know natural resources are limited and still we are heavily dependent on these resources to temporarily run our engines and also produce very harmful gases for our environment. It seems we, as Science, are on the road with dead end. There is a need to change the way we design our engines. This paper floats the Idea of designing Loop Engines which may be extension of our existing engines. These Loop engines may utilize the emissions of our existing engines as pressure to run the pistons of our engine till we want, that too without any pollution of environment. The loop engines will be something like Heart in human body that requires nothing but appropriate pressure to keep running; similarly the loop engines will need only the loop of adequate pressure of emissions to keep pushing the pistons of engine. Not only in vehicles, but this will best help us in running generators for producing huge amount of electricity with negligible consumption of oil and that too without any emissions till we exhaust pressure to shut down the engine. This seems the right paths for science as it will help us eradicate the problem of global warming caused by emissions and also optimally utilize our natural resources of gas and oil & have sufficient energy.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/01/2013

(21) Application No.90/DEL/2013 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FRESH AIR EVERYWHERE

(51) International classification	:A62B	(71) <b>Name of Applicant :</b> <b>1)PRAJNAN CHAITAN BRAHMACHARI</b> Address of Applicant :LAXMI NARAYAN MANDIR, BHALSWA GAON, DELHI-110033 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PRAJNAN CHAITAN BRAHMACHARI</b>
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 :

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2012

(21) Application No.560/MUM/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NOVEL NON-VIRAL VECTOR FOR DELIVERY OF SMALL INTERFERING RNA.

(51) International classification	:C12N 15/87	(71) <b>Name of Applicant :</b> <b>1)DR. AMBIKANANDAN MISRA</b> Address of Applicant :PHARMACY DEPARTMENT, FACULTY OF TECH & ENGG., THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, P.B.NO.51, KALABHAVAN, VADODARA- 390001, GUJARAT, INDIA. <b>2)MR. NIRAV KHATRI</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DR. AMBIKANANDAN MISRA</b>
(33) Name of priority country	:NA	<b>2)MR. NIRAV KHATRI</b>
(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) Abstract :

Present investigation includes development of novel delivery vectors for intracellular delivery of small interfering RNA. Inorganic nanoparticles-siRNA complex encapsulated liposomal delivery system can be utilized to slice target mRNA using encapsulated siRNA. In-vitro cell line studies can be utilized to confirm the efficacy of prepared novel delivery vector. In-vivo studies in T-cell suppressed mice can be performed to inhibit gene expression of a specific gene using prepared vector system.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2012

(21) Application No.559/MUM/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SMALL INTERFERING RNA NANOCONSTRUCTS FOR CHEMOSENSITIZATION IN THE TREATMENT OF LUNG CANCER.

(51) International classification	:C12N 15/113	(71) <b>Name of Applicant :</b> <b>1)DR. AMBIKANANDAN MISRA</b> Address of Applicant :PHARMACY DEPARTMENT, FACULTY OF TECH & ENGG., THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, P.B.NO.51, KALABHAVAN, VADODARA- 390001, GUJARAT, INDIA. <b>2)MR. NIRAV KHATRI</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DR. AMBIKANANDAN MISRA</b> <b>2)MR. NIRAV KHATRI</b>
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 :

Present investigation deals with development of novel small interfering RNA nanoconstructs for the chemosensitization of Gemcitabine. Lipid based non-viral delivery vectors can be utilized to develop siRNA encapsulated nanoconstructs. Ribonucleotide Reductase subunit-1 (RRM1), a gene responsible for chemoresistance of Gemcitabine, can be targeted using RRM1siRNA to suppress the expression of this gene. In-vitro cell line evaluation in lung carcinoma cell lines can be utilized to confirm the efficacy of prepared nanoconstructs. In-vivo studies in T-cell suppressed mice can be performed to assess the performance of prepared nanoconstructs.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.4505/CHE/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NEW MACHINE USEING THE MAGNETIC LEVERAGE AND PULLING FORCE

(51) International classification	:G01V
(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)G. SIVASUBRAMANIYAN**

Address of Applicant :L 249, R. M. COLONY, DINDIGUL  
Tamil Nadu India

(72)**Name of Inventor :**

**1)G. SIVASUBRAMANIYAN**

(57) Abstract :

The process which is claimed for patent right will eliminate the present powered engines and thereby conserving the natural resources of the Planet Earth. The product shall be a green energy product and shall definitely excel other non-conventional energy sources.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/12/2011

(21) Application No.4539/CHE/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SMART ACTIVE TYRE PRESSURE PRESSURE OPTIMISING SYSTEM THAT ACTS IN INEVITABLE CRITICAL SITUATIONS TO ENHANCE EMERGENCY BREAKING EFFICIENCY, MITIGATE - LOSS OF TRACTION, STABILITY, ROLL OVER, HYDROPLANING, PUNCTURE, OVER AND UNER STEERING

(51) International classification	:B60C	(71) <b>Name of Applicant :</b> <b>1)PRASAD MUTHUKUMAR</b> Address of Applicant :20/66, 2ND STREET, DHARAMANAGAR, SURAMANGALAM, SALEM-5, TAMIL NADU - 636 005 India
(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	

(57) Abstract :

Smart Active Tyre Pressure Optimising System [TPOS] 102 is a highly time sensitive design and technique that instantaneously sense and controls the tire pressure particularly in imminent and inevitable critical driving situations to reduce emergency & high speed breaking distance, mitigate - loss of traction, hydroplaning , roll over or loss of stability, over & under steering, loss of control due to puncture by smartly sensing, perform context aware computing and directing the Tyre Pressure Control Units [TPCU] 104 to instantaneously control the tyre pressure in right time with right pressure on right tyres thereby actively controlling the footprint and sidewall deformation rate to enhance traction and stability ultimately to avoid or reduce the impact of collusion and overcome or mitigate critical situations for protecting the vehicles, occupants, pedestrians and other objects around or on the way; also according to design, configurations and scenarios the system instantaneously optimises the tyre pressure on all tyres for further safe driving till next restoration else restores the pressure to optimum preset value utilising inbuilt reservoir or other external restoration systems immediately after the vehicle overcomes the critical situation to continue with safe and comfortable driving. In critical situations TPOS performs sensing, pre computing, current computing for controlling the tire pressure during critical situation, post computing to optimise tire pressure after overcoming accordingly. TPOS 102 utilise smart and adaptive closed loop processing algorithm with predetermined and tested lookup table to instantaneously check and compare the effects between predetermined and tested real world scenarios to the actual real world scenarios for actively sensing, computing and controlling the tire pressure accordingly to mitigate the critical situations. The controlling of tyre pressure is computed mainly based on parameters comprising of sensor system, vehicle safety and stability systems, nature of breaking & break force, tires upper & lower cut-off pressure values, sensing reservoirs and tires internal & external pressure, temperature, moisture, humidity, wheel & tire specifications, vehicle & wheel speed, acceleration & deceleration, vehicle orientation & axial rotation, transverse motion & lateral acceleration, tires position or angle of attack, load & torque distribution, tire traction, steering position, cornering effects, change in Centre of gravity, over & under steering, hydroplaning, sensing road conditions, etc and to further enhance the efficiency, the system interoperates with vehicles existing systems like ABS, EBD, ESC, TCS, Rollover mitigations systems, ECU, BA, Precrash systems, suspension & vertical dynamics, radar assisted auto breaking, cruise control system, aerodynamics & airbrakes etc. Other aspects of present invention are controlling the tire temperature according to environmental temperature, moisture and humidity thereby to enhance traction and vary tire pressure according to change in centre of gravity & load, driving modes - comfort, standard and sports modes.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2011

(21) Application No.4644/CHE/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INSTANT IDLY DRY MIX BY MICROBIAL FERMENTATION

---

(51) International classification

:A23L1/00

(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)INDIAN INSTITUTE OF CROP PROCESSING**

Address of Applicant :TECHNOLOGY (IICPT), PUDUK  
KOTTAI ROAD, THANJAVUR 613 005 Tamil Nadu India

**2)NATIONAL AGRICULTURAL INNOVATIVE**

**PROJECT**

(72)Name of Inventor :

**1)K. SINGARAVADIVEL**

**2)K. ALAGUSUNDARAM**

---

(57) Abstract :

This invention relates to an instant idli dry mix comprising powdered parboiled rice, black gram dal salt and a dry form powder culture comprising Saccharomyces cerevisiae CEC Y 431.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.1523/KOL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : RAILWAY WAGON WITH MOVABLE UPPER DECK FOR LOADING AND TRANSPORTING VEHICLES

(51) International classification	:B61D 3/00	(71) <b>Name of Applicant :</b> <b>1)TITAGARH WAGONS LIMITED</b> Address of Applicant :PREMLATA BUILDING, 4TH FLOOR, 39, SHAKESPEARE SARANI, KOLKATA-700017, WEST BENGAL, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SYED ABDUL HADI</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention provides a railway wagon (1 A) for loading and transporting vehicles (7) comprising: - at least two decks, a fixed lower deck (3) and a movable upper deck (2), - an underframe (4) to carry the body structure of said railway wagon (1 A), - stanchions (14) , purlins (15), body sides (16), body ends (17) and end doors (18) together defining the superstructure of said railway wagon (1A), and - at least a pair of bogies (6) to form a swivelling undercarriage of said railway wagon (1A), wherein said upper deck (2) comprises at least three movable sections, a front section (8), an intermediate section (9) and a rear section (10); and wherein said movable sections (8,9, 10) of said upper deck being movable independently or together to accommodate vehicles of different heights on said lower deck (3); and wherein said lower deck (3) is depressed to form a well portion (13) between said bogies (6).

No. of Pages : 45 No. of Claims :33

## **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.2348/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :18/08/2011

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN ANTI-TERMITE BIOLOGICAL FORMULATION AND A PROCESS FOR THE PREPARATION THEREOF

---

(51) International classification

:A01J

(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

(57) Abstract :

A biological formulation comprising: 10 to 60% of an aqueous seed extract of cuminum cyminum, 5-30% of essential oil of curcuma aromatic and 10-45% of secondary metabolites isolated from Pseudomonas aeruginosa alongwith not more than 12% of an inert carrier.

No. of Pages : 30 No. of Claims : 7

(71)Name of Applicant :

**1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION MINISTRY OF DEFENCE**

Address of Applicant :DRDO BHAWAN, RAJAJI MARG,  
NEW DELHI 110011, INDIA

(72)Name of Inventor :

**1)ANURAG PANDEY  
2)PRONOBES CHATTOPADHYAY  
3)INDRA BARUAH  
4)LOKENDRA SINGH**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2361/DEL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CELLULAR NETWORK INTERFACE FOR MULTI-FUNCTION DEVICES

---

(51) International classification	:B32D
(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)XEROX CORPORATION**

Address of Applicant :45 GLOVER AVENUE, NORWALK,  
CT 06856-4505, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)NISCHAL MURTHY PIRATLA**

**2)PRATYUSH PRASANNA**

(57) Abstract :

The present disclosure provides a method and a system for connecting a computing device to a multi-function device (MFD) associated with a cellular identification code and an address. A computing device sends a connection request including an access code over a cellular network to access a MFD. The connection request is processed to identify the MFD. Processing includes, comparing the access code with a pre-populated list of cellular identification codes for validation, and determining the IP address corresponding to the validated access code. On determining the IP address of the identified MFD, a cellular data connection is set up between the computing device and the MFD.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9020/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : APPARATUS AND METHODS FOR IMPLEMENTING MULTI-CHANNEL TUNERS

(51) International classification	:H04N 5/50
(31) Priority Document No	:12/456,930
(32) Priority Date	:23/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/031680
Filing Date	:20/04/2010
(87) International Publication No	:WO 2011/005345
(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)COWLEY, NICHOLAS**

**2)ALI, ISAAC**

**3)STEEPER, TERRY**

**4)MARTIN, ALAN J.**

**5)GRUSZKA, DAMIAN**

**6)JOHNSON, ANDREW**

---

(57) Abstract :

Embodiments of systems and methods for implementing multi-channel tuners are generally described herein. Other embodiments may be described and claimed.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9022/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MANUFACTURING APPARATUS OF HOT-ROLLED STEEL SHEET AND MANUFACTURING METHOD OF STEEL SHEET

(51) International classification	:B21B 45/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-167068	<b>1)SUMITOMO METAL INDUSTRIES, LTD.</b>
(32) Priority Date	:15/07/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/060564	(72) <b>Name of Inventor :</b>
Filing Date	:22/06/2010	<b>1)HOSHO, TOMOFUMI</b>
(87) International Publication No	:WO 2011/007648	<b>2)HARAGUCHI, YOICHI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KOBAYASHI, KAZUAKI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provide, in a production line of the hot-rolled steel sheet: a manufacturing apparatus of a hot-rolled steel sheet, and a manufacturing method of a steel sheet, which are excellent in discharging water. The manufacturing apparatus of a hot-rolled steel sheet comprises a final stand, and a cooling apparatus, wherein the final stand comprises a pair of standing side members in a housing of the final stand; the cooling apparatus comprises a plurality of rows of upper surface cooling nozzles which are configured to spray cooling water over an upper surface of the steel sheet, and which are arranged along a transporting direction of the steel sheet; comprises a plurality of rows of lower surface cooling nozzles which are configured to spray cooling water over a lower surface of the steel sheet, and which are arranged along a transporting direction; and comprises an upper surface guide on the upper surface side of the steel sheet; an end portion of the cooling apparatus on a side of the final stand is arranged between the standing side members of the housing; and when defining a width of a uniformly cooled region as W; defining an average gap distance between the end portion of the width of the uniformly cooled region and the standing side member of the housing as Wsw; defining a gravity acceleration rate as g; defining an average water volume density of the width of the uniformly cooled region as Qq; and defining a value determined by Wsw and an average distance h between the upper surface guide and the upper surface of the steel sheet as C, a specific relation is satisfied.

No. of Pages : 55 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9023/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COOLING APPARATUS OF STEEL SHEET, AND MANUFACTURING APPARATUS AND MANUFACTURING METHOD OF HOT-ROLLED STEEL SHEET

(51) International classification	:B21B 45/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-156024	<b>1)SUMITOMO METAL INDUSTRIES, LTD.</b>
(32) Priority Date	:30/06/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/060772	(72) <b>Name of Inventor :</b>
Filing Date	:24/06/2010	<b>1)KOBAYASHI, KAZUAKI</b>
(87) International Publication No	:WO 2011/001898	<b>2)HOSHO, TOMOFUMI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HARAGUCHI, YOICHI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provide, in a production line of a hot-rolled steel sheet: a cooling apparatus of a steel sheet which is excellent in discharging water without hindering the movement of a steel sheet (sheet passing); and a manufacturing apparatus and manufacturing method of a hot-rolled steel sheet. The cooling apparatus 20 of a steel sheet is disposed on a lower process side of a final stand 11g in a row 11 of hot finish rolling mills, and comprises a plurality of cooling nozzles 21c, 22c arranged in a manner capable of cooling a steel sheet 1 being transported on transporting rolls 12, wherein the cooling nozzles are arranged on an upper surface side and a lower surface side of an area in which the steel sheet passes, in a manner capable of spraying cooling water over the area; a lower surface guide 40 is arranged on the lower surface side; the lower surface guide comprises: inlet holes 42 through which cooling water sprayed from the cooling nozzles on the lower surface side passes; and outlet holes 43 through which the cooling water passes, dropping downwardly to be discharged; and the inlet holes and the outlet holes are arranged alternately in a moving direction of the steel sheet.

No. of Pages : 67 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/06/2006

(21) Application No.1348/DEL/2006 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN AIR-CONDITIONED BUS-QUEUE SHELTER WITH SENSORED GLASS DOORS

(51) International classification	:F24 F13/00	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN CONSTRUCTION CORPORATION</b> Address of Applicant :D-12 (BASEMENT), PANCHSHEEL ENCLAVE, NEW DELHI-110017 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KAMAL KUMAR</b>
(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 air-conditioned bus queue shelter (1) comprising a housing (2) provided with walls (3,4,5,6) and a roof (11), at least two of said walls having sliding doors disposed therein, said housing (2) being provided with at least one air-conditioning wall (10) and seats (8).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2325/DEL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD OF COMMUNICATING ACROSS DIFFERENT DOMAINS AND NETWORK APPARATUS

(51) International classification

:H04L

(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)HUAWEI TELECOMMUNICATIONS (INDIA) CO.,  
PVT. LTD.**

Address of Applicant :14TH FLOOR, TOWER C, UNITECH  
CYBER PARK, SECTOR-39, GURGAON, HARYANA -  
122002, INDIA

(72)Name of Inventor :

**1)DHODY, DHRUV  
2)PALLE, UDAYASREE  
3)QUINTIN, ZHAO**

---

(57) Abstract :

The embodiments of the present invention provide a method of communicating across different domains and network apparatus, the method comprising: sending a Path Computation Request message to a Path Computation Element; wherein the Path Computation Request message includes an Include Route Object, and the Include Route Object is used to specify a domain sequence; wherein the Include Route Object includes at least two sub-objects, and the at least two sub-objects identified the different domains. Through the embodiments of the present invention, standard way of representation for domain sequence has been implemented by using sub-object for area.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2326/DEL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD OF COMMUNICATING IN PATH COMPUTATION ELEMENT COMMUNICATION PROTOCOL AND NETWORK APPARATUS

(51) International classification

:H04L

(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)HUAWEI TELECOMMUNICATIONS (INDIA) CO.,  
PVT. LTD.**

Address of Applicant :14TH FLOOR, TOWER C, UNITECH  
CYBER PARK, SECTOR-39, GURGAON, HARYANA -  
122002, INDIA

(72)Name of Inventor :

**1)DHODY, DHRUV  
2)PALLE, UDAYASREE**

(57) Abstract :

The embodiments of the present invention provide a method of communicating in PCEP and network apparatus, the method comprising: receiving a Path Computation Request message; wherein the Path Computation Request message includes a Data Structure object, and the Data Structure object is used to specify the data structure of computed paths; sending a Path Computation Reply message; wherein the Path Computation Reply message includes the computed paths, and the computed paths are based on the Data Structure object. Through the embodiments of the present invention, PCEP should be extended to allow flexibility in use of different data structure based on the use-case and objective function.

No. of Pages : 23 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9026/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A CABINET

(51) International classification	:H05K 7/20
(31) Priority Document No	:0950307-9
(32) Priority Date	:05/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050499
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/128945
(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)SITETEL SWEDEN AB

Address of Applicant :P.O. BOX 7039, S-192 07  
SOLLENTUNA, SWEDEN

(72)Name of Inventor :

1)THOUR, KRISTER

2)KULLBERG, JOHAN

(57) Abstract :

A cabinet for refrigerating electronic equipment positioned in a compartment of a cabinet body, said cabinet further being arranged with a cabinet door for closing an access opening to said compartment; at least one partitioning means for partitioning the compartment into at least two sub-compartments, wherein the at least two sub-compartments are in fluid communication;a cooling system arranged in the cabinet door, the cooling system being in fluid communication with the compartment via a fluid outlet and a fluid inlet, the cooling system comprising a fan for discharging cooling fluid via the fluid outlet into at least a first sub-compartment of said at least two sub-compartments and for exhausting fluid via at least a second sub-compartment of said at least two sub-compartments through the fluid inlet; and at least a gasket for abutting, upon closing the cabinet door, the at least one partitioning means to said cabinet door, thereby hindering fluid to pass between the sub-compartments at the cabinet door, wherein the at least one gasket abuts the at least one partitioning means which partitions the at least one first sub-compartment and the at least one second sub-compartment to said cabinet door.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9035/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SYSTEMS AND METHODS FOR REDUCING MERCURY EMISSION

---

(51) International classification	:B001D 53/64
(31) Priority Document No	:61/176,564
(32) Priority Date	:08/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033830
Filing Date	:06/05/2010
(87) International Publication No	:WO 2010/129743
(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)SOUTHERN RESEARCH INSTITUTE**

Address of Applicant :2000 9TH AVENUE SOUTH,  
BIRMINGHAM, AL 35205, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GALE THOMAS K.**

**2)BLANKENSHIP GEORGE A.**

(57) Abstract :

Described herein are methods for decreasing the amount of mercury in a flue gas that contains mercury through the use of a molecular halogen. Also described are chemical processes for carrying out the methods, and systems for carrying out the chemical processes.

No. of Pages : 22 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2355/DEL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A CONTAINER FILLING MACHINE

(51) International classification	:B23C	(71) <b>Name of Applicant :</b> <b>1)COUNTLAB, INC.</b> Address of Applicant :12180 ALBERT-HUDON BOULEVARD MONTREAL, QUEBEC H1G 3K7, CANADA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)LORIS BASSANI</b>
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 vibration tray assembly for use in a container filling machine, the vibration tray assembly comprising a tray for transporting discrete articles from a receiving end of the tray towards a drop-off end of the tray, the tray providing a slope along which the discrete articles travel from the receiving end of the tray to the drop-off end of the tray, wherein the tray is adjustable for changing the slope along which the discrete articles travel. The vibration tray assembly further comprises a vibration imparting device for imparting vibrational motion to the tray.

No. of Pages : 60 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9005/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMAGE DATA TRANSMISSION APPARATUS, IMAGE DATA TRANSMISSION METHOD, AND IMAGE DATA RECEIVING APPARATUS

(51) International classification	:H04N 13/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-070571	<b>1)SONY CORPORATION</b>
(32) Priority Date	:25/03/2010	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO 1080075, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/JP2011/056861 :22/03/2011	<b>1)ATSUSHI IWAMURA</b> <b>2)HAJIME INOUE</b>
(87) International Publication No	:WO 2011/118592	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To prevent image quality deterioration due to unnecessary format conversion. [Solution] An STB (set top box) 200 receives bit stream data that is transmitted from a broadcast station 100 in such a manner as to be carried on a broadcast wave, and obtains stereoscopic image data, audio data, and the like. Furthermore, the STB 200 transmits the stereoscopic image data and the audio data to the TV (television receiver) 300 through the digital interface of HDMI. In a case where the received stereoscopic image data can be handled by a TV 300 and, furthermore, the TV 300 has requested that transmission of the stereoscopic image data be performed without performing format conversion, the STB 200 does not convert the format of the received image data, and transmits the received image data to the TV 300 in the as-is format. Furthermore, in the case of other cases, the STB 200 converts in advance the format of the received stereoscopic image data into, for example, a format that is set by the user, and transmits the stereoscopic image data to the TV 300.

No. of Pages : 64 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9006/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INFORMATION PROCESSING APPARATUS AND POWER SUPPLY CONTROL CIRCUIT

(51) International classification	:G06F 1/32
(31) Priority Document No	:2010-073229
(32) Priority Date	:26/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/056345
Filing Date	:17/03/2011
(87) International Publication No	:WO 2011/118487
(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)SONY CORPORATION**

Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO, 108-0075, JAPAN

(72)Name of Inventor :

**1)TAKAAKI MORIMURA**

**2)DAISUKE KAWAMOTO**

**3)TAKESHI ENDO**

**4)TAKESHI MASUDA**

**5)ZHONGCHAO LV**

---

(57) Abstract :

Provided is an information processing apparatus including: a power supply control portion that performs control of a power supply; a detection signal emitting portion that, when a connection of an external power source is detected in an operation stand-by state in which power consumption is suppressed and an operation is on stand-by, emits a detection signal only for a certain time period, in accordance with the detection; and a power supply portion that supplies power to the power supply control portion based on the detection signal emitted by the detection signal emitting portion and also stops the power supply to the power supply control portion after a certain time period elapses from the connection in the operation stand-by state.

No. of Pages : 44 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9012/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SURFACTANTS IN AGROCHEMICAL FORMULATIONS

---

(51) International classification	:A01N 25/30
(31) Priority Document No	:61/213,126
(32) Priority Date	:08/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033708
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/129662
(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)CRODA, INC.**

Address of Applicant :300 COLUMBUS CIRCLE, EDISON, NJ 08837, UNITED STATES OF AMERICA

**2)CRODA INTERNATIONAL PLC**

(72)**Name of Inventor :**

**1)TREVOR GRAHAM BLEASE**

**2)GREGORY JAMES LINDNER**

**3)LEE DAVID RICHARDS**

---

(57) Abstract :

Surfactant compounds which include an amine ended polyalkylene glycol hydrophile linked to C22 to C60 mainly hydrocarbyl, particularly composite hydrocarbyl, especially derived from a polymerised fatty acid and/or an aralkyl substituted phenol, hydrophobe, are useful in dispersing solids, particularly active agrochemicals, in aqueous media, or as adjuvants in agrochemical formulations, particularly of water soluble non-selective herbicides. In particular the hydrophobe is derived from polymerised fatty acids, such as dimer and, especially, trimer acids or from aralkyl substituted phenols. Aqueous dispersions using such surfactants can remain stable even with substantial concentrations of electrolyte e.g. in stable agrochemical dispersions including water soluble electrolyte agrochemical, such as glyphosate and/or ammonium sulphate.

No. of Pages : 43 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/07/2010

(21) Application No.1611/DEL/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MANUFACTURING WTG BLADE HAVING A SPAR

(51) International classification	:F03D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PA 2009	<b>1)VESTAS WIND SYSTEMS A/S</b>
	70068	Address of Applicant :Alsvej 21 DK-8940 Randers SV
(32) Priority Date	:17/07/2009	Denmark
(33) Name of priority country	:Denmark	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)Leif Kappel Petersen</b>
Filing Date	:NA	<b>2)Olav Davis</b>
(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 order within the field of wind turbines generators (WTG) 102 e.g. to provide a consistent way of manufacturing a WT blade 110 there is disclosed a blade mould 402 and a blade spar fixture 408 to support the spar 202 in the mould so as to provide a fixed predetermined relative position, and preferably also orientation, between at least a root end, such as a bushing 204 in the root end of the blade spar 202, and a root end of the mould. Overall consistency is also obtained in that hereby a blade with anticipated aerodynamic and strength characteristics is provided, among others in that at least adjacent to the root of the spar there is substantially the same distance for a cured adhesive between an innermost surface 1504 of each of blade shells 304, 306 and an outermost surface 1502 of the spar.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2351/DEL/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SOLID PHARMACEUTICAL COMPOSITION COMPRISING MONTELUKAST

---

(51) International classification	:A61K
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)JUBILANT LIFE SCIENCES LIMITED**

Address of Applicant :PLOT 1A, SECTOR 16A, NOIDA-201  
301, UP, INDIA

(72)**Name of Inventor :**

**1)BHASKAR, RAJESH**

**2)NAIDU, VENKATA RAMANA**

**3)GUPTA, SAURABH**

**4)BHUSHAN, BHARAT**

---

(57) Abstract :

The present invention relates to pharmaceutical composition comprising Montelukast or pharmaceutically acceptable salts thereof prepared by non-aqueous or mixture of aqueous and non-aqueous granulating solvent. Also the process for preparing such composition is provided. The prepared compositions have improved bioavailability when compared with composition prepared by wet granulation using water as granulating solvent or by dry granulation or direct compression method

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9001/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SWELLING PACKER AND METHOD OF CONSTRUCTION

---

(51) International classification	:E21B 33/12
(31) Priority Document No	:12/469,576
(32) Priority Date	:20/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035516
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/135492
(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)BAKER HUGHES INCORPORATED**

Address of Applicant :P.O. BOX 4740, HOUSTON, TX  
77210-4740, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)ROBERT O. CASTILLO**

**2)ANTHONY P. FOSTER**

---

(57) Abstract :

A swelling element packer is made with internal rings that are either split or scrolled. After the swelling element is built on a temporary mandrel a longitudinal seam of a variety of designs is cut through the element. This allows the rapid deployment of the element on the tubular that will be a part of a string and will serve as the final mandrel. The assembly is then magnetic pulse welded or crimped so as to urge the open ends of the rings to move toward each other and become secured to each other and further opening the possibility of attaching parts on the ring itself to the underlying tubular by displacing or otherwise removing the swelling material that was between the ring and the final mandrel when the magnetic pulse process began. The rings can be embedded wholly within the element or can extend beyond the opposed ends or combinations of the two.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9039/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CASB7439 CONSTRUCTS

(51) International classification	:C07K 14/47
(31) Priority Document No	:61/181,380
(32) Priority Date	:27/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057141
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/136443
(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)GLAXOSMITHKLINE BIOLOGICALS S.A.**

Address of Applicant :RUE DE L'INSTITUT 89,  
RIXENSART B-1330 BELGIUM

(72)Name of Inventor :

**1)BLAIS, NORMAND**

**2)HARVEY, MARTINE**

**3)PILORGET, ANTHONY**

**4)RIOUX, CLEMENT**

---

(57) Abstract :

The present disclosure relates to compounds and methods for increasing the recombinant production of CASB7439 polypeptides, and for methods of utilizing the same.

No. of Pages : 125 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9040/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BIOMETRIC IDENTIFICATION METHOD

(51) International classification	:G06K 9/00
(31) Priority Document No	:61/179,122
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/AU2010/000584
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/132928
(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)MIKOH CORPORATION

Address of Applicant :2010 CORPORATION RIDGE, SUITE 700, MCLEAN, VA 22102, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ATHERTON, PETER, SAMUEL

(57) Abstract :

Disclosed is a biometric and cryptographic processing unit (BCU) (103) including a biometric receiver, such as a sensor (104), to at least receive biometric information (105, 105a) of a user of the BCU. A biometric unit (106) of the BCU has a store of biometric information of at least one authorized user of the BCU and at least one processing function to compare received biometric information from the biometric receiver with the stored biometric information to determine if the user is an authorized user of the BCU. A cryptXographic unit (107) is provided for generating and storing at least one asymmetric cryptographic public/private key pair associated with each authorized user of the BCU. the private keys being retained within the cryptographic unit and disabled in a default state, and said public keys being communicable from the BCU for public use in communicating with the BCU. At least one input/output port (109,111) is provided by which encrypted and unencrypted data is input to the BCU and from which the, unencrypted and encrypted data (respectively) is output from the BCU. The cryptographic unit is operative in response to a specific authorized user giving permission (e.g. via input device 120) to undertake a specific cryptographic operation on data input to the BCU only upon the specific authorized user being determined as an authorized user of the BCU by the biometric unit whereby a specific private key corresponding to the specific authorized user is enabled for use in said specific cryptographic operation after which, and other than which, said specific private key is disabled.

No. of Pages : 133 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9024/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COOLING APPARATUS OF STEEL SHEET, MANUFACTURING APPARATUS OF HOT-ROLLED STEEL SHEET, AND MANUFACTURING METHOD OF STEEL SHEET

(51) International classification	:B21B 45/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-156030	<b>1)SUMITOMO METAL INDUSTRIES, LTD.</b>
(32) Priority Date	:30/06/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/060566	<b>1)HOSHO, TOMOFUMI</b>
Filing Date	:22/06/2010	<b>2)HARAGUCHI, YOICHI</b>
(87) International Publication No	:WO 2011/001849	<b>3)KOBAYASHI, KAZUAKI</b>
(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, in a production line of a hot-rolled steel sheet: a cooling apparatus which is excellent in discharging water, a manufacturing apparatus of a hot-rolled steel sheet, and a manufacturing method of a steel sheet. The cooling apparatus of a steel sheet is disposed on a lower process side of a final stand in a row of hot finish rolling mills, and comprises a plurality of cooling nozzles arranged in a manner capable of cooling a steel sheet being transported on transporting rolls, wherein the cooling nozzles are arranged on an upper surface side and a lower surface side of an area in which the steel sheet passes, so as to spray cooling water over the area; and the cooling apparatus comprises a rectifying device which is arranged on an outer side of a width of a region uniformly cooled by the cooling nozzles in a width direction of the steel sheet, so as to rectify discharge of the cooling water sprayed from the cooling nozzles.

No. of Pages : 62 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9025/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING INSULIN RESISTANCE AND DIABETES MELLITUS

(51) International classification	:A61K 9/14	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/173,134	<b>1)REVALESIO CORPORATION</b>
(32) Priority Date	:27/04/2009	Address of Applicant :1200 EAST D STREET TACOMA, WASHINGTON 98421 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/US2010/032620 :27/04/2010	<b>1)WATSON, RICHARD L.</b> <b>2)WOOD, ANTHONY B.</b> <b>3)ARCHAMBEAU, GREGORY J.</b>
(87) International Publication No	:WO 2010/126908	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided are electrokinetically-altered fluids (gas-enriched electrokinetic fluids) comprising an ionic aqueous solution of charge-stabilized oxygen-containing nanostructures in an amount sufficient to provide modulation of at least one of cellular membrane potential and cellular membrane conductivity, and therapeutic compositions and methods for use in treating diabetes and diabetes-associated conditions or disorders (e.g., insulin resistance), or symptoms thereof. Provided are electrokinetically-altered ioinic aqueous fluids optionally in combination with other therapeutic agents. Particular aspects provide for regulating or modulating intracellular signal transduction associated with said inflammatory responses by modulation of at least one of cellular membranes, membrane potential, membrane proteins such as membrane receptors, including but not limited to G-Protein Coupled Receptors (GPCR), and intercellular junctions (e.g., tight junctions, gap junctions, zona adherins and desmasomes). Other embodiments include particular routes of administration or formulations for the electrokinetically-altered fluids (e.g., electrokinetically-altered gas-enriched fluids and solutions) and therapeutic compositions.

No. of Pages : 275 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9062/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METER FOR A DEVICE FOR DISPENSING A FLUID OR POWDER PRODUCT

---

(51) International classification	:G06M 1/04
(31) Priority Document No	:09 52760
(32) Priority Date	:28/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050787
Filing Date	:26/04/2010
(87) International Publication No	:WO 2010/125291
(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)VALOIS S.A.S.

Address of Applicant :B.P.G, LE PRIERE, F-27110 LE NEUBOURG, FRANCE

(72)Name of Inventor :

1)LE JEUNE, ERWANN

(57) Abstract :

The invention relates to a portion meter for counting the number of portions of a fluid or powder product that have been dispensed or that remain to be dispensed from a fluid product dispensing device, wherein said meter comprises a body (460), a rotary counting member assembled in said body (460) on a pin (461) defining the axis of rotation, said rotary counting member interacting with an actuation member (1430) for rotating said rotary counting member upon each actuation of said actuation member (1430), said actuation member (1430) including a means (14301) for attaching to the body (460) arranged on a first side of said pin (461) and a substantially rigid supporting portion (1436) arranged on the second side of said pin (461), wherein said supporting portion (14360) supports an actuation member (1435) such that upon each actuation, the actuation member (1435) is translatable moved, said supporting portion (1436) being connected to said attachment means (14301) by an elastically deformable portion (14341, 14342, 14343) surrounding said pin (461), said supporting portion (1436) extending towards said pin (461) in the form of a substantially rectilinear flexible arm (1431) supporting a lug (14310) capable of interacting with said counting member upon each actuation.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9063/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BACTERIAL COMPOSITIONS FOR PROPHYLAXIS AND TREATMENT OF DEGENERATIVE DISEASE

(51) International classification	:A61K 35/74	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/174,740	<b>1)MICROPHARMA LIMITED</b>
(32) Priority Date	:01/05/2009	Address of Applicant :141 AVENUE DU PRESIDENT KENNEDY, 5TH FLOOR, UQAM, BIOLOGICAL SCIENCES BUILDING, UNIT 5569, MONTREAL, QUEBEC H2X 3Y7, CANADA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CA2010/000660	<b>1)PRAKASH, SATYA</b>
Filing Date	:30/04/2010	<b>2)JONES, MITCHELL LAWRENCE</b>
(87) International Publication No	:WO 2010/124387	<b>3)MARTONI, CHRISTOPHER</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure provides an oral composition for reducing serum cholesterol, serum lipids, body fat, or atherogenic index or for prophylaxis or treatment of atherosclerosis, cardiovascular or cerebrovascular diseases, comprising a highly bsh active bacteria, isolate or supernatant thereof; wherein the highly bsh active bacteria degrades >50µmol glycodeoxycholic acid (GDCA)/gram/hour and >2µmol taurodeoxycholic acid (TDCA)/gram/hour when measured over 1 hour and 5 hours, respectively, or degrades >65 µmol GDCA/g/hr and >7 µmol TDCA/g/hr when measured over 30 minutes.

No. of Pages : 83 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9066/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR PRODUCING A STABLE BORIC SOLUTION

---

(51) International classification	:C10M 125/26
(31) Priority Document No	:0950323-6
(32) Priority Date	:08/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050510
Filing Date	:10/05/2010
(87) International Publication No	:WO 2010/134872
(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)TRIBOLATOR I NORDEN AKTIEBOLAG

Address of Applicant :BOX 17155, S-104 82 STOCKHOLM,  
SWEDEN

(72)Name of Inventor :

1)LINDBLOM, TOMMY

2)UNDEN, MAGNUS

(57) Abstract :

The invention relates to a method for producing a stable boron solution with lubricating characteristics which is intended to be used preferably as an addition in the form of a concentrate/additive to a liquid, e.g. to a liquid fuel or a lubricant. The invention is achieved by the method steps of using a boron substance of pharmaceutical quality (1, 11), using a liquid as solvent, applying a mixing ratio between the boron substance and the solvent (3, 13) of preferably 1 g of boron per 15-25 litres of liquid, agitating the mixture for an initial predetermined period of time (4, 14), adding further liquid to dilute the solution (6, 15), the quantity of liquid being chosen such that a final user mixture reaches a concentration of between 20 and 30 ppm of boron (8), and further agitating the mixture (7, 16) for a second predetermined period of time so that the boron substance is completely dissolved in the boron solution, resulting in a boron solution which is stable over time.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9068/DELNP/2011 A

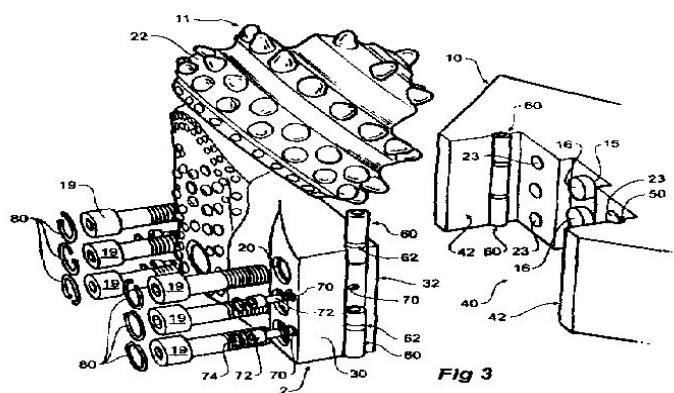
(43) Publication Date : 22/02/2013

(54) Title of the invention : DRILLING EQUIPMENT AND ATTACHMENT MEANS FOR THE SAME

(51) International classification	:E21B 10/633	(71)Name of Applicant :
(31) Priority Document No	:2009902048	1)TRANSCO MANUFACTURING AUSTRALIA PTY LTD
(32) Priority Date	:08/05/2009	Address of Applicant :3 HULL COURT, LONSDALE,
(33) Name of priority country	:Australia	SOUTH AUSTRALIA 5160, AUSTRALIA
(86) International Application No	:PCT/AU2009/001559	(72)Name of Inventor :
Filing Date	:30/11/2009	1)FYFE, GEORGE
(87) International Publication No	:WO 2010/127382	
(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 ground drilling or cutting tool comprising a cutting element removably attached thereto by attachment means, the tool further including retention means adapted to maintain attachment of the cutting element to the tool in the event that the attachment means fails. The retention means comprises a first surface on a side of the cutting element, a mounting recess in the cutting tool in which at least a portion of said cutting element locates, a second surface in a side of the mounting recess against which said first surface locates, channels in each of said first and second surfaces that align so as to cooperatively define a dowel hole when said first and second surfaces locate together, at least one dowel that locates in the dowel hole, and means for retaining the or each dowel within the dowel hole.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9070/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD TO CLEAN A MOISTENED SOILED SUBSTRATE WITHOUT ORGANIC SOLVENTS

(51) International classification	:D06L 1/00
(31) Priority Document No	:0907943.5
(32) Priority Date	:08/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050752
Filing Date	:10/05/2010
(87) International Publication No	:WO 2010/128337
(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)XEROS LIMITED**

Address of Applicant :LEEDS INNOVATION CENTRE, 103 CLARENDON ROAD, LEEDS YORKSHIRE LS2 9DF, UNITED KINGDOM

(72)Name of Inventor :

**1)JENKINS, STEPHEN, DEREK**

**2)WESTWATER, WILLIAM, GEORGE**

(57) Abstract :

The invention provides a method for cleaning a soiled substrate, the method comprising the treatment of the moistened substrate with a formulation comprising a solid particulate cleaning material wherein the formulation is free of organic solvents, the treatment comprising agitation of the substrate and the formulation in at least one sealed container. Preferably the sealed container comprises a metal container or a container formed from a rigid or flexible plastic material. Preferably, the at least one container is agitated in a rotating device such as a tumble dryer. Preferably, the substrate is wetted and the solid particulate cleaning material comprises a multiplicity of polymeric particles which comprise at least one additional cleaning agent, which preferably comprises a surfactant. Most preferably, the substrate comprises a textile fibre. Typically, the polymeric particles comprise particles of nylon or polyester. The results obtained are in line with those observed when carrying out conventional cleaning processes and the method provides the significant advantage that the use of solvents, with all the attendant drawbacks in terms of cost and environmental considerations, can be avoided.

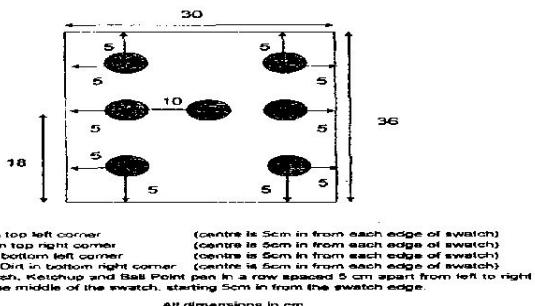


FIGURE 1 STAIN PATTERN FOR STANDARD XEROS STAIN SET ON COTTON

No. of Pages : 31 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9076/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

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

(51) International classification	:G06F 9/30
(31) Priority Document No	:0910661.8
(32) Priority Date	:19/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB10/000879
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/146328
(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)ARM LIMITED

Address of Applicant :110 FULBOURN ROAD, CHERRY HINTON, CAMBRIDGE CB 1 9NJ, UNITED KINGDOM

(72)Name of Inventor :

1)SIMON JOHN CRASKE

(57) Abstract :

A data processing apparatus is described which comprises processing circuitry responsive to data processing instructions to execute integer data processing operations and floating point data processing operations, a first set of integer registers useable by the processing circuitry in executing the integer data processing operations, and a second set of floating point registers useable by the processing circuitry in executing the floating point data processing operations. The processing circuitry is responsive to an interrupt request to perform one of an integer state preservation function in which at least a subset of only the integer registers are copied to a stack memory, and a floating point state preservation function in which at least a subset of both the integer registers and the floating point registers are copied to the stack memory, the one of said integer state preservation function and the floating point state preservation function being selected by the processing circuitry in dependence on state information. In this way, it is possible to reduce the memory size requirement through reduced stack sizes, and to reduce the number of memory accesses required compared with the basic solution of always preserving floating point registers. As a result, power usage and interrupt latency can be reduced.

No. of Pages : 72 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9082/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : HERBICIDAL SPIROHETEROCYCLIC TETRONIC ACID DERIVATIVES

(51) International classification	:C07D 491/10
(31) Priority Document No	:09160634.3
(32) Priority Date	:19/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/003020
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/133337
(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)BAYER CROPSCIENCE AG

Address of Applicant :ALFRED-NOBEL-STRASSE 50,  
40789 MONHEIM, GERMANY

(72)Name of Inventor :

1)THOMAS BRETSCHNEIDER

2)REINER FISCHER

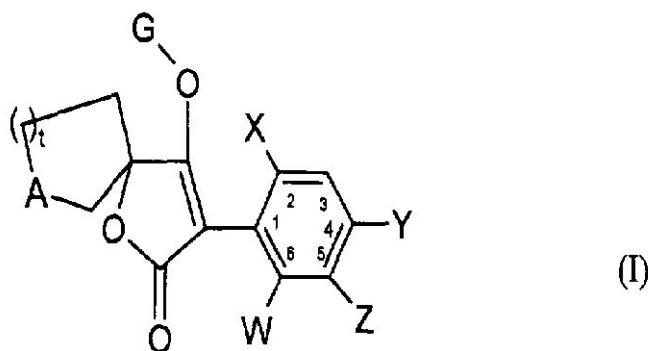
3)STEFAN LEHR

4)OLGA MALSAM

5)ARND VOERSTE

(57) Abstract :

The present invention relates to novel compounds of the formula (I), in which W, X, Y, Z, G, A and t have the meanings given above, to a plurality of processes and intermediates for their preparation and to their use as pesticides and/or herbicides. Moreover, the invention relates to selective herbicidal compositions comprising, firstly, the spiroheterocyclic tetronic acid derivates and, secondly, a crop plant compatibility-improving compound. The present invention furthermore relates to increasing the activity of crop protection compositions comprising in particular phenyl-substituted bicyclooctane-1,3-dione derivates by adding ammonium salts or phosphonium salts and, if appropriate, penetrants, to the corresponding compositions, to processes for their preparation and to their use in crop protection as insecticides and/or acaricides and/or for preventing unwanted plant growth.



No. of Pages : 133 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9084/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CUP OF A MASTER CYLINDER, ADVANTAGEOUSLY A TANDEM MASTER CYLINDER AND TANDEM MASTER CYLINDER PROVIDED WITH SUCH CUPS

(51) International classification	:B60T 11/236
(31) Priority Document No	:0902928
(32) Priority Date	:16/06/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP10/058231
Filing Date	:11/06/2010
(87) International Publication No	:WO 2010/146000
(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)ROBERT BOSCH GMBH**

Address of Applicant :WERNERSTRASSE 1, 70442-STUTTGART, GERMANY

(72)**Name of Inventor :**

**1)OLIVIER BERNADAT**

**2)MARC NOBLET**

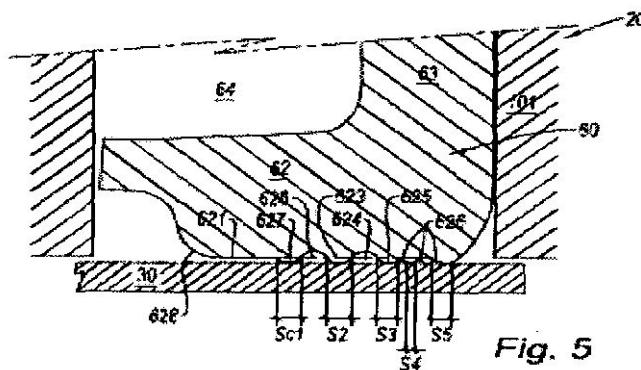
**3)JULIEN GATEAU**

**4)FRANCOIS GAGET**

**5)MARC RODRIGUEZ**

(57) Abstract :

The cup for a master cylinder coming into contact with its primary piston or its secondary piston and subjected to the pressure of the brake fluid of the primary chamber and of the secondary chamber. The cup (60) has two large grooves (622, 624) bordered: by a rib (627) between the heel (621) and the first groove (622), by a rib (623) between the first groove (622) and the second groove (624), by a rib (625) between the second groove (624) and the small grooves (626), these ribs (627, 623, 625) being in protrusion (DS) relative to the cylindrical surface (D) of the heel (621) in the mounted position of the cup (50) in order to separate the heel (620) from the surface of the piston (30) and form, between the heel (620) and the surface of the piston (30), a gap (621) with a film of brake fluid (628) . Master cylinder notably a tandem master cylinder fitted with such cups. - Figure 5 -



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9044/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : GESTURE-BASED CONTROL SYSTEMS INCLUDING THE REPRESENTATION, MANIPULATION, AND EXCHANGE OF DATA

(51) International classification	:G06K 9/34
(31) Priority Document No	:61/175,374
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033613
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/129599
(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)OBLONG INDUSTRIES, INC.**

Address of Applicant :923 E. THIRD STREET, UNIT 111, LOS ANGELES, CA 90021 (US). U.S.A.

(72)**Name of Inventor :**

**1)UNDERKOFFLER, JOHN, S.**

**2)KRAMER, KWINDLA, HULTMAN**

---

(57) Abstract :

Systems and methods for detecting, representing, and interpreting three-space input are described. Embodiments of the system, in the context of an SOE, process low-level data from a plurality of sources of spatial tracking data and analyze these semantically uncorrelated spatiotemporal data and generate high-level gestural events according to dynamically configurable implicit and explicit gesture descriptions. The events produced are suitable for consumption by interactive systems, and the embodiments provide one or more mechanisms for controlling and effecting event distribution to these consumers. The embodiments further provide to the consumers of its events a facility for transforming gestural events among arbitrary spatial and semantic frames of reference.

No. of Pages : 141 No. of Claims : 120

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9047/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INHIBITORS OF P13 KINASE AND/OR MTOR

(51) International classification	:C07D 401/14	(71)Name of Applicant :
(31) Priority Document No	:61/173,520	1)AMGEN INC.
(32) Priority Date	:28/04/2009	Address of Applicant :ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CALIFORNIA 91320-1799 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2010/032593	1)ANDREWS, KRISTIN
Filing Date	:27/04/2010	2)BO, YUNXIN, Y.
(87) International Publication No	:WO 2010/126895	3)BOOKER, SHON
(61) Patent of Addition to Application Number	:NA	4)CEE, VICTOR, J.
Filing Date	:NA	5)D'ANGELO, NOEL
(62) Divisional to Application Number	:NA	6)HERBERICH, BRADLEY, J.
Filing Date	:NA	7)HONG, FANG-TSAO
		8)JACKSON, CLAIRE, L., M.
		9)LANMAN, BRIAN, A.
		10)LIAO, HONGYU
		11)LIU, LONGBIN
		12)NISHIMURA, NOBUKO
		13)NORMAN, MARK H.
		14)PETTUS, LIPING, H.
		15)REED, ANTHONY, B.
		16)SMITH, ADRIAN, L.
		17)TADESSE, SEIFU
		18)TAMAYO, NURIA, A.
		19)WU, BIN
		20)WURZ, RYAN
		21)YANG, KEVIN

(57) Abstract :

The present invention relates to compounds of Formula I. or a pharmaceutically acceptable salt thereof; methods of treating diseases or conditions, such as cancer, using the compounds; and pharmaceutical compositions containing the compounds, wherein the variables are as defined herein.

No. of Pages : 628 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9049/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : UTRA-THIN STEEL SHEET AND PROCESS FOR PRODUCTION THEREOF

(51) International classification	:C22C 38/00
(31) Priority Document No	:2009-119378
(32) Priority Date	:18/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058681
Filing Date	:17/05/2010
(87) International Publication No	:WO 2010/134616
(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)NIPPON STEEL CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
CHIYODA-KU, TOKYO 1008071, JAPAN

(72)Name of Inventor :

**1)HIDEKUNI MURAKAMI**

**2)SEIICHI TANAKA**

**3)KEIICHIROH TORISU**

**4)AKIHIRO JINNO**

---

(57) Abstract :

The present invention provides a very thin steel sheet and production method thereof that, in a very thin steel sheet of 0.4 mm or less thickness, enable production at low addition of special elements, simultaneous achievement of both good workability and anti-aging property, and stable passing of even wide coil in a continuous annealing process, which very thin steel sheet and production method are characterized in that it contains, in mass%, C: 0.0004 to 0.0108%, N: 0.0032 to 0.0749%, Si: 0.0001 to 1.99%, Mn: 0.006 to 1.99%, S: 0.0001 to 0.089%, P: 0.001 to 0.069%, and Al: 0.070 to 1.99%; and further one or both of Ti and Nb at Ti: 0.0005 to 0.0804% and Nb: 0.0051 to 0.0894%, within the range of Ti + Nb: 0.0101 to 0.1394%; further satisfies the relationships of N - C > 0.0020%, C + N > 0.0054%, Al / N > 10, (Ti + Nb) / Al < 0.8, (Ti / 48 + Nb / 93) x 12 / C > 0.5, and 0.31 < (Ti / 48 + Nb / 93) / (C / 12 + N / 14) < 2.0; has a balance of iron and unavoidable impurities; and has a thickness of 0.4 mm or less.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9101/DELNP/2011 A

(43) Publication Date : 22/02/2013

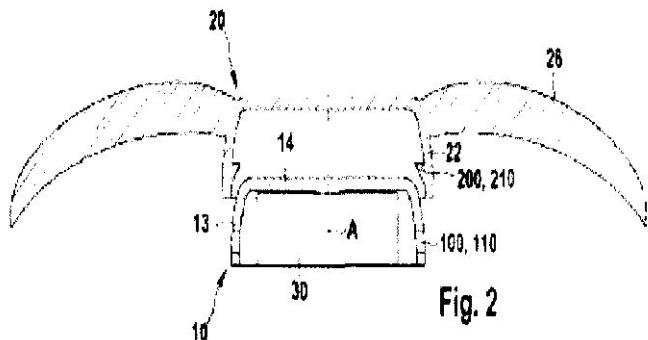
(54) Title of the invention : COMBINED BLOWER/ROTOR FOR A COOLING FAN OF A MOTOR VEHICLE

(51) International classification :H02K 7/14  
(31) Priority Document No :10 2009 003 142.1  
(32) Priority Date :15/05/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/055673  
Filing Date :28/04/2010  
(87) International Publication No :WO 2010/130577  
(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)ROBERT BOSCH GMBH**  
Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY  
(72)Name of Inventor :  
**1)WEINGAND, BRITT**  
**2)WEICKENMEIER, KLAUS**  
**3)BRUDER, PETER**  
**4)ULRICH, JENS**  
**5)LIEDEL, MARKUS**  
**6)LINNENBROCK, KLAUS**  
**7)HELMING, THOMAS**

(57) Abstract :

Described herein is a combined blower/rotor (1) for a cooling fan of a motor vehicle, particularly a reduced fan output. The combined blower/rotor (1) includes a rotor (10) of an electric motor (30) and a blower (20) fastened to the rotor (10). Further, the blower (20) is fixed to the rotor (10) without screws.



No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9104/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : 1,2,4-TRIAZOLO [4,3-A] PYRIDINE DERIVATIVES AND THEIR USE FOR THE TREATMENT OR PREVENTION OF NEUROLOGICALAND PSYCHIATRIC DISORDERS

(51) International classification	:C07D 471/04
(31) Priority Document No	:09160059.3
(32) Priority Date	:12/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/002910
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/130424
(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)JANSSEN PHARMACEUTICALS, INC.

Address of Applicant :1125 TRENTON-HARBOURTON ROAD, TITUSVILLE, NJ 08560, UNITED STATES OF AMERICA

2)ADDEX PHARMA S.A.

(72)Name of Inventor :

1)CID-NUNEZ, JOSE, MARIA;

2)OEHLRICH, DANIEL

3)TRABANCO-SUAREZ, ANDRES, AVELINO;

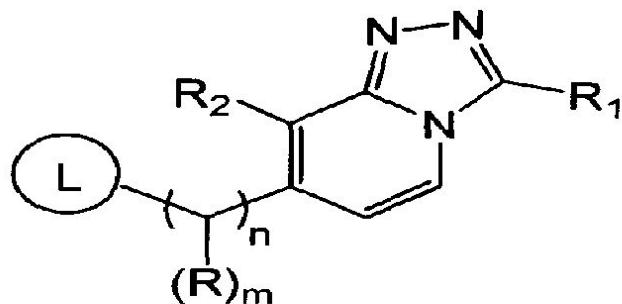
4)TRESADERN, GARY, JOHN;

5)VEGA RAMIRO, JUAN, ANTONIO;

6)MACDONALD, GREGOR, JAMES;

(57) Abstract :

The present invention relates to novel triazolo[4,3-a]pyridine derivatives of Formula (I) wherein all radicals are as defined in the claims. The compounds according to the invention are positive allosteric modulators of the metabotropic glutamate receptor subtype 2 (mGluR2), which are useful for the treatment or prevention of neurological and psychiatric disorders associated with glutamate dysfunction and diseases in which the mGluR2 subtype of metabotropic receptors is involved. The invention is also directed to pharmaceutical compositions comprising such compounds, to processes to prepare such compounds and compositions, and to the use of such compounds for the prevention or treatment of neurological and psychiatric disorders and diseases in which mGluR2 is involved.



(I)

No. of Pages : 252 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9053/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BEARING COMPONENT

(51) International classification	:C22C 38/18
(31) Priority Document No	:0900683.4
(32) Priority Date	:20/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/000138
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/134867
(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)AKTIEBOLAGET SKF

Address of Applicant :S-415 50 GOTEborg, SWEDEN

(72)Name of Inventor :

1)THORE LUND

2)INGEMAR STRANDELL

(57) Abstract :

Bearing component (10) containing steel that comprises, by weight 10-30 ppm Caž max 20 ppm S and 15 ppm O and in that said steel includes sulphide inclusions contain encapsulated or embedded oxide inclusions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9058/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NOVEL ADDITIVES FOR TRANSMISSION OILS

---

(51) International classification	:B01J 13/16
(31) Priority Document No	:FR 0902469
(32) Priority Date	:20/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/IB2010/052248
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/134044
(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)TOTAL RAFFINAGE MARKETING**

Address of Applicant :24, COURS MICHELET, F-92800  
PUTEAUX, FRANCE

(72)Name of Inventor :

**1)MATRAY, EMMANUEL**

**2)BOUFFET, ALAIN**

**3)GONNEAUD, CHRISTIAN**

(57) Abstract :

The subject of the invention concerns microcapsules comprising a core containing one or more alkali metal borates, optionally hydrated, dispersed in one or more lubricating base oils of mineral, synthetic or natural origin, and a polymer shell. Another subject of the invention is a lubricating oil comprising microcapsules according to the invention. A further subject of the invention is the use of microcapsules according to the invention as anti-wear and/or extreme pressure additive for lubricant compositions. A further subject of the invention is a method for preparing microcapsules by interface polymerization.

No. of Pages : 24 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2011

(21) Application No.9060/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : POLYMER COMPOSITION AND CABLE COVER OF THAT COMPOSITION

(51) International classification	:C08L 69/00
(31) Priority Document No	:09164518.4
(32) Priority Date	:03/07/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/058382
Filing Date	:15/06/2010
(87) International Publication No	:WO 2011/000692
(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)DSM IP ASSETS B.V.**

Address of Applicant :HET OVERLOON 1, NL-6411 TE HEERLEN, THE NETHERLANDS

(72)Name of Inventor :

**1)SCHMIDT, ANGELIKA**

**2)NIJENHUIS, ATZE JAN**

---

(57) Abstract :

Flame retardant polymer composition comprising: A) a copolyester elastomer containing a) hard polyester segments made up of repeating units derived from an aliphatic diol and an aromatic dicarboxylic acid, b) soft polyester segments containing repeating units derived from an aliphatic carbonate, B) 0 - 30 parts of one or more further polymers, C) 1 -15 parts of a halogen containing flame retardant. D) 0 - 15 parts of a halogen-free flame retardant, wherein sum of the components A, B, C and D is 100 parts.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9108/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ARTICLE AND METHOD OF MANUFACTURING RELATED TO NANOCOMPOSITE OVERLAYS

(51) International classification	:C23C 24/08
(31) Priority Document No	:61/180,530
(32) Priority Date	:22/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035876
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/135721
(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)MESOCOAT, INC.

Address of Applicant :24112 ROCKWELL DRIVE, EUCLID, OHIO 44117, UNITED STATES OF AMERICA

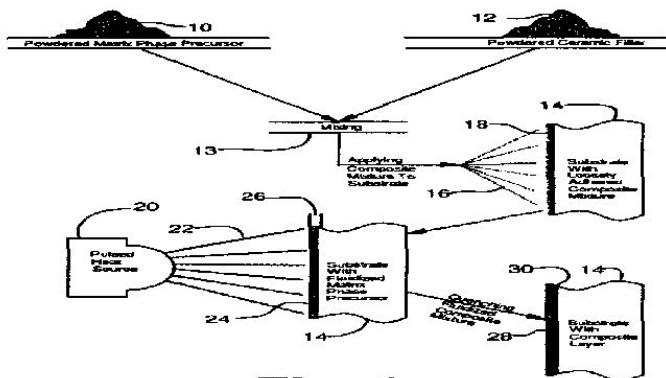
(72)Name of Inventor :

1)SHERMAN, ANDREW, J.

2)ENGLEMAN, PETER, G.

(57) Abstract :

Composite layers are formed on substrates, particularly heat sensitive substrates. A uniform composite mixture is prepared from powdered nanoscale ceramic phase particulates and a particulate matrix phase precursor that contains a fusible matrix former. The composite mixture is applied to the substrate surface where it forms a composite mixture layer that is thin relative to the substrate. The composite mixture layer is subjected to a rapid high flux heating pulse of energy to fluidize the fusible matrix former, followed by a rapid quenching step that occurs at least in part because of heat transfer to the substrate, but without significantly damaging the overall temper properties of the substrate. The nanoscale ceramic phase is present in the composite layer in an amount that is greater than its percolation threshold, so the resulting fused composite layer does not tend to flow or sag while the matrix former is in the fluid state. Also, the grain size of the matrix is minimized by the presence of the nanoscale ceramic phase.



**Fig. 1**

No. of Pages : 38 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9111/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : RECOMBINANTLY PRODUCED ALLERGENS

(51) International classification	:C07K 14/47
(31) Priority Document No	:0950416-8
(32) Priority Date	:05/06/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050623
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/140973
(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)PHADIA AB

Address of Applicant :BOX 6460 751 37 UPPSALA SWEDEN

(72)Name of Inventor :

1)MATTSSON, LARS

2)LIDHOLM, JONAS

3)LUNDGREN, THOMAS

(57) Abstract :

The present invention refers to the field of allergy. More specifically, the invention relates to the identification of new allergens from mammals and to diagnosis and treatment of allergy towards mammals. In particular the invention relates to a recombinantly produced canine allergen, Can f 4, or bovine allergen, Bos d 23k, or variants or fragments thereof sharing epitopes with the wildtype allergen, and the use thereof for the manufacture of a diagnostic composition as well as methods for in vitro diagnosis and treatment of allergy. Fig. 10

**Fig. 10**

Can f 4 QLPLPNVLTQVSGPNKTLYISSNNLDKIGDNGPPRIYMRGINVDIPRLKMSFNFYVKVDG 60  
.:|:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:  
Bos d23k ..EAQGDASQFTGRWLTYTAANNIEKITEGAPFHAFMRYLEFDEENGTLILMHFYVKENG 8

Can f 4 ECVENSGASIGRDNLLRGEYNGNYFRIIDMTNALIGYDVNVDSRGKITKVALLMGRCL2 0  
||:|| .:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:  
Bos d23k ECIE.KYASGTKEENFYAVDYAGHNEFOLIRGDANSLLTNVNVDENDGKETELVQLFGKG 117

Can f 4 ARVNEEDIAKFKKLRSREKGPIPEENIYLGDTDNCPNHE 158  
.||:||:||:||:||:||:||:||:||:||:  
Bos d23k NNVEPFYKEEYNTVRKGPIPEENIILNFTNDNCPEE. 154

No. of Pages : 51 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9073/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR REPAIRING NEURODEGENERATION

---

(51) International classification	:A61K 38/18
(31) Priority Document No	:61/233,987
(32) Priority Date	:14/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CN2010/001240
Filing Date	:16/08/2010
(87) International Publication No	:WO 2011/017915
(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)EU SOL BIOTECH CO., LTD.**

Address of Applicant :18F, NO. 96, SEC. 1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN, REPUBLIC OF CHINA

(72)**Name of Inventor :**

**1)HENRICH CHENG**

**2)MING-JEI LO**

**3)YEE-CHIANG LIU**

(57) Abstract :

The present invention provides for treating neurodegeneration caused by nerve compression syndrome or entrapment neuropathy comprising administering human acidic fibroblast growth factor (aFGF), fibrinogen, aprotinin and divalent calcium ions to a subject in need thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9074/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STRUCTURAL TEMPLATING FOR ORGANIC ELECTRONIC DEVICES HAVING AN ORGANIC FILM WITH LONG RANGE ORDER

(51) International classification	:H01L 33/26	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/183,598	<b>1)THE REGENTS OF THE UNIVERSITY OF MICHIGAN</b>
(32) Priority Date	:03/06/2009	Address of Applicant :1214 SOUTH UNIVERSITY AVE., 2ND FLOOR, ANN ARBOR, MI 48104-2592,UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/037334	(72) <b>Name of Inventor :</b>
Filing Date	:03/06/2010	<b>1)STEPHEN R. FORREST</b>
(87) International Publication No	:WO 2011/025567	<b>2)RICHARD LUNT</b>
(61) Patent of Addition to Application Number	:NA	<b>3)STEPHANE KENA-COHEN</b>
Filing Date	:NA	<b>4)BRIAN EINSTEIN LASSITER</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Organic electronic devices having an organic film with a desired crystalline order and methods for making such devices is present-ed. An organic photosensitive device incorporating such organic films in-cludes a first electrode layer and at least one structural templating layer disposal on the first electrode layer. A photoactive region is disposed an the at least one structural templating layer where the photoactive region in-cludes a donor material and an acceptor material, wherein the donor mate-rial or the acceptor material is templated by the at least one structural tem-plating layer and thus having an ordered molecular arrangement, and fur-ther wherein at least a majority of the molecules of the templated material are in a non-preferential orientation with respect to the first electrode layer. An organic light emitting device incorporating such organic films includes a first electrode layer, a second electrode layer, at least one structural tern-plating layer disposed between the first and second electrodes, and a func-tional layer disposed over the at least one structural tcmplating layer. The functional layer has its molecules in an ordered molecular arrangement wherein at least a majority of the molecules of the functional layer are in a non-preferential, orientation with respect to the layer immediately below the at least one structural templating layer.

No. of Pages : 54 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9129/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HONEYCOMB REACTOR OR HEAT EXCHANGER MIXER

---

(51) International classification	:F28F 7/02
(31) Priority Document No	:61/182,757
(32) Priority Date	:31/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036646
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/141368
(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)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING, NEW YORK 14831, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)JAMES SCOTT SUTHERLAND**

(57) Abstract :

A honeycomb reactor or heat exchanger 12 includes a honeycomb 20 having a plurality of cells 22, 24 extending in parallel along a common direction from a first end 14 to a second end 16 thereof, with the cells being divided by walls 23, the honeycomb 20 having one or more first passages 28 formed within a first plurality of cells 24 of the honeycomb 20, the first passages 28 extending laterally from cell to cell within the honeycomb 20 and being accessible via ports or holes 30 in or through a side 18 of the honeycomb 20. The honeycomb 20 also as a plurality of second passages 29 formed within a second plurality of cells 22 within the honeycomb 20, the second passages 29 each extending from first cell openings 31a at the first end 14 of the honeycomb 20 to second cell openings 31b at the second end 16 of the honeycomb 20. The second passages 29 each describe at least one S-bend beginning at the first end 14 of the monolith 20 and extending to the second end 16 and there bending back to the first end 14 and there bending back again to the second end 16.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9142/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CAMERA APPLICATIONS IN A HANDHELD DEVICE

---

(51) International classification	:G03B 3/00
(31) Priority Document No	:61/187,520
(32) Priority Date	:16/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069804
Filing Date	:30/12/2009
(87) International Publication No	:WO 2010/147609
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:8405/DELNP/2011
Filed on	:31/10/2011

---

(71)**Name of Applicant :**

**1)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB- 4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)FERREN, BRAN**

**2)NISHIHARA, H., KEITH**

(57) Abstract :

The present invention relates to an apparatus having a camera, the camera comprising: a lens; an optical sensor to sense an optical image from the lens; and a device to redirect an optical path between the lens and the optical sensor, such that a portion of the optical path between the device and the optical sensor is approximately perpendicular to a portion of the optical path between the lens and the device.

No. of Pages : 30 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9087/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : GENETICALLY-MODIFIED SEQUENCES ENCODING PLASMODIUM VIVAX ANTIGENS, VACCINE COMPOSITION CONTAINING RECOMBINANT PURIFIED ANTIGENS AND RECOMBINANT VIRUSES THAT EXPRESS THOSE ANTIGENS AND PRIME-BOOST VACCINATION PROTOCOL AGAINST MALARIA

(51) International classification	:C12N 15/30	(71)Name of Applicant :
(31) Priority Document No	:PCT/BR2009/000130	1)UNIVERSIDADE FEDERAL DE MINAS GERAIS-UFMG
(32) Priority Date	:05/05/2009	Address of Applicant :AV. ANTONIO CARLOS 6627 - REITORIA - 7º ANDAR-SALA 7005, CAMPUS UFMG - PAMPULHA, 31270-901 BELO HORIZONTE - MG, BRAZIL
(33) Name of priority country	:PCT	(72)Name of Inventor :
(86) International Application No	:PCT/BR2009/000130	1)BRUNA ROMERO OSCAR
Filing Date	:05/05/2009	2)TOSTES GAZZINELLI RICARDO
(87) International Publication No	:WO 2010/127420	3)DA FONSECA MARISA CRISTINA
(61) Patent of Addition to Application Number	:NA	4)FERREIRA ALVES DE BRITO CRISTIANA
Filing Date	:NA	5)DA FONSECA GUIMARAES FLAVIO
(62) Divisional to Application Number	:NA	6)LIMA CARRARA CRISTINA
Filing Date	:NA	7)MADURO BOUILLET LEONEIDE ERICA
		8)MARTINS RODRIGUES MAURICIO
		9)SOARES IRENE
		10)DE ANDRADE PEREIRA BRUNA

(57) Abstract :

The present invention relates to the construction of modified genetic sequences, which comprise sequences for antigens (DBP-PA, DBP-AM, DBP-MT, AMA-1, CS and MSP-1 ) of Plasmodium vivax, the corresponding recombinant proteins encoded by said sequences as well as genetically modified viruses that express these recombinant antigens. In addition, the present invention refers to a method of prime-boost vaccination using adenoviral or poxviral vectors, purified proteins for immunization of mammals and vaccine compositions to be used as vaccines against malaria.

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9131/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LEAK RESISTANT DRINKING CUP AND DIAMPHRAGM THEREFOR

(51) International classification	:B65D 47/08
(31) Priority Document No	:12/471,124
(32) Priority Date	:22/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035719
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/135619
(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)HANDI-CRAFT COMPANY**

Address of Applicant :4433 FYLER AVENUE, ST., LOUIS,  
MO 63116, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BERNARD, J. KEMPER**

**2)CHARLES, H. MILLER**

---

(57) Abstract :

A leak resistant drinking cup has a container with an open top and a lid assembly for removable attachment to the container for selectively closing the open top. The lid assembly includes a liquid discharge member for allowing liquid in the container to exit the cup. A closure member is adapted for placement adjacent the open top of the container when the lid assembly is attached to the container. A flexible diaphragm is moveable from a sealed position to unsealed position by a vacuum being applied to the diaphragm by a user sucking on the liquid discharge member. The vacuum causes the diaphragm to flex toward the container and at least in part away from the closure member and thereby move the diaphragm from the sealed position to the unsealed position. The liquid discharge member and sealing member may be formed as one-piece.

No. of Pages : 58 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9133/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ULTRAVIOLET-DULL RESPONSE IN SECURITY TAGGANTS

---

(51) International classification	:C09D 11/00
(31) Priority Document No	:61/184,586
(32) Priority Date	:05/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037476
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/141869
(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)SPECTRA SYSTEMS CORPORATION**

Address of Applicant :321 SOUTH MAIN STREET,  
PROVIDENCE, RI 02903, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)NABIL M. LAWANDY**

(57) Abstract :

Articles and methods for manufacturing security articles include ultraviolet absorptive materials disposed above and below an emissive security taggant that prevent excitation of the taggant itself at certain shorter ultraviolet wavelengths, rendering the article secure from detection by normal or conventional means.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9134/DELNP/2011 A

(43) Publication Date : 22/02/2013

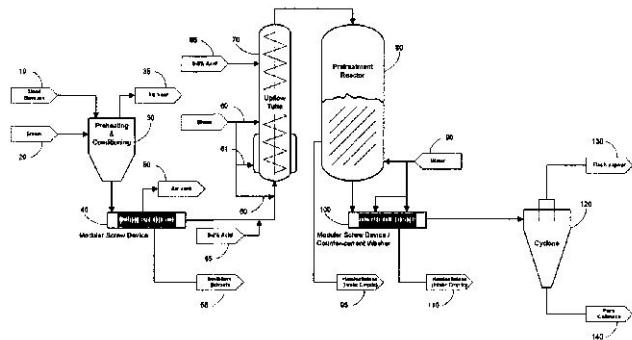
(54) Title of the invention : FRACTIONATION OF BIOMASS FOR CELLULOSIC ETHANOL AND CHEMICAL PRODUCTION

(51) International classification	:C08H 8/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/171,997	<b>1)GREEN FIELD ETHANOL INC.</b>
(32) Priority Date	:23/04/2009	Address of Applicant :20 TORONTO STREET, SUITE 1400, TORONTO, ONTARIO M5C 2B8 (CA) Canada
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/CA2010/000582	(72) <b>Name of Inventor :</b>
Filing Date	:23/04/2010	<b>1)DOTTORI, FRANK, A.</b>
(87) International Publication No	:WO 2010/121367	<b>2)BENSON, ROBERT, ASHLEY, COOPER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)BENECH, REGIS-OLIVIER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process is defined for the continuous steam pretreatment and fractionation of corn cobs and low lignin lignocellulosic biomass to produce a concentrated cellulose solid stream that is sensitive to enzymatic hydrolysis. Valuable chemicals are recovered by fractionating the liquid and vapor stream composed of hydrolysis and degradation products of the hemicellulose. Cellulosic derived glucose is produced for fermentation to biofuels. A hemicellulose concentrate is recovered that can be converted to value added products including ethanol. Figure 5

**Figure 5**



No. of Pages : 48 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9135/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SHEET-METAL LAYER COMPRISING ANTI-DIFFUSION STRUCTURES AND METALLIC HONEYCOMB BODY COMPRISING AT LEAST ONE SUCH SHEET-METAL LAYER

(51) International classification	:F01N 3/28	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 018 825.8	<b>1)EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH</b>
(32) Priority Date	:24/04/2009	Address of Applicant :HAUPTSTRASSE 128, 53797 LOHMAR (DE) Germany
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP/2010/055161	<b>1)ALTHOFER, KAIT</b>
Filing Date	:20/04/2010	<b>2)WIERES, LUDWIG</b>
(87) International Publication No	:WO 2010 /122003	<b>3)VOIT, MICHAEL</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SEELIGER, STEFAN</b>
Filing Date	:NA	<b>5)KURTH, FERDI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a sheet-metal layer (1) having anti-diffusion structures made of a high-temperature-corrosion-resistant steel, having a longitudinal direction (Q) and a top side (2) and a bottom side (3) and a thickness (d) of 0.015 to 0.1 mm, wherein the sheet-metal layer (1) comprises discontinuous microstructures (4, 5) extending approximately in the longitudinal direction (Q) and having the following characteristics: a. the microstructures (4, 5) have a structure height (SH), a structure length (SL), and a structure width (SB) and among each other a distance (LA) to the nearest microstructure (4,5) aligned approximately in the longitudinal direction thereof, said distance being formed by interruptions (6), and a lateral distance (SA) to the nearest laterally adjacent microstructure (4, 5); b. the microstructures (4, 5) are designed so that some of the microstructures project out of the sheet-metal layer (1) toward the top side (2) and some of the microstructures project out of the sheet-metal layer toward the bottom side (3); c. the microstructures (4, 5) are spaced, arranged, and designed in such a way that each straight theoretical line (G) extending across the sheet-metal layer (1) perpendicularly to the longitudinal direction (Q) intersects with at least two microstructures (4, 5) projecting toward the top side (2) and two microstructures projecting toward the bottom side (3); wherein d. the following relations apply: the structure height (SH) is 0.02 to 0.1 mm, preferably 0.06 to 0.08 mm, the structure length (SL) is 2 to 10 mm, preferably 4 to 6 mm, the structure width (SB) is 0.2 to 1 mm, preferably approximately 0.5 mm, the longitudinal distance (LA) to the nearest microstructure aligned approximately in the longitudinal direction thereof is greater than 2 mm, preferably 4 to 8 mm, the lateral distance (SA) to the nearest laterally adjacent microstructure (4, 5) is 1 to 10 mm, preferably 2 to 6 mm.

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9143/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CAMERA APPLICATIONS IN A HANDHELD DEVICE

---

(51) International classification	:G03B 3/00
(31) Priority Document No	:61/187,520
(32) Priority Date	:16/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/069804
Filing Date	:30/12/2009
(87) International Publication No	:WO 2010/147609
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:8405/DELNP/2011
Filed on	:31/10/2011

---

(71)**Name of Applicant :**

**1)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB-4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)FERREN, BRAN**

**2)NISHIHARA, H., KEITH**

(57) Abstract :

The present invention relates to an apparatus for processing a bar code image, comprising: an optical sensor to sense an image of a bar code as a rectangular array of pixels; a lens coupled to the optical sensor to focus the image on the optical sensor; a storage element coupled to the optical sensor to store the image as values for the rectangular array of pixels; and a processor coupled to the storage element to analyze the stored image to decode the bar code.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9146/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CONTROL CIRCUIT AND METHOD FOR ALLOCATING ORTHOGONAL SEQUENCES

(51) International classification	:H04L 1/00
(31) Priority Document No	:09160629.3
(32) Priority Date	:19/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056168
Filing Date	:06/05/2010
(87) International Publication No	:WO 2010/133452
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83 STOCKHOLM Sweden

(72)Name of Inventor :

1)KAMUF, MATTHIAS

2)BERGLJUNG, CHRISTIAN

(57) Abstract :

A method for allocating orthogonal sequences to user equipment devices, UEs, of a group sharing a channel of a telecommunication system is disclosed. The method comprises determining which UE of the group having largest transmission resource assigned for a physical uplink shared channel, PUSCH; determining a first orthogonal sequence of the UE of the group having largest transmission resource assigned; determining a second sequence that equals a quadrature phase offset of the first orthogonal sequence; reserving said second sequence when allocating sequences to remaining UEs of the group by avoiding the second sequence as long as there are other orthogonal sequences available. A control circuitry for a network node is also disclosed.

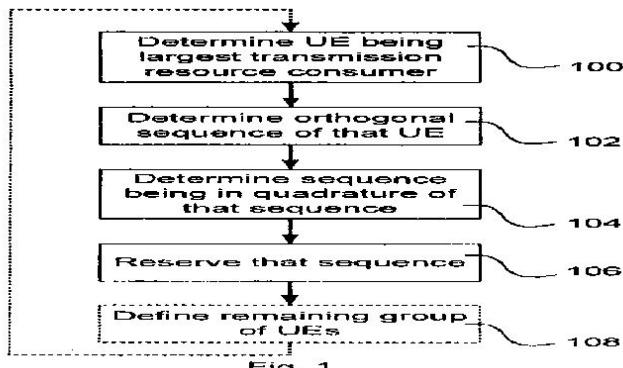


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9157/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FERMENTATION

(51) International classification	:C12P 7/10
(31) Priority Document No	:09158971.3
(32) Priority Date	:28/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/SE2010/050471
Filing Date	:28/04/2010
(87) International Publication No	:WO 2010/126443
(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)SEKAB E-TECHNOLOGY AB**

Address of Applicant :BOX 286, S-891 26  
ORNSKOLDSTVIK, SWEDEN

(72)Name of Inventor :

**1)HANS GRUNDBERG**

(57) Abstract :

The present invention provides a method for providing a target chemical, comprising: providing a cellulose-derived slurry comprising fermentable saccharides in one or several containers ;subjecting cellulose-derived slurry from said one or several containers to separation to provide a liquid fraction comprising part of said fermentable saccharides from said cellulose-derived slurry and a suspended solids fraction, which is returned to said container; transferring said liquid fraction to a fermentor; fermenting fermentable saccharides ofsaid liquid fraction in said fermentor to provide a fermented liquid comprising said target chemical; and returning said fermented liquid to said one or several containers.

No. of Pages : 46 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9166/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : QUATERNARY AMMONIUM AMIDE AND/OR ESTER SALTS

---

(51) International classification	:C10L 1/224
(31) Priority Document No	:61/178,509
(32) Priority Date	:15/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033806
Filing Date	:06/05/2010
(87) International Publication No	:WO 2010/132259
(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)THE LUBRIZOL CORPORATION**

Address of Applicant :29400 LAKELAND BOULEVARD,  
WICKLIFFE, OHIO 44092-2298, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)PAUL R. STEVENSON**

**2)JAMES C. RAY**

**3)DAVID J. MORETON**

**4)JAMES H. BUSH**

---

(57) Abstract :

The invention relates to quaternary ammonium amide and/or ester salts and their use as additives, including their use in fuels, such as diesel fuel. The invention particularly relates to the use of quaternary ammonium amide and/or ester salts as detergents in diesel fuels.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9167/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CATALYST PREPARATION METHOD

(51) International classification	:B01J 23/00
(31) Priority Document No	:0907539.1
(32) Priority Date	:01/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050624
Filing Date	:15/04/2010
(87) International Publication No	:WO 2010/125369
(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)JOHNSON METTHEY PLC.**

Address of Applicant :5TH FLOOR, 25 FARRINGDON STREET, LONDON EC4A 4AB, UNITED KINGDOM

(72)Name of Inventor :

**1)MIKAEL PER UNO CARLSSON**

**2)JONATHAN GEOFFREY OLIVER**

**3)MARK ROBERT FEAVOUR**

**4)DAVID JAMES BIRDSALL**

**5)SAMUEL ARTHUR FRENCH**

---

(57) Abstract :

A method is described for preparing a catalyst comprising the steps of: (i) preparing a calcined shaped calcium aluminate catalyst support, (ii) treating the calcined shaped calcium aluminate support with water, and then drying the support, (iii) impregnating the dried support with a solution containing one or more metal compounds and drying the impregnated support, (iv) calcining the dried impregnated support, to form metal oxide on the surface of the support and (v) optionally repeating steps (ii), (iii) and (iv) on the metal oxide coated support. The method provides an eggshell catalyst in which the metal oxide is concentrated in an outer layer on the support.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9136/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(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 A THIRD COMPONENT

(51) International classification	:C09K 5/04
(31) Priority Document No	:61/220,673
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/040154
Filing Date	:28/06/2010
(87) International Publication No	:WO 2010/151864
(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)E. I. DU PONT DE NEMOURS AND COMPANY**

Address of Applicant :1007 MARKET STREET,  
WILMINGTON, DELAWARE 19898, UNITED STATES OF  
AMERICA

(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 a third component. Also disclosed are compositions where the third component is cyclopentane, methanol, dimethyloxymethane, methyl formate or perfluoro ethyl isopropyl ketone. 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 : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9160/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMAGE DISPLAY APPARATUS, IMAGE DISPLAY SYSTEM, IMAGE DISPLAY METHOD, AND COMPUTER PROGRAM

(51) International classification	:G09G 5/36	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:P2010-081200	<b>1)SONY CORPORATION</b>
(32) Priority Date	:31/03/2010	Address of Applicant :1-7-1 KONAN, MINATO-KU, TOKYO 1080075, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2011/055646	<b>1)KAZUNORI KIKUCHI</b>
Filing Date	:10/03/2011	<b>2)TAKASHI TSURUMOTO</b>
(87) International Publication No	:WO 2011/122290	<b>3)YOSHINORI SATOH</b>
(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 notify an observer who is wearing shutter glasses of information related to the remaining battery capacity or the like of the shutter glasses, through display of a stereoscopic image. To that end, shutter glasses (20) transmit internal information such as the remaining capacity of a battery (22) to a display apparatus (10). On the display apparatus (10) side, notification or warning of the remaining capacity is displayed on the screen by a display section (11). Of course, this notification or warning can be also presented as a time-division stereoscopic image. In such a case, the observer can check a state such as exhaustion of the battery (22) while keeping wearing the shutter glasses (20), that is, while viewing a stereoscopic image.

No. of Pages : 58 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9183/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : 'SPIRO EPOXIDES AS INTERMEDIATES

(51) International classification	:C07D 309/32
(31) Priority Document No	:0909303.0
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/057121
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/136431
(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)SYNGENTA LIMITED**

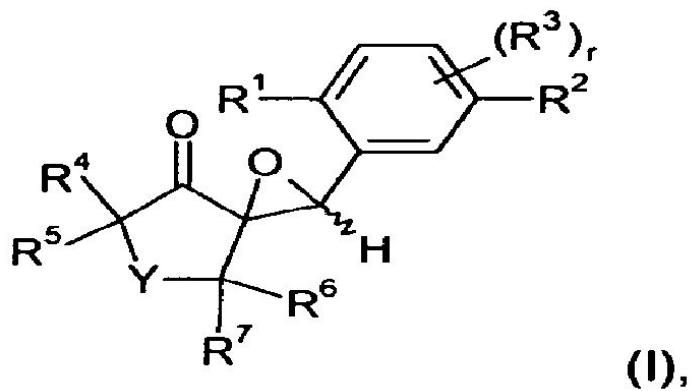
Address of Applicant :EUROPEAN REGIONAL CENTRE,  
PRIESTLEY ROAD, SURREY RESEARCH PARK,  
GUILDFORD, SURREY GU27YH UNITED KINGDOM

(72)Name of Inventor :

**1)SCUTT JAMES NICHOLAS**

(57) Abstract :

The present invention provides compounds of formula I wherein the substituents are as defined in claim 1. The compounds are suitable intermediates in the preparation of herbicidally active 4-phenyl-3,5-pyrandiones, 4-phenyl-3,5-thiopyrandiones and 6-phenylcyclohexane-1,3,5-triones.



No. of Pages : 57 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9186/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SUBSTITUTED AMINOBUTYRIC DERIVATIVES AS NEPRILYSIN INHIBITORS

(51) International classification	:C07C 233/45
(31) Priority Document No	:61/181,753
(32) Priority Date	:28/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057213
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/136474
(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)NOVARTIS AG

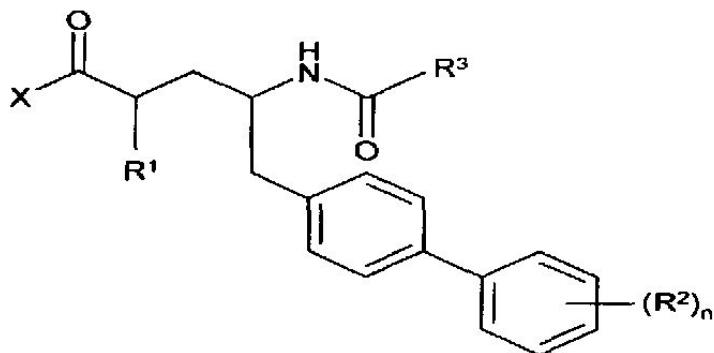
Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL SWITZERLAND.

(72)Name of Inventor :

- 1)COPPOLA GARY MARK
- 2)IWAKI YUKI
- 3)KARKI RAJESHRI GANESH
- 4)KAWANAMI TOSHIO
- 5)KSANDER GARY MICHAEL
- 6)MOGI MUNETO
- 7)SUN ROBERT

(57) Abstract :

The present invention provides a compound of formula I'; Formula I' or a pharmaceutically acceptable salt thereof, wherein R1, R2, R3, X and n are defined herein. The invention also relates to a method for manufacturing the compounds of the invention, and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.



**Formula I'**

No. of Pages : 207 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9188/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SUBSTITUTED AMINOPROPIONIC DERIVATIVES AS NEPRILYSIN INHIBITORS

(51) International classification	:C07D 213/82
(31) Priority Document No	:61/181,756
(32) Priority Date	:28/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057247
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/136493
(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)NOVARTIS AG

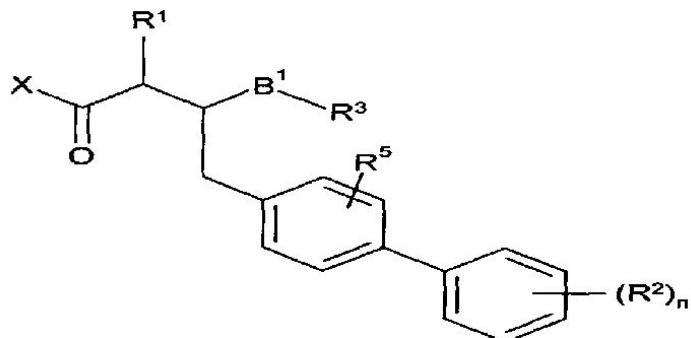
Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL SWITZERLAND.

(72)Name of Inventor :

1)COPPOLA GARY MARK  
2)IWAKI YUKI  
3)KARKI RAJESHRI GANESH  
4)KAWANAMI TOSHIO  
5)KSANDER GARY MICHAEL  
6)MOGI MUNETO  
7)SUN ROBERT

(57) Abstract :

The present invention provides a compound of formula I'; Formula I' or a pharmaceutically acceptable salt thereof, wherein R1, R2, R3, R5, B1, X and n are defined herein. The invention also relates a method for manufacturing the compounds of the invention, and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.



**Formula I'**

No. of Pages : 259 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9189/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : EXPRESSION CASSETTES DERIVED FROM MAIZE

---

(51) International classification	:C07H 21/00
(31) Priority Document No	:61/186,038
(32) Priority Date	:11/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037683
Filing Date	:08/06/2010
(87) International Publication No	:WO 2010/144385
(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)SYNGENTA PARTICIPATIONS AG**

Address of Applicant :SCHWARZWALDALLEE 215, CH-4058 BASEL SWITZERLAND.

(72)**Name of Inventor :**

**1)NUCCIO MICHAEL L.**

(57) Abstract :

The present invention includes expression cassettes that contain regulatory sequences derived from a target gene, for example, regulatory sequences from the HSP70, Ubi158, and Ubi361 genes, for expression of recombinant gene products in plants.

Developmental expression profiling data were used to identify several gene candidates for strong constitutive expression cassette development. Three expression cassettes were developed. They are based on the ZmHSP70, ZmUbi158, and ZmUBI361 genes.

No. of Pages : 130 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9192/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ANTIBODIES AGAINST NERVE GROWTH FACTOR (NGF) WITH ENHANCED IN VIVO STABILITY

(51) International classification	:C07K 16/22
(31) Priority Document No	:61/175,228
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/001210
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/128398
(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)ABBOTT RESEARCH B.V.**

Address of Applicant :MEEUWENLAAN 4 P.O. BOX 365  
NL-8000 AJ ZWOLLE, NETHERLANDS

(72)**Name of Inventor :**

**1)POWELL JOHN**

**2)MAGINN MARK**

**3)CASSON DUNCAN**

**4)BEST ANDREA**

**5)DUTTA SANDEEP**

**6)HALL JERRY A.**

**7)LIU WEI**

---

(57) Abstract :

The present invention provides anti-nerve growth factor (NGF) antibodies that contain an IgG4 constant region comprising a stabilizing hinge region mutation and wherein the antibodies exhibit an unexpectedly long serum half life in cynomolgus monkeys. Pharmaceutical compositions comprising the anti-NGF antibodies, nucleic acids encoding the NGF antibodies, host cells for expressing the NGF antibodies and methods of using the antibodies for treating NGF-related diseases or conditions are also provided.

No. of Pages : 114 No. of Claims : 83

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9194/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ARTIFICIAL ISLAND

(51) International classification	:E02B 3/04
(31) Priority Document No	:61/176,910
(32) Priority Date	:10/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000372
Filing Date	:09/05/2010
(87) International Publication No	:WO 2010/131246
(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)OCEAN BRICK SYSTEM (O.B.S.) LTD.

Address of Applicant :P.O.B. 9732, JERUSALEM 91090 (IL)

Israel

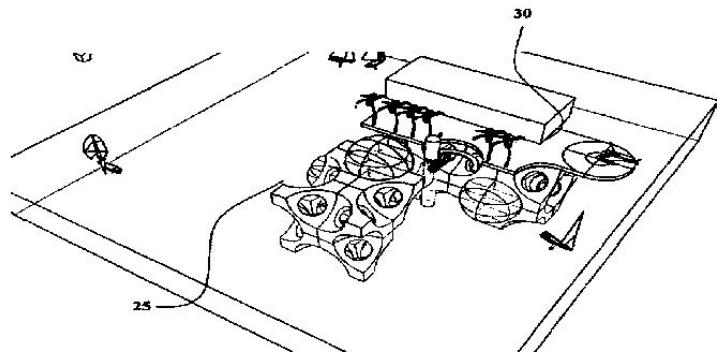
(72)Name of Inventor :

1)ALKON, YORAM

2)BIRNHACK, KOBI

(57) Abstract :

An amphibian artificial island (100) adapted for habitation of humans and aquatic flora and fauna. The island is integrally configured and comprises : (i) an underwater portion (20) sitting on a seabed adapted to enable sea water (free) flow; (ii) an above-water platform (30); and possibly, (iii) recreation and/or accommodation facilities (40). The unified bi-functional artificial island enables both humans and aquatic flora and fauna coexistence.



**Fig. 2**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9207/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NANOCOMPOSITE COMPOSITION

(51) International classification	:C09C 1/42
(31) Priority Document No	:60/632,828
(32) Priority Date	:03/12/2004
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US05/036013 :07/10/2005
(87) International Publication No	:WO 2006/062572
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:4149/DELNP/2007 :01/06/2007

(71)Name of Applicant :

**1)EXXONMOBIL CHEMICAL PATENTS INC.**

Address of Applicant :5200 BAYWAY DRIVE, BAYTOWN,  
TX 77520, UNITED STATES OF AMERICA

(72)Name of Inventor :

- 1)CAIGUO GONG**
- 2)WEIQING WENG**
- 3)MUN-FU TSE**
- 4)ANTHONY JAY DIAS**
- 5)JAMES PETER STOKES**
- 6)ALAN ANTHONY GALUSKA**
- 7)BEVERLY JEAN POOLE**
- 8)CARMEN NEAGU**
- 9)KRISS KARP**
- 10)MOLLY WESTERMANN JOHNSTON**

(57) Abstract :

A nanocomposite composition comprising: an elastomeric composition; and a modified layered filler as herein described, at least one curative package; and optionally, at least one additional filler, optionally at least one cross-linking agent, optionally, at least one processing aid, optionally least one plastomer; or optionally, mixtures thereof..

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9209/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LENS WITH CONTROLLED BACKLIGHT MANAGEMENT

---

(51) International classification	:F21V 5/00
(31) Priority Document No	:12/475,194
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001314
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/138151
(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)RUUD LIGHTING, INC.,

Address of Applicant :9201 WASHINGTON AVENUE,  
RACINE, WISCONSIN 53406, USA

(72)Name of Inventor :

1)KURT S. WILCOX

2)CHRISTOPHER STROM

(57) Abstract :

A lens (10) for distribution of light predominantly toward a preferential side (5) from a light emitter (1) having an emitter axis (2) and defining an emitter plane (3). The lens has an emitter-adjacent base end (11) forming an emitter-receiving opening (12) to an emitter-surrounding cavity (13) defined by an inner surface (14) which includes a front sector (20) centered on the preferential side and a back sector (30) centered on the non-preferential side radially opposite the preferential side. The front and back sectors differ in their respective configurations for refracting light from the emitter. The lens further includes an primary back surface (15) positioned to receive light from at least a portion of the inner-surface back sector and configured for total internal reflection (TIR) thereof. The inner-surface back sector and the primary back surface extend along substantially elliptical cross-sections in planes substantially parallel to the emitter plane. The emitter-adjacent base end forms a back opening to a back cavity substantially centered on the non-preferential side and partially bounded by the primary back surface.

No. of Pages : 32 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9168/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CHROMATE-FREE BLACK COATED METAL PLATE

(51) International classification	:B32B 15/09
(31) Priority Document No	:2009-127562
(32) Priority Date	:27/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/059291
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/137726
(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)NIPPON STEEL CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
CHIYODA-KU, TOKYO 100-8071, JAPAN

(72)Name of Inventor :

**1)ATSUSHI MORISHITA**

**2)KIMITAKA HAYASHI**

**3)MASAHIRO FUDA**

(57) Abstract :

An inexpensive chromate-free black metal sheet not containing the high environmental load hexavalent chromium and extremely excellent in finish (coloring power and concealing power including worked parts), moisture resistance, corrosion resistance, formability, scratch resistance, chemical resistance, etc. The present invention is a chromate-free black-coated metal plate characterized by comprising a metal sheet on at least one surface of which is formed a black coating (a), containing a polyester resin (Al) containing sulfonic acid groups cured by a curing agent (B) and carbon black (C), of a thickness of 2 to 10  $\mu\text{m}$ .

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9170/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : TREATMENT OF COGNITIVE DISORDERS WITH CERTAIN ALPHA-7 NICOTINIC ACID RECEPTORS IN COMBINATION WITH ACETYLCHOLINESTERASE INHIBITORES

(51) International classification	:A61K 31/27
(31) Priority Document No	:61/177,260
(32) Priority Date	:11/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034353
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/132423
(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)ENVIVO PHARMACEUTICALS, INC.

Address of Applicant :480 ARSENAL STREET, BLDG. 1, WATERTOWN, MASSACHUSETTS 02472, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)KOENIG, GERHARD

2)HILT, DANA

(57) Abstract :

A method for improving cognition comprising administering to a patient (R)-7-chloro-N-(quinuclidin-3-yl)benzo[b]thiophene-2-carboxamide or a pharmaceutically acceptable salt thereof and an acetylcholinesterase inhibitor is described together with related compositions

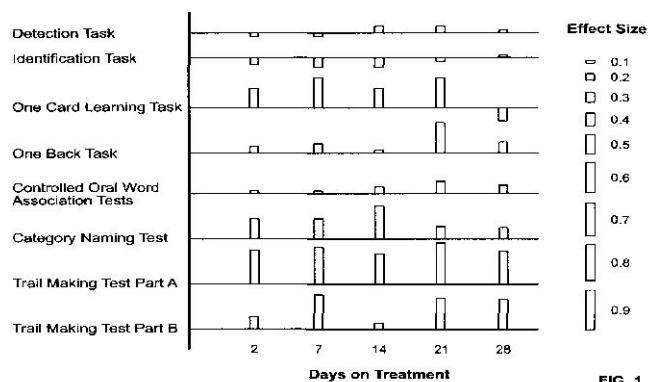


FIG. 1

No. of Pages : 24 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9172/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : MULTI-CHIP PACKAGE AND METHOD OF PROVIDING DIE-TO-DIE INTERCONNECTS IN SAME

(51) International classification

:H01L 23/48

(31) Priority Document No

:12/459,007

(32) Priority Date

:24/06/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/027035

Filing Date

:11/03/2010

(87) International Publication No

:WO 2010/151350

(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)INTEL CORPORATION

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CA 95052, UNITED STATES OF AMERICA.

(72)Name of Inventor :

1)BRAUNISCH, HENNING

2)CHIU, CHIA-PIN

3)ALEKSOV, ALEKSANDAR

4)AU, HINMENT

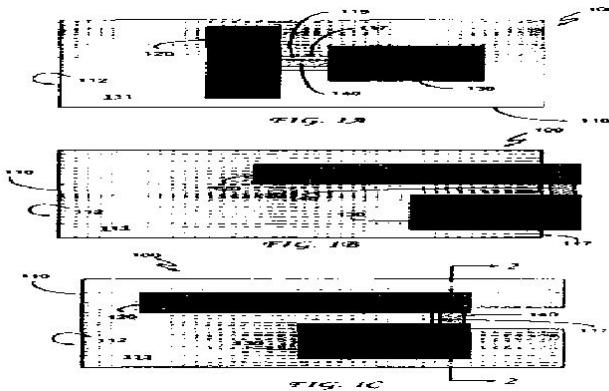
5)LOTZ, STEFANIE, M.

6)SWAN, JOHANNA M.

7)SHARAN, SUJIT

(57) Abstract :

A multi-chip package includes a substrate (110) having a first side (111), an opposing second side (112), and a third side (213) that extends from the first side to the second side, a first die (120) attached to the first side of the substrate and a second die (130) attached to the first side of the substrate, and a bridge (140) adjacent to the third side of the substrate and attached to the first die and to the second die. No portion of the substrate is underneath the bridge. The bridge creates a connection between the first die and the second die. Alternatively, the bridge may be disposed in a cavity (615, 915) in the substrate or between the substrate and a die layer (750). The bridge may constitute an active die and may be attached to the substrate using wirebonds (241, 841, 1141, 1541).



No. of Pages : 43 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9173/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PEER-TO-PEER NEGOTIATION IN A WIRELESS NETWORK

(51) International classification	:H04B 7/24
(31) Priority Document No	:12/456,961
(32) Priority Date	:24/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032260
Filing Date	:23/04/2010
(87) International Publication No	:WO 2011/005348
(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE COULEVARD, SANTA CLARA, CA 95052, UNITED STATES OF AMERICA

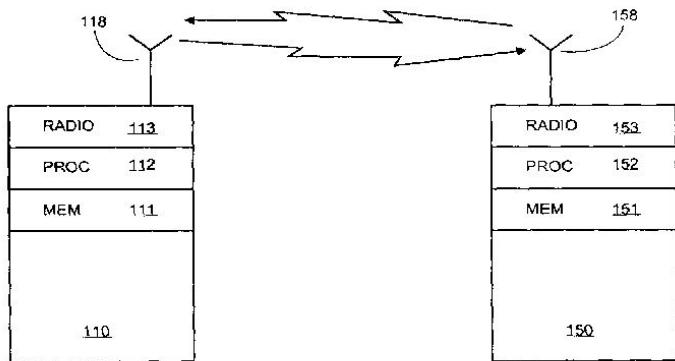
(72)Name of Inventor :

**1)MEYLEMANS, MARE**

**2)QI, EMILY, H**

(57) Abstract :

When two wireless communication devices discover each other and prepare to associate with each other, they perform a negotiation with each other to decide which will act as the network controller in that association. The negotiation may include an exchange of information indicating which device is more suitable to act as a network controller.



**FIG. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.9200/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : LAYERED COATING SYSTEM WITH A MCRLX LAYER AND A CHROMIUM RICH LAYER AND A METHOD TO PRODUCE IT

(51) International classification

:C23C 4/18

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:PCT/US2009/003204

Filing Date

:26/05/2009

(87) International Publication No

:WO 2010/138096

(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)PRAXAIR S.T. TECHNOLOGIES, INC.

Address of Applicant :39 OLD RIDGEBURY ROAD,  
DANBURY CT 06810, UNITED STATES OF AMERICA

2)SIEMENS AKTIENGESELLSCHAFT

(72)Name of Inventor :

1)BOX, PAUL

2)EVANS, HUGH

3)KIRCHER, TOM

4)LEWIS, THOMAS

5)MCMORDIE, BRUCE

6)NICHOLLS, JOHN

7)PADLEY, PAUL

8)SIMMS, NIGEL

9)VENEZIA, JONATHAN

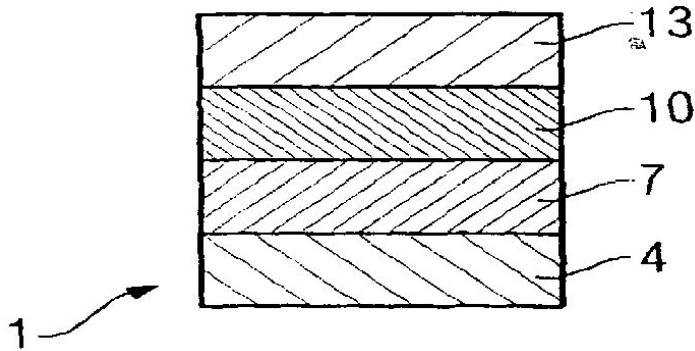
10)WALKER, PAUL MATHEW

11)WEATHERILL, ADRIAN

12)WHITEHURST,, MICK

(57) Abstract :

The invention relates to a layer system with a MCrX layer and a Cr-rich layer on the MCrX layer. FIG:1



**FIG:1**

No. of Pages : 23 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9224/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR DEACTIVATION OF COMBINATION EAS/RFID TAGS

---

(51) International classification	:G06K 19/077
(31) Priority Document No	:12/469,775
(32) Priority Date	:21/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/000801
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/134945
(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)SENSORMATIC ELECTRONICS, LLC.**

Address of Applicant :6600 CONGRESS AVENUE, BOCA RATON, FLORIDA 33487 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)LIAN MING-REN**

**2)COPELAND RICHARD L.**

(57) Abstract :

A combination Electronic Article Surveillance/Radio Frequency Identification (EAS/RFID) tag and method and system for deactivating said combination EAS/RFID tags without the need to physically contact the tag with a deactivation device. The EAS/RFID tag replaces the conventional diode with a non-linear device such as a capacitor with a given breakdown voltage threshold. The introduction of a predetermined voltage across the capacitor results in destruction of the capacitor rendering the EAS/RFID tag undetectable in the interrogation systems.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9217/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : RADIO RESOURCE MEASUREMENT TECHNIQUES IN DIRECTIONAL WIRELESS NETWORKS

(51) International classification	:H04W 24/10
(31) Priority Document No	:12/459,264
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038499
Filing Date	:14/06/2010
(87) International Publication No	:WO 2010/151448
(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)INTEL CORPORATION

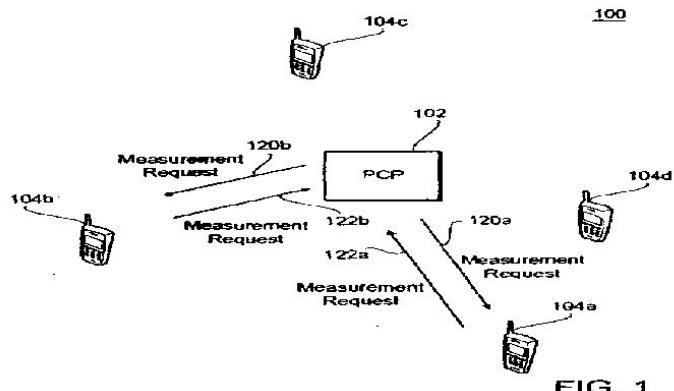
Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB-4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)CORDEIRO, CARLOS  
2)GOPALAKRISHNAN, PRAVEEN

(57) Abstract :

Techniques for radio resource measurement (RRM) that support directionality, as well as scheduled media access techniques are described. For instance, a measurement request may be transmitted from a first device to a second device. This measurement request directs the second device to take one or more measurements of a wireless channel. Various characteristics for the one or more measurements may be included in the measurement request. For example, the measurement request may indicate at least one directional parameter and at least one timing parameter for the one or more measurements. In response to the request, the first device receives a measure report that includes measured values for each of the one or more measurements.



No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9218/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : OPTIMIZATIONS FOR AN UNBOUNDED TRANSACTIONAL MEMORY (UTM) SYSTEM

(51) International classification

:G06F 9/06

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:PCT/US2009/048947

Filing Date

:26/06/2009

(87) International Publication No

:WO 2010/151267

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB-4-150, SANTA CLARA, CA 95052, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SHEAFFER, GAD**

**2)GRAY, JAN**

**3)SMITH, BURTON**

**4)ADL-TABATABAI, ALI-REZA**

**5)GEVA, ROBERT**

**6)BASSIN, VADIM**

**7)CALLAHAN, DAVID**

**8)NI, YANG**

**9)SAHA, BRATIN**

**10)TAILLEFER, MARTIN**

**11)RAIKIN, SHLOMO**

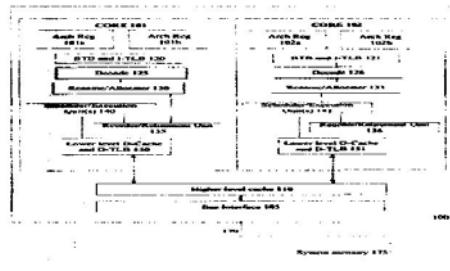
**12)YAMADA, KOICHI**

**13)WANG, LANDY**

**14)KISHAN, ARUN**

(57) Abstract :

A method and apparatus for optimizing an Unbounded Transactional Memory (UTM) system is herein described. Hardware support for monitors, buffering, and metadata is provided, where orthogonal metaphysical address spaces for metadata may be separate associated with threads and/or software subsystems within threads. In addition, the metadata may be held with hardware in a compressed manner with regard to data transparently to software. Furthermore, in response to metadata access instruction/operations the hardware is capable of supporting a forced metadata-value to enable multiple modes of transactional execution. However, if monitors, buffered data, metadata, or other information is lost or conflicts are detected hardware provides for variations of a loss instruction that is able to poll a transaction status register for such loss or conflict and jump execution to a label in response to detecting the loss or conflict. Similarly, multiple variations of a commit instruction are provided for to allow software to define commit conditions and information to clear upon commit. Furthermore, hardware provides support to enable suspension and resume of transactions upon ring level transitions.



No. of Pages : 101 No. of Claims : 130

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9219/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A METHOD FOR TREATING WASTEWATER CONTAINING HEAVY METALS

---

(51) International classification	:C02F 1/44
(31) Priority Document No	:P1 20092161
(32) Priority Date	:27/05/2009
(33) Name of priority country	:Malaysia
(86) International Application No	:PCT/MY2010/000085
Filing Date	:25/05/2010
(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)UNIVERSITI TEKNOLOGI MALAYSIA**

Address of Applicant :81310 UTM SKUDAI, JOHOR,  
MALAYSIA

(72)**Name of Inventor :**

**1)ZAINI UJANG**

**2)MYZAIRAH HAMDZAH**

**3)HIROAKI OZAKI**

(57) Abstract :

A method for treating wastewater containing heavy metals comprising directing the wastewater across a reverse osmosis aromatic polyamide membrane at low pressure ranging from 40-120psi, the membrane being capable of removing at least 90% of the target heavy metals from the wastewater.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9220/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : EXTRACTION AND PURIFICATION OF POLYESTER GRANULES

(51) International classification

:C12S 99/00

(31) Priority Document No

:PI 20092081

(32) Priority Date

:21/05/2009

(33) Name of priority country

:Malaysia

(86) International Application No

:PCT/MY2010/000070

Filing Date

:05/05/2010

(87) International Publication No

:WO 2010/134798

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(57) Abstract :

A process for recovering polyesters from polyester-containing biomass comprising feeding the biomass to an animal which excretes fecal pellets containing the polyesters; and separating the polyesters from the fecal pellets.

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

(71)Name of Applicant :

**1)UNIVERSITI SAINS MALAYSIA**

Address of Applicant :11800 PULAU PINANG, MALAYSIA

(72)Name of Inventor :

**1)K. SUDESH KUMAR A/L C. KANAPATHI PILLAI,**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9248/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : OPENING MEANS FOR A CAPSULE-BASED BEVERAGE PREPARATION DEVICE

(51) International classification	:A47J 31/06
(31) Priority Document No	:09162921.2
(32) Priority Date	:17/06/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/058506
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/146101
(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)NESTEC S.A.**

Address of Applicant :AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND.

(72)**Name of Inventor :**

**1)VUAGNIAUX, DIDIER**

**2)OZANNE, MATTHIEU**

**3)GERBER, GILLES**

**4)DUNKI, REMO**

---

(57) Abstract :

The invention proposes a system comprising a beverage preparation device (10) and a capsule (1) for preparing a beverage from a food substance contained in a compartment (2) of the capsule by injection of a liquid into the capsule, the beverage preparation device (10) having opening means (3) which are designed to interact with a wall member (4) provided at an outlet face (6b) of the capsule (1), wherein the opening means (3) comprise an opening member (7) having a hook-like shape designed to shear and move away at least a portion of a cover (11) sealed to the outlet face (6b) of the capsule.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9226/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : APPRATUS AND METHOD FOR SEPARATING AIR BY CRYOGENIC DISTILLATION

---

(51) International classification	:F25J 3/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0953935	<b>1)L'AIR LIQUIDE SOCIETE ANONYME POUR</b>
(32) Priority Date	:12/06/2009	<b>L'ETUDE ET L'EXPLOITATION DES PROCEDES</b>
(33) Name of priority country	:France	<b>GEORGES CLAUDE</b>
(86) International Application No	:PCT/FR2010/051101	Address of Applicant :75 QUAI D'ORSAY, F-75007 PARIS
Filing Date	:04/06/2010	FRANCE
(87) International Publication No	:WO 2010/142894	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)DUBETTIER-GRENIER RICHARD</b>
Filing Date	:NA	<b>2)COGNARD MARIE</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

---

(57) Abstract :

The invention relates to equipment for separating air that includes a first average pressure distillation column (1), a second low-pressure distillation column (2), a third low-pressure distillation column (3), a first condenser-vaporizer (9, 9A), a second condenser-vaporizer (5) arranged in the tank of the second column, a pipe (33) for supplying air to the first column, a pipe (35) for supplying a nitrogen-enriched liquid from the head of the first column to the head of the third column, at least one pipe (23) for supplying the liquid from the tank of the third column to the first condenser-vaporizer, a pipe (25) for supplying a liquid of the tank from the first column to the third column, a pipe (21) for supplying the liquid from the first condenser-vaporizer to the second column, a pipe (15, 19) for supplying gas from the head of the second column to the tank of the third column, wherein the first, second, and third columns are arranged side by side.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9229/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DUAL VARIABLE DOMAIN IMMUNOGLOBULINS AND USES THEREOF

		<p><b>(71)Name of Applicant :</b> <b>1)ABBOTT LABORATORIES</b> Address of Applicant :100 ABBOTT PARK ROAD, ABBOTT PARK, ILLINOIS 60064, UNITED STATES OF AMERICA</p>
(51) International classification	:A61K 39/00	
(31) Priority Document No	:61/174,800	
(32) Priority Date	:01/05/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/033246	
Filing Date	:30/04/2010	
(87) International Publication No	:WO 2010/127294	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

**(72)Name of Inventor :**

- 1)GHAYUR TARIQ**
- 2)BROPHY SUSAN E.**
- 3)DEVARE SUSHIL G.**
- 4)GRENIER FRANK C.**
- 5)MOORE JEFFREY A.**
- 6)RUAN QIAOQIAO**
- 7)TETIN SERGEY Y.**
- 8)STEINHAUS JENNIFER M.**
- 9)LIU JUNJIAN**
- 10)ALI SALMAN**
- 11)SYED HINA N.**

**(57) Abstract :**

Engineered multivalent and multispecific binding proteins, methods of making, and specifically to their uses in the prevention, diagnosis, and/or treatment of disease.

No. of Pages : 227 No. of Claims : 79

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9230/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DUAL VARIABLE DOMAIN IMMUNOGLOBULINS AND USES THEREOF

---

(51) International classification	:C12P 21/08
(31) Priority Document No	:61/174,711
(32) Priority Date	:01/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033231
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/127284
(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)ABBOTT LABORATORIES**

Address of Applicant :100 ABBOTT PARK ROAD,  
ABBOTT PARK, ILLINOIS 60064 UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)GHAYUR TARIQ**

**2)LIU JUNJIAN**

**3)KINGSBURY GILLIAN A.**

**4)REILLY EDWARD B.**

**5)MORGAN-LAPPE SUSAN E.**

---

(57) Abstract :

The present invention relates to engineered multivalent and multispecific binding proteins, methods of making, and specifically to their uses in the prevention, diagnosis, and/or treatment of disease.

No. of Pages : 243 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9255/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SERUM AMYLOID P DERIVATIVES AND THEIR PREPARATION AND USE

---

(51) International classification	:C07K 14/47
(31) Priority Document No	:61/217,931
(32) Priority Date	:04/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037542
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/141918
(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)PROMEDIOR, INC.

Address of Applicant :371 PHOENIXVILLE PIKE  
MALVERN, PA 19355 (US) U.S.A.

(72)Name of Inventor :

1)WILLETT, W, SCOTT

2)CAIMI, RICHARD, J

(57) Abstract :

One aspect of the present invention relates to the surprising discovery that modification of a glycan structure on a human SAP polypeptide can increase the biological activity of the SAP polypeptide relative to a corresponding sample of wild-type SAP isolated from human serum. The disclosure provides both variant human SAP polypeptides and methods for making the same. In particular, the present invention provides methods and compositions for in vitro and in vivo addition, deletion, or modification of sugar residues to produce SAP polypeptides, such as a human SAP polypeptide, having a desired glycosylation pattern.

No. of Pages : 73 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9257/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PRODUCTION OF FATTY ACID ESTERS

(51) International classification	:C12P 7/64
(31) Priority Document No	:61/173,016
(32) Priority Date	:27/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032580
Filing Date	:27/04/2010
(87) International Publication No	:WO 2010/126891
(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)LS9, INC.**

Address of Applicant :600 GATEWAY BLVD., SOUTH SAN FRANCISCO, CA 94080, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SANCHEZ-RIERA, FERNANDO**

**2)DEL CARDAYRE, STEPHEN, B.**

**3)VALLE, FERNANDO**

---

(57) Abstract :

Methods of producing fatty acid esters, such as fatty acid ethyl esters, from microorganisms genetically engineered to alter the expression of genes involved in fatty acid synthesis and/or ethanol production, such that a microorganism is obtained that can produce an alcohol, a fatty acid and an ester synthase in the absence of exogenously added alcohols.

No. of Pages : 119 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9258/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ALUMINIUM MAGNESIUM TITANATE COMPOSITE CERAMICS

---

(51) International classification	:C04B 35/573
(31) Priority Document No	:61/225,608
(32) Priority Date	:15/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/042115
Filing Date	:15/07/2010
(87) International Publication No	:WO 2011/008938
(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)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)IWATO, SATOKO**

**2)YAMANAKA, RINA**

(57) Abstract :

An aluminium magnesium titanate composite ceramic which comprising the firing raw materials, as expressed on a weight percent oxide basis, 36.0-57.0 % of TiO<sub>2</sub>; 41.5-62.0 % of Al<sub>2</sub>O<sub>3</sub>; and 0-2.2 % of MgO, with the sum total of the three components adding up to 100 %, and 0-10 % of SiO<sub>2</sub>, for forming particulate filters, with a relatively high porosity, low thermal expansion efficiency (CTE), and high mechanical strength.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9106/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD FOR PRODUCING A COATED HONEYCOMB BODY

(51) International classification	:F01N 3/28
(31) Priority Document No	:10 2009 018 422.8
(32) Priority Date	:22/04/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/055164
Filing Date	:20/04/2010
(87) International Publication No	:WO 2010/122006
(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)EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH

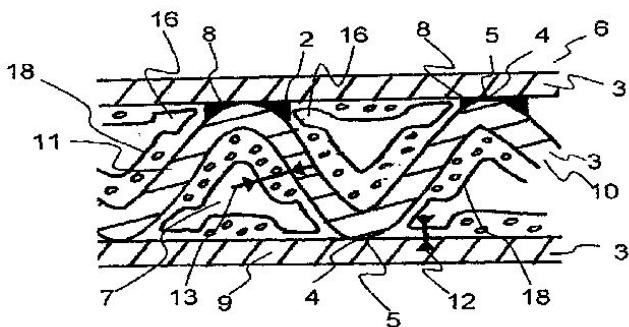
Address of Applicant :HAUPTSTRASSE 128, 53797 LOHMAR (DE) Germany

(72)Name of Inventor :

1)BRUCK, ROLF

(57) Abstract :

The invention relates to a method for producing a metallic honeycomb body (1) that is produced from metallic layers (3), has channels (7) through which an exhaust gas stream can flow, and is provided with a coating (2). Such honeycomb bodies are used in exhaust gas systems of preferably mobile internal combustion engines as catalyst carrier bodies, filters, mixers, and/or adsorbers. The method according to the invention contains a two-stage application of the coating (2) and enables the production of exceptionally advantageous coated metallic honeycomb bodies (1), which are characterized by a large coating surface and a low flow resistance. At the same time, the method according to the invention allows an exceptionally large surface enlargement in a honeycomb body (1) using a lower amount of coating.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9235/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTRODE FOR MOLTEN SALT BATTERY MOLTEN SALT BATTERY, AND METHOD FOR PRODUCING ELECTRODE

(51) International classification	:H01M 4/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2010-102271	<b>1)SUMITOMO ELECTRIC INDUSTRIES, LTD.</b>
(32) Priority Date	:27/04/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME, CHUOKU, OSAKA-SHI, OSAKA 541-0041, JAPAN
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2011/057903	(72) <b>Name of Inventor :</b>
Filing Date	:29/03/2011	<b>1)SAKAI, SYOICHIRO</b>
(87) International Publication No	:WO 2011/135967	<b>2)INAZAWA, SHINJI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MAJIMA, MASATOSHI</b>
Filing Date	:NA	<b>4)NITTA, KOJI</b>
(62) Divisional to Application Number	:NA	<b>5)FUKUNAGA, ATSUSHI</b>
Filing Date	:NA	

(57) Abstract :

An electrode for a molten salt battery includes a current collector 11 connectable to an electrode terminal of the molten salt battery and an active material 12. The current collector 11 has an internal space 13 in which small spaces 14 are mutually coupled. The internal space 13 of the current collector 11 is filled with the active material 12.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9237/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TARGETED SYNTHETIC NANOCARRIERS WITH PH SENSITIVE RELEASE OF IMMUNOMODULATORY AGENTS

(51) International classification

:A61K 47/48

(31) Priority Document No

:61/217,129

(32) Priority Date

:27/05/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/001560

Filing Date

:26/05/2010

(87) International Publication No

:WO 2010/138193

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SELECTA BIOSCIENCES, INC.

Address of Applicant :OF 480 ARSENAL STREET,  
BUILDING ONE, WATERTOWN, MASSACHUSETTS 02472,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ZEPP, CHARLES

2)GAO, YUN

3)KEEGAN, MARK J.

4)BALDWIN, SAM

5)FU, FEN-NI

6)JOHNSTON, LLOYD

7)LIPFORD, GRAYSON B.

---

(57) Abstract :

This invention relates to compositions, and related methods, of synthetic nanocarriers that target sites of action in cells, such as antigen presenting cells (APCs), and comprise immunomodulatory agents that dissociate from the synthetic nanocarriers in a pH sensitive manner. Also disclosed are compositions and methods relating to synthetic nanocarriers that encapsulate labile immunomodulatory agents that dissociate from the synthetic nanocarriers in a pH sensitive manner.

No. of Pages : 99 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/11/2011

(21) Application No.9238/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TREATMENT FOR MULTIPLE SCLEROSIS

(51) International classification	:A61K
(31) Priority Document No	:61/175,471
(32) Priority Date	:05/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/056012
Filing Date	:04/05/2010
(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)MORPHOSYS AG**

Address of Applicant :Lena-Christ-Strasse 48 82152  
Martinsried/Planegg Germany.

(72)**Name of Inventor :**

**1)Stefan STEIDL**

**2)Manuela DRR**

**3)Elisabeth THOMASSEN-WOLF**

**4)Matthew DOWNHAM**

**5)Robert FRIESEN**

---

(57) Abstract :

The present invention relates to methods for the treatment and/or prophylaxis of multiple sclerosis (MS). Antagonists of GM-CSF such as antibodies specific for GM-CSF or the GM-CSF receptor are effective in the treatment and/or prophylaxis of multiple sclerosis.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9271/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : HINGE DAMPER ASSEMBLY

(51) International classification	:E05F 5/00
(31) Priority Document No	:61/183,608
(32) Priority Date	:03/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034630
Filing Date	:13/05/2010
(87) International Publication No	:WO 2010/141192
(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)ILLINOIS TOOL WORKS INC.

Address of Applicant :3600 WEST LAKE AVENUE,  
GLENVIEW, ILLINOIS 60026 UNITED STATES OF  
AMERICA

(72)Name of Inventor :

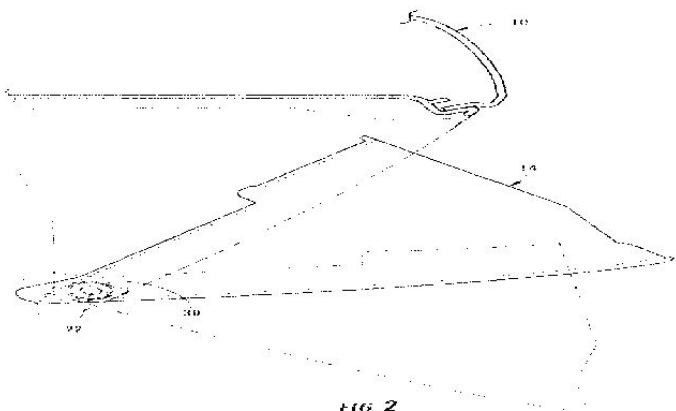
1)BERRY JR., TOBY

2)DOORNBOS, DAVID A.

3)CALBY, DANIEL P.

(57) Abstract :

A damper assembly incorporating a bushing adapted to rotate within a wall structure and engage a post on a bin or other element to be controlled. The bushing defines a hub of an integral, coaxial rotor which rides within a fluid containing housing. The bushing and rotor rotate concurrently about a common axis during rotation of the bin or other device being controlled. The drag on the rotor thereby slows the rotation of the engaged post and the associated bin or other structure being controlled.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9276/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELASTIC COUPLING IN DISC CONSTRUCTION

---

(51) International classification	:F16F 15/16
(31) Priority Document No	:102009025642.3
(32) Priority Date	:17/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/003110
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/145745
(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)VOITH PATENT GMBH**

Address of Applicant :ST. POLTENER STR. 43, 89522  
HEIDENHEIM GERMANY (DE)

(72)Name of Inventor :

**1)POLIFKE, GREGOR**

**2)BROCKMANN, ROLF**

**3)BRENNER, FRANZ**

**4)KOCH, WERNER**

**5)MENNE, ACHIM**

---

(57) Abstract :

The invention relates to an elastic coupling designed such that the contact between at least one axial end of each ring segment (7.1, 7.2, 7.3) and a center disc (3) or the outer edge of at least one of the side discs (1.2, 1.1) is effective only in the state wherein the ring segment is loaded in the circumferential direction by a damping medium or one of the two coupling halves (1, 2), while in the state wherein the ring segment is not loaded in circumferential direction by the damping medium or one of the two coupling halves, a prescribed distance in the radial direction of the coupling is set between the axial end of the ring segment and the center disc and/or the outer edge of at least one of the side discs.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9259/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MATCHING HEALTH CARE PROVIDERS WITH CONSUMERS

(51) International classification	:G06Q 50/00
(31) Priority Document No	:61/177,020
(32) Priority Date	:11/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/34300
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/132393
(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)ANDREW J. PICKEN

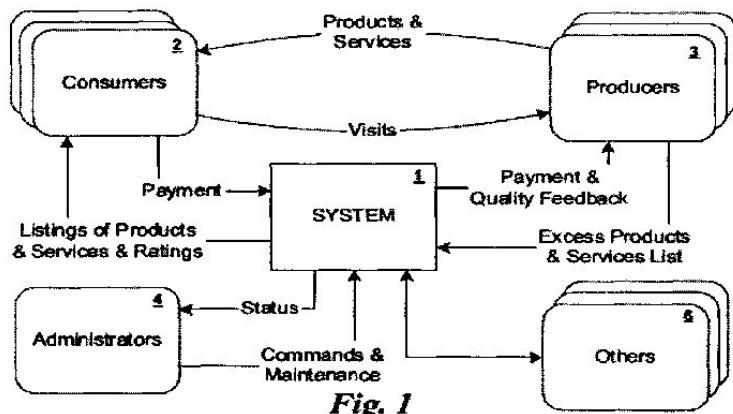
Address of Applicant :216 NW DESPAIN STREET,  
PENDLETON, OR 97801, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ANDREW J. PICKEN

(57) Abstract :

A system and method for providing both healthcare service providers and healthcare product providers a forum for marketing their services directly to healthcare consumers with the system facilitating the payments from the consumers to the providers. FIGURE 1



No. of Pages : 85 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9285/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ROBOTIC ARMS

(51) International classification	:A61B 19/00
(31) Priority Document No	:61/181,505
(32) Priority Date	:27/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036404
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/138715
(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)SYNTHES GMBH**

Address of Applicant :EIMATTSTRASSE 3, CH-4436  
OBERDORF, SWITZERLAND.

(72)Name of Inventor :

**1)JEFFREY W. MAST**

**2)RALPH F. POLIMENI, JR.**

**3)JOHN S. GENT**

(57) Abstract :

A device (102) for treating fractures of a bone comprises a plurality of arms (108), each extending from a proximn end to a distal end and movable in a three-dimensional space, the proximal end of each arm coupled to a frame and a plurality at couplings, each of the couplings coupled to a distal end of each of the plurality of arms, the coupling lockingly receiving a bone fixation element secured to a corresponding bone fragment such that each of the arms is coupled to a corresponding fragment of the bone in combination with a mechanical unit moving each of the arms relative to the frame and a controller receiving data cor--responding to a desired final position of the fragments relative to one another and controlling the mechanical unit to move the arms relative to one another to achieve the desired final position of the bone fragments relative to one another.

No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9288/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : EX-VIVO TREATMENT OF IMMUNOLOGICAL DISORDERS WITH PKC-THETA INHIBITORS

(51) International classification	:A61K 31/505
(31) Priority Document No	:61/173,237
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032707
Filing Date	:28/04/2010
(87) International Publication No	:WO 2010/126967
(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)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

Address of Applicant :BINGER STRASSE 173, 55216  
INGELHEIM AM RHEIM, GERMANY

**2)NEW YORK UNIVERSITY**

(72)Name of Inventor :

**1)MARYANNE BROWN  
2)MICHAEL DUSTIN  
3)ALEXANDRA ZANIN-ZHOROV**

---

(57) Abstract :

Disclosed is a method for treating a variety of diseases and disorders that are mediated or sustained through the activity of PKC-theta, including immunological disorders and atherosclerosis. Specifically, the invention relates to a method of treating an immunological disorder or atherosclerosis in a patient comprising treating blood from the patient, or a defined component of said blood, with an inhibitor of PKC-theta ex vivo and then re-administering the treated blood to the patient.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9289/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : COUPLING DEVICE

(51) International classification	:F16L 37/12
(31) Priority Document No	:2009 2011
(32) Priority Date	:25/05/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000188
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/137990
(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)AKER PUSNES AS

Address of Applicant :SERVICE BOX 732, N-4808  
ARENDAL, NORWAY

(72)Name of Inventor :

1)H"VIK, JON

2)VAN DER WOUDE, RIENTS

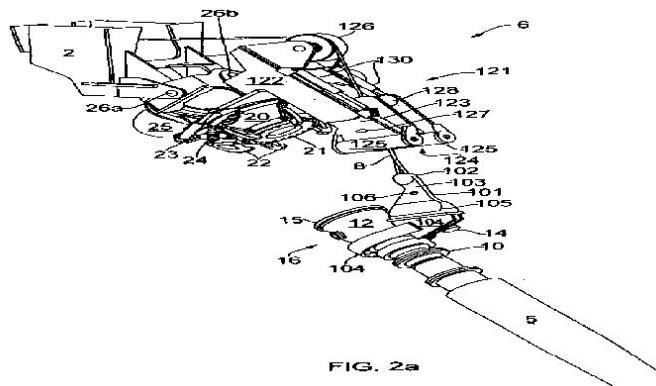
3)YA, BIRGER

4)YA, TOR VIDAR

5)GILDE, OLE-MAGNE

(57) Abstract :

A coupling device for connecting a first coupling housing (12) and a second coupling housing (20) is provided. The first coupling housing (12) comprises a guiding element (101; 201; 301 a-e; 401 b,c; 501 b-d) extending from the first coupling housing (12) and having a free end (102; 202; P) at a distance (h) from the first coupling housing central axis (a-a). The second coupling housing (20) comprises a receptacle (123; 223; 323; 423; 523) for the guiding element and pull-in means (8) for pulling the guiding element into the receptacle, said pull-in means (8) being connected to the guiding element free end (102; 202; P). The invention allows the first coupling housing to be pulled towards the receptacle at an angle which is not coincident with the central axis (a-a), and when the guiding element is in place inside the receptacle, the first coupling housing central axis (a-a) and the central axis (b-b) of the second coupling housing are aligned and coincident, and the two housings are rotationally aligned.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9291/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ANTI CXCR4 ANTIBODIES FOR THE TREATMENT OF HIV

---

(51) International classification	:C12N
(31) Priority Document No	:09159076.0
(32) Priority Date	:29/04/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/055863
Filing Date	:29/04/2010
(87) International Publication No	:WO 2010/125162
(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)PIERRE FABRE MEDICAMENT**

Address of Applicant :45, PLACE ABEL GANCE, F-92100 BOULOGNE-BILLANCOURT, FRANCE

(72)Name of Inventor :

**1)KLINGUER-HAMOUR, CHRISTINE**

(57) Abstract :

The present invention relates to novel isolated antibodies, or the derived compounds or functional fragments of same, capable of binding to CXCR4 but also of inducing conformational changes of the CXCR4 homodimers and able to inhibit HIV-1 primary isolate replication in PBMC. More particularly, the present invention relates to the 515H7 and 301aE5 monoclonal antibodies, specific to the CXCR4 protein, as well as their use for the treatment of HIV infection. Pharmaceutical compositions composed of such antibodies and a process for the selection of such antibodies are also covered.

No. of Pages : 133 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9265/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : MULTIPURPOSE MACHINE FOR THE AUTOMATIC APPLICATION OF COVERS OR FLYLEAVES AND SPINES

(51) International classification	:B42C 11/04
(31) Priority Document No	:PD2009A000151
(32) Priority Date	:26/05/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/051202
Filing Date	:19/03/2010
(87) International Publication No	:WO 2010/136907
(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)4 B-FOUR BIND S.R.1.**

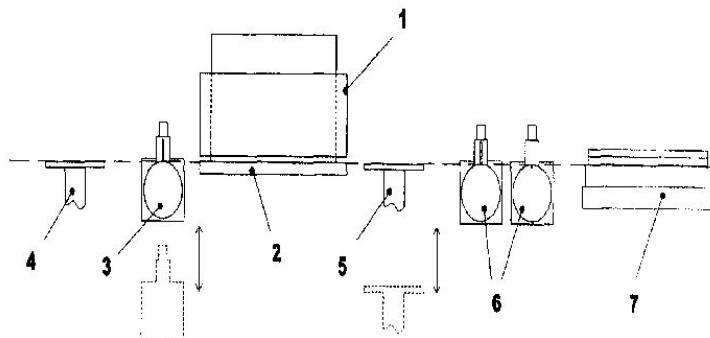
Address of Applicant :VIA SANTA LUCIA, 24, I-35139  
PADOVA, ITALY

(72)Name of Inventor :

**1)TOGNIN, GIANNI**

(57) Abstract :

The present invention concerns a new multipurpose machine for the automatic application of covers or flyleaves and spines, comprising a vice (1) that carries the body of the book and any flyleaves from a jogger (2) on one side to a first lateral glue applicator assembly (3) and a first milling cutter (4) for trimming the body of the book, and on the other side to a second milling cutter (5) for trimming the back of the text blocks, with a second assembly (6) for applying lateral and dorsal glue, and also comprising a device for positioning spines and a press (7) for attaching spines or paperback covers.



**Fig. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9266/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD AND SYSTEM FOR DETECTING THE OPEN OR CLOSED STATE OF THE EYES OF A FACE.

(51) International classification	:G06K 9/00
(31) Priority Document No	:0953422
(32) Priority Date	:25/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/056948
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/136376
(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)ST-ERICSSON SA

Address of Applicant :CHEMIN DU CHAMPS-DES-FILLES  
39, CH-1228 PLAN-LES-OUATES,, SWITZERLAND.

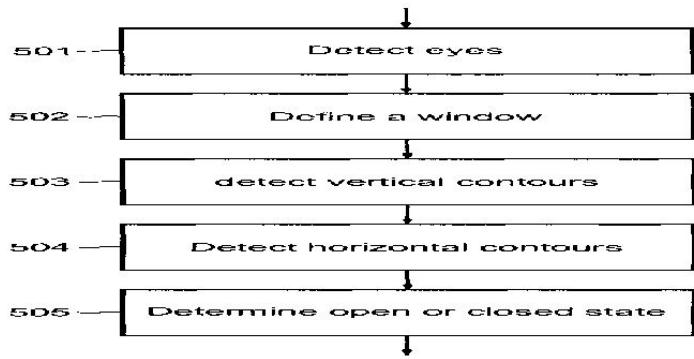
(72)Name of Inventor :

1)HERMANT-SANTINI, GWLADYS

(57) Abstract :

Method of detecting the open or closed state of at least one eye of a face, comprising a detection of an eye of a face and associated system. The method comprises a detection of vertical contours of the eye, and a determination of the open or closed state of the eye on the basis of the vertical contours detected.

**FIG.5**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9269/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COOLING APPARATUS, COOLING METHOD, MANUFACTURING APPARATUS, AND MANUFACTURING METHOD OF HOTROLLED STEEL SHEET

(51) International classification	:B21B 45/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-156247	<b>1)SUMITOMO METAL INDUSTRIES, LTD.</b>
(32) Priority Date	:30/06/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME CHUO-KU, OSAKA-SHI OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/060970	(72) <b>Name of Inventor :</b>
Filing Date	:28/06/2010	<b>1)ETO, MANABU</b>
(87) International Publication No	:WO 2011/001934	<b>2)HARAGUCHI, YOICHI</b>
(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 cooling apparatus, a cooling method, a manufacturing apparatus, and a manufacturing method of a hot-rolled steel sheet which are capable of manufacturing a hot-rolled steel sheet having ultra fine crystal grains. In the cooling apparatus of a hot-rolled steel sheet, when defining as L1, a length in a transporting direction of a steel sheet, of a zone from a rolling reduction point in a final stand to an exit side of a housing post; defining as L2, a length in the transporting direction of the steel sheet, of an area in which high-pressure water is continuously sprayed over the steel sheet, within the zone; and defining a ratio of L2/L1 as X, an average value Ps [kPa], in the transporting direction of the steel sheet, of an impact pressure of the high-pressure water on a surface of the steel sheet in the area of the length L2 satisfies  $Ps \geq 2.5X(-1/0.6)$  on the above upper surface and lower surface of the steel sheet. The cooling method uses the cooling apparatus. The manufacturing apparatus of a hot-rolled steel sheet comprises a final stand of a row of hot finish rolling mills and the cooling apparatus in the mentioned order in the transporting direction of the steel sheet. And the manufacturing method of a hot-rolled steel sheet comprises a process to treat the steel sheet rolled in the final stand of the row of hot finish rolling mills by using the manufacturing apparatus.

No. of Pages : 64 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9298/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR A RATIONAL CELL CULTURING PROCESS

---

(51) International classification	:C12N 5/00
(31) Priority Document No	:09161407.3
(32) Priority Date	:28/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/057305
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/136515
(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)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

Address of Applicant :BINGER STRASSE 173, 55216  
INGELHEIM AM RHEIN, GERMANY

(72)Name of Inventor :

**1)JOCHEN SCHAUB**

**2)TORSTEN SCHULZ**

(57) Abstract :

Biopharmaceutical process development with recombinant protein producing mammalian cells has realized a tremendous increase in both productivity and product yields in the past years. These achievements can be mainly attributed to the advancements in cell line development, media, and process optimization. Only recently, genome-scale technologies enable a system-level analysis to elucidate the complex biomolecular basis of protein production in mammalian cells promising an increased process understanding and the deduction of knowledge-based approaches for further process optimization. The present invention describes a method for a rational cell culturing process using such a knowledge-based approach.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9280/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BACILLUS STRAIN FOR INCREASED PROTEIN PRODUCTION

---

(51) International classification	:C07K 14/32
(31) Priority Document No	:61/186,321
(32) Priority Date	:11/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037040
Filing Date	:02/06/2010
(87) International Publication No	:WO 2010/144283
(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)DANISCO US INC.

Address of Applicant :925 PAGE MILL ROAD, PALO ALTO, CALIFORNIA 94304 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)FERRARI EUGENIO

2)BONGIORNI CRISTINA

(57) Abstract :

The present invention provides host cells that have been genetically manipulated to have an enhanced capacity to produce proteins of interest. In particular, the invention relates to modified Bacillus sp. host cells that have at least one inactivated phr gene. The enhanced production of proteins of interest by the modified Bacillus sp. host cells is further increased in modified Bacillus sp. host cells that overexpress YmaH. Methods for producing proteins of interest in the modified host cells are also provided.

No. of Pages : 159 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9283/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : 4-AMINOPICOLINATES AND THEIR USE AS HERBICIDES

---

(51) International classification	:C07D 213/79
(31) Priority Document No	:0910766.5
(32) Priority Date	:22/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/001213
Filing Date	:21/06/2010
(87) International Publication No	:WO 2010/149956
(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)SYNGENTA LIMITED**

Address of Applicant :EUROPEAN REGIONAL CENTRE,  
PRIESTLEY ROAD, SURREY RESEARCH PARK,  
GUILDFORD, SURREY GU2 7YH, GREAT BRITAIN U.K.

(72)Name of Inventor :

**1)WHITTINGHAM WILLIAM GUY**

**2)HACHISU SHUJI**

**3)HOTSON MATTHEW BRIAN**

---

(57) Abstract :

The present invention relates to substituted 4-aminopicolinates as well as N- oxides and agriculturally acceptable salts thereof, and their use in controlling plant growth, particularly undesirable plant growth, in crops of useful plants. The invention extends to herbicidal compositions comprising such compounds, N- oxides and/or salts as well as mixtures of the same with one or more further active ingredients and/or a safener.

No. of Pages : 118 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9304/DELNP/2011 A

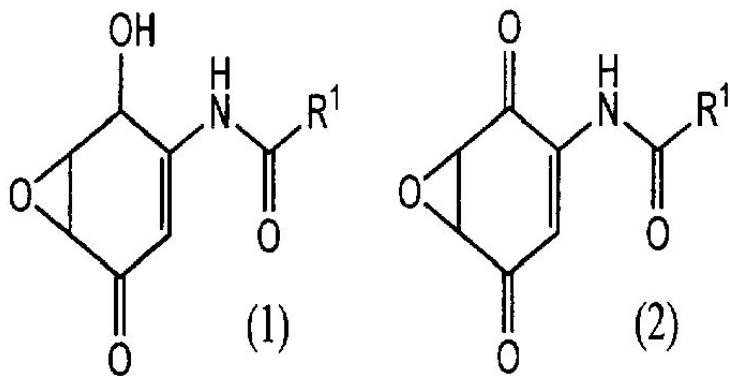
(43) Publication Date : 22/02/2013

(54) Title of the invention : BENZAMIDE AND NAPHTHAMIDE DERIVATIVES INHIBITING NUCLEAR FACTOR-KAPPA(B) (NF-KB)

(51) International classification	:C07D 303/14	(71)Name of Applicant :
(31) Priority Document No	:61/174,931	1)PROFECTUS BIOSCIENCES, INC.
(32) Priority Date	:01/05/2009	Address of Applicant :6411 BECKLEY STREET,
(33) Name of priority country	:U.S.A.	BALTIMORE, MD 21224, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2010/032880	(72)Name of Inventor :
Filing Date	:29/04/2010	1)JIE ZHANG
(87) International Publication No	:WO 2010/127058	2)D. ROBERT SLISKOVIC
(61) Patent of Addition to Application Number	:NA	3)CHARLES E. DUCKER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to compounds of formula (1) and formula (2), and pharmaceutically acceptable salts thereof for the treatment of cancer, inflammation, auto-immune diseases, diabetes and diabetic complications, infection, cardiovascular disease and ischemia-reperfusion injuries, wherein R1 is defined herein.



No. of Pages : 52 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9305/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SPLIT-CYCLE AIR-HYBRID ENGINE WITH EXPANDER DEACTIVATION

---

(51) International classification	:F02B 33/22
(31) Priority Document No	:61/313,831
(32) Priority Date	:15/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/028284
Filing Date	:14/03/2011
(87) International Publication No	:WO 2011/115872
(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)SCUDERI GROUP, LLC**

Address of Applicant :1111 ELM STREET, SUITE 33, WEST SPRINGFIELD, MA 01089, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)RICCARDO MELDOLESI**

**2)NICHOLAS BADAIN**

**3)IAN GILBERT**

(57) Abstract :

A split-cycle air-hybrid engine includes a rotatable crankshaft. A compression piston is slidably received within a compression cylinder and operatively connected to the crankshaft. An expansion piston is slidably received within an expansion cylinder and operatively connected to the crankshaft. An exhaust valve selectively controls gas flow out of the expansion cylinder. A crossover passage interconnects the compression and expansion cylinders. The crossover passage includes a crossover compression (XovrC) valve and a crossover expansion (XovrE) valve therein. An air reservoir is operatively connected to the crossover passage. An air reservoir valve selectively controls air flow into and out of the air reservoir. In an Air Compressor (AC) mode of the engine, the XovrE valve is kept closed during an entire rotation of the crankshaft, and the exhaust valve is kept open for at least 240 CA degrees of the same rotation of the crankshaft.

No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9307/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CATALYST SUPPORT USED FOR OLEFINIC POLYMERIZATION AND PREPARING METHOD AND APPLICATION THEREOF

(51) International classification	:C07C	(71) Name of Applicant :
(31) Priority Document No	:200910098801.5	1) CHINA PETROLEUM & CHEMICAL CORPORATION Address of Applicant :22A CHAOYANGMENBEI STREET
(32) Priority Date	:18/05/2009	CHAOYANG DISTRICT BEIJING 100728 CHINA
(33) Name of priority country	:China	2) ZHEJIANG UNIVERSITY
(86) International Application No Filing Date	:PCT/CN2010/000502 :15/04/2010	(72) Name of Inventor :
(87) International Publication No	: NA	1) YANG Yongrong
(61) Patent of Addition to Application Number	:NA	2) WU Wenqing
Filing Date	:NA	3) XU Xiudong
(62) Divisional to Application Number	:NA	4) WANG Jingdai
Filing Date	:NA	5) DU Lijun

(57) Abstract :

An inorganic/organic composite support includes an inert inorganic material a complex compound composed of a polyol and a magnesium halide and an organic polymer containing a polar functional group. Said complex compound loaded with the organic polymer is deposited on the inert inorganic material. When the inorganic/organic composite support used as a polyolefin catalyst carrier is applied to ethene or propylene polymerization the fusion-flow ratio of the obtained polymerisate is remarkably increased and its processing performance is improved. When the catalyst is applied to ethene polymerization the fusion-flow ratio of the polymerisate can be adjusted by changing the content of hydrogen. When the catalyst is applied to ethene or propylene polymerization the catalyst activity is high.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9300/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FUSION FORMABLE SODIUM CONTAINING GLASS

---

(51) International classification

:C03C 3/087

(31) Priority Document No

:61/182,386

(32) Priority Date

:29/05/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/036371

Filing Date

:27/05/2010

(87) International Publication No

:WO 2010/138698

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING,  
NEW YORK 14831, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BRUCE GARDINER AITKEN**

**2)JAMES EDWARD DICKINSON JR.**

**3)TIMOTHY J. KICZENSKI**

**4)MICHELLE DIANE PIERSON-STULL**

---

(57) Abstract :

Sodium-containing aluminosilicate and boroaluminosilicate glasses are described herein. The glasses can be used as substrates for photovoltaic devices, for example, thin film photovoltaic devices such as CIGS photovoltaic devices. These glasses can be characterized as having strain points  $\geq 540^{\circ}\text{C}$ , thermal expansion coefficient of from 6.5 to 9.5 ppm/ $^{\circ}\text{C}$ , as well as liquidus viscosities in excess of 50,000 poise. As such they are ideally suited for being formed into sheet by the fusion process.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9320/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : IRIDIUM COMPLEX WITH METHYL-D3 SUBSTITUTION

(51) International classification	:C09K 11/06
(31) Priority Document No	:61/173,346
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032720
Filing Date	:28/04/2010
(87) International Publication No	:WO 2010/129323
(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)UNIVERSAL DISPLAY CORPORATION

Address of Applicant :375 PHILLIPS BOULEVARD,  
EWING, NJ 08618, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)XIA, CHUANJUN

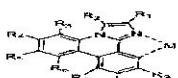
2)FIORDELISO, JAMES

3)KWONG, RAYMOND, C.

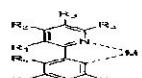
4)ALLEYNE, BERT

(57) Abstract :

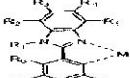
Novel organic compounds comprising ligands with deuterium substitution are provided. In particular, the compound is an iridium complex comprising methyl-d substituted ligands. The compounds may be used in organic light emitting devices to provide devices having improved color, efficiency and lifetime.



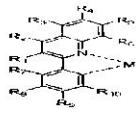
III



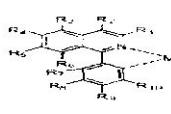
IV



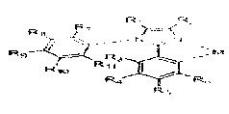
V



VI



VII



VIII

FIGURE 4

No. of Pages : 101 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9321/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : A METHOD OF NUCLEIC ACID AMPLIFICATION

(51) International classification	:C12P 19/34
(31) Priority Document No	:61/217,707
(32) Priority Date	:02/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/AU2010/000680
Filing Date	:02/06/2010
(87) International Publication No	:WO 2010/139010
(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)MONOQUANT PTY LTD**

Address of Applicant :147 FROME STREET, ADELAIDE,  
SOUTH AUSTRALIA 5000 AUSTRALIA

**2)FLINDERS UNIVERSITY**

(72)Name of Inventor :

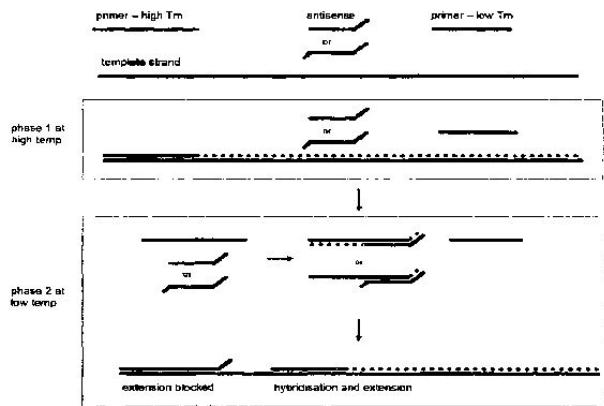
**1)MORLEY, ALEXANDER ALAN**

**2)BRISCO, MICHEL JULIAN**

(57) Abstract :

The present invention relates generally to a method of amplifying a nucleic acid region of interest and, more particularly, to a method of amplifying a nucleic acid region of interest via a nested single tube PCR. The method of the invention is designed to provide a means to selectively inactivate the functionality of the outer primer or primers and to maintain amplification efficiency throughout the reaction. The development of a means to achieve efficient amplification by the outer primer followed by efficient amplification with the inner primers, in the context of a single tube nested PCR, is useful in a range of applications including, but not limited to, the diagnosis and/or monitoring of disease conditions which are characterised by specific gene sequences and the characterisation or analysis of specific gene regions of interest. Still further, the method of the present invention enables quantification to be performed and not just simple detection.

FIGURE 1



No. of Pages : 67 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9322/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : (DIHYDRO) IMIDAZOISO (5, 1-A) QUINOLINES AS FSH RECEPTOR AGONISTS FOR THE TREATMENT OF FERTILITY DISORDERS

(51) International classification	:C07D 471/04
(31) Priority Document No	:09161274.7
(32) Priority Date	:27/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/057134
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/136438
(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)N.V. ORGANON

Address of Applicant :KLOOSTERAASTRAAT 6, NL-5349 AB OSS NETHERLANDS

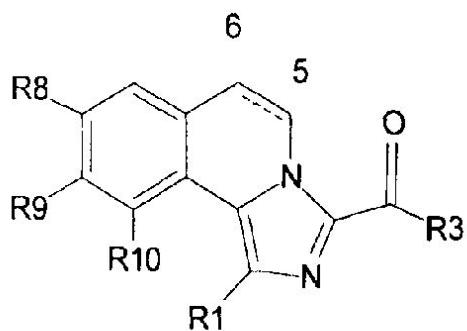
(72)Name of Inventor :

1)LOOZEN, HUBERT, JAN, JOZEF

2)TIMMERS, CORNELIS, MARIUS

(57) Abstract :

The invention relates to imidazoiso[5,1-a]quinoline and 5,6-dihydro-imidazoiso[5,1-a]quinoline derivatives according to general Formula I Formula I or a pharmaceutically acceptable salt thereof. The compounds can be used for the treatment of infertility.



Formula I

No. of Pages : 121 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9330/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VERTICAL AXIS WIND TURBINE AND GENERATOR THEREFORE

---

(51) International classification	:F03D 3/06
(31) Priority Document No	:61/213,281
(32) Priority Date	:22/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/029402
Filing Date	:31/03/2010
(87) International Publication No	:WO 2010/135032
(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)IMPACT TECHNOLOGIES GROUP, INC.**

Address of Applicant :920 SPENCER STREET, SYRACUSE,  
NEW YORK 13204 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GRASSMAN DEREK**

(57) Abstract :

A vertical wind turbine is provided that includes a support base defined about an axis, a bearing assembly, a drive shaft having a proximal end and an opposing distal end, and a multistage axial flux generator. The bearing assembly includes a fixed ring and a rotating ring, wherein the fixed ring is coupled to the support base. The drive shaft is coupled to the rotating ring of the bearing assembly, and a plurality of sails are coupled to the drive shaft. The multistage axial flux generator includes a rotor assembly coupled to the drive shaft and a stator assembly coupled to the support base. The rotor assembly includes a plurality of permanent magnets, and the stator assembly includes a plurality of coils defining at least two voltage output stages. The permanent magnets on the rotor assembly are close-coupled to the coils on the stator assembly.

No. of Pages : 29 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/11/2011

(21) Application No.9292/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DEVICE FOR THE REFLEX CORRECTION OF FUNCTIONAL DISORDERS OF THE BODY

(51) International classification	:A61H 39/06
(31) Priority Document No	:2009120325 (RU)
(32) Priority Date	:28/05/2009
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2010/000276
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/138025
(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)MUZHIKOV, VALERY GENNADIEVICH**

Address of Applicant :UL. GZHATSKAYA, 5/3-139 ST.  
PETERSBURG, 195220, RUSSIA

(72)Name of Inventor :

**1)MUZHIKOV, VALERY GENNADIEVICH**

(57) Abstract :

The invention relates to reflexology and is intended for monitoring and correcting the functional state of the human body on the basis of thermal pain threshold measurements taken at acupuncture points at the inlet/outlet of the primary channels. The device comprises a diagnosis and treatment module (1), a control and communication unit (2) and a server (3), which are linked by bidirectional communication channels (12, 13). The module (1) is in the form of a pen (32) with an independent power supply (10) and a receiving and transmitting unit (11). The module (1) is provided with an element for exercising a thermal effect on the acupuncture points, which is in the form of an infrared light-emitting diode (4) connected to a controlled current generator (6), a radiation indicator (5), a start/stop switch (7), an input/output unit (8) and a microcontroller (9). The control and communication unit (2) takes the form of a patient's mobile telephone or computer, which is assigned the functions of data receipt and transmission, data display and module (1) control by the loading of a resident program thereon. The pen (32) serves as a peripheral state sensor and a treatment device that is inexpensive for the patient, and all processing of individual patient data is carried out on the server (3). The technical result is an increase in the efficiency with which computing resources are used, a reduction in the cost of the patient apparatus and an increase in the functional capabilities of the device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9342/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : WASHING DEVICE FOR WATER TREATMENT APPARATUS AND WASHING METHOD THEREOF

(51) International classification

:B01D 35/16

(31) Priority Document No

:KR 10-2009-  
0047174

(32) Priority Date

:28/05/2009

(33) Name of priority country

:Republic of Korea

(86) International Application No  
Filing Date

:PCT/KR2009/008011  
:31/12/2009

(87) International Publication No

:WO 2010/137787

(61) Patent of Addition to Application  
Number

:NA  
:NA

Filing Date

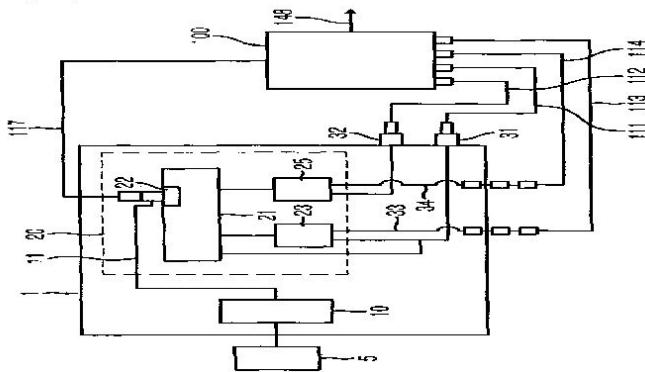
(62) Divisional to Application Number  
Filing Date

:NA  
:NA

(57) Abstract :

The present invention relates to a washing device for a water treatment apparatus and a washing method thereof that can wash hard to reach areas with hands inside the water treatment apparatus. A washing device for a water treatment apparatus according to an aspect of the invention may include: circulation members connected to passages of the water treatment apparatus to circulate wash water through the passages of the water treatment apparatus; and a circulation module connected to the circulation members and circulating the wash water through the passages of the water treatment apparatus and the circulation members to thereby wash the passages of the water treatment apparatus. A washing method of a water treatment apparatus according to another aspect of the invention may include: a wash water inflow operation in which wash water flows into circulation members; and a circulation washing operation in which a circulation modulation is operated to circulate the wash water through passages of the wash treatment apparatus. Figure: 1

[FIG. 1]



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9349/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HEAT RECOVERY FROM A CARBON DIOXIDE CAPTURE AND COMPRESSION PROCESS FOR FUEL TREATMENT

(51) International classification	:B01D 53/62	(71) <b>Name of Applicant :</b> <b>1)ALSTOM TECHNOLOGY LTD.</b> Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND.
(31) Priority Document No	:61/176733	
(32) Priority Date	:08/05/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/034016	(72) <b>Name of Inventor :</b>
Filing Date	:07/05/2010	<b>1)BUTLER JOHN O</b>
(87) International Publication No	:WO 2010/129856	<b>2)KOTDAWALA RASESH R</b>
(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 process for capturing CO<sub>2</sub> 100 is disclosed. The process 100 includes reusing heat from a CO<sub>2</sub> compression process 120 by providing the heat to a fuel treatment process 130. The heat may be used to dry a fossil fuel to improve the efficiency of the fossil fuel combustion.

No. of Pages : 19 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9351/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : 'NEW CHEMICAL COMPOUNDS

(51) International classification	:C07D 239/48
(31) Priority Document No	:09161496.6
(32) Priority Date	:29/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/057408
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/136559
(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)BOEHRINGER INGELHEIM INTERNATIONAL GMBH

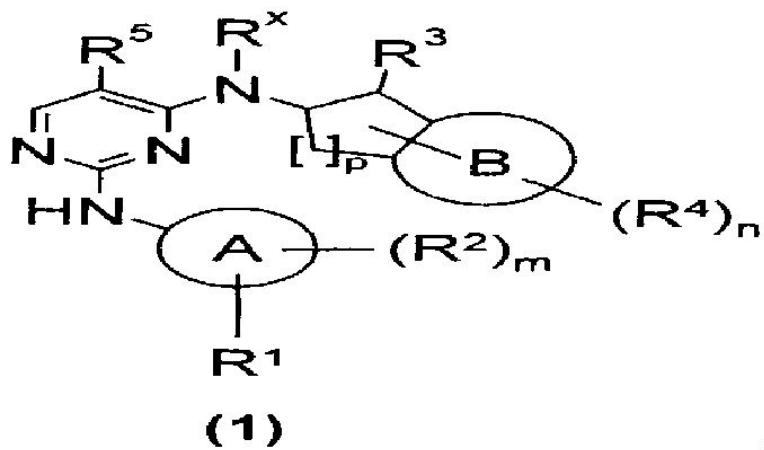
Address of Applicant :BINGER STRASSE 173, 55216 INGELHEIM AM RHEIN, GERMANY

(72)Name of Inventor :

1)IOANNIS SAPOUNTZIS  
2)HEINZ STADTMUELLER  
3)DANIEL KUHN

(57) Abstract :

The present invention encompasses compounds of general formula (1) , wherein A, B, R1 to R5, Rx m, n and p are defined as in claim 1, which are suitable for the treatment of diseases characterised by excessive or abnormal cell proliferation, pharmaceutical preparations which contain such compounds and the use thereof [as] medicaments.



No. of Pages : 84 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9313/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ANTIVIRAL COMPOUNDS

(51) International classification	:C07D 401/14	(71)Name of Applicant :
(31) Priority Document No	:61/177,972	1)GILEAD SCIENCES, INC.
(32) Priority Date	:13/05/2009	Address of Applicant :333 LAKESIDE DRIVE, FOSTER CITY, CALIFORNIA 94404, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2010/034600	1)GUO, HONGYAN 2)KATO, DARRYL 3)KIRSCHBERG, THORSTEN. A. 4)LIU, HONGTAO 5)LINK, JOHN, O. 6)MITCHELL, MICHAEL, L. 7)PARRISH, JAY, P. 8)SQUIRES, NEIL 9)SUN, JIANYU 10)TAYLOR, JAMES 11)BACON, ELIZABETH, M. 12)CANALES, EDA 13)CHO, AESOP 14)KIM, CHORNG, U. 15)COTTELL, JEROMY, J. 16)DESAI, MANOJ, C. 17)HALCOMB, RANDALL, L. 18)KRYGOWSKI, EVAN, S. 19)LAZERWITH, SCOTT, E. 20)LIU, QI 21)MACKMAN, RICHARD 22)PYUN, HYUNG-JUNG 23)SAUGIER, JOSEPH, H. 24)TRENKLE, JAMES, D. 25)TSE, WINSTON, C. 26)VIVIAN, RANDALL, W. 27)SCHROEDER, SCOTT, D. 28)WATKINS, WILLIAM, J. 29)XU, LIANHONG 30)YANG, ZHENG-YU 31)SELLAR, TERRY 32)SHENG, XIAONING 33)CLARKE, MICHAEL, O'NEIL, HANRAHAN 34)CHOU, CHIEN-HUNG 35)GRAUPE, MICHAEL 36)JIN, HAOLUN 37)MCFADDEN, RYAN 38)MISH, MICHAEL, R. 39)METOBO, SAMUEL, E. 40)PHILLIPS, BARTON, W. 41)VENKATARAMANI, CHANDRASEKAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(87) International Publication No	:WO 2010/132601	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is related to anti-viral compounds, compositions containing such compounds,! land therapeutic methods that include the administration of such compounds, a well as to processes and intermediates useful for preparing such compounds.

No. of Pages : 1089 No. of Claims : 173

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9315/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : AVATAR INTEGRATED SHARED MEDIA EXPERIENCE

(51) International classification	:G06Q 50/00
(31) Priority Document No	:61/217,268
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036428
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/138734
(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)MICROSOFT CORPORATION**

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

**1)MATTINGLY, ANDREW LAWRENCE**

**2)KRAMP, BRIAN CHARLES**

**3)SOEMO, THOMAS M.**

**4)MAYS, EDDIE**

(57) Abstract :

A method and system are disclosed in which a group of people are able to replicate the physical world experience of going with a group of friends to pick a movie, watch the movie together, and provide commentary on the movie itself in the virtual world on a virtual couch while each user is sitting in different physical locations. Additionally, the virtual representation of the destination that the group of people are watching the movie together in can be themed to allow users to watch movies in different locations pivoting on special events or by the users choice.

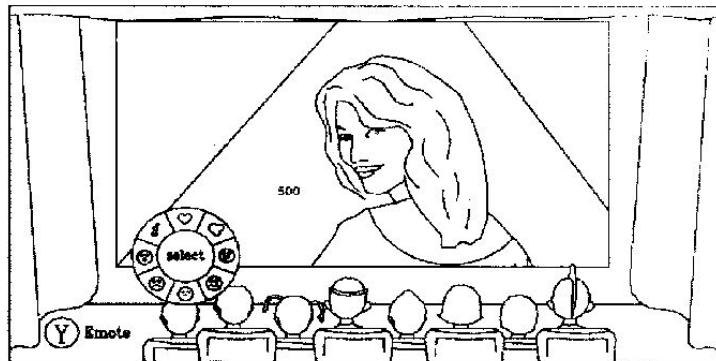


FIG. 5F

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9318/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ANTI-GLITCH SYSTEM FOR AUDIO AMPLIFIER

(51) International classification	:H03F 1/30
(31) Priority Document No	:09 53599
(32) Priority Date	:29/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/057311
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/136520
(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)ST-ERICSSON (GRENOBLE) SAS

Address of Applicant :12, RUE JULES HOROWITZ, F-38000 GRENOBLE, FRANCE

2)ST-ERICSSON SA

(72)Name of Inventor :

1)CELLIER, REMY

2)AMIARD, FRANCOIS

(57) Abstract :

An audio amplification circuit comprises an amplifier (10) having an input (11) and an output (13), as well as an audio output (40) to which a load ( $R_C$ ) can be connected. It additionally comprises a first driver stage (21) having an input and an output (S1) which is not coupled to the audio output, and a second driver stage (22) having an input and an output (S2) which is coupled to the audio output. The output from the amplifier is selectively coupled to the input of the first driver stage in a first phase of operation following the powering on of the circuit, or to the input of the second driver stage in a second phase of operation following the first phase of operation.

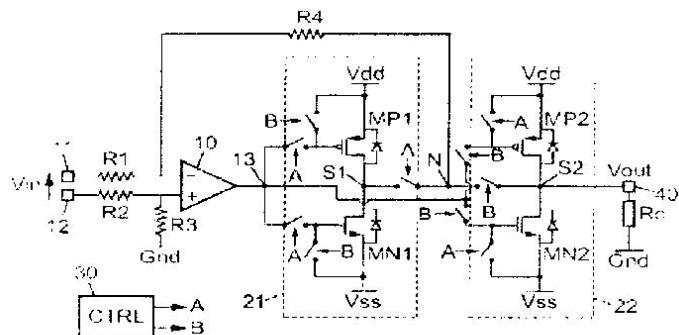


FIG. 2

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9369/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AQUEOUS PHARMACEUTICAL COMPOSITIONS CONTAINING BORATE-POLYOL COMPLEXES

(51) International classification	:A61K 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/218,472	<b>1)ALCON RESEARCH, LTD</b>
(32) Priority Date	:19/06/2009	Address of Applicant :6201 SOUTH FREEWAY, MAIL
(33) Name of priority country	:U.S.A.	CODE TB 4-8, FORT WORTH, TX 76134-2099, UNITED
(86) International Application No	:PCT/US2010/038979	STATES OF AMERICA
Filing Date	:17/06/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/148190	<b>1)KABRA, BHAGWATI P.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is directed to the provision of multi-dose, ophthalmic compositions. The compositions possess sufficient antimicrobial activity to satisfy USP preservative efficacy requirements, as well as similar preservative standards (e.g.. 1.1' and JP). The compositions include at two different polyols in conjunction with borate and a low concentration of benzalkonium chloride.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9370/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ACTIVE METABOLITE OF A THROMBIN RECEPTOR ANTAGONIST

(51) International classification	:C07D 405/06
(31) Priority Document No	:61/184,147
(32) Priority Date	:04/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036984
Filing Date	:02/06/2010
(87) International Publication No	:WO 2010/141525
(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)SCHERING CORPORATION

Address of Applicant :2000 GALLOPING HILL ROAD,  
KENIL WORTH, NEW JERSEY 07033-0530 UNITED STATES  
OF AMERICA

(72)Name of Inventor :

1)PENNER, NATALIA, A.  
2)VORONIN, KIMBERLY, NGUYEN

(57) Abstract :

Disclosed herein is an active metabolite (M20) of a molecule that is useful as a thrombin receptor antagonist: Also disclosed are formulations of this compound, synthetic routes to this compound, and methods of treating a variety of cardiovascular conditions, including acute coronary syndrome and peripheral arterial disease, and of effecting secondary prevention, by orally administering the active metabolite.

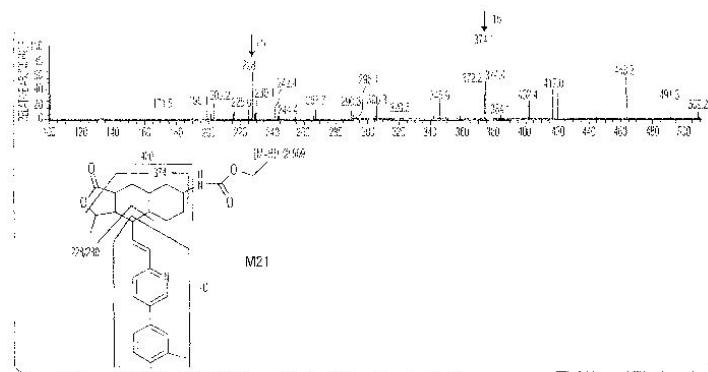


FIG. 9

No. of Pages : 50 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9371/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : POLYMER MICELLES CONTAINING SN-38 FOR THE TREATMENT OF CANCER

(51) International classification	:A61K 9/14
(31) Priority Document No	:61/175,401
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033588
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/129581
(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)INTEZYNE TECHNOLOGIES, INCORPORATED**  
Address of Applicant :3720 SPECTRUM BOULEVARD,  
SUITE 104, TAMPA, FLORIDA 33612 UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)SILL KEVIN, N.**  
**2)SKAFF, HABIB**  
**3)CARIE, ADAM**  
**4)RIOS-DORIA, JONATHAN**  
**5)SLAMA, RICHARD**  
**6)CARDOEN, GREGOIRE**

---

(57) Abstract :

The present invention provides micelles having SN-38 encapsulated therein.

No. of Pages : 133 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9374/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LYOPHILIZED FORMULATIONS FOR SMALL MODULAR IMMUNOPHARMACEUTICALS

(51) International classification	:A61K 9/19
(31) Priority Document No	:61/218,386
(32) Priority Date	:18/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039227
Filing Date	:18/06/2010
(87) International Publication No	:WO 2010/148337
(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)WYETH LLC**

Address of Applicant :FIVE GIRALDA FARMS, MADISON,  
NEW JERSEY, 07940 UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)KANTOR ANGELA**

**2)LI LI**

**3)LUKSHA NICHOLAS**

**4)TECHESSALOV SERGUEI**

**5)WARNE NICHOLAS**

---

(57) Abstract :

The present invention provides, among other things, stable formulations for small modular immunopharmaceutical (SMIP,,) proteins. In some embodiments, the present invention provides a formulation containing a lyophilized mixture of a small modular immunopharmaceutical protein, wherein less than 7% of the lyophilized small modular immunopharmaceutical protein exists in aggregated form. Formulations according to the invention may contain buffering agents, stabilizers, bulking agents, surfactants and/or other excipients. The present invention also provides formulations for lyophilization, reconstitution and methods of use thereof.

No. of Pages : 91 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9333/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MODIFYING COMMAND SEQUENCES

(51) International classification	:H04N 7/24
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/058067
Filing Date	:26/06/2009
(87) International Publication No	:WO 2010/149227
(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)NOKIA SIEMENS NETWORKS OY**

Address of Applicant :KARAPORTTI 3, FI- 02610 ESPOO,  
FINLAND

(72)**Name of Inventor :**

**1)BODI, MIKLOS TAMAS**

**2)FARKAS, LORANT**

**3)GESZTESI, GABOR**

(57) Abstract :

A method of modifying a command sequence comprising a plurality of commands, the commands having a schedule by which they are to be executed, comprising the steps of: transforming (202) the commands into in-time sub-commands which have to be executed according to the schedule and preparation sub-commands which are not constrained to be executed according to the schedule; and adjusting (204, 206) the order of the sub- commands so that estimated periods during which the sub-command components of the second type are executed do not overlap with the periods during which the sub-command components of the first type are executed.

No. of Pages : 52 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9334/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMMUNOMODULATORY AGENT-POLYMERIC COMPOUNDS

(51) International classification	:A61K 47/48
(31) Priority Document No	:61/217,117
(32) Priority Date	:27/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001561
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/138194
(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)SELECTA BIOSCIENCES, INC.

Address of Applicant :480 ARSENAL STREET, BUILDING ONE, WATERTOWN, MASSACHUSETTS 02472, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)ZEPP, CHARLES

2)LIPFORD, GRAYSON B.

3)GAO, YUN

4)JOHNSTON, LLOYD

5)FU, FEN-NI

6)KEEGAN, MARK J.

7)BALDWIN, SAM

---

(57) Abstract :

This invention relates to compositions, and related compounds and methods, of conjugates of immunomodulatory agents and polymers or unit(s) thereof. The conjugates may be contained within synthetic nanocarriers, and the immunomodulatory agents may be released from the synthetic nanocarriers in a pH sensitive manner.

No. of Pages : 123 No. of Claims : 122

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2011

(21) Application No.9339/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : HETEROCYCLIC SUBSTITUTED ACARDITE DERIVATE AND APPLICATION THEREOF

(51) International classification	:C07D 215/48
(31) Priority Document No	:200910026748.8
(32) Priority Date	:05/05/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072417
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/127608
(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)JIANGSU PROVINCIAL INSTITUTE OF MATERIA MEDICA CO., LTD.

Address of Applicant :NO. 26 MAJIA STREET, NANJING, JIANGSU 210009 (CN) China

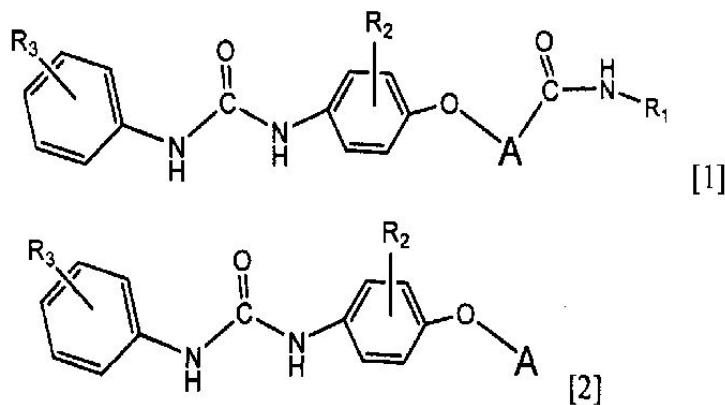
2)NANJING LUYESIKE PHARMACEUTICAL CO., LTD.

(72)Name of Inventor :

- 1)ZHANG, AIHUA
- 2)YUAN, SHENGTAO
- 3)CHENG, GUANG
- 4)SHEH, YIPENG
- 5)JI, ANCHENG

(57) Abstract :

This present invention discloses a heterocyclic substituted acardite derivate and application thereof, namely compounds in the general formula (1) or the general formula (2) or pharmaceutically acceptable salts thereof, wherein A is monosubstituted or polysubstituted quinoline, isoquinoline, quinazoline, pyrrole or pyrimidine, and the substituent is halogen, C1-5alkyl, C1-5haloalkyl, C1-5alkoxy, C1-5haloalkoxy, C1-5alkylamino, C1-5haloalkylamino, amino or nitril; R1 is C1-5alkyl; R2 is one or more selected from hydrogen, halogen, alkyl, alkoxy, haloalkyl or haloalkoxy; and R3 is one or more selected from hydrogen, halogen, alkyl, alkoxy, haloalkyl or haloalkoxy. The compound of the present invention and the pharmaceutically acceptable salt thereof can be used for treating tumor or leukemia.



No. of Pages : 63 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9389/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : NOVEL ISOQUINOLINE DERIVATIVES

(51) International classification	:C07D 455/03
(31) Priority Document No	:PCT/CN2009/071693
(32) Priority Date	:08/05/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/EP2010/056062
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/128061
(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)F. HOFFMANN-LA ROCHE AG

Address of Applicant :GRENZACHERSTRASSE 124, CH-4070 BASEL, SWITZERLAND.

(72)Name of Inventor :

1)CHEN, LI

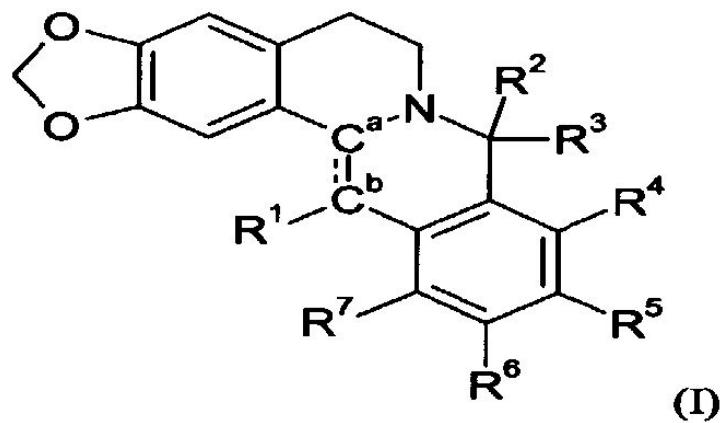
2)FENG, LICHUN

3)LI, YONGGUO

4)WU, GUOLONG

(57) Abstract :

A compound of formula (I) or a pharmaceutically acceptable salt thereof, wherein R1 to R7 have the significance given in claim 1, can be used in the form of a pharmaceutical composition.



No. of Pages : 57 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9390/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DIHYDROPYRIMIDINONES FOR USE AS BACE2 INHIBITORS

(51) International classification	:C07D 239/22
(31) Priority Document No	:09159740.1
(32) Priority Date	:08/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056055
Filing Date	:05/05/2010
(87) International Publication No	:WO 2010/128058
(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)F. HOFFMANN-LA ROCHE AG**

Address of Applicant :GRENZACHERSTRASSE 124, CH-4070 BASEL, SWITZERLAND.

(72)Name of Inventor :

**1)BANNER, DAVID**

**2)HILPERT, HANS**

**3)HUMM, ROLAND**

**4)MAUSER, HARALD**

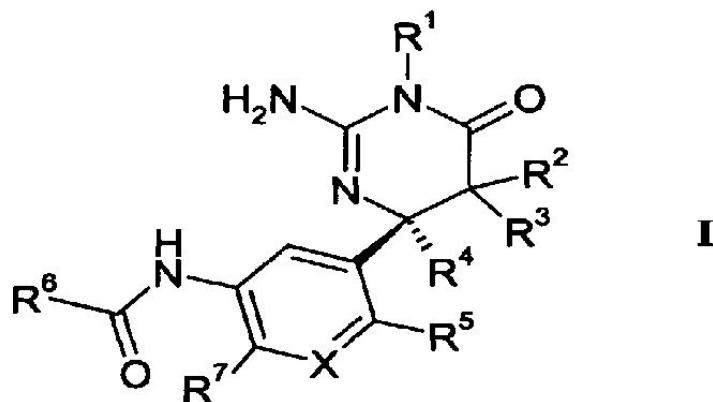
**5)MAYWEG, ALEXANDER, V.**

**6)RICKLIN, FABIENNE**

**7)ROGERS-EVANS, MARK**

(57) Abstract :

This invention relates to dihydropyrimidinones of the formula wherein X and R1 to R7 are as defined in the description and in the claims, as well as pharmaceutically acceptable salts thereof. These compounds are BACE2 inhibitors and can be used as medicaments for the treatment or prevention of diseases such as diabetes.



No. of Pages : 130 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9391/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PREPARATION OF A METAL COMPLEX

(51) International classification	:C07F 15/00
(31) Priority Document No	:61/175,942
(32) Priority Date	:06/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/050035
Filing Date	:12/01/2010
(87) International Publication No	:WO 2010/128316
(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)JOHNSON MATTHEY PLC**

Address of Applicant :5TH FLOOR, 25 FARRINGDON STREET, LONDON EC4A 4AB, UNITED KINGDOM

(72)Name of Inventor :

**1)THOMAS JOHN COLACOT**

**2)GABRIELA ALEXANDRA GRASA**

**3)HONGBO LI**

(57) Abstract :

The present invention provides a process for the preparation of a Pd(0)Lu complex, where L is a ligand and n is 2, 3 or 4, comprising the steps of: (a) reacting a Pd(II) complex in at least one solvent with a base and ligand L; and (b) if required, adding further base, optionally in at least one solvent, to form the Pd(0)Lu complex; wherein the at least one solvents in steps a and b are independently the same or different, and provided that when n = 2, the Pd(II) complex is not bis[tri(ortbo-tolyl)phos-phine] palladium chloride. The invention also provides novel Pd(0)L<sub>2</sub> and Pd(II) complexes.

No. of Pages : 28 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9352/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHODS AND APPARATUS FOR PERFORMING KNEE ARTHROPLASTY

---

(51) International classification	:A61B 17/17
(31) Priority Document No	:61/182,435
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036617
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/138841
(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)SMITH & NEPHEW, INC.**

Address of Applicant :1450 EAST BROOKS ROAD,  
MEMPHIS, TENNESSEE 38116, UNITED STATES OF  
AMERICA

(72)Name of Inventor :

**1)ZACHARY CHRISTOPHER WILKINSON**

**2)CHRISTOPHER F. SCIFERT**

**3)MARK ELLSWORTH NADZADI**

**4)KATHERINE S. ANDERSON**

**5)GERARD A. ENGH**

---

(57) Abstract :

Methods and apparatus for performing knee arthroplasty, including, but not limited to, bircruciate retaining knee arthroplasty, are described herein. Methods and apparatus for preparing a distal femur for a femoral implant as well as methods and apparatus for preparing a proximal tibia for a tibial implant are described. These methods and apparatus, in at least some embodiments and uses, facilitate decreasing the complexity of knee arthroplasty procedures such as bircruciate retaining procedures, while maintaining, if not improving on, the safety, accuracy and / or effectiveness of such procedures.

No. of Pages : 155 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9355/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FUSION FORMABLE SODIUM FREE GLASS

---

(51) International classification	:C03C 3/064
(31) Priority Document No	:61/182,404
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036508
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/138784
(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)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING, NEW YORK 14831, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BRUCE GARDINER AITKEN**

**2)JAMES EDWARD DICKINSON JR.**

**3)TIMOTHY JAMES KICZENSKI**

(57) Abstract :

A compositional range of fusion-formable, high strain point sodium free, silicate, aluminosilicate and boroaluminosilicate glasses are described herein. The glasses can be used as substrates for photovoltaic devices, for example, thin film photovoltaic devices such as CIGS photovoltaic devices. These glasses can be characterized as having strain points  $\geq 540^{\circ}\text{C}$ , thermal expansion coefficient of from 6.5 to 10.5 ppm/ $^{\circ}\text{C}$ , as well as liquidus viscosities in excess of 50,000 poise. As such they are ideally suited for being formed into sheet by the fusion process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9358/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NOVEL METHOD FOR QUANTIFYING PROTEINS BY MASS SPECTROMETRY

---

(51) International classification	:G01N 33/68
(31) Priority Document No	:0953576
(32) Priority Date	:29/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050991
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/136706
(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)BIOMERIEUX**

Address of Applicant :69280 MARCY L'ETOILE, FRANCE

**2)UNIVERSITE CLAUDE BERNARD LYON I**

**3)CENTRE NATIONAL DE LA RECHERCHE**

**SCIENTIFIQUE**

(72)Name of Inventor :

**1)JEROME LEMOINE**

**2)ARNAUD SALVADOR**

**3)JEAN-PHILIPPE CHARRIER**

**4)TANGUY FORTIN**

---

(57) Abstract :

The present invention relates to a method for the quantitative detection of a target protein in a sample, in which the second-generation fragment ions are detected for providing a series of, quantitative measurements, at least one of which is correlated to the amount of proteotypic peptide generated and to the amount of target protein in the sample, characterized in that the selected first-generation fragment ion having a mass ( $m/z$ )2 is a doubly-charged peptide having a proline and/or a histidine in position 1.

No. of Pages : 90 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9361/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TERMINAL INSERTING DEVICE

(51) International classification	:H01R 43/20
(31) Priority Document No	:2009-130184
(32) Priority Date	:29/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/071206
Filing Date	:21/12/2009
(87) International Publication No	:WO 2010/137196
(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)SUMITOMO WIRING SYSTEMS, LTD.**

Address of Applicant :1-14, NISHISUEHIRO-CHO,  
YOKKAICHI-SHI, MIE 510-0058, JAPAN

(72)Name of Inventor :

**1)KICHIKOKU TEI**

**2)HIDEYUKI EMA**

**3)MAKOTO HATORI**

---

(57) Abstract :

It is an object to suppress a failure as greatly as possible when a terminal is to be inserted into a cavity. A terminal inserting device for inserting a terminal of an electric wire with the terminal into cavities 12 and 14 formed in a terminal insertion housing 10. The terminal inserting device includes a terminal inserting guide part 76 which leads the terminal toward openings of the cavities 12 and 14 and is provided with an insertion guide surface 77 for positioning an end of the electric wire with the terminal in a state in which a tip part of the terminal is disposed in the openings of the cavities 12 and 14, and a terminal insertion driving mechanism part for holding the electric wire with the terminal by a pair of holding parts 86 and 87, thereby inserting the terminal positioned by the terminal inserting guide part 76 into the cavities 12 and 14.

No. of Pages : 41 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9402/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SYSTEM, METHOD AND APPARATUS FOR A CACHE FLUSH OF A RANGE OF PAGES AND TLB INVALIDATION OF A RANGE OF ENTRIES

(51) International classification	:G06C
(31) Priority Document No	:12/644,547
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058236
Filing Date	:29/11/2010
(87) International Publication No	:WO 2011/087589
(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB-4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

**(72)Name of Inventor :**

**1)DIXON, MARTIN G.**

**2)RODGERS, SCOTT D.**

---

**(57) Abstract :**

Systems, methods, and apparatus for performing the flushing of a plurality of cache lines and/or the invalidation of a plurality of translation look-aside buffer (TLB) entries is described. In one such method, for flushing a plurality of cache lines of a processor a single instruction including a first field that indicates that the plurality of cache lines of the processor are to be flushed and in response to the single instruction, flushing the plurality of cache lines of the processor.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9377/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ACOUSTIC SHIELDING DEVICE FOR DAMPING OF DISTURBING TRAFFIC NOISE

(51) International classification	:E01F 8/00
(31) Priority Document No	:0900599-2
(32) Priority Date	:04/05/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050490
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/128937
(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)Z-BLOC INTERNATIONAL AB

Address of Applicant :HJALMAR SVENFELTS VAG 2A, S-590 71 LJUNGSBRO, SWEDEN

(72)Name of Inventor :

1)GEEWE, BERNE

(57) Abstract :

The invention relates to an acoustic screening device (1) for damping disturbing noise, especially such noise which arises from road traffic, rail traffic and the like, comprising a framework (2), preferably of concrete, and a noise absorber (3) arranged thereon, preferably fitted flat against the framework (2), and in which the noise absorber is configured as an exchangeable cassette (3) comprising a noise-absorbing mat (13). The invention is achieved by virtue of the fact that an air gap former (14) is arranged integrated in the cassette (3) behind the noise-absorbing mat (13) in such a way that an air gap (15) is formed between the noise-absorbing mat (13) and the framework (2), that the air gap former (14) is arranged to form a number of cells (16) or compartments between the noise-absorbing mat (13) and the framework (2), the cells (16) or the compartments being arranged to form substantially closed air volumes, and that the noise-absorbing mat (13) is arranged to be, at least to some degree, noise and air permeable.

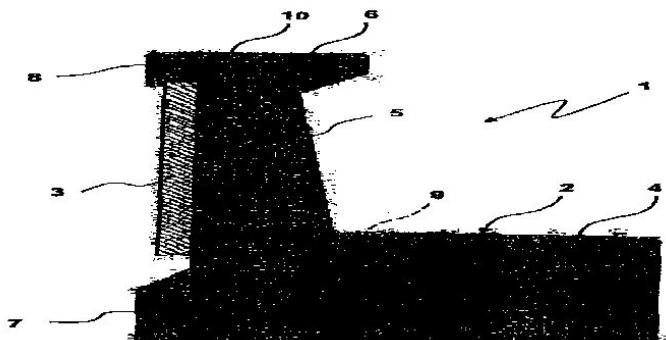


Fig 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/11/2011

(21) Application No.9383/DELNP/2011 A

(43) Publication Date : 22/02/2013

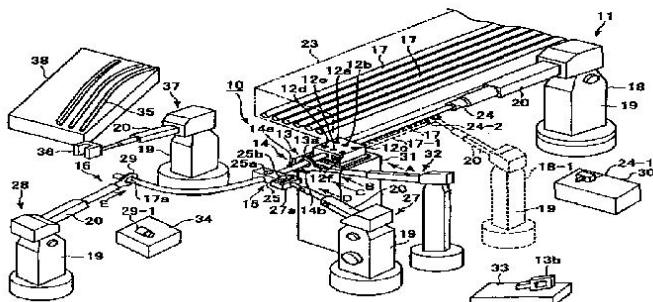
(54) Title of the invention : BENDING APPARATUS

(51) International classification	:B21D 7/16	(71)Name of Applicant :
(31) Priority Document No	:2009-120845	1)SUMITOMO METAL INDUSTRIES, LTD.
(32) Priority Date	:19/05/2009	Address of Applicant :5-33, KITAHAMA 4-CHOME CHUO-KU, OSAKA-SHI OSAKA 541-0041 JAPAN
(33) Name of priority country	:Japan	2)SUMITOMO PIPE & TUBE CO., LTD.
(86) International Application No Filing Date	:PCT/JP2010/058301 :17/05/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2010/134496	1)KUWAYAMA, SHINJIRO
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)TOMIZAWA, ATSUSHI
(62) Divisional to Application Number Filing Date	:NA :NA	3)INOUE, SABURO

(57) Abstract :

Provided is a bending apparatus (10) for manufacturing a bent member (35) from a steel pipe (17) with high dimensional accuracy and high productivity, the apparatus being installed in a reduced space and having good maintainability. The bending apparatus has a feed mechanism (11) for feeding a steel pipe (17) in its lengthwise-direction, a first support mechanism (12) for supporting the steel pipe (17) while feeding it, a heating mechanism (13) for heating a part or all of the steel pipe (17) being fed, a cooling mechanism (14) for cooling the portion of the steel pipe (17) being fed which was heated by the heating mechanism (13), a second support mechanism (25) for imparting a bending moment to the heated portion of the steel pipe (17) and thereby bending the steel pipe 17 into a desired shape by moving two-dimensionally or three-dimensionally while supporting the steel pipe (17) being fed in at least one location, and a deformation preventing mechanism (16) for preventing deformation of the steel pipe (17). The feed mechanism (11) is constituted by a first industrial robot (18) which is a vertically articulated robot having seven axes. Fig.1

**Fig. 1**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9422/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : UNSATURATED FATTY ACID MONOESTERS AND DIESTERS ON ASCORBIC ACID AND COSMETIC USES THEREOF

(51) International classification	:C07D 407/04
(31) Priority Document No	:0953785
(32) Priority Date	:08/06/2009
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/EP2010/057979 :08/06/2010
(87) International Publication No	:WO 2010/142663
(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)PIERRE FABRE DERMO-COSMETIQUE

Address of Applicant :OF 45, PLACE ABEL GANCE, F-92100 BOULOGNE-BILLANCOURT, FRANCE

(72)Name of Inventor :

1)POIGNY, STEPHANE

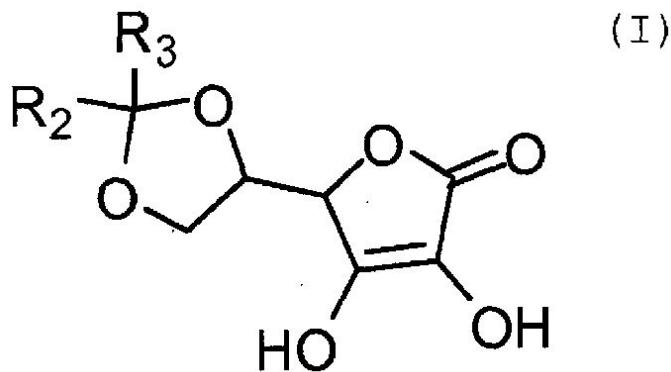
2)DAUNES-MARION, SYLVIE

3)CASTEX RIZZI, NATHALIE

4)BOGDANOWICZ, PATRICK

(57) Abstract :

The present invention relates to a compound with the following general formula (I): in which: R1 is a hydrocarbon chain of an unsaturated fatty acid from C12 to C24 including at least one unsaturation; and R2 and R3 are, independently or simultaneously: a hydrogen or a C1-C3 alkyl or a phenyl; and R4: a hydrogen atom or COR1', where RV is a hydrocarbon chain of an unsaturated fatty acid from C12 to C24 including at least one unsaturation, advantageously 1 to 6 and preferably 1 to 4.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9423/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LASER WELDING SYSTEM AND METHOD FOR WELDING BY MEANS OF A LASER BEAM

(51) International classification	:B23K 26/073
(31) Priority Document No	:10 2009 020 272.2
(32) Priority Date	:07/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/055533
Filing Date	:26/04/2010
(87) International Publication No	:WO 2010/127955
(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)TYCO ELECTRONICS AMP GMBH

Address of Applicant :OF AMPERESTRASSE 12 - 14, D-64625 BENSHEIM, GERMANY

(72)Name of Inventor :

1)BLEICHER, MARTIN

2)HAAG, MARKUS

---

(57) Abstract :

The present invention relates to a laser welding system comprising a source (1) for a laser beam, a collimator (2) which is adapted to collimate the laser beam, and a focusing means (3) which is adapted to focus the collimated laser beam onto a concentrated point on a workpiece (4) to be welded. In order to allow for a homogeneous welding region, an optical element (5) is arranged between the collimator (2) and the focusing means (3), the optical element being adapted to spread a power distribution of the laser beam along a first direction running at an angle to an axis of the collimated laser beam. According to an alternative solution, the optical element (5) is arranged between the source (1) for the laser beam and the collimator (2).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9395/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ULTRA-HIGH PURITY POLYCARBONATES HAVING GOOD INHERENT COLOR AND THERMAL RESISTANCE AND A DEVICE AND A METHOD FOR PRODUCING THE SAME

(51) International classification	:C08G 64/20
(31) Priority Document No	:09007270.3
(32) Priority Date	:30/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/003205
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/139412
(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)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)**Name of Inventor :**

**1)THOMAS KONIG**

**2)JORG KIRCHHOFF**

**3)MICHAEL BIERDEL**

**4)KLEMENS KOHLGRUBER**

**5)JOHANN RECHNER**

**6)JOHAN VAESEN**

**7)JOHAN VANDEN EYNDE**

**8)FRANK BRUYNSEELS**

**9)BERT RUYTINX**

---

(57) Abstract :

The invention relates to polycarbonates with extremely low residual levels of volatile constituents and thermal degradation products, and also improved optical properties, especially Yellowness Index (YI) and good thermal stability, from solvent-containing polymer melts. The invention further relates to an apparatus and a process for preparing these polycarbonates with the aid of a devolatilizing extruder with at least three devolatilizing zones, and zones for introducing entraining agent into dispersion are present upstream of at least three devolatilizing zones.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9396/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PRODUCT HAVING BIORESORBABLE CARRIER MATERIALS AND PACKAGING

---

(51) International classification	:B65D 81/26
(31) Priority Document No	:09007271.1
(32) Priority Date	:30/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/003146
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/139407
(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)BAYER INNOVATION GMBH**

Address of Applicant :MEROWINGERPLATZ 1, 40225 DUSSELDORF, GERMANY

(72)Name of Inventor :

**1)IWER BAECKER**

**2)ARNE BRAUN**

**3)WALTHER GLAUBITT**

(57) Abstract :

The present invention relates to a product containing bioabsorbable carrier materials especially for tissue regeneration and to a packaging, and also to processes for the production of the product.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9398/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : APPARATUS AND METHOD FOR CONTROLLING A MULTI-FUEL ENGINE

---

(51) International classification	:F02D 19/10
(31) Priority Document No	:0907614.2
(32) Priority Date	:01/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050718
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/125396
(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)INTELLIGENT DIESEL SYSTEMS LTD**

Address of Applicant :TONG HALL, TONG, BRADFORD,  
YORKSHIRE BD4 0RR, UNITED KINGDOM

(72)Name of Inventor :

**1)PAUL HOWARD FINN**

**2)GREOGROY DOUGLAS HORLER**

(57) Abstract :

A dual-fuel engine has a primary fuel supply and a secondary fuel supply, the primary and secondary fuels being arranged in use to mix with each other and with air for combustion in one or more cylinders of the engine. The supply of both the primary and secondary fuels is arranged to be actively managed in accordance with a desired engine performance characteristic by an electronic controller. In one arrangement the supply of a primary fuel is arranged to be actively reduced when a secondary fuel is supplied to the engine.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9432/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TITANIUM-BASED MATERIAL RESPONSIVE TO VISIBLE LIGHT AND HAVING EXCELLENT PHOTOCATALYTIC ACTIVITY, AND PROCESS FOR PRODUCING SAME

(51) International classification	:B01J 35/02
(31) Priority Document No	:2009-131757
(32) Priority Date	:01/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059583
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/140700
(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)NIPPON STEEL CORPORATION**

Address of Applicant :6-1, MARUNOUCHI 2-CHOME,  
CHIYODA-KU, TOKYO 1008071, JAPAN

(72)**Name of Inventor :**

**1)MICHIO KANEKO**

**2)KIYONORI TOKUNO**

**3)HIROSHI SHIMIZU**

**4)KAZUO YAMAGISHI**

**5)ASAMI SHIMOMURA**

**6)MITUYUKI HASEGAWA**

**7)RURIKO YOKOYAMA**

---

(57) Abstract :

The provision of beautiful colored titanium which is excellent in adhesion of the pure titanium or a titanium alloy with the base material, is excellent in photocatalytic activity, and further is excellent in design properties and a method of production of the same which is excellent in productivity and uses an anodic oxidation process is made the object. A titanium-based material having visible light response and excellent in photocatalytic activity characterized in that the material has pure titanium or titanium alloy as a base material, a thickness of a titanium oxide layer which is present on its surface is 0.1  $\mu\text{m}$  to 5.0  $\mu\text{m}$  in range, said titanium oxide layer contains anatase-type titanium dioxide and titanium bonded with hydroxy groups, and further said titanium oxide layer contains nitrogen and carbon respectively in 0.5 to 30 mass%.

No. of Pages : 69 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9433/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD AND SEDATION DELIVERY SYSTEM INCLUDING A PUMP ASSEMBLY AND A CO-FORMULATION OF FIRST AND SECOND DRUGS

(51) International classification	:G06F 19/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/475,697	<b>1)ETHICON ENDO-SURGERY, INC.</b>
(32) Priority Date	:01/06/2009	Address of Applicant :4545 CREEK ROAD, CINCINNATI, OH 45242, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/036049	<b>1)JAMES F. MARTIN</b>
Filing Date	:25/05/2010	<b>2)PAUL BRUGGEMAN</b>
(87) International Publication No	:WO 2010/141265	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A drug delivery system includes drug containers, a pump assembly, a sensor, and a controller. The drug containers each contain a different predetermined drug co-formulation of predetermined first and second drugs, wherein the first drug has a sedative effect. The sensor is adapted to sense a variable associated with the drug containers and output a different drug co-formulation identification signal associated with each of the drug containers based on the sensed variable. The controller is programmed to identify the drug co-formulation for the drug container operatively connected to the pump assembly from the associated identification signal and to control the pump assembly to deliver the drug co-formulation of the one drug container to the patient during a medical procedure according to a corresponding drug delivery algorithm which is different for each of the drug containers. A method is also disclosed which uses the drug delivery system.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9414/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : IN-CALL CONTACT INFORMATION DISPLAY

(51) International classification	:H04W 4/20
(31) Priority Document No	:12/476,870
(32) Priority Date	:02/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036939
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/141495
(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)MICROSOFT CORPORATION

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

1)SABOTTA, KENNETH Q.  
2)GUNTAUR, PAULA  
3)PAN, DAVID T.

(57) Abstract :

Call control information regarding a phone call that a user of a mobile communications device is currently engaged in with an individual is displayed on a screen. A request to display in-call contact information is received, and in response to the request the in-call contact information regarding the individual is displayed. This request can be a single user input, and the in-call contact information can include information obtained by the mobile communications device from a social networking service.

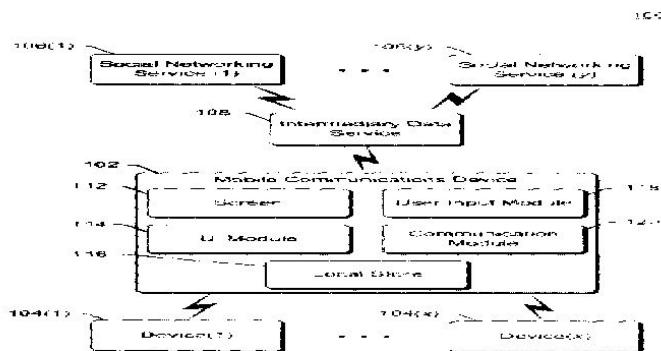


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9418/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : VARIABLE AMPLITUDE VIBRATING PERSONAL CARE DEVICE

(51) International classification

:B06B 1/16

(31) Priority Document No

:61/186,158

(32) Priority Date

:11/06/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/038064

Filing Date

:10/06/2010

(87) International Publication No

:WO 2010/144639

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)THE GILLETTE COMPANY**

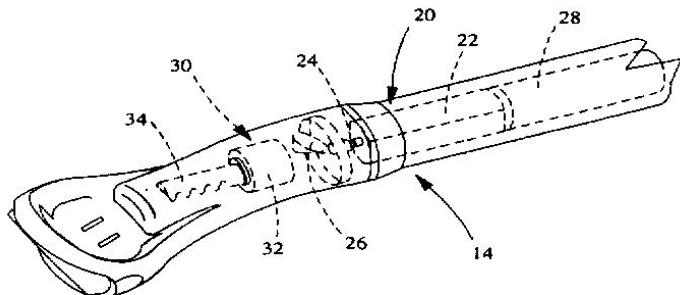
Address of Applicant :WORLD SHAVING  
HEADQUARTERS, IP/LEGAL PATENT DEPARTMENT - 3E,  
ONE GILLETTE PARK, BOSTON, MASSACHUSETTS 02127,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)HAWES, CHRISTOPHER, MARTIN**

(57) Abstract :

Vibrating personal care devices are provided by the present invention. The personal care devices generally employ a head, a handle extending from the head, a vibration-inducing mechanism or system, and means for adjusting the amplitude of the vibration.



**Fig. 2**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9420/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : FLUID PERMEABLE STRUCTURED FIBROUS WEB

(51) International classification	:A61F 13/15
(31) Priority Document No	:12/477,588
(32) Priority Date	:03/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037145
Filing Date	:03/06/2010
(87) International Publication No	:WO 2010/141642
(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)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)BOND, ERIC, BRYAN

2)KRIPPNER, CAROLA

3)FROEHLICH, UTE

(57) Abstract :

The present invention is directed to a fluid permeable structured fibrous web comprising thermally stable, fibers that are thermally bonded together using heat producing a base substrate that is thermally stable. The base substrate is textured via mechanical treatment producing a structured fibrous web having an aged caliper of less than 1.5 mm, a vertical wicking height of at least 5 mm, a permeability of at least 10,000 cm<sup>2</sup>/(Pa·s) and a specific volume of at least 5 cm<sup>3</sup>/g. The structured fibrous web provides optimal fluid wicking and the fluid acquisition capabilities and is directed toward fluid management applications.

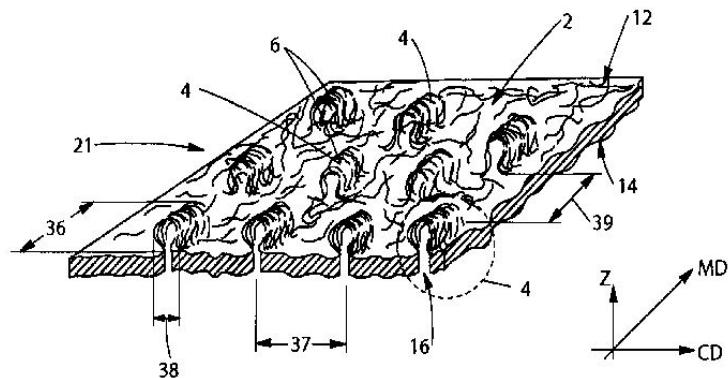


Fig. 3

No. of Pages : 102 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9421/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ABSORBENT ARTICLES COMPRISING AN ODOUR CONTROL SYSTEM

(51) International classification	:A61L 15/20
(31) Priority Document No	:09163106.9
(32) Priority Date	:18/06/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/US2010/038952
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/148171
(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)THE PROCTER & GAMBLE COMPANY

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA

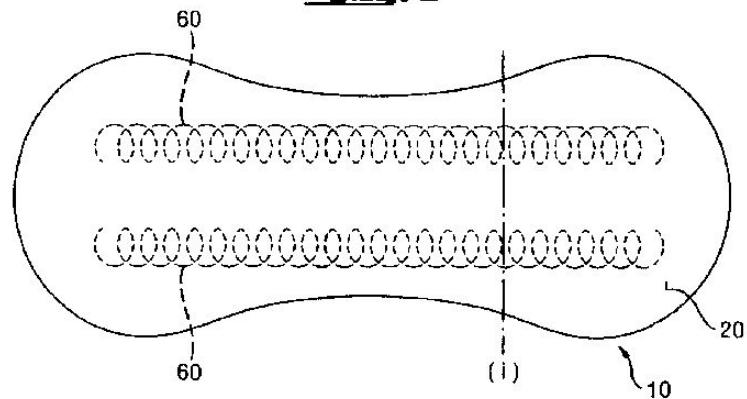
(72)Name of Inventor :

- 1)CAPUTI, MARIANGELA
- 2)D'ERCOLE, LUIGIA
- 3)BELLUCCI, REMO
- 4)D'ALESIO, NICOLA
- 5)MARCUCCHETTI, JESSICA
- 6)TORDONE, ADELIA, ALESSANDRA

(57) Abstract :

An absorbent article comprising an odour control material comprising at least one inclusion complex of cyclodextrin with an organic compound which is dispersed in a matrix comprising a polysiloxane oil.

**Fig. 1**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9451/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SIDE-BY-SIDE VEHICLE

(51) International classification	:B60N 2/01
(31) Priority Document No	:12/484,888
(32) Priority Date	:15/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038709
Filing Date	:15/06/2010
(87) International Publication No	:WO 2010/148014
(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)POLARIS INDUSTRIES INC.

Address of Applicant :2100 HIGHWAY 55 MEDINA,  
MINNESOTA 55340 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)DECKARD, AARON D.

2)SAFRANSKI, BRIAN M.

3)SUNSDAHL, RICHARD L.

4)SCHNEIDER, MICHAEL D.

5)HANTEN, MICHAEL J.

6)JOHNSON, CAL W.

7)VAN BRONKHORST, KEVIN

(57) Abstract :

The present invention relates to all terrain vehicles having at least a pair of laterally spaced apart seating surfaces (64a, 66a). More particularly, the present invention relates to side-by-side all terrain vehicles (10) having plural rows of seats (64, 66).

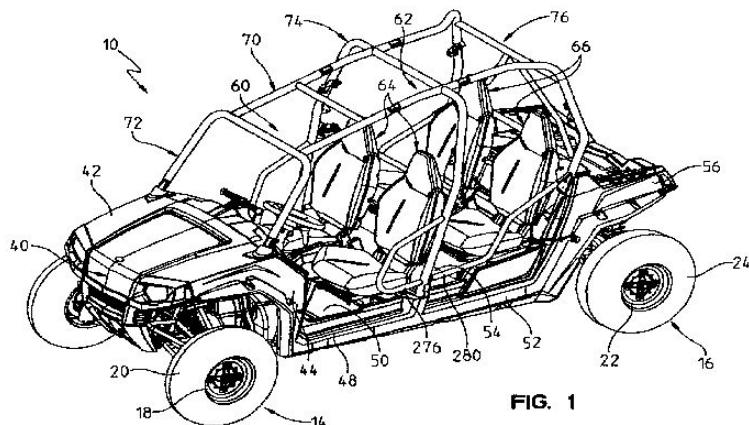


FIG. 1

No. of Pages : 61 No. of Claims : 86

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9454/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ENTRY SHEET FOR DRILLING

(51) International classification	:B26F 1/16
(31) Priority Document No	:2009-132367
(32) Priority Date	:01/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/003621
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/140333
(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)MITSUBISHI GAS CHEMICAL COMPANY, INC.**  
Address of Applicant :5-2, MARUNOUCHI, 2-CHOME,  
CHIYODA-KU, TOKYO 1008324 Japan

(72)Name of Inventor :

**1)MATSUYAMA, YOUSUKE**  
**2)SHIMIZU, KEN-ICHI**  
**3)IHARA, KATSUTOSHI**

(57) Abstract :

This invention relates to an entry sheet for drilling being excellent in a reduction of hole wall roughness and having less twining resin around a drill, and particularly to an entry sheet for drilling comprising a metal foil, and a layer of a water soluble resin composition laminated and integrated on at least one surface of the metal foil, wherein the water soluble resin composition comprises 30 to 85 parts by weight of a water soluble resin (A) having a number average molecular weight of 80,000 to 400,000, 10 to 60 parts by weight of polyethylene glycol (B) having a number average molecular weight of 15,000 to 25,000, 5 to 50 parts by weight of a water soluble lubricant resin (C), and 0.1 to 5 parts by weight of one or two kinds or more of water soluble substances (Y) selected from the group consisting of polyalcohols, amino acid derivative alcohols, organic acids and organic acid salts, based on 100 parts by weight of a water soluble resin mixture (X) of the water soluble resin (A), the polyethylene glycol (B) and the water soluble lubricant resin (C).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9425/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PORTLAND LIMESTONE CALCINED CLAY CEMENT

---

(51) International classification	:C04B 7/02
(31) Priority Document No	:09160271.4
(32) Priority Date	:14/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/054713
Filing Date	:09/04/2010
(87) International Publication No	:WO 2010/130511
(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)AALBORG PORTLAND A/S

Address of Applicant :OF RORDALSVEJ 44, DK-9220  
AALBORG OST, DENMARK

(72)Name of Inventor :

1)HERFORT, DUNCAN

2)DAMTOFT, JESPER SAND

(57) Abstract :

The present invention relates to a novel cement comprising Portland cement clinker and a supplementary cementitious material. The supplementary cementitious material comprises a heat treated clay material and an optionally heat treated carbonate material, wherein the clay material has been heat treated optionally together with the carbonate material in such a way that the heat treated clay material is substantially dehydroxylated while the optionally heat treated carbonate material remains substantially carbonated. This can be achieved by premixing the carbonate and clay materials before heat treating to 400-700 °C, or heat treating the clay material separately to a temperature of up to 900 °C. When used in the final application the cement results in much higher strengths than would be predict from any other combination of these materials.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9426/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TOBACCO SMOKE FILTER

(51) International classification	:A24B 15/16
(31) Priority Document No	:61/180,970
(32) Priority Date	:26/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2010/001027
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/136751
(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)FILTRONA FILTER PRODUCTS DEVELOPMENT CO., PTE. LTD.**

Address of Applicant :238A THOMSON ROAD, #25-04/05 NOVENA SQUARE, 307684 SINGAPORE

(72)Name of Inventor :

**1)CLARKE PAUL FRANCIS  
2)MCCORMACK ANTHONY DENIS  
3)CRAVOTTA TOM  
4)ROTHENHOFER JACK**

(57) Abstract :

A tobacco smoke filter or filter element comprising: a tobacco smoke filtering material including paper; and a flavour enhancing additive.

No. of Pages : 24 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/11/2011

(21) Application No.9428/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LEAD WIRE CONNECTION APPARATUS AND CONNECTION METHOD OF SEMICONDUCTOR CELLS

(51) International classification	:H01L 31/042	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-134312	<b>1)SHIBAURA MECHATRONICS CORPORATION</b>
(32) Priority Date	:03/06/2009	Address of Applicant :5-1, KASAMA 2-CHOME, SAKAE-KU, YOKOHAMA-SHI, KANAGAWA 247-8610 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/058765	<b>1)ABE MITSUHITO</b>
Filing Date	:24/05/2010	<b>2)KAWASAKI TOMOYOSHI</b>
(87) International Publication No	:WO 2010/140503	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lead wire connection apparatus includes tape attaching means (13) for simultaneously attaching adhesive, electrically conductive tapes to an upper surface and a lower surface of a semiconductor cell which is fed from a feed module (12); convey means (14) for pitch-feeding the semiconductor cell to which the conductive tapes have been attached; lead wire processing means (15a to 15d) for forming-processing the lead wire; provisional pressure-bonding means (15) which is provided at a part opposed to the semiconductor cell that is pitch-fed, holds the lead wires which are forming-processed, repeats provisional pressure-bonding of the lead wires to the conductive tapes provided on the upper surface and lower surface of the semiconductor cell that is pitch-fed, and alternately connects the upper surfaces and lower surfaces of the neighboring semiconductor cells; and main pressure-bonding means (16) which is disposed on a downstream side of the provisional pressure-bonding means in a direction of conveyance of the semiconductor cell, and which mainly pressure-bonds, simultaneously, the paired upper and lower lead wires which have been provisionally pressure-bonded to the upper surface and lower surface of the semiconductor cell.

No. of Pages : 86 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9466/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PET RADIOTRACERS FOR IMAGING FATTY ACID METABOLISM AND STORAGE

(51) International classification	:A61K 51/04
(31) Priority Document No	:61/175,065
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033579
Filing Date	:04/05/2010
(87) International Publication No	:WO 2010/129572
(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)WASHINGTON UNIVERSITY

Address of Applicant :ONE BROOKINGS DRIVE ST.  
LOUIS, MO 63130 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)MACH, ROBERT, H.

2)GROPLER, ROBERT, JOHN

3)TU, ZHUADE

4)HERRERO, POLAR

(57) Abstract :

Fatty acid analogue (FAA) molecules comprising positron-emitting radionuclides, salts thereof, and FAA-triglycerides are disclosed. Also disclosed are methods of synthesis, and methods of imaging distribution and metabolism of fatty acids and fatty acid triglycerides. FIG. 1

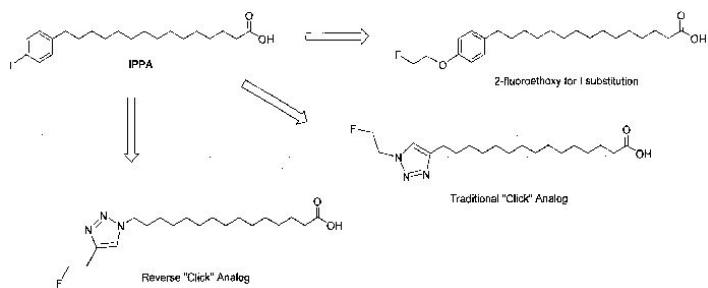


FIG. 1

No. of Pages : 75 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9467/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PULL-ON ABSORBENT ARTICLE

(51) International classification	:A61F 13/496
(31) Priority Document No	:2009-157274
(32) Priority Date	:01/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/060977
Filing Date	:28/06/2010
(87) International Publication No	:WO 2010/001937
(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)KAO CORPORATION**

Address of Applicant :14-10, NIHONBASHI KAYABA-CHO  
1-CHOME, CHUO-KU, TOKYO 103-8210, Japan

(72)Name of Inventor :

**1)KENJI KOBAYASHI**

**2)KENJI ANDO**

**3)TAKUO YANASHIMA**

**4)AKIO MORITA**

---

(57) Abstract :

A pull-on absorbent article 1 includes an outer cover 2 and an absorbent assembly 3 fixed on an inner side of the outer cover 2. The outer cover 2 has a front portion 2A to be worn around a wearer's front, a crotch portion 2C to be worn around a wearer's crotch, and a rear portion 2B to be worn around a wearer's rear. Opposite front side edges 2a, 2a and opposite rear side edges 2b, 2b of the outer cover are joined together to form a pair of side seals 4, 4. The outer cover 2 has non-bonded edges 2a and 2b located along the front and rear side edges 2a and 2b. The front side edge 2a and the rear side edge 2b are not joined to each other at the non-bonded edges 2a and 2b where the side seals 4 are formed.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9437/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : RESERVOIR FOR RECEIVING A FLUID

(51) International classification	:F17C 1/16
(31) Priority Document No	:10 2009 025 386.6
(32) Priority Date	:16/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/003561
Filing Date	:14/06/2010
(87) International Publication No	:WO 2010/145794
(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)REHAU AG+CO**

Address of Applicant :RHENIUMHAUS, 95111 REHAU,  
GERMANY

(72)Name of Inventor :

**1)DRAGAN GRIEBEL**

**2)VOLKER BOHM**

**3)ALEXANDER OELSCHLEGEL**

**4)NORBERT HONHEISER**

(57) Abstract :

The reservoir according to the invention for receiving a fluid, in particular under a pressure that is elevated relative to the surroundings, comprises a hollow body that is delimited by a wall having a multi-layered structure, and a device for feeding the fluid to and carrying the fluid away from the hollow body, and is characterized in that the inner layer of the wall contains cross-linked polyethylene.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9438/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR DRUG DELIVERY

(51) International classification	:A61K 9/14
(31) Priority Document No	:12/467,230
(32) Priority Date	:15/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034711
Filing Date	:13/05/2010
(87) International Publication No	:WO 2010/132664
(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)BAXTER INTERNATIONAL INC.**

Address of Applicant :ONE BAXTER PARKWAY,  
DEERFIELD, ILLINOIS 60015, UNITED STATES OF  
AMERICA

**2)BAXTER HEALTHCARE S.A.**

(72)Name of Inventor :

**1)BARRETT RABINOW**

**2)SHAWN F. BAIRSTOW**

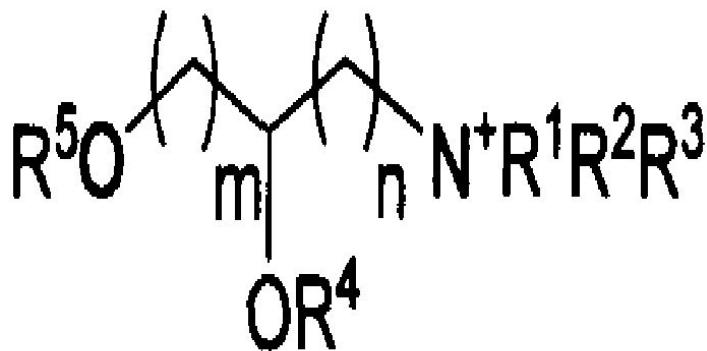
**3)MAHESH V. CHAUBAL**

**4)SARAH LEE**

**5)JANE WERLING**

(57) Abstract :

The present disclosure is directed to surface-modified particles and to methods of making and using the same. The surface-modified particles comprise a particle core and a coating associated with the particle core, wherein the particle core comprises an active agent, the coating comprises a surfactant having formula I or a salt thereof, and the surface-modified particle has an average size from about 1 nm to about 2,000 nm:



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9440/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PAA NANOPARTICLES FOR ENHANCEMENT OF TUMOR IMAGING

---

(51) International classification

:A61B 5/00

(31) Priority Document No

:61/279,522

(32) Priority Date

:21/10/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/053574

Filing Date

:21/10/2010

(87) International Publication No

:WO 2011/050177

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)HEALTH RESEARCH, INC.**

Address of Applicant :ROSWELL PARK CANCER  
INSTITUTE, ELM & CARLTON STREETS, BUFFALO, NY  
14263, UNITED STATES OF AMERICA

**2)THE RESEARCH FOUNDATION OF STATE  
UNIVERSITY OF NEW YORK STOR INTELLECTUAL  
PROPERTY DIVISION**

**3)REGENTS OF THE UNIVERSITY OF MICHIGAN  
OFFICE OF TECHNOLOGY TRANSFER**

(72)Name of Inventor :

**1)RAVINDRA K. PANDEY**

**2)ANURAG GUPTA**

**3)MUNAWWAR SAJJAD**

**4)RAOUL KOPELMAN**

---

(57) Abstract :

A composition comprising PAA nanoparticles containing a post loaded tetrapyrrolic photo-sensitizer and an imaging agent and methods for making and using same.

No. of Pages : 38 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9485/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SYNCHRONIZING SIMD VECTORS

(51) International classification	:G06F 9/06
(31) Priority Document No	:12/644,529
(32) Priority Date	:22/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/058238
Filing Date	:29/11/2011
(87) International Publication No	:WO 2011/087590
(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)INTEL CORPORATION

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB-4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)RAJWAR, RAVI

2)FORSYTH, ANDREW T.

(57) Abstract :

A vector compare-and-exchange operation is performed by: decoding by a decoder in a processing device, a single instruction specifying a vector compare-and-exchange operation for a plurality of data elements between a first storage location, a second storage location, and a third storage location; issuing the single instruction for execution by an execution unit in the processing device; and responsive to the execution of the single instruction, comparing data elements from the first storage location to corresponding data elements in the second storage location; and responsive to determining a match exists, replacing the data elements from the first storage location with corresponding data elements from the third storage location.

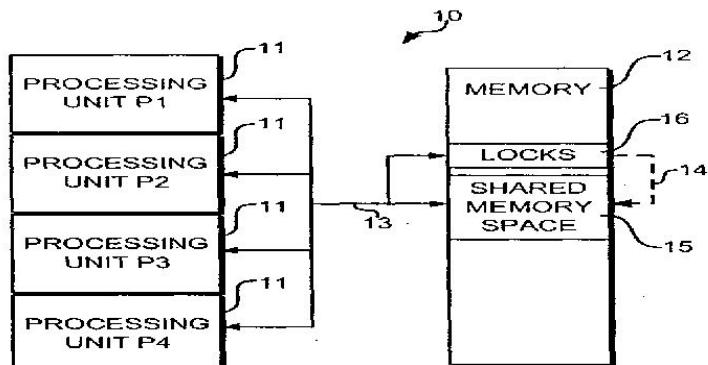


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9486/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : APPARATUS FOR HIGH EFFICIENT REAL-TIME PLATFORM POWER MANAGEMENT ARCHITECTURE

(51) International classification	:G06F 13/14
(31) Priority Document No	:61/335,153
(32) Priority Date	:31/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/059812
Filing Date	:10/12/2009
(87) International Publication No	:WO 2010/081839
(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)INTEL CORPORATION

Address of Applicant :2200 MISSION COLLEGE BOULEVARD, MS: RNB- 4-150, SANTA CLARA, CALIFORNIA 95052, UNITED STATES OF AMERICA

(72)Name of Inventor :

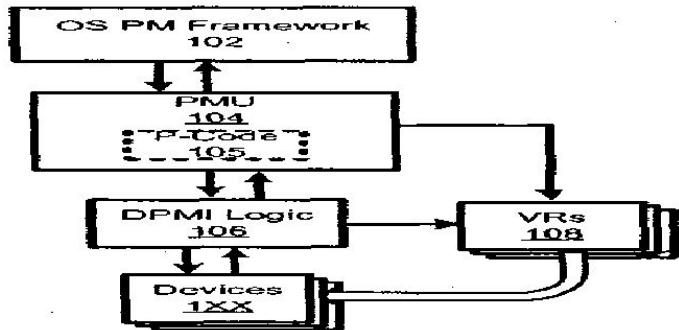
1)ZOU, PENG

2)DIBENE II, JOSEPH

3)THENUS, FENARDI

(57) Abstract :

In some embodiments, the invention provides a higher efficiency, real-time platform power management architecture for computing platforms. A more direct power management architecture may be provided using integrated voltage regulators and in some embodiments, a direct power management interface (DPMI) as well. Integrated voltage regulators, such as in-silicon voltage regulators (ISVR) can be used to implement quicker, more highly responsive power state transitions.



**FIG. 1A**

No. of Pages : 32 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9491/DELNP/2011 A

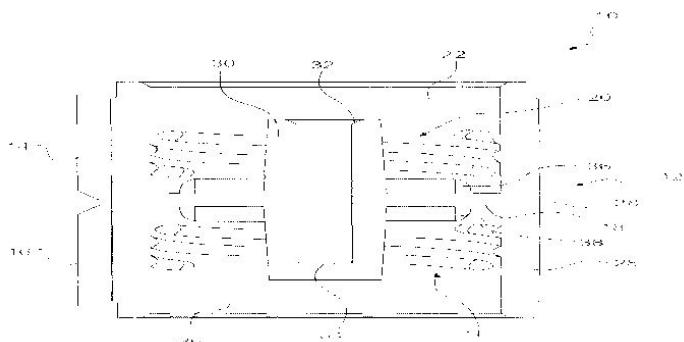
(43) Publication Date : 22/02/2013

(54) Title of the invention : CLOSURE, CONTAINING APPARATUS, AND METHOD OF USING SAME

(51) International classification	:G01N 1/02	(71) Name of Applicant :
(31) Priority Document No	:61/178,311	<b>1)DNA GENOTEK INC.</b>
(32) Priority Date	:14/05/2009	Address of Applicant :2 BEAVERBROOK ROAD, KANATA, ONTARIO K2K 1L1 CANADA
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/CA2010/000748	(72) Name of Inventor :
Filing Date	:14/05/2010	<b>1)BEACH, MICHAEL</b>
(87) International Publication No	:WO 2010/130055	<b>2)SUNSTRUM, ROY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LAVIMODIERE, MAURICE</b>
Filing Date	:NA	<b>4)JACKSON, ADELE</b>
(62) Divisional to Application Number	:NA	<b>5)IWASIOW, RAFAL MICHAL</b>
Filing Date	:NA	<b>6)MACLEAN, ELLEN</b>
		<b>7)BIRNBOIM, H. CHAIM</b>

(57) Abstract :

A closure for a container has a closure body having a first cylindrical portion and a second cylindrical portion opposite the first portion. The closure also has a connector disposed in at least one of the first and second portions. The connector is adapted to connect one of a sample collection device and an applicator to the closure. A containing apparatus including the closure, a container, and optionally one of a sample collection device and an applicator is also disclosed. A method of using the containing apparatus is also disclosed.



**FIG. 4**

No. of Pages : 59 No. of Claims : 91

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2011

(21) Application No.9460/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : POWER SUPPLY APPARATUS, POWER RECEPTION APPARATUS, AND POWER SUPPLY METHOD

(51) International classification	:H02J 1/00
(31) Priority Document No	:JP2009-295580
(32) Priority Date	:25/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/007313
Filing Date	:16/12/2010
(87) International Publication No	:WO 2011/077675
(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)SONY CORPORATION

Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO 108-0075, JAPAN

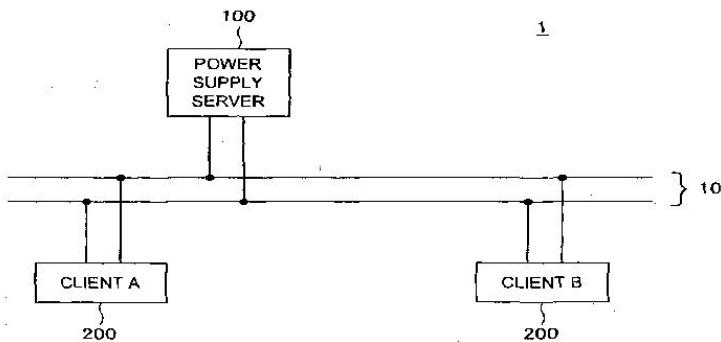
(72)Name of Inventor :

1)SHIGERU TAJIMA

(57) Abstract :

There is provided a power supply apparatus including a power supply unit configured to supply power to another device with which an agreement about a power specification for power supply is achieved, a communication unit configured to communicate between power supplied from the power supply unit and the another device using frequency dividing, and a power supply control unit configured to make an agreement with the another device about the power specification and, when the communication unit receives a power supply request from a different another device while the power supply unit is supplying power to the another device, controls the power supply from the power supply unit by comparing priority among the another devices to which power is being supplied and determining another device as a power supply destination.

**FIG.1**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9498/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SYNCHRONIZING FILE PARTITIONS UTILIZING A SERVER STORAGE MODEL

(51) International classification	:G06F 15/16
(31) Priority Document No	:12/479,189
(32) Priority Date	:05/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036968
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/141517
(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)MICROSOFT CORPORATION

Address of Applicant :ONE MICRODOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

1)CLARKE, SIMON PETER  
2)BOSE, MIKO, ARNAB, S.  
3)SUN, XUELEI

(57) Abstract :

Embodiments are provided for synchronizing file partitions utilizing a server storage model in a client-server computer network. Edits to content of an electronic document may be received at a client computer. The content may be included in a first partition of a file stored on a server computer. The first partition may include a first stream which includes the electronic document content. The file may include multiple partitions with each partition including one or more streams. The client computer may generate metadata in a second partition of the file. The metadata may be associated with the edits to the electronic document content in the first partition. The second partition may then be individually synchronized with the server computer to store the metadata. The first partition may then be individually synchronized with the server computer to store the edits made to the electronic document content.

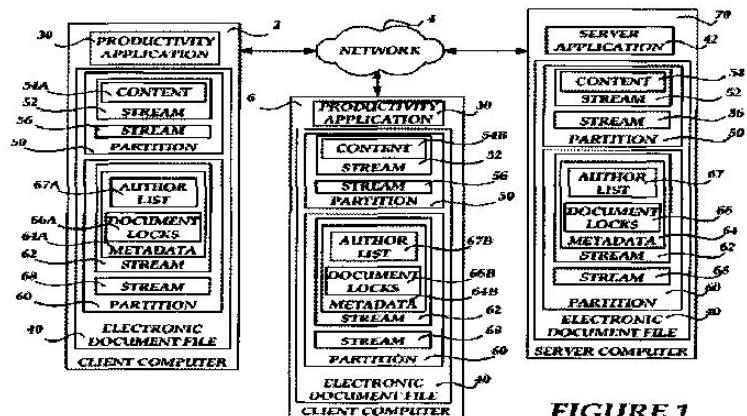


FIGURE 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9499/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TRANSPORT PIPELINE DECRYPTION FOR CONTENT-SCANNING AGENTS

(51) International classification	:G06F 21/24	(71) <b>Name of Applicant :</b> <b>1)MICROSOFT CORPORATION</b> Address of Applicant :ONE MICROSOFT WAY, REDMOND, WASHINGTON 98052-6399, UNITED STATES OF AMERICA
(31) Priority Document No	:12/478,608	(72) <b>Name of Inventor :</b>
(32) Priority Date	:04/06/2009	<b>1)ZHANG, HAO</b>
(33) Name of priority country	:U.S.A.	<b>2)CHOW, DANNY TIN-VAN</b>
(86) International Application No	:PCT/US2010/036966	<b>3)KOMAN, AYSE YESIM</b>
Filing Date	:01/06/2010	<b>4)BYRUM, FRANK D.</b>
(87) International Publication No	:WO 2010/141515	<b>5)MEHTA, MAYANK</b>
(61) Patent of Addition to Application Number	:NA	<b>6)JAIN, CHANDRESH K.</b>
Filing Date	:NA	<b>7)BOCTOR, VICTOR</b>
(62) Divisional to Application Number	:NA	<b>8)CHUNG, CHARLIE R.</b>
Filing Date	:NA	<b>9)PATEL, TEJAS D.</b>
		<b>10)ZHONG, YUHUI</b>
		<b>11)FULAY, AMIT K.</b>
		<b>12)KOSTAL, GREGORY</b>
		<b>13)KAMAT, PANKAJ M.</b>
		<b>14)YARMOLENKO, VLADIMIR</b>
		<b>15)KARAMFILOV, KRASSIMIR E.</b>

(57) Abstract :

Transport pipeline decryption may be provided. Consistent with embodiments of the invention, a protected message may be received and decrypted. The decrypted message may be provided to pipeline agents, such as anti-virus, anti-spam, journaling, and/or policy enforcement agents. The message may then be re-encrypted and delivered.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9507/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BIODEGRADABLE NANOFIBERS AND IMPLEMENTATIONS THEREOF

---

(51) International classification	:D04H 3/16
(31) Priority Document No	:61/179,279
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035220
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/135300
(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)CORNELL UNIVERSITY**

Address of Applicant :395 PINE TREE ROAD, SUITE 310  
ITHACA, NEW YORK 14850, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)NETRAVALI ANIL N.**

**2)JOO YONG LAK**

**3)CHO DAEHWAN**

**4)NNADI OLIVIA**

(57) Abstract :

A fibrous product is described that comprises biodegradable fibers on a substrate. The fibers originate from a deposition solution that comprises a protein-based component and a carrier polymer component, each configured so that the resulting deposition solution can be deposited using electro-deposition techniques. In one embodiment, the proteins in the deposition solution are denatured in a manner that modifies the viscosity of the resulting deposition solution so that the deposition solution is compatible with electro-spinning.

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9510/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ELECTRIC VEHICLE

(51) International classification :B60K 1/04  
(31) Priority Document No :12/484,921  
(32) Priority Date :15/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038711  
    Filing Date :15/06/2010  
(87) International Publication No :WO 2010/148016  
(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) POLARIS INDUSTRIES INC.**

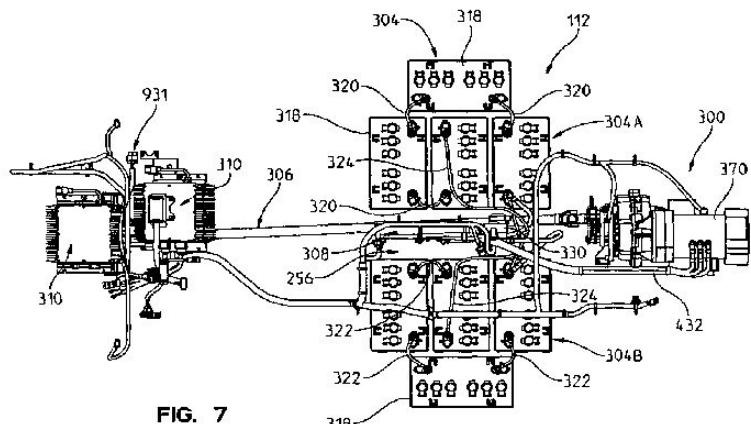
Address of Applicant :2100 HIGHWAY 55 MEDINA,  
MINNESOTA 55340 UNITED STATES OF AMERICA

**(72) Name of Inventor :**

- 1) STENBERG, KURT E.  
2) NOTARO, JOEL M.  
3) LEONARD, JOSH J.  
4) CRAIN, STEPHEN G.  
5) SABOURIN, DENNIS P.  
6) OLSEN, RUSS G.  
7) MAKI, RICHARD R.  
8) MALONE, AMBER PATRICIA  
9) GILLINGHAM, BRIAN R.  
10) JOHNSTUN, JEREMIAH TRAVIS

(57) Abstract :

A utility vehicle is disclosed having an electric drive. The drivetrain is comprised of batteries, a motor, a transaxle driven by the motor, a rear differential driven by the transaxle, and a prop shaft which is driven by the transaxle and drives a front differential. The batteries are provided in two groups and are supported on the frame of the vehicle.



**FIG. 7**

No. of Pages : 107 No. of Claims : 120

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9468/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : 17-ALKYL-17 $\alpha$ -OXY-ESTRATRIENES

(51) International classification	:A61K 31/56
(31) Priority Document No	:09075249.4
(32) Priority Date	:04/06/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No Filing Date	:PCT/EP2010/003204 :26/05/2010
(87) International Publication No	:WO 2010/139411
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

1)BAYER PHARMA AKTIENGESELLSCHAFT

Address of Applicant :MULLERSTRASSE 178, 13353  
BERLIN, GERMANY

(72)Name of Inventor :

1)ROLF BOHLMANN

2)NIKOLAUS HEINRICH

3)JAN HUBNER

4)GEORG KETTSCHAU

5)HERMANN KUNZER

6)PHILIP LIENAU

7)MICHAEL GERISCH

8)SILKE KOHR

9)DIETER LANG

10)KARSTEN DENNER

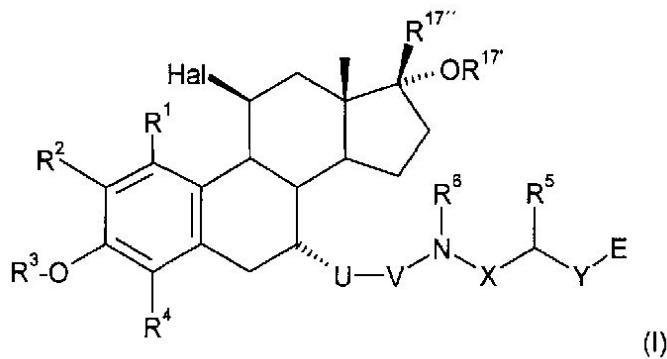
11)MICHAEL SANDER

12)JENS HOFFMANN

13)TIM WINTERMANTEL

(57) Abstract :

The invention relates to 17-alkyl-17 $\alpha$ -oxy-oestratrienes of the formula (I), to processes for their preparation, to the use of the 17-alkyl-17 $\alpha$ -oxy-oestratrienes for preparing pharmaceuticals and to pharmaceutical preparations comprising these compounds.



No. of Pages : 51 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9474/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DEVICE FOR COLLECTING SAMPLES

(51) International classification	:A61M 1/16
(31) Priority Document No	:09162022.9
(32) Priority Date	:05/06/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/057291
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/139590
(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)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH**

Address of Applicant :ELSE-KROENER-STRASSE, 1, 61352  
BAD HOMBURG, GERMANY

(72)Name of Inventor :

**1)ALAIN VENERONI**

**2)MIHAI DIGA**

**3)DANIEL DAETWYLER**

**4)DOMINIK UEHLINGER**

---

(57) Abstract :

The present invention relates to a device 20 for collecting dialysate samples 42. The device 20 comprises an inlet 22 for receiving a flow of dialysate, a plurality of outlets 24 for providing a flow of saturated dialysate and means 26 for sequential selection of one of the outlets 24. The sequential selection means 26 are activated only by the flow of dialysate received from the inlet 22. The present invention further relates to a system for peritoneal dialysis comprising such device 20.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9523/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR PRODUCING FLUOROALKYL NITRILES

---

(51) International classification	:C07C 253/20
(31) Priority Document No	:09162172.2
(32) Priority Date	:08/06/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/003209
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/142377
(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)BAYER CROPSCIENCE AG**

Address of Applicant :ALFRED-NOBEL-STR. 50, 40789 MONHEIM, GERMANY

(72)Name of Inventor :

**1)NORBERT LUI**

**2)JENS-DIETMAR HEINRICH**

**3)THOMAS WOLLNER**

**4)SERGII PAZENOK**

(57) Abstract :

The present invention relates to a process for preparing fluoroalkyl nitriles by reacting fluorinated carboxamides with halides and fluorinated carboxylic acids.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9525/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PAN TILE/ROOFING TILE/FACADE ELEMENT WITH INTERGRATED SOLAR MODULE

---

(51) International classification	:E04D 1/16
(31) Priority Document No	:10 2009 024 524.3
(32) Priority Date	:06/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/003269
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/139435
(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)BAYER MATERIALSCIENCE AG**

Address of Applicant :51368 LEVERKUSEN, GERMANY

(72)Name of Inventor :

**1)HUBERT EHBING**

**2)FRANK SCHAUSEIL**

**3)LUTZ LIEBEGOTT**

(57) Abstract :

The present invention relates to a roofing tile, a roofing shingle or facade element having a photovoltaic solar element and a method for producing such a roofing tile/roofing shingle/facade element.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9526/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CADMIUM STANNATE TCO STRUCTURE WITH DIFFUSION BARRIER LAYER AND SEPARATION LAYER

(51) International classification	:H01L 31/0264	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/179,303	<b>1)FIRST SOLAR, INC.</b>
(32) Priority Date	:18/05/2009	Address of Applicant :28101 CEDAR PARK BOULEVARD, PERRYSBURG, OHIO 43551, UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2010/034581	<b>1)SCOTT MILLS</b>
Filing Date	:12/05/2010	<b>2)DALE ROBERTS</b>
(87) International Publication No	:WO 2010/135117	<b>3)ZHIBO ZHAO</b>
(61) Patent of Addition to Application Number	:NA	<b>4)YU YANG</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A photovoltaic device can include a transparent conductive oxide layer adjacent to a substrate and one or more barrier layers, which can include a silicon oxide or a silicon nitride.

No. of Pages : 29 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9527/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VISION MEASUREMENT PROBE AND METHOD OF OPERATION

---

(51) International classification	:G01B 11/00
(31) Priority Document No	:0909635.5
(32) Priority Date	:04/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/001088
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/139950
(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)RENISHA W PLC**

Address of Applicant :NEW MILLS, WOTTON-UNDER-EDGE, GLOUCESTERSHIRE GL 12 8JR, UNITED KINGDOM

(72)Name of Inventor :

**1)ALEXANDER DAVID MCKENDRICK**

**2)IAN WILLIAM MCLEAN**

**3)CALUM CONNER MCLEAN**

**4)NICHOLAS JOHN WESTON**

**5)TIMOTHY CHARLES FEATHERSTONE**

---

(57) Abstract :

A method of operating a vision measurement probe for obtaining and supplying images of an object to be measured. The vision measurement probe is mounted on a continuous articulating head of a coordinate positioning apparatus, and the continuous articulating head having at least one rotational axis. The object and vision measurement probe can be moved relative to each other about the at least one rotational axis and in at least one linear degree of freedom during a measuring operation. The method comprises: processing at least one image obtained by the vision measurement probe to obtain feedback data; and controlling the physical relationship between the vision measurement probe and the object based on said feedback data.

No. of Pages : 50 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9529/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SCRATCH-RESISTANT-COATED POLYCARBONATES WITH HIGH TRANSPARENCY, PROCESS FOR THEIR PRODUCTION, AND THEIR USE

(51) International classification	:C08G 18/81
(31) Priority Document No	:10 2009 032921.8
(32) Priority Date	:14/07/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/001960
Filing Date	:27/03/2010
(87) International Publication No	:WO 2011/006552
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1) BASF COATINGS GMBH**

Address of Applicant :GLASURITSTR. 1, 48165 MUNSTER,  
GERMANY

(72)**Name of Inventor :**

**1) JAN-BERND GREVING**

**2) MATTHIJS GROENEWOLT**

**3) KARIN HOMANN**

**4) STEFANIE SCHRODER**

**5) ANDRE BROSSEIT**

---

(57) Abstract :

The present invention relates to a process for the coating of polycarbonate substrates, in particular of transparent polycarbonate substrates, by applying a transparent coating composition encompassing at least one radiation-curing binder resin (A) and/or reactive diluent (C), nanoparticles (B), optionally solvent and at least one light stabilizer (L), to a polycarbonate substrate, wherein the coating composition comprises at least one light stabilizer (L) which comprises, per molecule, an average of at least one ethylenically unsaturated group bonded by way of a urethane group. The present invention also relates to the coating compositions used in said process, and to the coated polycarbonate substrates obtainable via the process, and to their use.

No. of Pages : 58 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9493/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : BIOARTIFICIAL LUNG

(51) International classification	:C12M 3/00
(31) Priority Document No	:61/184,170
(32) Priority Date	:04/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037379
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/141803
(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)THE GENERAL HOSPITAL CORPORATION

Address of Applicant :55 FRUIT STREET, BOSTON,  
MASSACHUSETTS 02114, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)OTT, HARALD C.

(57) Abstract :

Presented is an airway organ bioreactor apparatus, and methods of use thereof, as well as bioartificial airway organs produced using the methods, and methods of treating subjects using the bioartificial airway organs.

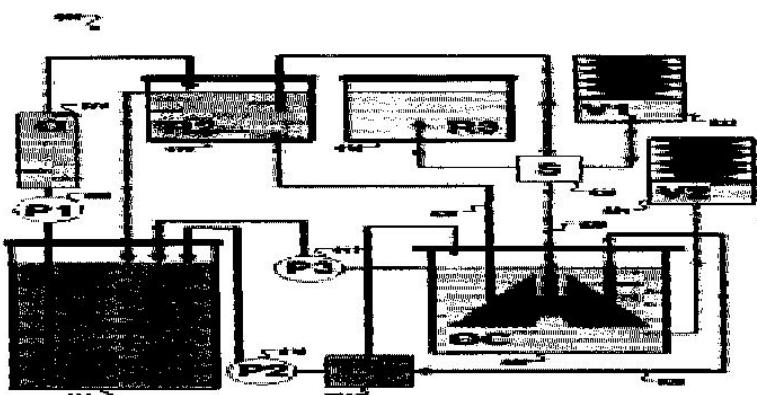


FIG. 6

No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9494/DELNP/2011 A

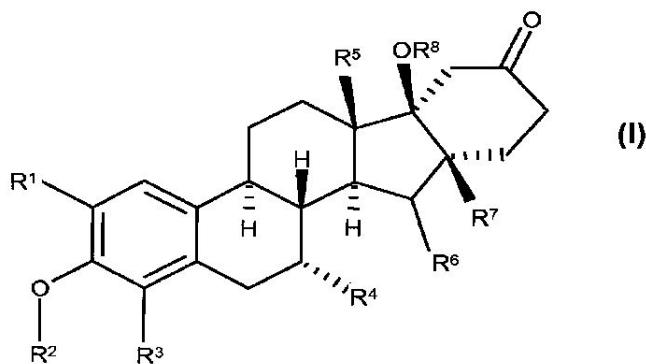
(43) Publication Date : 22/02/2013

(54) Title of the invention : SUBSTITUTED 16,17-ANNELLATED STEROID COMPOUNDS FOR USE IN WOMEN'S  
HEALTHCARE

(51) International classification	:C07J 53/00	(71)Name of Applicant :
(31) Priority Document No	:09162437.9	1)N.V. ORGANON
(32) Priority Date	:10/06/2010	Address of Applicant :KLOOSTERAASTRAAT 6, NL-5349 AB OSS, NETHERLANDS
(33) Name of priority country	:EUROPEAN UNION	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/058042	1)DIJCKS, FREDERICUS, ANTONIUS
Filing Date	:09/06/2010	2)LOOZEN, HUBERT, JAN, JOZEF
(87) International Publication No	:WO 2010/142705	3)ADDO, SAMIRA
(61) Patent of Addition to Application Number	:NA	4)EDERVEEN, ANTONIUS, GERARDUS, HENDRIKUS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to substituted steroid compounds having the formula (I) Wherein R1 is H or halogen; R2 is H, (1C-4C)alkyl, (1C-4C)acyl, glucuronyl or sulfamoyl; R3 is H or halogen; R4 is H, (1C-4C)alkyl, (2C-4C)alkenyl or (2C-4C)alkynyl; R5 is methyl or ethyl; R6 is H or methyl; R7 is H or methyl; R8 is H or acyl for use in the treatment and prevention of endometriosis, for contraception, for hormonal therapy in perimenopausal and post-menopausal women, for the treatment of osteoporosis and for the treatment uterine fibroids and other menstrual-related disorders, such as dysfunctional uterine bleeding



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9539/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ATTACHMENT MODULE WITH LIFE MONITORING FOR AN ELECTROMAGNETIC SWITCHING DEVICE, AND ASSOCIATED METHOD

(51) International classification	:H01H 1/00
(31) Priority Document No	:EP09010997
(32) Priority Date	:27/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/060400
Filing Date	:19/07/2010
(87) International Publication No	:WO 2011/023463
(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)SIEMENS AKTIENGESELLSCHAFT**

Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, GERMANY

(72)**Name of Inventor :**

**1)BEYER; STEFAN**

**2)SCHATZ; WOLFGANG**

---

(57) Abstract :

The invention relates to an attachment module, in particular a communication module (1) having a moving plunger (2) which is connected via an interface to a switching device (9) which has at least one switching piece for switching a contact with contact material. The invention is distinguished in that means (4, 5) are provided for measuring the position change (3) of the plunger (2) when the contact is closed. An associated method according to the invention is also specified, for monitoring the life of a switching device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9542/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ESCALATOR DUAL SOLENOID MAIN DRIVE SHAFT BRAKE

---

(51) International classification	:B66B 23/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/047496
Filing Date	:16/06/2009
(87) International Publication No	:WO 2010/147579
(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)OTIS ELEVATOR COMPANY**

Address of Applicant :TEN FARM SPRINGS, ROAD,  
FARMINGTON, CT 06032, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SENGER ALOIS**

(57) Abstract :

A main drive shaft brake for a passenger conveyor includes a braking element, an actuator, and a counter-actuator. The actuator is de-energized to release the braking element and halt operation of the passenger conveyor during an abnormal or emergency condition. An energized counter-actuator permits release of the braking element but, when de-energized, inhibits release of the braking element by the actuator to prevent unintentional release of the braking element caused by, for example, an accidental loss of power to the actuator.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9551/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DIAGNOSTIC METHOD FOR CARRYING OUT A DIAGNOSIS OF A SYSTEM

---

(51) International classification	:G05B 23/02
(31) Priority Document No	:10 2009 027 375.1
(32) Priority Date	:01/07/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/059298
Filing Date	:30/06/2010
(87) International Publication No	:WO 2011/000876
(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)ROBERT BOSCH GMBH**

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

**1)DYR BUSCH, DAMIAN**

**2)SARCEVIC, DEAN**

(57) Abstract :

The present subject matter relates to a diagnostic method for carrying out a diagnosis of a system, particularly of a physical system. The method includes converting the system into a plurality of predetermined system states, detecting a system characteristic of the system in at least two of the plurality of predetermined system states to obtain a state-specific curve of the system characteristic, and analysing the state-specific curve of the system characteristic to obtain a diagnosis result.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9553/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TOUCH ANYWHERE TO SPEAK

(51) International classification	:G07F/3/01
(31) Priority Document No	:12/482,429
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038213
Filing Date	:10/06/2010
(87) International Publication No	:WO 2010/144732
(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)MICROSOFT CORPORATION**

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITED STATES  
OF AMERICA

(72)**Name of Inventor :**

**1)SULLIVAN, ANNE K.**

**2)STIFELMAN, LISA**

**3)LEE, KATHLEEN, J.**

**4)LEONG, SU CHUIN**

---

(57) Abstract :

The present invention provides a user interface for providing press-to-talk-interaction via utilization of a touch-anywhere-to-speak module on a mobile computing device. Upon receiving an indication of a touch anywhere on the screen of a touch screen interface, the touch-anywhere-to-speak module activates the listening mechanism of a speech recognition module to accept audible user input and displays dynamic visual feedback of a measured sound level of the received audible input. The touch-anywhere-to-speak module may also provide a user a convenient and more accurate speech recognition experience by utilizing and applying the data relative to a context of the touch (e.g., relative location on the visual interface) in correlation with the spoken audible input.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2011

(21) Application No.9514/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VIRTUAL ROOM-BASED LIGHT FIXTURE AND DEVICE CONTROL

---

(51) International classification	:G09G 3/32
(31) Priority Document No	:61/183, 825
(32) Priority Date	:03/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001600
Filing Date	:02/06/2009
(87) International Publication No	:WO 2010/099780
(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)SAVANT SYSTEMS LLC**

Address of Applicant :886 MAIN STREET, OSTERVILLE,  
MA 02655, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)ROBERT P. MADONNA**

**2)NICHOLAS J. CIPOLLO**

(57) Abstract :

In one embodiment, a technique for controlling one or more devices within a physical room of a structure is provided. One or more devices in the structure are coupled, either directly or indirectly, to a programmable multimedia controller configured to issue control commands which, when implemented, change the state of the devices. A virtual room-based user interface is displayed on a display screen. The virtual room-based user interface may include one or more virtual rooms, each virtual room including a substantially photo-realistic depiction of a portion of the structure, including substantially photo-realistic depictions of one or more devices located within the portion of the structure. In response to the selection of a particular substantially photo-realistic visual depiction, the programmable multimedia controller may issue control commands which, when implemented, change the state of a particular device. The appearance of the particular virtual room may be updated to reflect the changed state.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9518/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COMPOSITIONS AND METHODS MODULATING MG29 FOR THE TREATMENT OF DIABETES

(51) International classification	:A61K 38/16
(31) Priority Document No	:61/217,926
(32) Priority Date	:05/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/37389
Filing Date	:04/06/2010
(87) International Publication No	:WO 2010/141810
(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)UNIVERSITY OF MEDICINE AND DENTISTRY OF  
NEW JERSEY**

Address of Applicant :OFFICE OF PATENTS AND  
LICENSING 1 WORLD'S FAIR DRIVE SUITE 2100  
SOMERSET, NEW JERSEY 08873 US U.S.A.

(72)**Name of Inventor :**

**1)LIN, PEIHUI CITIZENSHIP-US  
2)MA, JIANJIE  
3)WEISLEDER, NOAH  
4)ZHU, HUA**

---

(57) Abstract :

Disclosed herein are compositions and methods for treatment of muscle dysfunction, including diabetes. In addition, the invention relates to therapeutic compositions comprising nucleotides and/or polypeptides of the invention in combination with a pharmaceutically acceptable carrier, wherein the composition facilitates the treatment of skeletal muscle disorders. Moreover, the invention relates to the treatment and/or prevention of pathological conditions associated with altered intracellular Ca<sup>2+</sup> regulation and disrupted membrane structure that occurs when the expression levels of MG29 are reduced.

No. of Pages : 161 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9519/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AZABICYCLO COMPOUND AND SALT THEREOF

(51) International classification	:C07D 471/04
(31) Priority Document No	:2009-164196
(32) Priority Date	:10/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004466
Filing Date	:09/07/2010
(87) International Publication No	:WO 2011/004610
(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)TAIHO PHARMACEUTICAL CO., LTD.**

Address of Applicant :1-27, KANDANISHIKI-CHO,  
CHIYODA-KU, TOKYO 101-8444 JAPAN

(72)Name of Inventor :

**1)MAKOTO KITADE**

**2)SHUICHI OHKUBO**

**3)CHIHOKO YOSHIMURA**

**4)SATOSHI YAMASHITA**

**5)HIROMI OSHIUMI**

**6)TAKAO UNO**

**7)YUICHI KAWAI**

---

(57) Abstract :

It is intended to provide a novel azabicyclo compound which exhibits both HSP90 inhibitory activity and cell proliferation inhibitory effect. Specifically disclosed is a compound represented by the following general formula (I) or a salt thereof: wherein X1 represents CH or N; any one of X2, X3 and X4 represents N, and the others represent CH; any one or two of Y1, Y2, Y3 and Y4 represent C-R4, and the others are the same or different and represent CH or N; R1 represents an optionally substituted monocyclic or bicyclic unsaturated heterocyclic group having 1 to 4 heteroatoms selected from N, S and O; R2 represents an alkyl group having 1 to 6 carbon atoms, or the like; and R3 and R4 represent -CO-R5 or the like.

No. of Pages : 246 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9572/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A BENCH AND A METHOD FOR MAGNETOSCOPICALLY TESTING A TURBINE ENGINE SHAFT

(51) International classification	:G01N 27/84	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09/02815	<b>1)SNECMA</b>
(32) Priority Date	:10/06/2009	Address of Applicant :2, BOULEVARD DU GENERAL MARTIAL VALIN, F-75015 PARIS, FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/FR2010/051138	<b>1)GUILLAUME LAINAY</b>
Filing Date	:08/06/2010	<b>2)JEAN-CLAUDE LEMOAL</b>
(87) International Publication No	:WO 2010/142911	<b>3)LIONEL THIERRY</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A bench for magnetoscopically testing a tubular part (12), such as a turbine engine shaft, the bench comprising a tool (14) of elongate shape for inserting inside the part and carrying endoscopic means for ultraviolet illumination of the inside surface of the part and for observing any defects of the part, and indexing means (34) co-operating by mutual engagement with external references (32) of the tool that are regularly distributed over at least a fraction of its length in order to control accurately the advance and the position of the tool inside the part (12).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9573/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PRE-CONNECTORIZED OPTICAL FIBRE CABLE, AND KIT FOR THE DEPLOYMENT THEREOF

(51) International classification	:G02B 6/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2009/057024
Filing Date	:08/06/2009
(87) International Publication No	:WO 2010/142316
(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)PRYSMIAN S.P.A.

Address of Applicant :VIALE SARCA, 222, I-20126  
MILANO, ITALY

(72)Name of Inventor :

1)IAN JAMES GRIFFITHS

2)ANTONIO GIGLIO

3)LUCA CAVENAGHI

(57) Abstract :

An optical fiber cable, comprising at least one optical fiber (110) and a cable connector (105) at a cable end, and a removable cap (170) removably couplable to a free end of the cable connector. The cap comprises a recess (185) adapted to receiving and accommodating an anchor element (410) of a cable pulling rope (400), and to retain the anchor element against traction when the pulling rope is tractioned. Figure 1

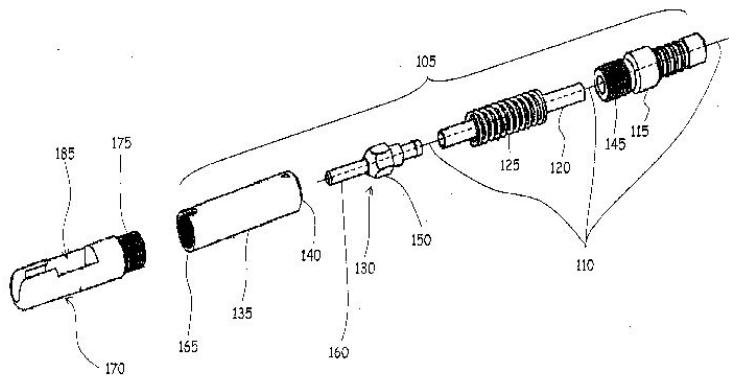


FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/12/2011

(21) Application No.9530/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : THERAPEUTIC DRUG FOR HYPERTENSION OR HIGH-NORMAL BLOOD PRESSURE

(51) International classification	:A61K 31/426
(31) Priority Document No	:61/220,717
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/JP2010/061301
Filing Date	:25/06/2010
(87) International Publication No	:WO 2010/150921
(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)TEIJIN PHARMA LIMITED**

Address of Applicant :2-1, KASUMIGASEKI 3-CHOME,  
CHIYODA-KU, TOKYO 100-0013, JAPAN

(72)**Name of Inventor :**

**1)TAKASHI SHIRAKURA**

**2)MIZUHO TAMURA**

**3)YOSHIMASA TAKAHASHI**

**4)IPPEI KUWAHARA**

---

(57) Abstract :

The present invention relates to a therapeutic drug or a preventive drug for hypertension or high-normal blood pressure, comprising (a) and (b) as active ingredients: (a) a 2-phenylthiazole compound represented by formula (I) or a pharmaceutically acceptable salt thereof; (b) at least one compound or a pharmaceutically acceptable salt thereof selected from the group consisting of calcium antagonists, renin-angiotensin system inhibitors, diuretics, sympatholytic agents, vasodilators, and medicinally acceptable salts of these. The present invention also relates to a therapeutic method or a preventive method for hypertension or high-normal blood pressure, comprising administering the above (a) and (b) in amounts effective for treating or preventing hypertension or high-normal blood pressure.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9588/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF 4-FLUORO-4-R-5-R'-1,3-DIOXOLANE-2-ONES

(51) International classification	:C07D 317/42
(31) Priority Document No	:09161429.7
(32) Priority Date	:28/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/057281
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/136506
(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)SOLVAY FLUOR GMBH

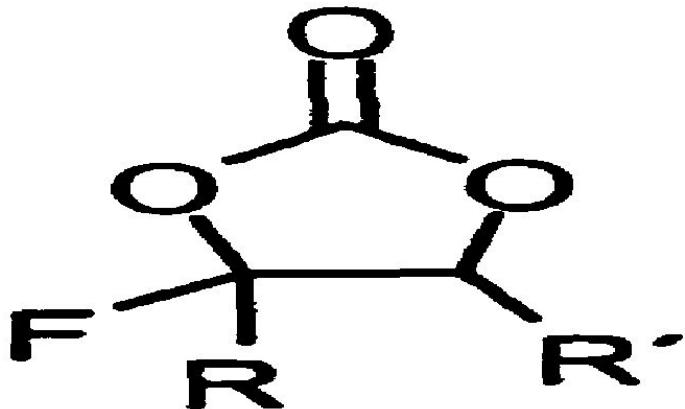
Address of Applicant :HANS-BOCKLER-ALLEE 20, 30173 HANNOVER, GERMANY

(72)Name of Inventor :

1)BOMKAMP, MARTIN  
2)OLSCHIMKE, JENS  
3)BROSCH, CARSTEN  
4)GROSSMANN, ANDREAS

(57) Abstract :

The present invention concerns 4-fluoro-4-R-5-R'-1,3-dioxolane-2-ones, wherein R is an alkyl group and R' is H or a C1 to C3 alkyl group, their manufacture, solvent mixtures for lithium ion batteries containing them and conductive salt solutions for lithium ion batteries, e.g. solutions containing LiPF6.



No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9589/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : A CHANGEABLE PANEL ASSEMBLY AND METHOD OF ASSEMBLING A CHANGEABLE PANEL

(51) International classification	:F16S 1/10
(31) Priority Document No	:2009902637
(32) Priority Date	:09/06/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000704
Filing Date	:07/06/2010
(87) International Publication No	:WO 2010/141980
(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)ELECTROLUX HOME PRODUCTS PTY LIMITED**  
Address of Applicant :163 O'RIORDAN STREET, MASCOT,  
NEW SOUTH WALES 2020, Australia

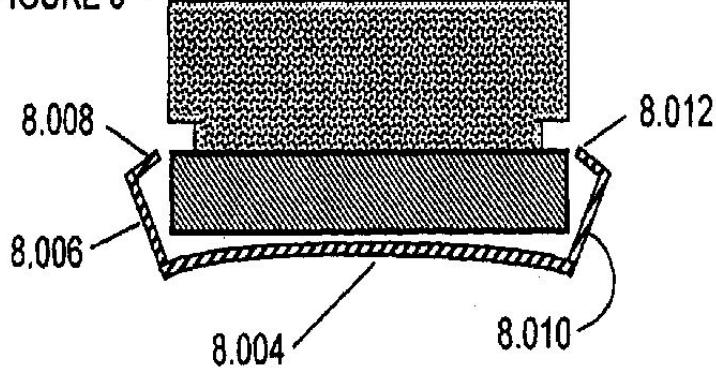
(72)Name of Inventor :

**1)GENG, DAVID**

(57) Abstract :

A panel attachment arrangement for attaching a panel 3.003 to a support 7.066 having a pair of opposite sides each opposite side having an engagement lip 7.078 which, in use, are on the opposite face of the support to the panel, the panel attachment arrangement including: a pair of first projections 3.005 adapted to receive a pair of opposite sides of a support; each projection including an inward transverse second projection 3.007 adapted to seat behind or in a corresponding one of the recesses in the support, wherein one or more of (a) the panel, (b) the first projections, or (c) the second projections are flexible or resilient, whereby the second projections can be resiliently splayed or flexed beyond the opposite sides of the support to engage the corresponding lip when the flexing force is removed.

**FIGURE 8**



No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9590/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MICROPOROUS MATERIALS SUITABLE AS SUBSTRATES FOR PRINTED ELECTRONICS

(51) International classification	:C08L 23/06
(31) Priority Document No	:12/482,115
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037874
Filing Date	:09/06/2010
(87) International Publication No	:WO 2010/144515
(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)PPG INDUSTRIES OHIO, INC.**

Address of Applicant :3800 WEST 143RD STREET,  
CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)BOYER, JAMES L.**

**2)PARRINELLO, LUCIANO M.**

**3)BENENATI, PAUL L.**

**4)RAMAN, NARAYAN K.**

**5)CAMPBELL, PAMELA L.**

**6)KOVACS, JOSEPH P.**

---

(57) Abstract :

Provided is a microporous material including (a) a polyolefin matrix which contains ultrahigh molecular weight polyolefin having a molecular weight greater than 7 million grams per mole and 30 to 80 weigh percent high density polyolefin, (b) finely divided particulate filler having a density ranging from 2.21 to 3.21 grams per cubic centimeter distributed throughout the matrix, and (c) at least 35 percent by volume of a network of interconnecting pores communicating throughout the microporous material. The microporous material has a density ranging from 0.6 to 0.9 g/cc, a Sheffield smoothness of less than or equal to 40, and an air flow rate of 1000 or more Gurley seconds. Printed electronic devices prepared from and methods of making the microporous material also are provided.

No. of Pages : 31 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9594/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR MAKING A CLEANING COMPOSITION EMPLOYING DIRECT INCORPORATION OF CONCENTRATED SURFACTANTS

(51) International classification	:C11D 11/00
(31) Priority Document No	:61/184,953
(32) Priority Date	:08/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037704
Filing Date	:08/06/2010
(87) International Publication No	:WO 2010/144390
(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)THE PROCTER & GAMBLE COMPANY**

Address of Applicant :ONE PROCTER & GAMBLE PLAZA,  
CINCINNATI, OH 45202, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)WISE, GEOFFREY , MARC**

(57) Abstract :

The proposed process of the present application passes a concentrated surfactant in a lamellar phase though a high-shear device diluting the concentrated surfactant in a lamellar phase to an isotropic phase without encountering the highly viscous middle phase.

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9575/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTROCHEMICAL PHASE TRANSFER DEVICES AND METHODS

---

(51) International classification	:G21G 1/00
(31) Priority Document No	:61/224,614
(32) Priority Date	:10/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/041735
Filing Date	:12/07/2010
(87) International Publication No	:WO 2011/006166
(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)GENERAL ELECTRIC COMPANY**

Address of Applicant :ONE RIVER ROAD,  
SCHENECTADY, NEW YORK, 12345, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)MARKO BALLER**

**2)VICTOR D. SAMPER**

**3)CHRISTIAN RENSCH**

**4)CHRISTOPH BOELD**

(57) Abstract :

Devices and methods for electrochemical phase transfer utilize at least one electrodes formed from either glassy carbon or a carbon and polymer composite. The device includes a device housing defining an inlet port, an outlet port and an elongate fluid passageway extending therebetween. A capture electrode and a counter electrode are positioned within said housing such that the fluid passageway extends between the capture and counter electrodes.

No. of Pages : 32 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9581/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : QUIESCENT STATE RETENTION MODE FOR ROCESSOR

(51) International classification	:G06F 1/26
(31) Priority Document No	:12/488,814
(32) Priority Date	:22/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039194
Filing Date	:18/06/2010
(87) International Publication No	:WO 2010/151494
(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)AMAZON TECHNOLOGIES, INC.

Address of Applicant :P.O. BOX 8102, RENO, NV 89507,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

1)LACHWANI, MANISH

2)BERBESSOU, DAVID

(57) Abstract :

A quiescent state retention mode (QSRM) permits minimal power consumption and dissipation by an electronic device while idle without producing adverse latencies to users or causing system instability. Upon a call to enter the QSRM, processes may be frozen, clocks may be gated, switching regulators may be placed in low power mode, SDRAM may be placed into self-refresh mode, caches may be flushed, IRQs may be disabled, and the system waits for interrupt to wakeup. In the QSRM, powered components include the switching regulator configured to provide power to the processor is maintained in a low power mode while the SDRAM is placed in self-refresh.

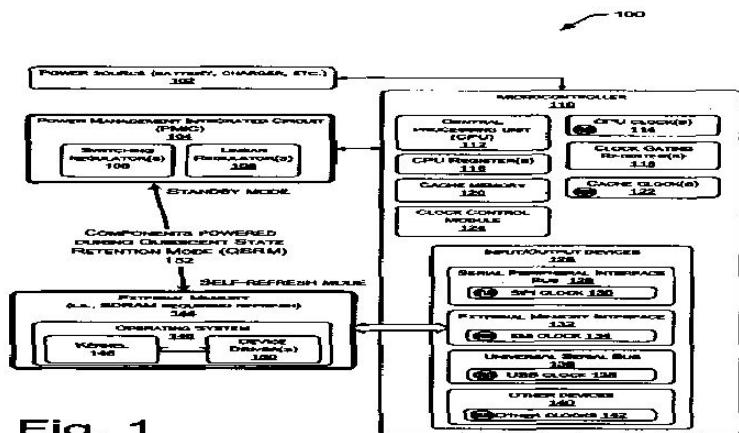


Fig. 1

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9583/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : THIN FILM PERVAPORATION MEMBRANES

(51) International classification	:B01D 69/14
(31) Priority Document No	:PCT/EP2009/056006
(32) Priority Date	:18/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056791
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/145901
(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)VITO NV

Address of Applicant :BOERETANG 200, MOL B-2400  
BELGIUM

(72)Name of Inventor :

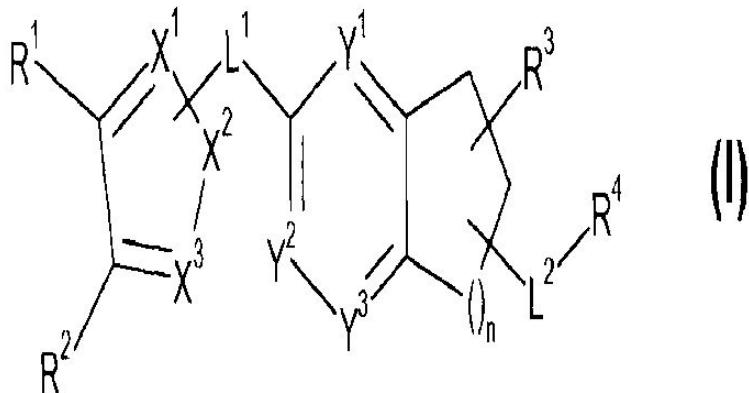
1)VANDEZANDE, PICTER

2)CLAES, STAN, VIC. VALERIE

3)MULLENS, STEVEN, HANS, RIK, WOUTER

(57) Abstract :

The present invention relates to a heterocyclic derivative according to formula (I); wherein the variables are defined as in the specification, or to a pharmaceutically acceptable salt or solvate thereof. The present invention also relates to a pharmaceutical composition comprising said heterocyclic derivatives and to their use in therapy, for instance in the treatment or prevention of psychiatric diseases where an enhancement of synaptic responses mediated by AMPA receptors is required, including schizophrenia, depression and Alzheimer's disease.



No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9607/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SODIUM IBUPROFEN TABLETS AND METHODS OF MANUFACTURING PHARMACEUTICAL COMPOSITIONS INCLUDING SODIUM IBUPROFEN

(51) International classification	:A61K 9/20
(31) Priority Document No	:61/219,149
(32) Priority Date	:22/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/039346 :21/06/2010
(87) International Publication No	:WO 2011/005478
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)WYETH LLC**

Address of Applicant :FIVE GIRALDA FARMS, MADISON,  
NJ 07940, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)SEYER JEFFERY J.**

**2)CONDER AMY L.**

**3)TAYLOR ANGELA P.**

**4)SHAW BONNY RENE**

---

(57) Abstract :

Sodium ibuprofen compositions and methods of manufacturing tablets and caplets comprising sodium ibuprofen are described. The formulation is advantageous because it allows for the formation of tablets having low sodium content and further provides tablets exhibiting improved physical stability, high tablet hardness and high strength, coupled with excellent dissolution and bioavailability characteristics. The formulations and processes are further advantageous because they can be produced in large quantities without an unacceptable number of defective tablets.

No. of Pages : 53 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9612/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ACTIVE MATERIAL FOR BATTERIES, NON-AQUEOUS ELECTROLYTE BATTERY, AND BATTERY PACK

(51) International classification	:H01M 4/48	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/JP2009/059800	<b>1)KABUSHIKI KAISHA TOSHIBA</b>
(32) Priority Date	:28/05/2009	Address of Applicant :1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, Japan
(33) Name of priority country	:PCT	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2009/059800	<b>1)INAGAKI HIROKI</b>
Filing Date	:28/05/2009	<b>2)HOSHINA KEIGO</b>
(87) International Publication No	:WO 2010/137154	<b>3)HARADA YASUHIRO</b>
(61) Patent of Addition to Application Number	:NA	<b>4)OTANI YUKI</b>
Filing Date	:NA	<b>5)TAKAMI NORIO</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An active material for batteries includes a titanium composite oxide, wherein the titanium composite oxide comprises a monoclinic - type titanium composite oxide as a main phase, and when an integral intensity of the main peak of the monoclinic -type titanium composite oxide obtained with a wideangle X-ray diffraction method having a CuK $\alpha$ -ray as an X-ray source is 100, the relative value of the integral intensity of the main peak that presents the range of 28=25.1 to 25.5° attributed to at least one sub-phase selected from anatase-type TiO<sub>2</sub> and H<sub>2</sub>Ti<sub>8</sub>O<sub>17</sub> is 30 or less, and the titanium composite oxide has a crystallite diameter of 5 nm or more as calculated from the main peak of the monoclinic -type titanium composite oxide obtained with the wideangle X-ray diffraction method. The active material has a high capacity and excellent large-current performance.

No. of Pages : 63 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9569/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : WIND TURBINE BLADE AND WIND TURBINE GENERATOR HAVING THE SAME

(51) International classification	:F03D 11/00
(31) Priority Document No	:2009-292398
(32) Priority Date	:24/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/072213
Filing Date	:10/12/2010
(87) International Publication No	:WO 2011/077970
(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)MITSUBISHI HEAVY INDUSTRIES, LTD.**

Address of Applicant :16-5, KONAN 2-CHOME, MINATO-KU, TOKYO 1088215, JAPAN

(72)Name of Inventor :

**1)TAKEHIRO NAKA**

**2)TAKATOSHI MATSUSHITA**

**3)NOBUYASU NAKAMURA**

**4)YOSHIHIKO HAYASHI**

**5)SHINJI ARINAGA**

---

(57) Abstract :

A wind turbine blade has a blade body 11, a plurality of receptors 12, 13 embedded in and exposed to the surface of the blade body 11, a conductor layer 14 provided on the surface of the blade body 11 and connecting the receptors 12, 13 with one another and a downconductor 21 connected to the receptors 12, 13 and provided in the blade body 11. The downconductor 21 may be embedded in an insulator.

No. of Pages : 78 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9571/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : MAGENTA DYES AND INKS FOR USE IN INK JET PRINTING

(51) International classification	:C09B 29/36
(31) Priority Document No	:0910806.9
(32) Priority Date	:23/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050861
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/149988
(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)FUJIFILM IMAGING COLORANTS LIMITED

Address of Applicant :PO BOX 42, HEXAGON TOWER,  
BLACKLEY, MANCHESTER M9 8ZS, UNITED KINGDOM

(72)Name of Inventor :

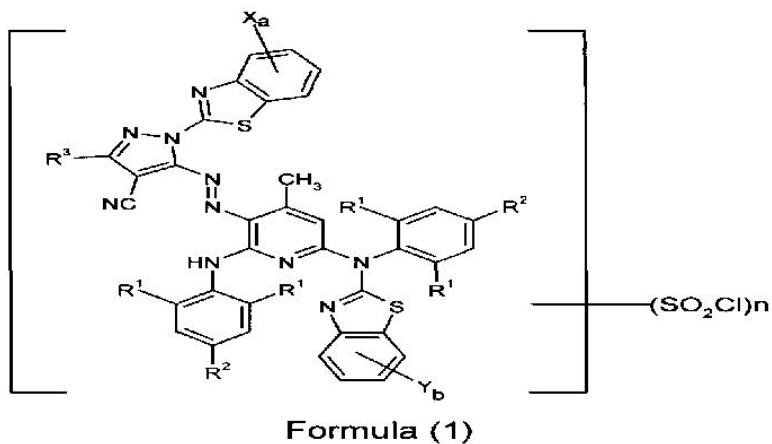
1)CLIVE FOSTER

2)GAVIN WRIGHT

3)TOSHIKI FUJIWARA

(57) Abstract :

An oligomerised dye compound, and salts thereof, obtainable by a process which comprises reacting a compound of Formula (1) and salts thereof with a compound of Formula (2) and salts thereof Formula (1) wherein: R1 and R2 are independently H, optionally substituted alkyl, optionally substituted aryl or optionally substituted heteroaryl; R3 is optionally substituted alkyl, optionally substituted aryl or optionally substituted heteroaryl; X and Y are independently a substituent; a + b = 0 to 4; n = 1 to 6; L-(NH2)m Formula (2) wherein: L comprises an optionally substituted, or optionally interrupted, aliphatic group, an optionally substituted aromatic group or an optionally substituted heterocyclic group; and m is 2 to 4. Also compositions, inks, printing processes, printed materials and ink jet cartridges.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9627/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : OXYGEN SCAVENGING TERPOLYMERS

(51) International classification	:C08G 63/91
(31) Priority Document No	:61/218,637
(32) Priority Date	:19/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038977
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/148188
(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)POLYONE CORPORATION**

Address of Applicant :33587 WALKER ROAD, AVON LAKE, OHIO 44012, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)LING HU**

**2)ROGER W. AVAKIAN**

(57) Abstract :

A method and system for oxygen molecule scavenging is disclosed. The system employs as a novel terpolymer as the reducing agent for oxygen molecules. The terpolymer is the polymerization product of macrocyclic poly(alkylene dicarboxylate) oligomer, unsaturated functional polymer, and epoxy-functional styrene-acrylate oligomer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9630/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMPROVEMENT OF IMMUNODETECTABILITY

---

(51) International classification	:G01N 33/53
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SE2009/000328
Filing Date	:26/06/2009
(87) International Publication No	:WO 2010/151180
(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)ATLAS ANTIBODIES AB**

Address of Applicant :ALBANOVA  
UNIVERSITETSCENTRUM, S-106 91 STOCKHOLM,  
SWEDEN

(72)**Name of Inventor :**

**1)MATHIAS UHLEN**

**2)JOCHEN SCHWENK**

(57) Abstract :

In the present disclosure, there is provided a method for improving the immunodetectability of at least one protein in an optionally diluted sample of blood, serum or plasma, comprising a step of heating the sample to a temperature of 64 - 85 °C prior to a contact between the sample and at least one affinity ligand for detection and/or quantification of the at least one protein

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9633/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD OF MANUFACTURING A REACTOR AND SET OF REACTORS

(51) International classification	:B01J 19/00
(31) Priority Document No	:PCT/EP2009/055740
(32) Priority Date	:12/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056597
Filing Date	:12/05/2010
(87) International Publication No	:WO 2010/130811
(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)LONZA AG

Address of Applicant :MUNCHENSTEINERSTRASSE 38,  
CH-4052 BASEL (CH) Switzerland

(72)Name of Inventor :

1)ROBERGE, DOMINIQUE  
2)KOCKMANN, NORBERT  
3)GOTTSPONER, MICHAEL  
4)EYHOLZER, MARKUS

(57) Abstract :

A method of manufacturing a target reactor having a flow-channel system in which a plurality of reactants continuously flowing into said target reactor are mixed and inter-convert to form a target volumetric flow-rate (f2) of a product continuously flowing out of said target reactor, wherein the smallest hydraulic diameter (dh2) of said target reactor is calculated based on the relationship (formula) in a turbulent or transitional turbulent flow, wherein n is a non-integer number with  $1 > n > 0$ , between the corresponding smallest hydraulic diameter (dhl) of a standard reactor having the same fluidic type of flow-channel system, f1 is a standard volumetric flow-rate of said standard reactor carrying out the same interconversion, and f2 is said target volumetric flow-rate.

No. of Pages : 31 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9634/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : FUEL PUMP

(51) International classification	:F04C 2/14
(31) Priority Document No	:10 2009 026 964.9
(32) Priority Date	:16/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/055020
Filing Date	:16/04/2010
(87) International Publication No	:WO 2010/145862
(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)ROBERT BOSCH GMBH**

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

**1)FRANK, JOSEF**

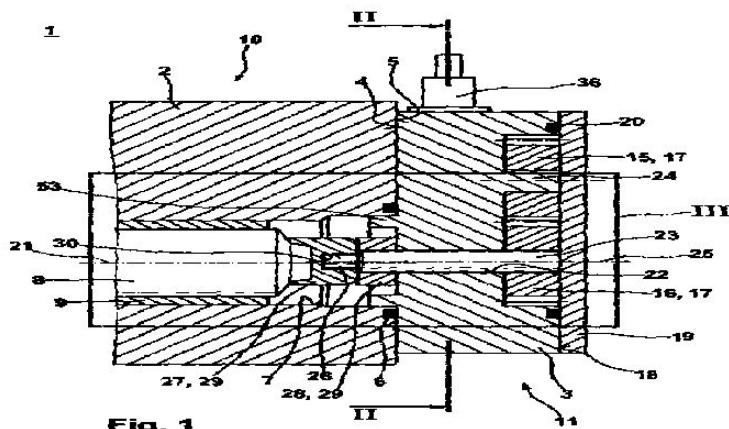
**2)BOECKING, FRIEDRICH**

**3)ORTNER, KLAUS**

**4)GREINER, MATTHIAS**

(57) Abstract :

Described herein is a fuel pump (1) for fuel-injection systems of air-compressing, self-igniting internal combustion engines. The fuel pump (1) comprises at least one housing part (3), a first toothed wheel (15), and a second toothed wheel (16), wherein the first toothed wheel (15) and the second toothed wheel (16) are arranged in the housing part (3) and intermesh with each other to form a gear pump, and wherein an inlet or return (35, 36) is provided for the gear pump (17), which is provided in the housing part (3).



No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9613/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : EXHAUST BRAKE

(51) International classification	:F02D 9/06
(31) Priority Document No	:12/483,854
(32) Priority Date	:12/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037781
Filing Date	:08/06/2010
(87) International Publication No	:WO 2010/144454
(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)JACOBS VEHICLE SYSTEMS, INC.

Address of Applicant :22 EAST DUDLEY TOWN ROAD,  
BLOOMFIELD, CT 06002, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)JACOB M. MOORE

2)ZDENEK S. MEISTRICK

3)NEIL E. FUCHS

4)STEVEN BOTELLIO

5)ZHI QIANG CHU

(57) Abstract :

An exhaust brake and method of operating an exhaust brake are disclosed. The exhaust brake may have a housing having a central opening and a boss with a central bore, wherein the central bore intersects the central opening. A butterfly gate may be pivotally mounted in the central opening. The butterfly gate may have a bypass opening provided in an outer edge of the butterfly gate, and an upstream side. A dual-diameter piston may be slideably disposed in the central bore. The piston may have a lower end received in the bypass opening and an upper end distal from the bypass opening. One or more passages may extend between the central opening and the central bore at the upstream side of the butterfly gate, and a spring may bias the piston lower end into the bypass opening. The piston lower end may selectively unblock the bypass opening responsive to the application of static exhaust gas pressure to the piston upper end. The shape of the bypass opening and the piston lower end may be selected so that piston lower end fits closely within the bypass opening and thereby removes soot build up in the opening as a result of operation of the exhaust brake.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9614/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHODS AND INSTRUMENT FOR MEASUREMENT OF PAINT SAMPLE CHARACTERISTICS

(51) International classification	:G01B 11/06
(31) Priority Document No	:2009902392
(32) Priority Date	:26/05/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000630
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/135768
(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)BUCHER, UDO WOLF**

Address of Applicant :605/227 VICTORIA STREET,  
DARLINGHURST, NEW SOUTH WALES 2010, AUSTRALIA

(72)Name of Inventor :

**1)BUCHER, UDO WOLF**

(57) Abstract :

An instrument for measuring volume solids of a paint sample is described, the instrument comprising: sensor means arranged to emit and detect signals reflected from the surface of the paint sample on a substrate, for generating data sets consisting of data indicative of the position of the surface of the same paint sample when wet and when dry and the position of at least one reference surface, the sensor means being located so as to be distanced from the paint sample for the emission and detection of the signals; and processing means for processing the data sets generated by the sensor means to determine the volume solids of the paint sample.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9615/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DRY COATING THICKNESS MEASUREMENT AND INSTRUMENT

---

(51) International classification	:G01B 11/06
(31) Priority Document No	:2009902392
(32) Priority Date	:26/05/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000632
Filing Date	:25/05/2010
(87) International Publication No	:WO 2010/135770
(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)BUCHER, UDO WOLF**

Address of Applicant :605/227 VICTORIA STREET,  
DARLINGHURST, NEW SOUTH WALES 2010, AUSTRALIA

(72)Name of Inventor :

**1)BUCHER, UDO WOLF**

(57) Abstract :

There are provided instruments for measuring and/or controlling the thickness of a coating applied to a substrate. An instrument embodied by the invention comprises coating removal means for removing a quantity of the coating to partially expose the surface of the substrate. The instrument also includes sensor means for emitting and detecting signals reflected from the surface of the coating and the exposed surface of the substrate to generate one or more data sets consisting of data indicative of the position of the surface of the coating and the position of the surface of the substrate. The sensor means is arranged so as to be distanced from the coating and the substrate, and is adapted to detect the signals reflected from the surface of the substrate during relative movement between the substrate and the sensor means. The data sets generated by the sensor means are processed by processing means of the instrument to determine the dry thickness of the coating on the substrate. Methods for measuring the dry thickness of the coating utilising instruments of the invention are also provided.

No. of Pages : 32 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9650/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INK, INKJET PRINTER, AND METHOD FOR PRINTING

---

(51) International classification	:C09D 11/00
(31) Priority Document No	:JP 2009-135558
(32) Priority Date	:04/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002863
Filing Date	:21/04/2010
(87) International Publication No	:WO 2010/140294
(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)MIMAKI ENGINEERING CO., LTD.**

Address of Applicant :2182-3, SHIGENO-OTSU, TOMI-CITY, NAGANO 389-0512, JAPAN

(72)Name of Inventor :

**1)OHNISHI, MASARU**

(57) Abstract :

Provided is an ink which, when used in an inkjet printer, can produce glossy and high-definition printed images. The ink is prepared by adding n-hexane to a UV-curable ink, which consists of a monomer, an oligomer, a photopolymerization initiator, a sensitizer, a coloring matter, and an additive and which exhibits a viscosity of at least 30 mPasec (at 25°), so that the content of n-hexane in the whole ink is adjusted to 75 wt% in order to obtain an ink having a viscosity of 8 mPasec.

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9596/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTROSPINNING OF POLYAMIDE NANOFIBERS

---

(51) International classification	:D01D 5/00
(31) Priority Document No	:09165497.0
(32) Priority Date	:15/07/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/060222
Filing Date	:15/07/2010
(87) International Publication No	:WO 2011/006967
(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)DSM IP ASSETS B. V.**

Address of Applicant :HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS

(72)Name of Inventor :

**1)DULLAERT,KONRAAD ALBERT LOUISE HECTOR**

**2)BULTERS, MARKUS JOHANNES HENRICUS**

**3)RULKENS, RUDY**

**4)CHICHE, ARNAUD DAVID HENRI**

(57) Abstract :

The invention relates to a process for the preparation of polyamide nanofibers by electrospinning, wherein the process is a multi-nozzle electrospinning process with the use of a multi-nozzle device or a nozzle-free electrospinning with the use of nozzle free device, comprising steps wherein a high voltage is applied, a polymer solution comprising a polymer and a solvent is fed to the multi-nozzle device or the nozzle free device and transformed under the influence of the high voltage into charged jet streams the jet streams are deposited on a substrate or taken up by a collector, and the polymer in the jet streams solidifies thereby forming nanofibres, and wherein the polymer comprises a semi-crystalline polyamide having a C/N ratio of at most 5.5 and a weight average molecular weight (Mw) of at most 35,000. The invention also relates polyamide nanofibers made by the electrospinning process, as well as to products made thereof and use thereof..

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9598/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ELECTRICAL CONNECTOR

(51) International classification	:H01R 4/24
(31) Priority Document No	:09382067.8
(32) Priority Date	:11/05/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/055655
Filing Date	:27/04/2010
(87) International Publication No	:WO 2010/130574
(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)TYCO ELECTRONICS AMP ESPANA SA,  
Address of Applicant :MUTANER 249, 5A PLANTA, E -  
08021 BARCELONA, SPAIN

(72)Name of Inventor :

1)CARRERAS GARCIA, ANTONIO  
2)SANABRA JANSA, JOSE JAIME

(57) Abstract :

A cap for an electrical connector comprises a housing and a first cutting member with a first cutting blade. The housing includes an aperture for receiving a cable therethrough. The housing comprises at least a first wire guiding for guiding a first wire of the cable between the aperture and a first recess in a first outside wall of the housing. The first cutting member is arranged in a first slot of the housing and crosses the first wire guiding between the aperture and the first recess. The first cutting member is provided for cutting the first wire. Figure 4

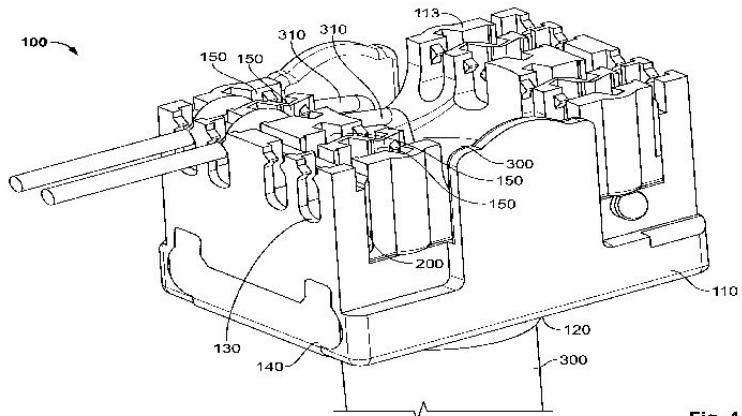


Fig. 4

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9599/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BEVERAGE CARTRIDGE WITH FILTER GUARD

(51) International classification	:B65D 85/804
(31) Priority Document No	:12/474,420
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036169
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/138563
(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)KEURIG, INCORPORATED**

Address of Applicant :55 WALKERS BROOK DRIVE,  
READING, MASSACHUSETTS 01867-3272, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

**1)BEAULIEU, RODERICK H.**

**2)WUERTELE, JAMES W.**

---

(57) Abstract :

A cartridge for forming a beverage includes a container defining an interior space, a filter, a beverage medium contained in the interior space, and a filter guard. The filter may be arranged so that liquid that interacts with the beverage medium flows through the filter to exit the interior space. The container may include a surface arranged to be pierced by a piercing member to permit beverage to exit the container. The filter guard may be arranged to contact the piercing member to resist damage to the filter when the container surface is pierced. In one embodiment, the filter guard and filter may be in contact with the container surface that is pierced, yet damage to the filter that might be caused by the piercing element may be avoided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2011

(21) Application No.9600/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NANOFIBRE MEMBRANE LAYER FOR WATER AND AIR FILTRATION

---

(51) International classification	:B01D 39/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09165497.0	<b>1)DSM IP ASSETS B.V.</b>
(32) Priority Date	:15/07/2009	Address of Applicant :HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS
(33) Name of priority country	:EUROPEAN UNION	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/060235	<b>1)DULLAERT, KONRAAD ALBERT LOUISE HECTOR</b>
Filing Date	:15/07/2010	<b>2)DORSCHU, MARKO</b>
(87) International Publication No	:WO 2011/015439	<b>3)CHICHE, ARNAUD DAVID HENRI</b>
(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 nanofibre membrane layer having a basis weight of 0.01 -50 g/m<sup>2</sup> and a porosity of 60 - 95 %, comprising a nanoweb made of polymeric nanofibres with a number average diameter in the range of 50 -600 nm, consisting of a polymer composition comprising a semicrystalline polyamide having a C/N ratio of at most 5.5. The invention also relates to water and air filtration devices comprising such a nanofibre membrane layer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9660/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INSECTICIDAL COMPOUNDS

(51) International classification

:C07D 413/12

(31) Priority Document No

:0910768.1

(32) Priority Date

:22/06/2009

(33) Name of priority country

:U.K.

(86) International Application No

:PCT/EP2010/058207

Filing Date

:11/06/2010

(87) International Publication No

:WO 2010/149506

(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)SYNGENTA PARTICIPATIONS AG**

Address of Applicant :SCHWARZWALDALLEE 215, CH-4058 BASEL, SWITZERLAND.

**2)SYNGENTA LIMITED**

**3)NA**

**4)NA**

**5)NA**

**6)NA**

(72)Name of Inventor :

**1)RENOLD PETER**

**2)CASSAYRE JEROME YVES**

**3)EL QACEMI MYRIEM**

**4)PABBA JAGADISH**

**5)PITTERNA THOMAS**

(57) Abstract :

The invention relates to compounds of formula (I) where A1, A2, A3, A4, G, R1, R2, R3 and R4 are as defined in claim 1; or a salt or N-oxide thereof. Furthermore, the present invention relates to processes and intermediates for preparing compounds of formula (I), to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising the compounds of formula (I) and to methods of using the compounds of formula (I) to control insect, acarine, nematode and mollusc pests.

No. of Pages : 68 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9638/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : HIGH PRESSURE PUMP

(51) International classification	:F04B 1/04
(31) Priority Document No	:10 2009 027 272.0
(32) Priority Date	:29/06/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/055887
Filing Date	:30/04/2010
(87) International Publication No	:WO 2011/000598
(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)ROBERT BOSCH GMBH**

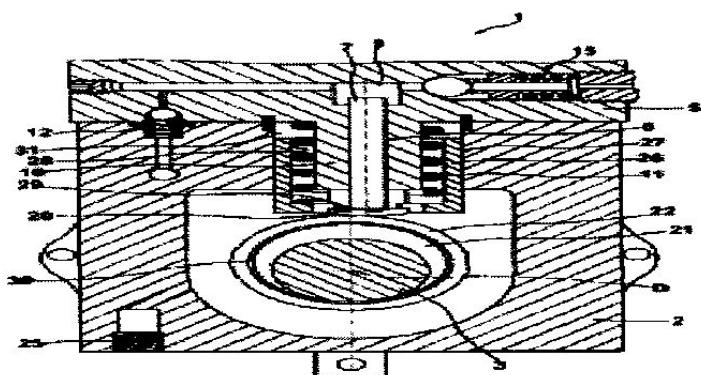
Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

**1)BOECKING, FRIEDRICH**

(57) Abstract :

A high pressure pump (1) for a fuel injection device of an internal combustion engine, comprising a pump element (6) with a pump piston (7), which by means of an eccentric (21) provided on a rotatably mounted drive shaft (3) and an eccentric ring (22) is moved up and down in accordance with an eccentric stroke. Further, the pump piston (7) is arranged in a bucket tappet (26). Fig. 2



**Fig. 2**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9644/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DIKETOPIPERAZINE MICROPARTICLES WITH DEFINED ISOMER CONTENTS

(51) International classification	:A61K 9/16
(31) Priority Document No	:61/186,779
(32) Priority Date	:12/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038287
Filing Date	:11/06/2010
(87) International Publication No	:WO 2010/144785
(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)MANNKIND CORPORATION

Address of Applicant :28903 NORTH AVENNU PINE,  
VALENCIA, CALIFORNIA 91355 U.S.A.

(72)Name of Inventor :

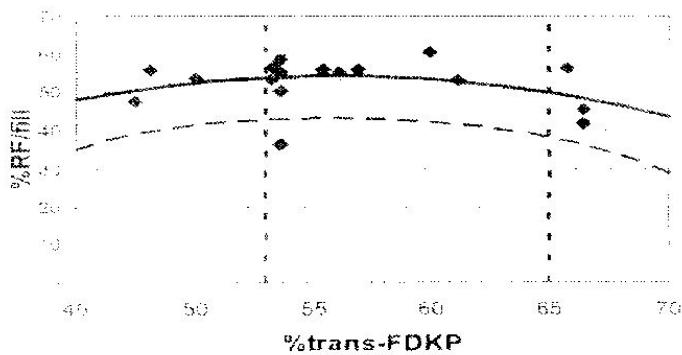
1)KRAFT, KELLY, SULLIVAN

2)SOMERVILLE, KARLA

(57) Abstract :

Disclosed herein are fumaryl diketopiperazine (FDKP) compositions and microparticles having a specific trans isomer content of about 45% to about 65%. The FDKP microparticles can comprise a drug such as an endocrine hormone, including, peptide, including, insulin, glucagon, parathyroid hormones and the like and can be used to make a powder formulation for pulmonary delivery of the drug.

FIG. 8



No. of Pages : 35 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9645/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHODS FOR PRETREATING BIOMASS

(51) International classification	:C12P 1/00
(31) Priority Document No	:61/180,308
(32) Priority Date	:21/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035826
Filing Date	:21/05/2010
(87) International Publication No	:WO 2010/135679
(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)BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY

Address of Applicant :450 ADMINISTRATION BUILDING, EAST LANSING, MICHIGAN 48824 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)VENKATESH, BALAN  
2)DALE, BRUCE, E.  
3)CHUNDAWAT, SHISHIR  
4)SOUSA, LECONARDO

(57) Abstract :

A method of alkaline pretreatment of biomass, in particular, pretreating biomass with gaseous ammonia.

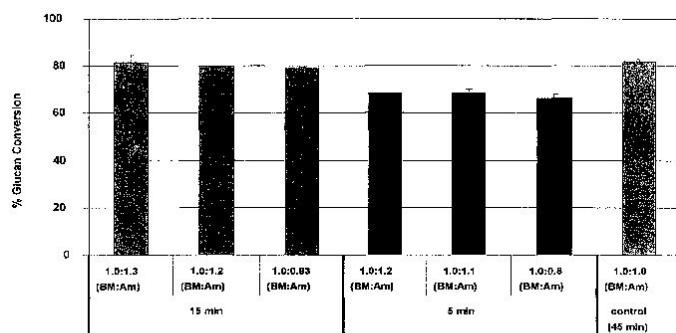


FIGURE 2

No. of Pages : 33 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9649/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DIKETOPIPERAZINE MICROPARTICLES WITH DEFINED SPECIFIC SURFACE AREAS

---

(51) International classification	:A61K 9/14
(31) Priority Document No	:61/186/773
(32) Priority Date	:12/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038298
Filing Date	:11/06/2009
(87) International Publication No	:WO 2010/144789
(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)MANNKIND CORPORATION**

Address of Applicant :28903 NORTH AVENUE PAINÉ,  
VALENCIA, CALIFORNIA 91355 UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)GRANT, MARSHALL, L.**

**2)STOWELL, GRAYSON, W.**

**3)MENEIN, PAUL**

---

(57) Abstract :

Disclosed herein are diketopiperazine microparticles having a specific surface area of less than about 67 m<sup>2</sup>/g. The diketopiperazine microparticle can be fumaryl diketopiperazine and can comprise a drug such as insulin.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9672/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD AND ARRANGEMENT FOR IMPROVED CONTROLLABILITY OF FUEL CELL STACKS

(51) International classification	:H01M 8/24
(31) Priority Document No	:20095775
(32) Priority Date	:08/06/2009
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2010/050440
Filing Date	:31/05/2010
(87) International Publication No	:WO 2010/004058
(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)WARTSILA FINLAND OY

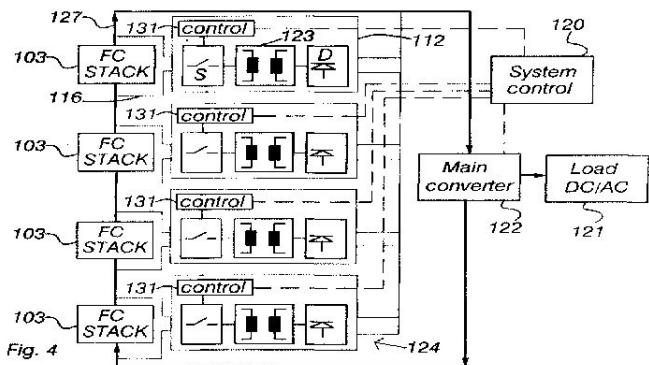
Address of Applicant :TARHAAJANTIE 2, FI-65380, VAASA, FINLAND

(72)Name of Inventor :

1)ASTROM, KIM

(57) Abstract :

The object of the invention is an arrangement for adjusting an arrangement or adjusting current values in a fuel cell system for producing electricity with fuel cells, each fuel cell in the fuel cell system comprises an anode side 100, a cathode side 102 and an electrolyte 104 between the anode side and the cathode side, and the fuel cell system comprises at least two electrically serial connected individual fuel cell stacks or groups of stacks, each said stack 103 comprising at least one fuel cell. The arrangement for adjusting current values in the fuel cell system comprises means for drawing the major part of the current from the at least one serial connection, integration means 116, 124 for integrating the at least one adjusting circuit with the individual fuel cell stacks or groups of stacks for arranging a small compensation current, compared to the major part of the current, to pass via the at least one adjusting circuit, and the at least one adjusting circuit 112 comprises means for controlling the small compensation current in the at least one fuel cell stack 103.



No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9675/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SUBSTITUTED PIPERIDINES

(51) International classification	:C07D 417/14
(31) Priority Document No	:10 2009 022 894.2
(32) Priority Date	:27/05/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/003024 :18/05/2010
(87) International Publication No	:WO 2010/136138
(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)BAYER PHARMA AKTIENGESELLSCHAFT**

Address of Applicant :MULLERSTRASSE 178, 13353  
BERLIN, GERMANY

(72)Name of Inventor :

- 1)DIRK HEIMBACH**
- 2)SUSANNE ROHRIG**
- 3)YOLANDA CANCHO GRANDE**
- 4)ECKHARD BENDER**
- 5)KATJA ZIMMERMANN**
- 6)ANJA BUCHMULLER**
- 7)CHRISTOPH GERDES**
- 8)MARK JEAN GNOTH**
- 9)KERSTEN MATTHIAS GERICKE**
- 10)MARIO JESKE**

(57) Abstract :

The invention relates to novel substituted piperidines, to processes for preparation thereof, to the use thereof for treatment and/or prophylaxis of diseases and to the use thereof for production of medicaments for treatment and/or prophylaxis of diseases, especially of cardiovascular diseases and tumour diseases.

No. of Pages : 149 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9677/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SOLID PHARMACEUTICAL COMPOSITIONS AND PROCESSES FOR THEIR PRODUCTION

---

(51) International classification	:A61K 9/16
(31) Priority Document No	:61/216,493
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001434
Filing Date	:14/05/2010
(87) International Publication No	:WO 2010/134965
(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)MILLENNIUM PHARMACEUTICALS, INC.**

Address of Applicant :40 LANDSDOWNE STREET,  
COMBRIDGE, MA 02139, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BHAVISHYA MITTAL**

(57) Abstract :

This invention provides novel solid pharmaceutical compositions and processes for the bulk production of said compositions. This invention also provides methods of using the pharmaceutical compositions in the treatment of cancer.

No. of Pages : 52 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9651/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SEMI-SOLID COMPOSITIONS AND PHARMACEUTICAL PRODUCTS

---

(51) International classification	:A61K 31/195
(31) Priority Document No	:09251537.8
(32) Priority Date	:11/06/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/EP2010/003532
Filing Date	:11/06/2010
(87) International Publication No	:WO 2010/142457
(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)PHOTOCURE ASA**

Address of Applicant :HOFFSVEINEN 4, N-0275 OSLO,  
NORWAY

(72)**Name of Inventor :**

**1)STENSRUD, GRY**

(57) Abstract :

The invention relates to semi-solid compositions and semi-solid pharmaceutical products for use in the photodynamic treatment (PDT) of cancer, pre-cancerous conditions and non-cancerous conditions in the female reproductive system, the anus and the penis, preferable for use in PDT of endometrial, cervical, vulvar, vaginal, anal and penile dysplasia and HPV infections of the uterus, cervix, the vulva, the vagina, the anus and the penis. The semi-solid compositions and pharmaceutical products comprise an active ingredient which is 5-aminolevulinic acid (5-ALA) or a precursor or derivative of 5-ALA or pharmaceutically acceptable salts thereof. The invention relates further to methods of PDT of cancer, pre-cancerous conditions and non-cancerous conditions in the female reproductive system, the anus and the penis, wherein said-solid compositions and pharmaceutical products are used.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9654/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MEMBRANE SYSTEM WITH WIDE OPERATING RANGE GAS SEPARATION MEMBRANE PROCESS AND SYSTEM WITH WIDE OPERATING RANGE

(51) International classification

:B01D 53/22

(31) Priority Document No

:61/185,965

(32) Priority Date

:10/06/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/037892

Filing Date

:09/06/2010

(87) International Publication No

:WO 2010/144523

(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)L'AIR LIQUIDE-SOCIETE ANONYME POUR  
L'ETUDE ET L'EXPLOITATION DES PROCEDES  
GEORGES CLAUDE

Address of Applicant :75 QUAI D'ORSAY, PARIS, FRANCE  
F-75007 France

(72)Name of Inventor :

1)SANDERS EDGAR S., JR.  
2)GADRE SARANG  
3)BENNETT MICHAEL D.  
4)ROMAN IAN C.  
5)HASSE DAVID J.  
6)MONDAL INDRASIS

---

(57) Abstract :

A fast gas is recovered from a feed gas containing a fast gas and at least one slow gas using a gas separation membrane. A controller may control a control valve associated with a partial recycle of a permeate gas from the membrane for combining with the feed gas. A controller may control a control valve associated with the backpressure of a residue gas from the membrane.

No. of Pages : 44 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9657/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHODS FOR TREATMENT OF METABOLIC DISORDERS UNING EPIMETABOLIC SHIFTERS, MULTIDIMENSIONAL INTRACELLULAR MOLECULES, OR ENVIRONMENTAL INFLUENCERS

(51) International classification	:A61K 31/122
(31) Priority Document No	:61/177,244
(32) Priority Date	:11/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034447
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/132502
(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)BERG BIOSYSTEMS LLC**

Address of Applicant :1845 ELM HILL PIKE, NASHVILLE, TN 37210, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)NARAIN NIVEN RAJIN**

**2)MCCOOK JOHN PATRICK**

**3)SARANGARAJAN RANGAPRASAD**

---

(57) Abstract :

Methods and formulations for treating metabolic disorders in humans using epimetabolic shifters, multidimensional intracellular molecules or environmental influencers are described.

No. of Pages : 225 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9687/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COOLING METHOD AND COOLING DEVICE FOR A SINGLE-FLOW TURBINE

(51) International classification	:F01D 25/12
(31) Priority Document No	:2009-289415
(32) Priority Date	:21/12/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/070599
Filing Date	:18/11/2010
(87) International Publication No	:WO 2011/077872
(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)MITSUBISHI HEAVY INDUSTRIES , LTD.**

Address of Applicant :16-5, KONAN 2-CHOME, MINATO-KU, TOKYO 1088215, JAPAN

(72)Name of Inventor :

**1)SHIN NISHIMOTO**

**2)YOSHINORI TANAKA**

**3)TATSUAKI FUJIKAWA**

---

(57) Abstract :

It is intended to effectively cool a dummy ring and a rotor disposed on the inner side of the dummy ring of a single-flow turbine and to suppress a decrease in thermal efficiency by preventing main steam from leaking to the dummy ring side. A cooling steam supply pipe 32 is provided in the dummy ring 26 of the single-flow turbine 10A and extraction steam of a boiler at 570°C or below is supplied to a clearance c between the dummy ring 26 and the turbine rotor 12 as cooling steam S4. The cooling steam S4 has lower temperature and higher pressure than leak steam S2 which is a portion of the main steam S1 leaking to the dummy ring 26 side. By supplying the cooling steam S4, the leak steam S2 is prevented from entering the dummy ring 26 side and the dummy ring 26, a welding part w and a second rotor part 12b with low heat resistance that are disposed on the inner side of the dummy ring 26 can be cooled.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9697/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR USE IN MEDICAL AND VETERINARY OPHTHALMOLOGY

(51) International classification	:A61K 31/122	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)LIMITED LIABILITY COMPANY MITOTECH</b>
(32) Priority Date	:NA	Address of Applicant :1-77-21 LENINSKIE GORY, MOSCOW 119992, RUSSIA
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/RU2009/000295	<b>1)SKULACHEV, MAXIM VLADIMIROVICH</b>
Filing Date	:10/06/2009	
(87) International Publication No	:WO 2010/143990	
(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 pharmaceutics, medicine, in particular to manufacturing and use of pharmaceutical compositions of medicines (ophthalmic preparations) comprising mitochondria-addressed antioxidant and a set of auxiliary substances providing effective treatment for ophtalmological diseases in humans and animals.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9661/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHODS FOR THE TREATMENT OF ONCOLOGICAL DISORDERS USING EPIMETABOLIC SHIFTERS, MULTIDIMENSIONAL INTRACELLULAR MOLECULES, OR ENVIRONMENTAL INFLUENCERS

(51) International classification	:A61K 31/122
(31) Priority Document No	:61/177,241
(32) Priority Date	:11/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034376
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/132440
(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)BERG BIOSYSTEMS LLC**

Address of Applicant :1845 ELM HILL PIKE, NASHVILLE, TN 37210, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)NARAIN NIVEN RAJIN**

**2)MCCOOK JOHN PATRICK**

**3)SARANGARAJAN RANGAPRASAD**

---

(57) Abstract :

Methods and formulations for treating oncological disorders in humans using epimetabolic shifters, multidimensional intracellular molecules or environmental influencers are described.

No. of Pages : 319 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/12/2011

(21) Application No.9668/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METAL ENCAPSULATION FOR SWITCH GEAR AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:H02B 13/045
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2009/004100 :08/06/2009
(87) International Publication No	:WO 2010/142302
(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)ABB TECHNOLOGY AG**

Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050  
ZURICH, SWITZERLAND.

(72)**Name of Inventor :**

**1)NORBERT WUILLEMET**

**2)ALBERT WALDHOFF**

(57) Abstract :

The present invention relates to a metal encapsulation for switch gear, and method for manufacturing the same, according to the preamble of claims 1 and 6. In order to make the manufacturing easier, it is disclosed, that the metal blanks have the shape of a defolded box, in which perforations are implemented along predetermined folding lines, and that the metal blanks are folded to a 3-dimensional encapsulation. See figure 1

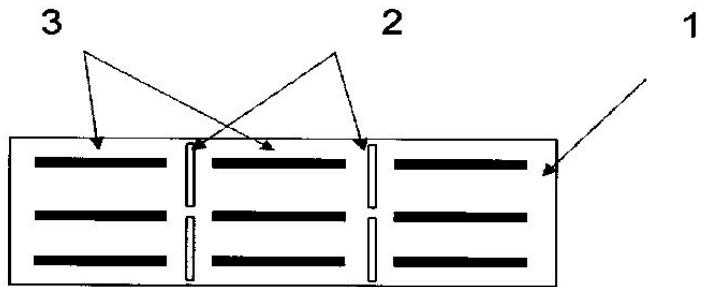


Figure 1

No. of Pages : 15 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9736/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FUCOSYLATION-DEFICIENT CELLS

(51) International classification	:C12N 15/53
(31) Priority Document No	:61/183,400
(32) Priority Date	:02/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036914
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/141478
(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)REGENERON PHARMACEUTICALS, INC.**

Address of Applicant :777 OLD SAW MILL RIVER ROAD,  
TARRYTOWN, NY 10591, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)GANG CHEN**

**2)DARYA BURAKOV**

**3)JAMES P. FANDL**

(57) Abstract :

An isolated nucleic acid encoding an FX protein having a serine at position 79, a lysine at position 90, a leucine at position 136, an arginine at position 211, a serine at position 289, and a combination thereof is provided. Cells having a gene encoding a modified FX protein are provided, wherein the cells exhibit a reduced ability to fucosylate a glycoprotein at a first temperature, but exhibit the ability to fucosylate the glycoprotein at a second temperature. Methods and compositions for making glycoproteins with reduced fucosylation are provided.

No. of Pages : 61 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9737/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LIQUID PHOSPHITE COMPOSITIONS HAVING DIFFERENT ALKYL GROUPS

---

(51) International classification	:C07F 9/145
(31) Priority Document No	:61/230,652
(32) Priority Date	:31/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043309
Filing Date	:27/07/2010
(87) International Publication No	:WO 2011/014477
(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)CHEMTURA CORPORATION**

Address of Applicant :199 BENSON ROAD MIDDLEBURY,  
CT. 06749 U.S.A.

(72)**Name of Inventor :**

**1)MICHAEL E. GELBIN**

**2)JONATHAN S. HILL**

**3)MAURICE POWER**

(57) Abstract :

A composition comprising a mixture of at least two different alkylaryl phosphites, wherein some alkyl groups have a different number of carbon atoms than other alkyl groups and wherein the mixture is a liquid at ambient conditions.

No. of Pages : 50 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9738/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STEAM GENERATOR UPPER BUNDLE INSPECTION TOOLS

(51) International classification	:G21C 17/013
(31) Priority Document No	:61/181,560
(32) Priority Date	:27/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036489
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/138774
(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)R.BROOKSASSOCIATES, INC**

Address of Applicant :6546 POUND ROAD, WILLIAMSON,  
NEW YORK 14589, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)URIAH C. DEAN**

**2)MATTHEW R. JEWETT**

**3)STEVE MOSHANO**

**4)BRADLEY DELACROIX**

(57) Abstract :

An inspection system configured to inspect the secondary side of a steam generator, comprising: a first, telescoping boom; a second, telescoping boom having a proximal end pivotally attached to the first boom to permit upward rotation of the second, telescoping boom relative to the first, telescoping boom by an angle of about 90 degrees, and the second, telescoping boom comprising a distal end bearing a delivery capsule, the delivery capsule defining a storage bay; a first robotic inspection vehicle dimensioned to fit in the delivery capsule storage bay, the first robotic inspection vehicle defining a storage bay and comprising at least one inspection camera and at least one lighting system, the first robotic inspection vehicle further comprising cabling connecting the first robotic inspection vehicle to the delivery capsule; and a second robotic inspection vehicle dimensioned to fit in the first robotic inspection vehicle storage bay, the second robotic inspection vehicle comprising a drive system, at least one inspection camera and at least one lighting system and further comprising cabling connecting the second robotic inspection vehicle to the first robotic inspection vehicle.

No. of Pages : 45 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9741/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TIRE

(51) International classification	:B60C 11/00
(31) Priority Document No	:2009-124615
(32) Priority Date	:22/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/006324
Filing Date	:24/11/2009
(87) International Publication No	:WO 2010/134144
(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)BRIDGESTONE CORPORATION**

Address of Applicant :10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO 104-8340 JAPAN

(72)Name of Inventor :

**1)YUKIHIRO KIWAKI**

(57) Abstract :

A pneumatic tire (10) is provided with air chambers which have recessed portions (221), and also with constriction grooves which communicate with the air chambers and a circumferential groove (21), and the air chambers and the constriction grooves are formed in a rib-shaped land portion of the tire. The depth (DPI) of a recessed portion (221) measured from a land portion (211) making contact with the road surface is deeper at one end of the air chamber in the tire circumference direction than the other end of the air chamber. The height of the recessed portion (221) from the bottom surface (222) thereof to the ground contact surface varies in the circumferential direction of the tire. The volume of the space formed by a constriction groove and the road surface is less than the volume of the space of the air chamber formed by the recessed portion (221) and the road surface. The air chamber has a tapered shape in which the width of the air chamber in the tread width direction is reduced from the other end of the air chamber toward said end of the air chamber.

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9678/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : IMAGE DISPLAY DEVICE, IMAGE DISPLAY METHOD, AND PROGRAM

(51) International classification	:G09G 5/00
(31) Priority Document No	:2009-143726
(32) Priority Date	:16/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059250
Filing Date	:01/06/2010
(87) International Publication No	:WO 2010/146987
(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)SONY CORPORATION

Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO, 108-0075, JAPAN

(72)Name of Inventor :

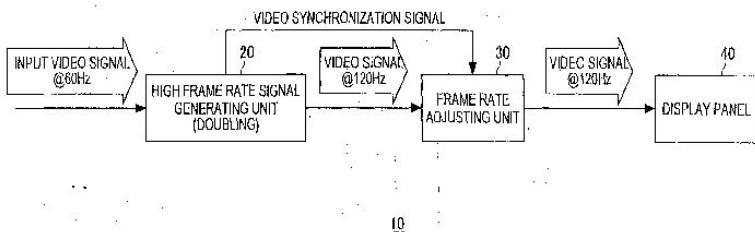
1)HIDETO MORI

2)YASUO INOUE

(57) Abstract :

Provided is an image display device including a high frame rate signal generating unit (20) that increases a frame rate of an input video signal, a frame rate adjusting unit (30) that adjusts a frame rate by setting a non-emission frame at a predetermined cycle on a high frame rate video signal output from the high frame rate signal generating unit (20), and a display panel (40) that displays a video based on a video signal output from the frame rate adjusting unit (30). Representative Drawing Fig. 1

FIG.1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9680/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SHEET FOR SOLAR CELL ENCAPSULANT AND SOLAR CELL MODULE

---

(51) International classification	:H01L 31/042
(31) Priority Document No	:2009-116857
(32) Priority Date	:13/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058126
Filing Date	:13/05/2010
(87) International Publication No	:WO 20101/131716
(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)DU PONT-MITSUI POLYCHEMICALS CO., LTD.**

Address of Applicant :5-2, HIGASHI-SHIMBASHI 1-CHOME, MINATO-KU, TOKYO 105-7117, JAPAN

(72)Name of Inventor :

**1)MASANOBU SATO**

**2)KAZUYUKI OOGI**

---

(57) Abstract :

A sheet for solar cell encapsulant including (A) an ethylene copolymer selected from 1a to 5a; and (B) an ethylene copolymer selected from 1b to 3b, the copolymer (A) having a melting point of 90°C or higher and containing constituent unit derived from ethylene [1a: ethylene-vinyl acetate (VA) copolymer, 2a: ethylene-acrylate copolymer, 3 a: high-pressure method low-density polyethylene, 4a: ethylene-cc-olefin copolymer, 5a: ethylene-G(M)A copolymer other than the below-described 1b, 1b: ethylene-G(M)A copolymer, 2b: ethylene-VA-G(M)A copolymer, 3b: ethylene-acrylate-G(M)A copolymer]. In the ethylene copolymer (B), the total ratio of the constituent unit derived from glycidyl(meth)acrylate (G(M)A) is preferably from 2% to 30% by mass. As a result of this, crosslinking treatment is substantially unnecessary, and practical adhesion and adhesion stability are achieved without heat treatment for crosslinking.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9682/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD AND APPARATUS FOR MAKING FOOD PRODUCTS

---

(51) International classification	:B01F 7/16
(31) Priority Document No	:12/460,273
(32) Priority Date	:17/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001565
Filing Date	:28/05/2010
(87) International Publication No	:WO 2011/008234
(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)VITA-MIX CORPORATION**

Address of Applicant :8615 USHER ROAD, CLEVELAND,  
OHIO 44138, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)EUGENE J. KOZLOWSKI**

**2)GLENN F. BRASDOVICH**

**3)KENNETH W. BAIR**

(57) Abstract :

A machine (10) for mixing a food product in a container includes a container holder (38) having an axis and adapted to receive a container. An agitator (30) is rotated by a motor (22) on an axis and is positioned above the container holder (38). A motor (47) moves the container holder (38) upwardly to selectively position the agitator (30) in the container with the axis of rotation of the agitator (30) being displaced from the axis of the container holder (38). A motor (45) can rotate the container holder (38) on its axis while the agitator (30) is in the container.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9683/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

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

---

(51) International classification	:C08L 75/04
(31) Priority Document No	:09162223.3
(32) Priority Date	:09/06/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/056312
Filing Date	:10/05/2010
(87) International Publication No	:WO 2010/142502
(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)HUNTSMAN INTERNATIONAL LLC

Address of Applicant :500 HUNTSMAN WAY, SALT LAKE CITY, UTAH 84108, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)GERHARD JOZEF BLEYS

2)HANS GODELIEVE GUIDO VERBEKE

(57) Abstract :

The present invention is concerned with a material 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 polymeric material which 1) has no groups which are able to form a urethane, urea or isocyanurate group with an isocyanurate group, 2) exhibits a phase change as measured by differential scanning calorimetry (DSC) in the temperature range 10 °C to +60 °C with an enthalpy ΔHm of at least 87 kJ/kg, 3) is interpenetrating said matrix A, and 4) has an average molecular weight of more than 700 and comprises at least 50 % by weight of oxyalkylene groups, based on the weight of this material, wherein at least 85 % of the oxyalkylene groups are oxyethylene groups (hereinafter called polymeric material B); and wherein the relative amount of said matrix A and of said polymeric material B, on a weight basis, ranges from 15:85 to 75:25. Process for preparing such material.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9705/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ALBUMIN-AMYLOID PEPTIDE CONJUGATES AND USES THEREOF

---

(51) International classification	:A61K 47/48
(31) Priority Document No	:09382078.5
(32) Priority Date	:26/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/057235
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/136487
(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)ARACLON BIOTECH S.L.**

Address of Applicant :Pº INDEPENDENCIA, 30-2º A, E-50004 ZARAGOZA (ES) Spain

(72)Name of Inventor :

**1)SARASA BARRIO, J., MANUEL**

(57) Abstract :

The invention provides conjugates comprising albumin and a peptide derived from the C-terminal region of amyloid beta peptide, as well as uses thereof for the treatment of diseases characterized by the deposition of amyloid proteins and, in particular, for the treatment of Alzheimer's disease

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9706/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DIGGING POINT ASSEMBLY

(51) International classification	:E02F 9/28
(31) Priority Document No	:2009902090
(32) Priority Date	:12/05/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000542
Filing Date	:12/05/2010
(87) International Publication No	:WO 2010/129989
(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)YEOMANS, ALLAN, JAMES**

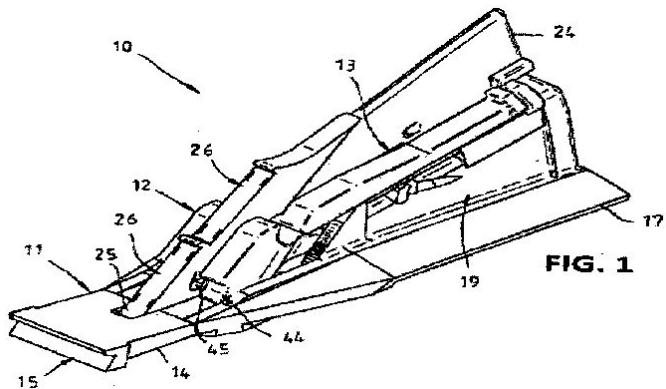
Address of Applicant :60 SUNRISE BOULEVARD,  
SURFERS PARADISE, GOLD COAST, QUEENSLAND 4217  
Australia

(72)Name of Inventor :

**1)YEOMANS, ALLAN, JAMES**

(57) Abstract :

A digging point assembly (10) for use in earthworking which comprises a main body (11) which includes a socket member (19) defining a hollow socket for engagement with a leading tip of a tyne and first and second replaceable wear parts (12,13) which are mounted to the main body (11) to protect the leading end and top of the socket member (19) which are normally exposed to wear in movement through soil, the first wear part (12) being maintained in an operative position at the leading end of the socket by the tyne and cooperating with the second wear part (13) to maintain the second wear part (13) in operative position protecting the top of the socket member (19). The digging point assembly (10) may also include a third replaceable wear part at the leading end of the body (11) which is held in position by cooperation with the first replaceable wear part (12). Fig.: 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9709/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : WIND TURBINE MAIN BEARING

(51) International classification	:F03D 11/00
(31) Priority Document No	:61/224,525
(32) Priority Date	:10/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2009/062483
Filing Date	:28/09/2009
(87) International Publication No	:WO 2011/003482
(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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant :WITTELSBACHERPLATZ 2 80333,  
MUNCHEN, GERMANY

(72)Name of Inventor :

1)GUERENBOURG, PIERRE-ANTOINE

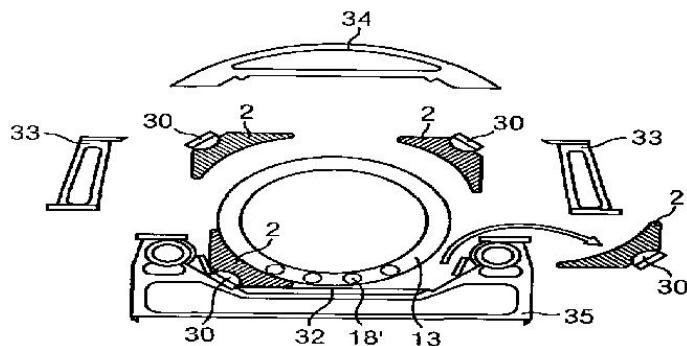
2)NEW, NIGEL

3)STEGE, JASON

4)THOMSEN, KIM

(57) Abstract :

The invention describes a wind turbine main bearing (1) realized to bear a shaft (13) of a wind turbine (10), which shaft is caused to rotate by a number of blades (11) connected to the shaft (13), characterized in that the wind turbine main bearing (1) comprises a fluid bearing (1) with a plurality of bearing pads (2) arranged about the shaft (13). The invention also describes a wind turbine (10) comprising a number of blades (11) connected to a shaft (13) and realized to rotate the shaft (13), which wind turbine (10) comprises as main bearing (1) a wind turbine main bearing (1). The invention further describes a method of performing maintenance on a wind turbine (10) according to any of claims 12 to 14, comprising the steps of halting a rotation of the shaft (13), operating a lifting arrangement (22) to raise the shaft (13), and removing a bearing pad (2) of the wind turbine main bearing (1) from the bearing housing (3) of the wind turbine main bearing (1). Fig: 4



**Fig: 4**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9711/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : TEMPERATURE CONTROL SYSTEM WITH THERMOELECTRIC DEVICE

(51) International classification	:G05D 23/19
(31) Priority Document No	:61/179,314
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035313
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/135363
(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)BSST LLC

Address of Applicant :5462 IRWINDALE AVENUE,  
IRWINDALE, CA 91706, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)GOENKA, LAKHI, N.

(57) Abstract :

Certain disclosed embodiments pertain to controlling temperature in a passenger compartment of a vehicle. For example, a temperature control system (TCS) can include an air channel (18) configured to deliver airflow to the passenger compartment of the vehicle. The TCS can include a one thermal energy source (100) and a heat transfer device (150) connected to the air channel. A first fluid circuit (110) can circulate coolant to the thermal energy source and a thermoelectric device (TED). A second fluid circuit (140) can circulate coolant to the TED (12) and the heat transfer device. A bypass circuit can connect the thermal energy source to the heat transfer device. An actuator can cause coolant to circulate selectively in either the bypass circuit or the first fluid circuit and the second fluid circuit. A control device can operate the actuator when it is determined that the thermal energy source is ready to provide heat to the airflow.

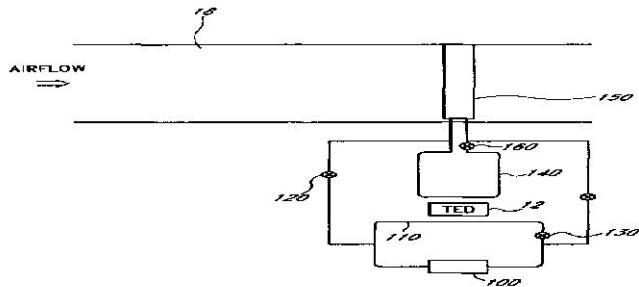


FIG. 1

No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9746/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : FUEL CELL DEVICE AND METHOD OF OPERATING THE SAME

(51) International classification	:H01M 8/04
(31) Priority Document No	:0900781-6
(32) Priority Date	:09/06/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050637
Filing Date	:09/06/2010
(87) International Publication No	:WO 2010/144041
(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)MYFC AB

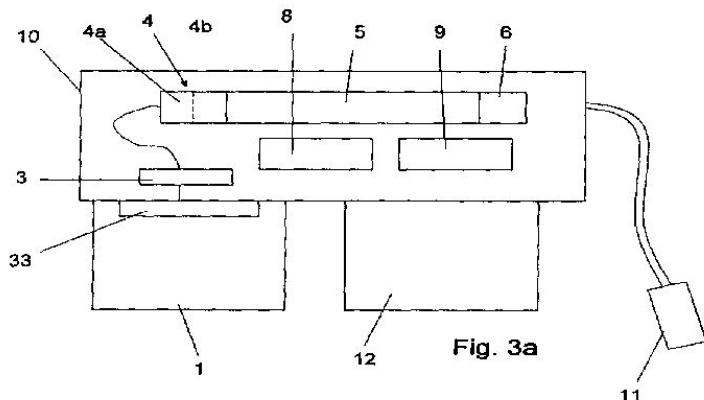
Address of Applicant :SALTMATARGATAN 8A, 113 59,  
STOCKHOLM Sweden

(72)Name of Inventor :

1)LUNDBLAD, ANDERS

(57) Abstract :

Fuel cell device (10) comprising a fuel cell assembly (5) with at least one polymer electrolyte membrane fuel cell and a fuel delivery means for providing a fuel flow. The device is provided with means (4) for pre burning adapted to burn fuel entering the fuel cell assembly during the start up phase until the fuel flow is increased to a predetermined level and/ or the oxygen concentration is decreased to a predetermined level. The method of operating a fuel cell device (10), the fuel cell device comprising a fuel cell assembly (5) with at least one polymer electrolyte membrane fuel cell, a fuel delivery means for providing a fuel flow. The method comprises the steps of initiating the start up phase by causing the fuel delivery means to deliver a fuel flow, whereby a means (4) for pre burning burns off fuel entering the fuel cell assembly, monitoring the fuel flow and /or the oxygen concentration and when the fuel flow is increased to a predetermined level and/ or the oxygen concentration is decreased to a predetermined level, switching from start up phase to power generating phase.



No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9753/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CONTENT MESH SEARCHING

(51) International classification :G06F 21/24  
(31) Priority Document No :12/483,253  
(32) Priority Date :12/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038215  
    Filing Date :10/06/2010  
(87) International Publication No :WO 2010/144733  
(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)MICROSOFT CORPORATION

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITD STATES OF  
AMERICA

(72)Name of Inventor :

1)WALKER, BRIAN, P.  
2)SOLARO, JOHN, A.  
3)PARKIN, ROBERT, EDWARD  
4)DESHPANDE, RAHUL, EDWARD  
5)BOUANNA, CYRIL, S.  
6)KING, BRIAN, M.

(57) Abstract :

Described is a technology by which private content maintained behind a firewall (e.g., in a mesh) may be searched, browsed, and accessed via an index that exists outside of the firewall. Searching of the index may include checking permissions of a user against permissions associated with metadata in the index, e.g., per watch folder into which file content is added. When content is selected, e.g., by clicking on a search result, a request is made. An application polls for such requests, and when detected, pushes a copy of the content through the firewall to the requestor. The search may be performed over more than one index, with aggregated search results returned.

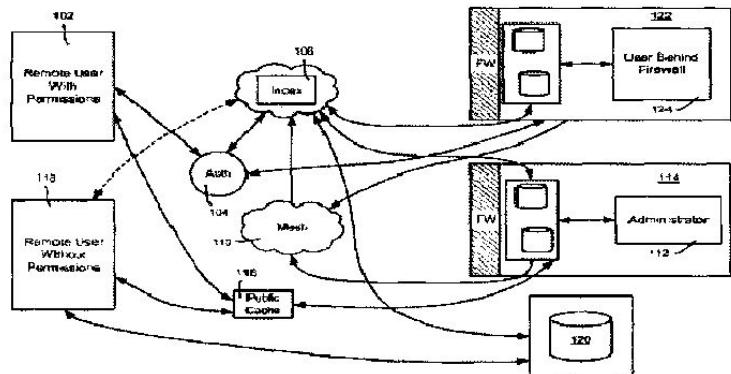


FIG. 1

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9754/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD FOR ASSEMBLING A VEHICLE MOVABLE PANEL

(51) International classification	:B60J 5/10
(31) Priority Document No	:0953190
(32) Priority Date	:14/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050930
Filing Date	:12/05/2010
(87) International Publication No	:WO 2010/130958
(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)COMPAGNIE PLASTIC OMNIUM

Address of Applicant :19, AVENUE JULES CARTERET, F-69007 LYON, FRANCE

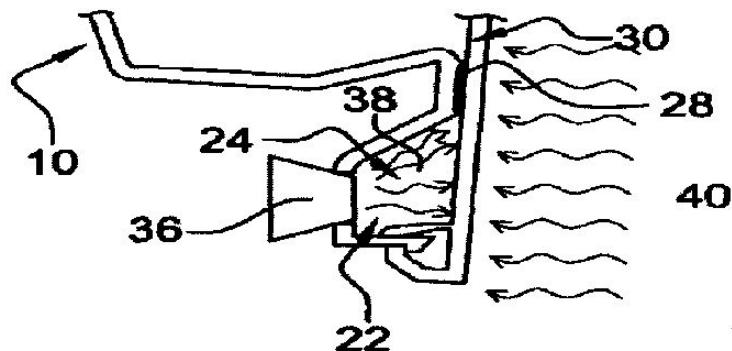
(72)Name of Inventor :

1)RAJON, ALEXIS

2)CHERON, HUGUES

(57) Abstract :

The present invention relates to a method of assembling a vehicle door comprising two panels (10, 30), at least one of the panels (10) including an adhesive track (20), one of the panels (10) also including at least one recess (22) that can extend at least partially along the adhesive track once the two panels are brought into position, and said recess (22) including at least one wall provided with at least one orifice (24) , the method comprising the following steps: placing a bead of adhesive (28) on the adhesive track (20); that the bringing the two panels (10, 30) into position such bead of adhesive (28) is placed between the two panels and such that the recess (22) in one of the panels forms a hollow body with the other panel; and blowing a stream of hot air (38) into the hollow body through the orifice, or at least one of the orifices.



**Fig. 2C**

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9771/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : OXYGEN FIRED STEAM GENERATOR

(51) International classification	:F23C 10/10
(31) Priority Document No	:12/468290
(32) Priority Date	:19/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034439
Filing Date	:11/05/2009
(87) International Publication No	:WO 2010/135109
(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)ALSTOM TECHNOLOGY LTD

Address of Applicant :BROWN BOVERI STRASSE 7, 5400  
BADEN, SWITZERLAND.

(72)Name of Inventor :

1)CHIU JOHN H.

2)MYLCHREEST GEORGE D

(57) Abstract :

In a method for operating a steam generator, a transport reactor is provided. Only a substantially pure oxygen feed stream is introduced into the transport reactor in an amount sufficient to maintain the transport reactor at or above a specific system load. The specific load is the system load when only the substantially pure oxygen feed stream is provided to the transport reactor at a minimum flow velocity for operating the transport reactor. A fuel is combusted in the presence of the substantially pure oxygen feed stream to produce a flue gas, which contains solid material. The solid material is separated from the flue gas and passed to a heat exchanger. The heat exchange may be one of a moving bed heat exchanger or a fluidized bed heat exchanger. The solid material is directed to the transport reactor to contribute to the combustion process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/12/2011

(21) Application No.9684/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DIE TOOLING FOR EXTRUDING TUBULAR PRODUCT

---

(51) International classification	:B29C 47/20
(31) Priority Document No	:2,668,518
(32) Priority Date	:11/06/2009
(33) Name of priority country	:Canada
(86) International Application No	:PCT/CA2010/000885
Filing Date	:10/06/2010
(87) International Publication No	:WO 2010/142034
(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)MANFRED A.A. LUPKE**

Address of Applicant :92 ELGIN STREET, THORNHILL,  
ONTARIO L3T 1W6, CANADA

**2)STEFAN A. LUPKE**

(72)**Name of Inventor :**

**1)MANFRED A.A. LUPKE**

**2)STEFAN A. LUPKE**

(57) Abstract :

Die tooling is formed by forming a series of passages extending in the length of the tooling where each passage has a circumference defined within a body member of the tooling. Preferably the passages are primarily formed using a drilling procedure. The passages define a predetermined pattern of outlets adjacent the extrusion outlet or outlets. The passages between the inlets and outlets can be formed in a series of connected body members with each passage extending through each body member. Die tooling of this design is more robust and cost effective to manufacture.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9788/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SHAPED CATALYST UNITS

(51) International classification	:B01J 8/00
(31) Priority Document No	:0910648.5
(32) Priority Date	:22/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050855
Filing Date	:22/05/2010
(87) International Publication No	:WO 2010/149987
(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)JOHNSON MATTHEY PLC.**

Address of Applicant :5TH FLOOR, 25 FARRINGDON STREET, LONDON EC4A 4AB, UNITED KINGDOM

(72)Name of Inventor :

**1)MARK MCKENNA**

**2)NA**

**3)ALEJANDRO MARTIN ANTONINI**

(57) Abstract :

A catalyst unit suitable for loading into a tube in a reactor is described comprising a plurality of catalyst particles incorporated within a removable solid matrix, said unit in the form of an elongate body in which the particles are packed together such that the volume shrinkage upon removal of the removable matrix is

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9789/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHTHALOCYANINES AND THEIR USE IN INK JET PRINTING

---

(51) International classification	:C09B 47/10
(31) Priority Document No	:0913207.7
(32) Priority Date	:30/07/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050870
Filing Date	:26/05/2010
(87) International Publication No	:WO 2011/012872
(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)FUJIFILM IMAGING COLORANTS LIMITED**

Address of Applicant :PO BOX 42, HEXAGON TOWER,  
MANCHESTER M9 8ZS, UNITED KINGDOM

(72)**Name of Inventor :**

**1)PRAKASH PATEL**

(57) Abstract :

A process for preparing phthalocyanine, azaphthalocyanine, metallo-phthalocyanine or metallo-azaphthalocyanine dyes and salts thereof. Also novel compounds, inks, printing processes, printed materials and ink jet cartridges.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9801/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : METHOD FOR OPERATING A SOLENOID VALVE, PARTICULARLY AN INJECTION VALVE OF A FUEL INJECTION SYSTEM

(51) International classification	:F02D 41/20
(31) Priority Document No	:10 2009 028 048.0
(32) Priority Date	:28/07/2009
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2010/060574 :21/07/2010
(87) International Publication No	:WO 2011/012518
(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)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

- 1)JOOS, KLAUS
- 2)SCHLUETER, RUBEN
- 3)NEUBERG, JENS
- 4)KEMMER, HELESON
- 5)RAPP, HOLGER
- 6)HAMEDOVIC, HARIS
- 7)KOENIG, JOERG
- 8)HOANG, ANH-TUAN
- 9)WICHERT, BERND
- 10)HIRCHENHEIN, ACHIM

(57) Abstract :

Described herein is a method for operating a solenoid valve (10), particularly an injection valve of a fuel injection system. The solenoid valve (10) comprises a valve element having a needle valve (20) and an armature (14) displaceable by an electromagnet (13). An opening movement of the armature (14) is limited by a stroke end stop (18). The method includes determination of an actuation start (38) of the electromagnet (13); determination of a movement end (52) (hitting information) of the valve element at an end of the opening movement; and determination of a lifting delay (32) using the determined the actuation start (38), the determined movement end (52), and a previously determined movement time (56) of the valve element.

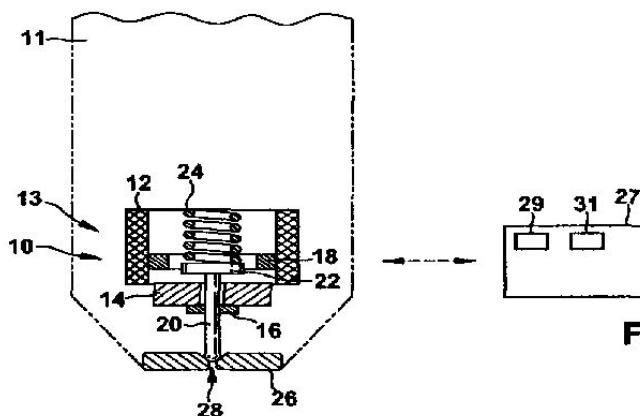


Fig. 1

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9805/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : GUIDE GEOMETRY FOR HALF-AXIAL FAN WHEELS

(51) International classification	:F04D 25/06
(31) Priority Document No	:102009028130.4
(32) Priority Date	:30/07/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/057623
Filing Date	:01/06/2010
(87) International Publication No	:WO 2011/012351
(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)ROBERT BOSCH GMBH

Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART, GERMANY

(72)Name of Inventor :

1)SCHIEL, ANDREAS

2)LUDWIG, MATTHIAS

(57) Abstract :

Described herein is a fan (130) with a fan wheel (150). The fan (130) comprises suction blades (210) having a leading edge (220) facing an axial inlet direction of the fan wheel (150), exhaust blades (230) having an exhaust edge (240) facing a radial outlet direction of the fan wheel (150), and a deflecting element (270) to deflect air from an active area of the suction blades (210) to an active area of the exhaust blades (230). In an embodiment, the deflecting element (270) is connected positively or non-positively to at least one exhaust blade (230).

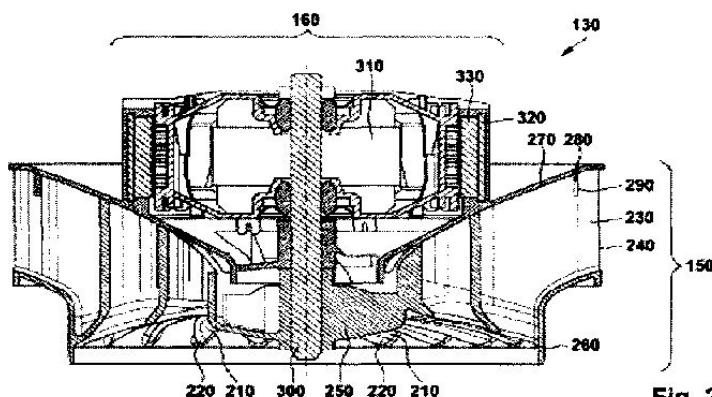


Fig. 2

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9810/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : WORKING VEHICLE CONTROL APPARATUS

---

(51) International classification	:F02D 29/02
(31) Priority Document No	:2009-146198
(32) Priority Date	:19/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/060299
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/147183
(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)HITACHI CONSTRUCTION MACHINERY CO. LTD.**

Address of Applicant :5-1, KOURAKU 2-CHOME,  
BUNKYOU-KU, TOKYO 1120004 Japan

(72)**Name of Inventor :**

**1)HYODO, KOJI**

**2)NAKAZONO, HIROKI**

**3)OOUCHI, HIROFUMI**

**4)SHIMAZU, ATSUSHI**

---

(57) Abstract :

A working vehicle control apparatus includes: a selection device that selects one of a power mode and an economy mode; a determination device that determines whether or not a speed restriction condition in which a speed ratio detected by the speed ratio detection device is equal to or less than a predetermined value and a load pressure detected by the load pressure detection device is equal to or greater than a predetermined value has been established; an engine rotational speed restriction device that restricts a maximum rotational speed of the motor upon selection of the economy mode to a lower speed side than a maximum rotational speed of the motor upon selection of the power mode when it is determined by the determination that the speed restriction condition has been established; and a vehicle speed restriction device that restricts a maximum vehicle speed upon selection of the economy mode to a lower speed side than a maximum vehicle speed upon selection of the power mode when it is determined by the determination device that a speed restriction condition has not been established.

No. of Pages : 32 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9775/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CO-ROTATING STACKED ROTOR DISKS FOR IMPROVED HOVER PERFORMANCE

(51) International classification	:B64C 27/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/044963
Filing Date	:22/05/2009
(87) International Publication No	:WO 2010/134924
(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)BELL HELICOPTER TEXTRON INC.

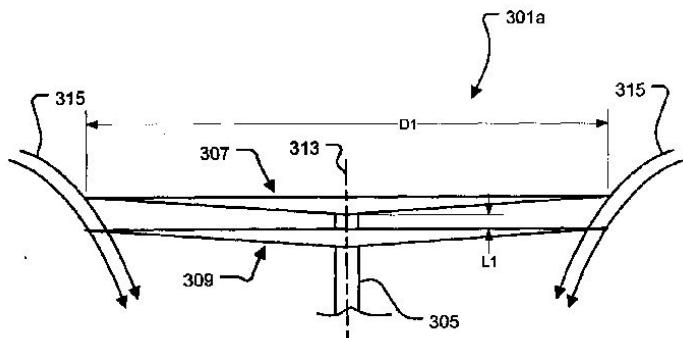
Address of Applicant :P.O. BOX 482, FORT WORTH, TX  
76101, U.S.A.

(72)Name of Inventor :

1)BRUNKEN, JOHN, E., JR.

(57) Abstract :

The system of the present application represents a rotor hub for a rotorcraft and a rotorcraft incorporating the rotor hub. The rotor hub is represented as having multiple rotor disk assemblies, each rotor disk assembly rotating in the same direction about the same mast axis of rotation. In the preferred embodiment, each rotor disk assembly has three rotor blades. The upper rotor disc assembly and the lower rotor disk assembly are separated by approximately 2.5% of the rotor disk diameter, at least to take advantage of wake contraction.



**FIG. 4**

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9776/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ROTOR BLADE SPACING FOR VIBRATION ATTENUATION

(51) International classification	:B64C 27/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2009/044955
Filing Date	:22/05/2009
(87) International Publication No	:WO 2010/134923
(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)BELL HELICOPTER TEXTRON INC.

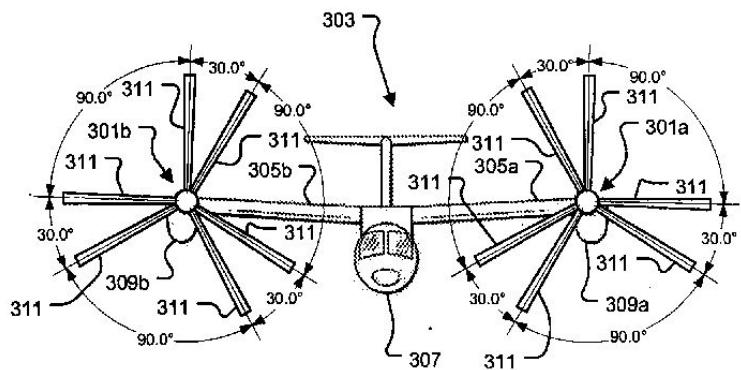
Address of Applicant :P.O.BOX 482, FORT WORTH, TX 76101, U.S.A.

(72)Name of Inventor :

1)BRUNKEN, JOHN, E.

(57) Abstract :

A rotor system for a rotorcraft, the rotor system is a rotor hub having six rotor blades attached to a rotor mast via a rotor yoke assembly. Each rotor blade is angularly spaced in 30° and 90° alternating angular increment about a mast axis of rotation. Such rotor blades spacing reduces the vibration that is translated into the rotorcraft through the rotor mast.



**FIG. 3**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9778/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DEVICE FOR RECOVERING HEAT FROM, WASTEWATER, THERMAL SYSTEM INCLUDING SUCH A DEVICE AND METHOD.

(51) International classification	:F24D 11/02
(31) Priority Document No	:0953454
(32) Priority Date	:26/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050467
Filing Date	:16/03/2010
(87) International Publication No	:WO 2010/136681
(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)ALIAN MOURE

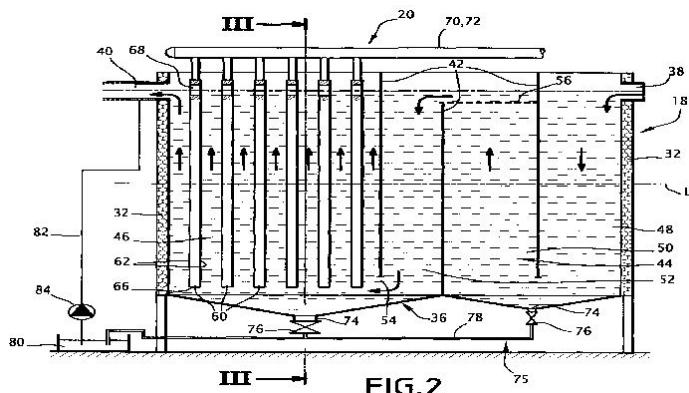
Address of Applicant :54 BD ARISTIDE BRIAND  
ESCALIER, D 77000 MELUN, FRANCE

(72)Name of Inventor :

1)ALIAN MOURE

(57) Abstract :

This heat recovery device (6) is of the type comprising a vat (18) for holding wastewater and a heat exchanger (20) comprising at least one heat exchange plate (60) comprising two opposite faces (62) and an inner pipe (64) for circulation of a heat transfer fluid between the two surfaces (62). According to one aspect of the invention, the or each plate (60) is arranged in a heat exchange compartment (46) of the vat (18) so that the wastewater circulates substantially vertically from bottom upwards along the two opposite faces (62) of the or each plate (60) between an inlet (54) of the heat exchange compartment (46) located in the lower portion and an outlet (40) of the heat exchange compartment (46) located in the upper portion. Application to thermal systems with heat pump.



No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9779/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTROMAGNETIC STEEL SHEET HAVING INSULATING COATING AND METHOD OF MANUFACTURING THE SAME

(51) International classification	:C23C 22/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-144759	<b>1)NIPPON STEEL CORPORATION</b>
(32) Priority Date	:17/06/2009	Address of Applicant :6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/003924	<b>1)KAZUTOSHI TAKEDA</b>
Filing Date	:14/06/2010	<b>2)KENJI KOSUGE</b>
(87) International Publication No	:WO 2010/146821	<b>3)TATSUYA TAKASE</b>
(61) Patent of Addition to Application Number	:NA	<b>4)HIROYASU FUJII</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an electromagnetic steel sheet having an insulating coating on a surface of the electromagnetic steel sheet, the insulating coating including: a binder solution solid content containing metal phosphate; and a silica or silicate filler having an average particle diameter in a range of 2.0  $\mu\text{m}$  to 15.0  $\mu\text{m}$  and an average specific surface area in a range of 1.0 m<sup>2</sup>/g to 40.0 m<sup>2</sup>/g, a content of the silica or silicate filler being 1 to 40 parts by mass relative to 100 parts by mass of the binder solution solid content.

No. of Pages : 35 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9829/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : WIND TURBINE GENERATOR, CONTROL METHOD FOR WIND TURBINE GENERATOR, WIND TURBINE GENERATOR SYSTEM, AND CONTROL METHOD FOR WIND TURBINE GENERATOR SYSTEM

(51) International classification	:F03D 7/04
(31) Priority Document No	:2009-183532
(32) Priority Date	:06/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058619
Filing Date	:21/05/2010
(87) International Publication No	:WO 2011/016278
(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)MITSUBISHI HEAVY INDUSTRIES, LTD.**

Address of Applicant :16-5, KONAN 2-CHOME, MINATO-KU, TOKYO 108-8215, JAPAN

(72)**Name of Inventor :**

**1)ARINAGA, SHINJI**

**2)WAKASA, TSUYOSHI**

**3)MATSUSHITA, TAKATOSHI**

---

(57) Abstract :

It is an object to stabilize a utility grid even when an unexpected fluctuation in the frequency of the utility grid occurs. A wind turbine generator (1) includes a rotor (7) that rotates by wind power, a generator (5) that is driven by rotation of the rotor (7), and a control device (20) that controls a power output of the generator (5) to increase while a rotational speed of the generator (5) decreases when a frequency of a utility grid (13) becomes smaller than or equal to a predetermined rated frequency and when the rotational speed of the generator (5) is greater than or equal to a first predetermined value. In this way, even when the frequency of the utility grid (13) fluctuates, the frequency fluctuation can be suppressed, and the utility grid (13) can be stabilized.

No. of Pages : 60 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/12/2011

(21) Application No.9767/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DIES FOR FORMING EXTRUSIONS WITH THICK AND THIN WALLS

(51) International classification	:B29D 23/00
(31) Priority Document No	:12/483,574
(32) Priority Date	:12/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038262
Filing Date	:11/06/2010
(87) International Publication No	:WO 2010/144769
(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)CORNING INCORPORATED**

Address of Applicant :1 RIVERFRONT PLAZA, CORNING, NEW YORK 14831, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)STEPHEN CHARLES CURRIE**

**2)MIRCEA DESPA**

**3)PAUL MARTIN ELLIOTT**

**4)RICHARD CURWOOD PETERSON**

---

(57) Abstract :

A die for forming an extrusion includes a die body, a body feed section and an extrusion forming section. The die body may include an inlet and an outlet defining an extrudate flow path through the die body. The body feed section may be positioned between the inlet and outlet and includes an arrangement of body feed channels. The extrusion forming section may be positioned between the body feed section and the outlet and includes a thin-wall forming portion fluidly coupled to at least one thick-wall forming portion. The thin-wall forming portion may include an array of pins extending from the body feed section towards the outlet and the thick-wall forming portion may include at least one baffle section positioned in the extrudate flow path through the thick-wall forming portion. The area of the thick-wall forming portion may be greater than an interstitial area between the pins.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9855/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : INTERNALLY ELECTRIC HEATING BARBECUE

(51) International classification	:A47J 37/04
(31) Priority Document No	:200910055385.0
(32) Priority Date	:24/07/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/070544
Filing Date	:05/02/2010
(87) International Publication No	:WO 2011/009301
(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)LI LIN

Address of Applicant :12E, NO. 1, HUAYUAN BUILDING  
3500 KAIXUAN ROAD, XU HUI DISTRICT SHANGHAI  
200030 CHINA

(72)Name of Inventor :

1)LI, LIN

(57) Abstract :

An internally electric heated barbecue comprising a cabinet with at least one upper opening is provided in the present invention. The said cabinet has electric heating units on both sides inside it: the opening has rack supporting part to support the barbecue rack, and the opening is 30mm-200mm wide; the barbecue rack consists of a barbecue frame and a support rod holder, said barbecue frame is within the opening, and the support rod holder is on the supporting part: said barbecue rack is equipped with food skewers, and the food skewer comprises a handle, a support locating part and a food fixing part. The internally electric heated barbecue provided in the present invention is characterized in that the operation is simple, safe and cleanliness, and that it can effectively control the barbecue quality.

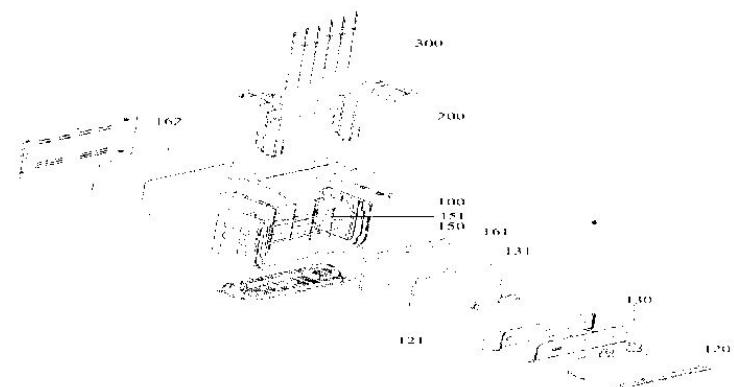


Fig. 3

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9856/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR DETERMINING TREATMENTS USING PATIENT-SPECIFIC LUNG MODELS AND COMPUTER METHODS

(51) International classification	:A61M 16/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:09161455.2	<b>1)FLUIDDA RESPI</b>
(32) Priority Date	:29/05/2009	Address of Applicant :GROENINGENLEI 132 KONTICH B-2550 BELGIUM
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2010/057328	<b>1)DE BACKER, JAN</b>
Filing Date	:27/05/2010	
(87) International Publication No	:WO 2010/136528	
(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 concerns a method for determining optimised parameters for mechanical ventilation, MV, of a subject, comprising: a) obtaining data concerning a three-dimensional image of the subject's respiratory system; b) calculating a specific three-dimensional structural model of the subject's lung structure from the image data obtained in step a); c) calculating a specific three-dimensional structural model of the subject's airway structure from the image data obtained in step a); d) calculating a patient-specific three-dimensional structural model of the subject's lobar structure from the lung model obtained in step b); e) modeling by a computer, the air flow through the airway, using the models of the airway and lobar structure of the subject obtained in steps c) and d) at defined MV parameters; f) modeling by a computer, the structural behavior of the airway and the interaction with the flow, using the models of the airway and lobar structure of the subject obtained in steps b) and c) at defined MV parameters; g) determining the MV parameters which lead to a decrease in airway resistance and hence an increase in lobar mass flow for the same driving pressures according to the model of step d), thereby obtaining optimized MV parameters. It also relates to a method for assessing the efficacy of a treatment for a respiratory condition.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9857/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SINGLE OPERATOR DEVICE FOR DELIVERING AN OCULAR IMPLANT

---

(51) International classification	:A61B 18/18
(31) Priority Document No	:61/224,156
(32) Priority Date	:09/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/041544
Filing Date	:09/07/2010
(87) International Publication No	:WO 2011/006078
(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)IVANTIS, INC.

Address of Applicant :13766 ALTON PARKWAY, SUITE 150, IRVINE, CA 92618 (US), U.S.A.

(72)Name of Inventor :

1)WARDLE, JOHN

2)SCHIEBER, ANDREW T.

---

(57) Abstract :

An ocular implant delivery system is provided with a number of features. In some embodiments, the delivery system comprises a rotation mechanism configured to rotate and orient a cannula of the system, and an advancement mechanism configured to advance and retract an ocular implant through the delivery system and into an eye of a patient. In some embodiments, the cannula is sized and configured to be inserted into Schlemm's canal of the eye. The ocular implant is configured to maintain its orientation within the delivery system as the cannula is rotated. In some embodiments, the ocular implant automatically disengages the delivery system when it is advanced beyond a distal tip of the delivery system. Methods of implanting an ocular implant are also provided.

No. of Pages : 30 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9817/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STABLE NANOPARTICULATE DRUG SUSPENSION

(51) International classification	:A61K 9/00
(31) Priority Document No	:61/218,281
(32) Priority Date	:18/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038526
Filing Date	:14/06/2010
(87) International Publication No	:WO 2010/147899
(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)ABBOTT LABORATORIES**

Address of Applicant :100 ABBOTT PARK ROAD,  
ABBOTT PARK, ILLINOIS 60064, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)GOKHALE RAJEEV**

**2)MARSH KENNAN C.**

**3)SHI YI**

---

(57) Abstract :

A liquid pharmaceutical composition comprises an aqueous medium having suspended therein a solid particulate Bcl-2 family protein inhibitory compound such as ABT-263, having a D90 particle size not greater than about 3 µm; wherein the aqueous medium further comprises at least one pharmaceutically acceptable surfactant and at least one pharmaceutically acceptable basifying agent such as sodium bicarbonate in amounts that are effective together to inhibit particle size increase. The composition is suitable for oral or parenteral administration to a subject in need thereof for treatment of a disease characterized by overexpression of one or more anti-apoptotic Bcl-2 family proteins, for example cancer.

No. of Pages : 53 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2011

(21) Application No.9818/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR DATA LOGGING AND ANALYSIS

---

(51) International classification	:G06F 7/00
(31) Priority Document No	:12/510,161
(32) Priority Date	:27/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043067
Filing Date	:23/07/2010
(87) International Publication No	:WO 2011/014429
(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)VERISIGN INC.**

Address of Applicant :21355 RIDGETOP CIRCLE, DULLES, VIRGINIA 20166, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SMITH CHRISTOPHER A.**

**2)BENTKOFSKY MICHAEL A.**

**3)KOTHAPALLI MALINI**

(57) Abstract :

A method of logging internet requests includes defining a plurality of field types of interest and receiving a request from the internet including one or more fields. The method also includes determining a first field type of a first field of the one or more fields matches one of the plurality of field types of interest and caching at least a portion of the first field in a cache. The method further includes determining a second field type of a second field of the one or more fields matches one of the plurality of field types of interest, caching at least a portion of the second field in the cache. The method includes transmitting the cache to a server, determining a number of occurrences of a field value, and providing a report including the number of occurrences of the field value.

No. of Pages : 41 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9861/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : REFILL CONTAINER

(51) International classification	:B65D 33/38
(31) Priority Document No	:2009-146137
(32) Priority Date	:19/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/060373
Filing Date	:18/06/2010
(87) International Publication No	:WO 2010/147212
(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)TOPPAN PRINTING CO., LTD.

Address of Applicant :5-1, TAITO 1-CHOME, TAITO-KU,  
TOKYO 110-0016, JAPAN

(72)Name of Inventor :

1)NISHINA, MASAYUKI

2)OTSUKA, HIROYUKI

(57) Abstract :

A refill container (1) is the refill container (1) constituted of a laminated body (10) having at least a base material (11) and a sealant layer (12), comprising a bent portion (6) formed by bending the one laminated body (10) at a top portion with the sealant layer (12) provided on the inner side, and a main body front surface laminated body (2) and a main body back surface laminated body (3) each of which is formed of the bent laminated body (10), wherein the sealant layers (12) of the main body front surface laminated body (2) and the main body back surface laminated body (3) are arranged to face each other, the peripheries of these laminated bodies are sealed, a spout seal portion (24) is provided below the bent portion (6), and the bent portion (6) and the spout seal portion (24) form an outflow path (33) for contents that reaches a spout (31) .

No. of Pages : 116 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9865/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTRODEPOSITED NANOLAMINATE COATINGS AND CLADDINGS FOR CORROSION PROTECTION

(51) International classification	:C25D 5/10	(71) <b>Name of Applicant :</b> <b>1)MODUMETAL LLC</b> Address of Applicant :1443 N. NORTHLAKE WAY, SEATTLE, WA 98103, UNITED STATES OF AMERICA
(31) Priority Document No	:61/185,020	
(32) Priority Date	:08/06/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2010/037856 :08/06/2010	(72) <b>Name of Inventor :</b> <b>1)LOMASNEY CHRISTINA</b>
(87) International Publication No	:WO 2010/144509	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Described herein are electrodeposited corrosion-resistant multilayer coating and claddings that comprises multiple nanoscale layers that periodically vary in electrodeposited species or electrodeposited microstructures. The coatings may comprise electrodeposited metals, ceramics, polymers or combinations thereof. Also described herein are methods for preparation of the coatings and claddings.

No. of Pages : 32 No. of Claims : 112

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9875/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY

---

(51) International classification

:H01M 4/48

(31) Priority Document No

:10-2009-0054106

(32) Priority Date

:17/06/2009

(33) Name of priority country

:Republic of Korea

(86) International Application No

:PCT/KR2010/003883

Filing Date

:16/06/2010

(87) International Publication No

:WO 2010/147389

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(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)SUNG KYUN CHANG**

**2)HONG-KYU PARK**

**3)SINYOUNG PARK**

**4)HYO-SHIK KIL**

**5)HERA LEE**

---

(57) Abstract :

Provided is a lithium transition metal oxide having an  $\alpha$ -NaFeO<sub>2</sub> layered crystal structure, as a cathode active material for lithium secondary battery, wherein the transition metal includes a blend of Ni and Mn, an average oxidation number of the transition metals except lithium is +3 or higher, and the lithium transition metal oxide satisfies Equations 1 and 2 below: 1.0

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9832/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BLUE/VIOLET DIPHENYLANTHRACENE CHEMILUMINESCENT FLUORESCERS

---

(51) International classification	:C09K 11/06
(31) Priority Document No	:61/220,072
(32) Priority Date	:24/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039800
Filing Date	:24/06/2010
(87) International Publication No	:WO 2010/151654
(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)CYALUME TECHNOLOGIES, INC.**

Address of Applicant :96 WINDSOR STREET, WEST SPRINGFIELD, MA 01089, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)EARL CRANOR**

**2)LINDA JACOB**

(57) Abstract :

Compounds are disclosed for the production of chemiluminescent light, particularly for the production of blue/violet light within the range of about 390nm to less than 438 nm, and most particularly to the use of compounds composed of symmetrically and asymmetrically substituted anthracenes which are effective for increasing the production of such blue/violet light when used as fluorescers in conjunction with chemiluminescent systems. These systems utilize derivatives of 9,10-diphenylanthracene containing one or more fluorines As shown in General Formulae (1-3). The variables shown in Formulae (1-3) are defined in the specification.

No. of Pages : 136 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9883/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TARGETTED DRUG DELIVERY TO THE BONE

---

(51) International classification	:C07F 9/38
(31) Priority Document No	:61/184,548
(32) Priority Date	:05/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/SG2010/000214
Filing Date	:07/06/2010
(87) International Publication No	:WO 2010/140986
(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)NANYANG TECHNOLOGICAL UNIVERSITY**

Address of Applicant :50 NANYANG, AVENUE,  
SINGAPORE 639798, SINGAPORE

(72)Name of Inventor :

**1)VENKATRAMAN, SUBRAMANIAN**

**2)LOO, SAY CHYE, JOACHIM**

(57) Abstract :

The present invention relates to a complex of a bisphosphonate compound, methods of preparing such complex and uses thereof.

No. of Pages : 50 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9885/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FLUID RESISTANT CONNECTOR AND SYSTEM

---

(51) International classification	:H01R 13/52
(31) Priority Document No	:61/218,195
(32) Priority Date	:18/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038960
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/148175
(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)ITT MANUFACTURING ENTERPRISES, INC.**

Address of Applicant :1105 N. MARKET STREET, SUITE 1217 WILMINGTON, DELAWARE 19801, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)SEILER, MICHAEL, KEVIN**

(57) Abstract :

An elastomer moisture resistant connector for at least one conductor disposed at least partially within a jacket of elastomer material. The connector has a first elastomer portion, which has a first end and a second end. The first end of the first elastomer portion is adapted to be compressed against a support. The connector also has a second elastomer portion that is integrally molded with the first elastomer portion and extends from the second end of the first elastomer portion, and is configured to enclose at least a portion of the jacket. The connector also has a third elastomer portion that is integrally molded with the first elastomer portion, protrudes from the second end of the first elastomer portion, and is adapted to be compressed by an enclosure.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9891/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VEHICLE SEAT

(51) International classification	:B60N 2/10
(31) Priority Document No	:2009-166479
(32) Priority Date	:15/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059427
Filing Date	:03/06/2010
(87) International Publication No	:WO 2011/007625
(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)TOYOTA SHATAI KABUSHIKI KAISHA**

Address of Applicant :100, KANAYAMA, ICHIRIYAMA-CHO, KARIYA-SHI, AICHI 4480002 Japan

(72)Name of Inventor :

**1)HORIGUCHI, KENJI**

**2)KURETAKE, HIROYUKI**

**3)KINOSHITA, HIDEKI**

---

(57) Abstract :

Disclosed is an arrangement wherein an occupant can get in and out of a vehicle in an approximately semi-crouching posture, with the thigh portion positioned lower than the hip portion, thereby making it easy for the occupant to get in and out of the vehicle. More specifically, disclosed is a vehicle seat which comprises a stationary cushion section (S) and a movable cushion section (M). The aforementioned vehicle seat is characterized by being provided with a seat cushion (40) which is configured to be capable of being inclined in such a way that the boarding/alighting side is positioned low, with the movable cushion section (M) ascending with respect to the stationary cushion section (S); and a cushion inclining mechanism which is disposed underneath the seat cushion (40) and whereby the movable cushion section (M) is tilted while being causing to ascend with respect to the stationary cushion section (S).

No. of Pages : 89 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9892/DELNP/2011 A

(43) Publication Date : 22/02/2013

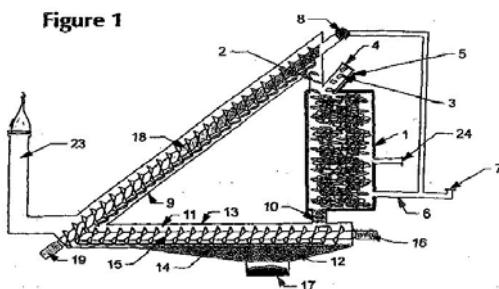
(54) Title of the invention : NOVEL METHOD FOR PYROGASIFICATION OF ORGANIC WASTE

(51) International classification	:C10B 49/16	(71)Name of Applicant :
(31) Priority Document No	:0902500	<b>1)HUSTACHE FRANCOIS</b>
(32) Priority Date	:25/05/2009	Address of Applicant :27 RUE DU GENERAL LECLERC, F-
(33) Name of priority country	:France	78570 ANDRESY, FRANCE
(86) International Application No	:PCT/FR2010/000388	<b>2)CHANTELAT ALAIN</b>
Filing Date	:25/05/2010	<b>3)POINT JACQUES</b>
(87) International Publication No	:WO 2010/136669	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)HUSTACHE FRANCOIS</b>
Filing Date	:NA	<b>2)CHANTELAT ALAIN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel method for pyrogasification of organic wastes. The method according to the invention employs a vertical furnace (1) filled with metal masses in the shape of metal toroids (2) previously raised to a high temperature (500 to 1100°C) and organic materials (3) to be pyrolyzed. It also employs a furnace (9) for heating toroids (2) transported by an Archimedes screw (18) driven by a gear motor (19), as well as a separator (11) for recovering the mineral residues (12), whereby separation between the toroids (2) and residues (12) is effected with the aid of a screen (14) and an Archimedes screw (15) driven by a gear motor (16). Application to treatment of all products including organic matter whether from biomass and thus considered to be renewable energy or not from biomass. Figure for abstract: Fig. 1

**Figure 1**



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9877/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : SPRAYING DEVICE AND REFILL THEREFOR

(51) International classification	:B65D 83/16
(31) Priority Document No	:0911322.6
(32) Priority Date	:30/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051009
Filing Date	:18/06/2010
(87) International Publication No	:WO 2011/001159
(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)RECKITT & COLMAN (OVERSEAS) LIMITED**

Address of Applicant :103-105 BATH ROAD, SLOUGH, BERKSHIRE, SL1 3UH, UNITED KINGDOM

(72)Name of Inventor :

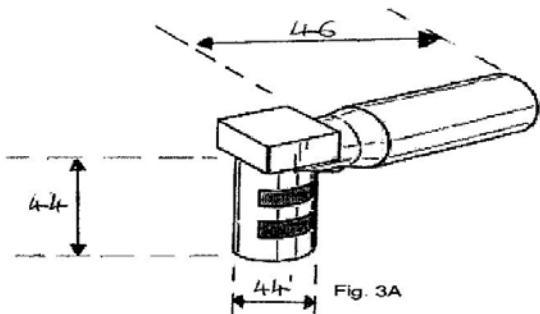
**1)MARTIN BUTLER**

**2)ERIN CORSTANJE**

**3)STEVE WALSH**

(57) Abstract :

A spraying device with a replaceable refill of fluid therein is described , wherein: the refill comprises a body forming a reservoir for the fluid, a valve stem at an upper portion of the body and a spray head wherein said spray head has a neck portion and a nozzle portion, in said neck portion is an inlet section attached to the valve stem and in said nozzle portion is a fluid exit orifice for directing, in use, sprayed fluid; and the device comprises an outer housing adapted to receive the refill therein, the outer housing is provided with an aperture suitable for permitting, in use, the spraying of the fluid from the fluid exit orifice of the spray head therethrough, the device comprises actuation means configured for periodic actuation of the refill, the device further comprises an inner housing adapted to receive at least a portion of the spray head therein, and the device is provided with detection means within the inner housing configured to distinguish between at least one area of lower reflectance and at least one area of relatively higher reflectance on the spray head of said refill; and characterised in that the detection means are directed toward either a right side or a left side of the neck portion of a spray head and a corresponding side of the neck portion of said spray head is provided with said at least one area of lower reflectance and at least one area of higher reflectance. Methods of operation of such a spraying device are also described. Fig. 3A



No. of Pages : 29 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9879/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHODS FOR PREDICTING THE TOXICITY OF A CHEMICAL

---

(51) International classification	:G01N 33/50
(31) Priority Document No	:0911060.2
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/003762
Filing Date	:23/06/2010
(87) International Publication No	:WO 2010/149346
(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)GE HEALTHCARE UK LIMITED**

Address of Applicant :AMERSHAM PLACE, LITTLE CHALFONT, BUCKINGHAMSHIRE HP7 9NA, UNITED KINGDOM

(72)**Name of Inventor :**

**1)PETER JAMES TATNELL**

**2)JEFFREY KENNETH HORTON**

(57) Abstract :

The invention relates to methods and kits for predicting the effect of a chemical on a developmental pathway. In particular, the invention relates to methods and kits for predicting the toxicity of a chemical on human developmental pathways. The methods and kits of the invention can be used for predicting changes in a cellular biomap or a developmental pathway during human foetal development.

No. of Pages : 82 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9881/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS AND COMPOSITION FOR TREATING METAL SURFACES

---

(51) International classification	:C23C 22/34
(31) Priority Document No	:12/474,960
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036392
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/138708
(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)BULK CHEMICALS, INC.**

Address of Applicant :1074 STINSON DRIVE, READING PA 19805 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)RIVERA, JOSE, B.**

**2)CHURCH, RICHARD, J.**

(57) Abstract :

A composition for forming a protective coating on a metal surface includes water; Cr<sub>2</sub>(GF6)<sub>3</sub> in which G is a Group IV-B element; and optionally at least one polymer having a plurality of carboxylic acid groups and at least one polymer having a plurality of hydroxyl groups, and/or at least one polymer having a plurality of both carboxylic acid and hydroxyl groups; wherein the composition contains less than 500 ppm of alkali metal ions and less than 200 ppm of halide ions relative to chromium. A method of forming a protective coating on a metal surface includes contacting the metal surface with the composition.

No. of Pages : 29 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9917/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ADJUSTMENT AID FOR A COMPONENT OF A WELDING DEVICE

---

(51) International classification

:B23K 9/32

(31) Priority Document No

:A 943/2009

(32) Priority Date

:18/06/2009

(33) Name of priority country

:Austria

(86) International Application No

:PCT/AT2010/000186

Filing Date

:28/05/2010

(87) International Publication No

:WO 2010/144928

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)FRONIUS INTERNATIONAL GMBH**

Address of Applicant :VORCHDORFER STRASSE 40, A-4643 PETTENBACH, AUSTRIA

(72)Name of Inventor :

**1)FRIEDRICH OBERZAUCHER**

**2)GUNTHER NEUBACHER**

**3)MICHA MITTERMAIR**

**4)BERNHARD ECKL**

**5)WOLFGANG BRUNMAYR**

---

(57) Abstract :

The invention relates to an adjustment aid (29) for a component of a welding device (1) in the form of an element for mounting or fastening on an input and/or output unit (18) of the component, on which element additionally information (31) and/or scale (32) for adjusting a welding process are printed. In order to simplify the adjustment of a certain welding process by the user, it is provided that the element is formed by a flexible element or foil (30) with two openings (33) for mounting or fastening on two rotary knobs (34) of the input and/or output unit (18), said openings each having a first part (38) and a second part (39), wherein the first part (38) of each opening (33) is designed for guiding through a rotary knob (34) and the second part (39) of each opening (33) is formed for fixation between the two rotational axes (37) of the rotatory knobs (34).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/12/2011

(21) Application No.9859/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : OXO-HETEROCYCLE FUSED PYRIMIDINE COMPOUNDS, COMPOSITIONS AND METHODS OF USE

(51) International classification	:A01N 43/54
(31) Priority Document No	:61/220,011
(32) Priority Date	:24/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/039685 :23/06/2010
(87) International Publication No	:WO 2010/151601
(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)GENENTECH, INC.

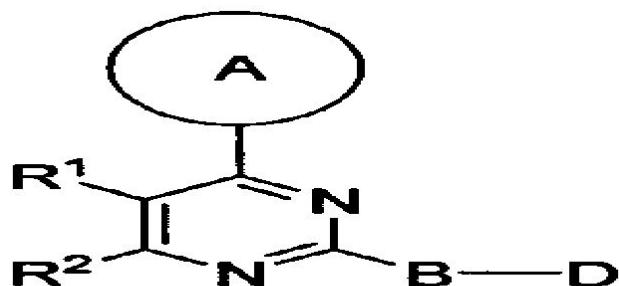
Address of Applicant :1 DNA WAY, SOUTH SAN FRANCISCO, CALIFORNIA 94080 (US). U.S.A.

(72)Name of Inventor :

- 1)BERGERON, PHILIPPE
- 2)COHEN, FREDERICK
- 3)ESTRADA, ANTHONY
- 4)KOEHLER, MICHAEL F.T.
- 5)LEE, WENDY
- 6)LY, CUONG
- 7)LYSSIKATOS, JOSEPH P.
- 8)PEI, ZHONGHUA
- 9)ZHAO, XIANRUI

(57) Abstract :

Disclosed are compounds of Formula I, including stereoisomers, geometric isomers, tautomers, solvates, metabolites and pharmaceutically acceptable salts thereof, that are useful in modulating PIKK related kinase signaling, e.g., mTOR, and for the treatment of diseases (e.g., cancer) that are mediated at least in part by the dysregulation of the PIKK signaling pathway (e.g., mTOR). Formula I



**Formula I**

No. of Pages : 204 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9905/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DISULFIDE-LINKED POLYETHYLENEGLCOL/PEPTIDE CONJUGATES FOR THE TRANSFECTION OF NUCLEIC ACIDS

(51) International classification	:A61K 47/48	(71) <b>Name of Applicant :</b> <b>1)CUREVAC GMBH</b> Address of Applicant :PAUL-EHRLICH-STR. 15, 72076 TUBINGEN, GERMANY
(31) Priority Document No	:12/553,559	
(32) Priority Date	:03/09/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/EP2010/005438	(72) <b>Name of Inventor :</b> <b>1)BAUMHOF, PATRICK</b> <b>2)SCHLAKE, THOMAS</b>
Filing Date	:03/09/2010	
(87) International Publication No	:WO 2011/026641	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is directed to an inventive polymeric carrier molecule according to generic formula (I) and variations thereof, which allows for efficient transfection of nucleic acids into cells in vivo and in vitro, a polymeric carrier cargo complex formed by a nucleic acid and the inventive polymeric carrier molecule, but also to methods of preparation of this inventive polymeric carrier molecule and of the inventive polymeric carrier cargo complex. The present invention also provides methods of application and use of this inventive polymeric carrier molecule and the inventive polymeric carrier cargo complex as a medicament, for the treatment of various diseases, and in the preparation of a pharmaceutical composition for the treatment of such diseases.

No. of Pages : 132 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9907/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PYRIDIL-TRIAZINE INHIBITORS OF HEDGEHOG SIGNALING

---

(51) International classification	:A01N 43/66
(31) Priority Document No	:61/185,401
(32) Priority Date	:09/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037717
Filing Date	:08/06/2010
(87) International Publication No	:WO 2010/144404
(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)CALIFORNIA CAPITAL EQUITY, LLC**

Address of Applicant :11755 WILSHIRE BOULEVARD,  
SUITE 2000, LOS ANGELES, CALIFORNIA 90025, UNITED  
STATES OF AMERICA

(72)**Name of Inventor :**

**1)TAO, CHUNLIN**

**2)HAN, HONGNA**

**3)SUN, XIAOWEN**

**4)DESAI, NEIL**

(57) Abstract :

The invention provides pyridyl-triazine derivatives to inhibit the hedgehog signaling pathway and the use of such compounds in the treatment of hyperproliferative diseases and angiogenesis mediated diseases.

No. of Pages : 137 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9908/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : TRIAZINE DERIVATIVES AND THEIR THERAPEUTICAL APPLICATIONS

(51) International classification	:A01N 43/66
(31) Priority Document No	:61/185,048
(32) Priority Date	:08/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037590
Filing Date	:07/06/2010
(87) International Publication No	:WO 2010/144345
(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)CALIFORNIA CAPITAL EQUITY, LLC

Address of Applicant :11755 WILSHIRE BOULEVARD,SUITE 2000, LOS ANGELES, CALIFORNIA 90025, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)TAO, CHUNLIN

2)WANG, QINWEI

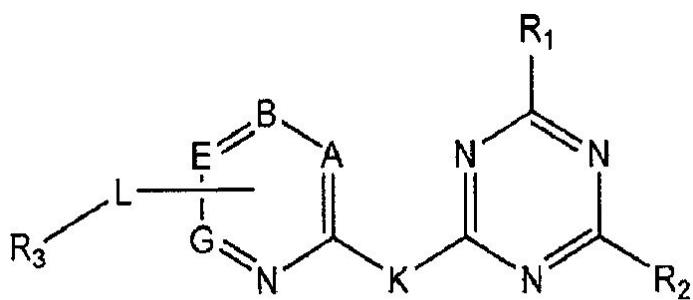
3)POLAT, TULAY

4)NALLAN, LAXMAN

5)DESAI, NEIL

(57) Abstract :

The present invention comprises inter alia triazine compounds as shown in formula (I) and pharmaceutically acceptable salts thereof.



(I)

No. of Pages : 107 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9915/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MULTI-COMPONENT CARTRIDGE HAVING A VENTILATION DEVICE

---

(51) International classification	:B65D 81/32
(31) Priority Document No	:09163156.4
(32) Priority Date	:18/06/2009
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2010/057512
Filing Date	:31/05/2010
(87) International Publication No	:WO 2010/145932
(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)SULZER MIXPAC AG**

Address of Applicant :RUTISTRASSE 7, CH-9469 HAAG,  
SWITZERLAND.

(72)**Name of Inventor :**

**1)PAUL JUTZI**

(57) Abstract :

A multicomponent cartridge (1) includes a first storage chamber (6) for a first component (8) and a second storage chamber (7) for a second component (9), with the first storage chamber (6) being separate from the second storage chamber (7). The first storage chamber (6) is arranged next to the second storage chamber (7). A first piston (3) is movably received in the first storage chamber (6) and a second piston (4) is movably received in the second storage chamber (7). Each of the first or second storage chambers has a respective filling end (12, 13) and a respective discharge end (14, 15). The first and second storage chambers (6, 7) are connected to one another at at least the discharge end (14, 15). The first and second storage chambers (6, 7) have a first and a second longitudinal dimension (16, 17) which extends between the corresponding filling end (12, 13) and the corresponding discharge end (14, 15), with the first storage chamber (6) having a first inner wall (24) and the second storage chamber (7) having a second inner wall (25), with the discharge end (14, 15) opening into a discharge element (18, 19) in an opening aperture. A venting element (22, 23) is arranged upstream of the corresponding opening aperture (20, 21) at at least one of the inner walls (24, 25) of at least one of the first or second storage chambers (6, 7), with the venting element (22, 23) extending over a maximum of one third of the longitudinal dimension (16, 17) of the storage chamber (6, 7).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2011

(21) Application No.9899/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CAPSULE FOR THE PREPARATION OF A BEVERAGE EMBEDDING AN IDENTIFICATION ELEMENT

(51) International classification	:B65D 85/804
(31) Priority Document No	:09164590.3
(32) Priority Date	:03/07/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/058684
Filing Date	:21/06/2010
(87) International Publication No	:WO 2011/000725
(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)NESTEC S.A.**

Address of Applicant : AVENUE NESTLE 55, CH-1800  
VEVEY, SWITZERLAND.

(72)**Name of Inventor :**

**1)PETER, BUCHER**

**2)ALESSANDRO, BRAZZOLA**

**3)KOLLEP, ALEXANDRE**

**4)JUNG, ANDRE**

---

(57) Abstract :

Capsule (1) for the preparation of a beverage comprising: a first and second covering wall (3 A, 3B) connected for forming a cavity (5) containing a beverage ingredient (6); a contactless identifying element (8) for identifying the capsule by detecting the identifying element (8) using detecting means (2) of a beverage producing device (13); characterized in that: the identifying element (8) is disposed in the interior of the cavity (5).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9951/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PROCESS FOR PRODUCING STEAM USING HEAT RECOVERED FROM A POLYMERIZATION REACTION

(51) International classification	:B01J 19/18
(31) Priority Document No	:09164262.9
(32) Priority Date	:01/07/2009
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2010/059393 :01/07/2010
(87) International Publication No	:WO 2011/000925
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

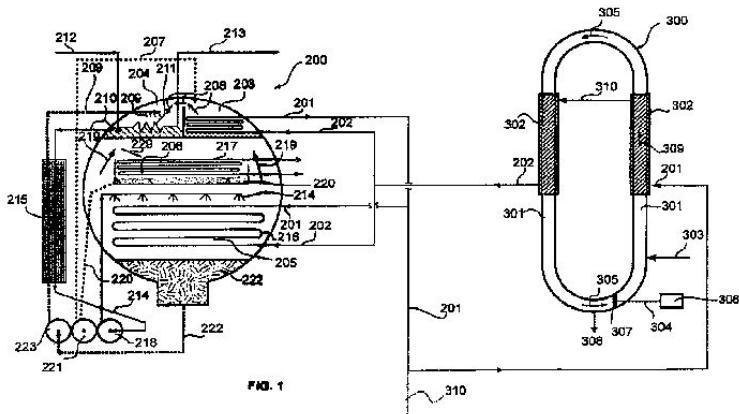
1)TOTAL PETROCHEMICALS RESEARCH FELUY  
Address of Applicant :ZONE INDUSTRIELLE C, B-7181  
SENEFFE (FELUY) Belgium

(72)Name of Inventor :

1)VAN GRAMBEZEN, PIERRE  
2)ABOUAHI, MOURAD

(57) Abstract :

The present invention relates to a process for producing steam using heat recovered from a polymerization reaction. In particular, the present invention relates to a process for producing steam using heat recovered from a polymerization reaction for producing polyolefin, comprising the steps of: thermally contacting said polymerization reaction with a cooling fluid such that the cooling fluid removes heat from said reaction, thermally contacting at least part of said cooling fluid with at least one absorption cycle thereby transferring heat from the cooling fluid to said absorption cycle, using said absorption cycle to produce steam from a condensate, wherein the cooling fluid is used as a hot source for heating at least one evaporator and at least one generator comprised in said at least one absorption cycle. The present invention also relates to a process for cooling a polymerization reaction using a process as described herein. Said invention also relates to a polyolefin producing unit.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9953/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CAPS AND CLOSURES

(51) International classification	:C08F 210/16
(31) Priority Document No	:09165213.1
(32) Priority Date	:10/07/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/059999
Filing Date	:12/07/2010
(87) International Publication No	:WO 2011/004032
(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)TOTAL PETROCHEMICALS RESEARCH FELUY**  
Address of Applicant :ZONE INDUSTRIELLE C, B-7181  
SENEFFE (FELUY ) Belgium

(72)**Name of Inventor :**

**1)STANDAERT, ALAIN**  
**2)LUIJKX, ROMAIN**  
**3)SLAWINSKI, MARTINE**  
**4)VANTOMME, AURELIEN**

---

(57) Abstract :

This invention discloses caps and closures produced by injection moulding with a bimodal high density polyethylene (HDPE) resin comprising a low molecular weight, high density polyethylene fraction substantially free of comonomer and a high molecular weight, low density polyethylene fraction, having a molecular weight distribution of at least 3.5, preferably greater than 4.0, prepared in two reactors connected in series in the presence of a metallocene-containing catalyst system, wherein the metallocene comprises a bisindenyl or a bis-tetrahydrogenated-indenyl component

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9956/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ZINC OXIDE SULFUR SENSOR

(51) International classification	:G01N 33/22
(31) Priority Document No	:61/226,401
(32) Priority Date	:17/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/042094
Filing Date	:15/07/2010
(87) International Publication No	:WO 2011/008926
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CATERPILLAR INC.

Address of Applicant :100 N.E. ADAMS STREET, PEORIA, ILLINOIS 61629-9510, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)REBINSKY, DOUGLAS A.

2)ALTIN, ORHAN

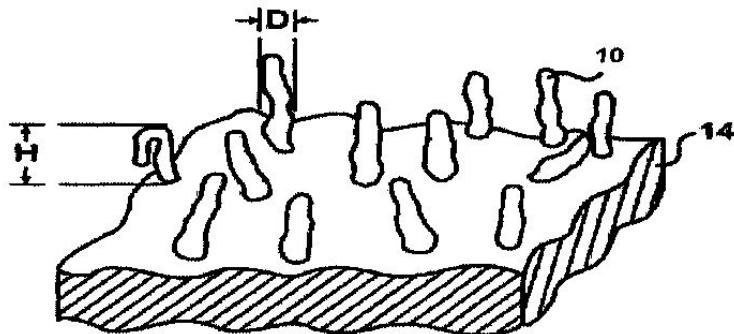
3)HASTINGS, JEDIDIAH M.

4)TIAN, YONG

5)LIU, XIAODONG

(57) Abstract :

Sulfur sensors are formed by coating a conductive substrate with ZnO microstructures that are reactive with sulfur in liquids, such as fuel, using MOCVD. The ZnO is changed to ZnS over time and causes the voltage across the sensors to change under a constant current by at least about 25%. The time required for such saturation to occur can then be correlated to a sulfur concentration in the liquid. Fig. 1



**Fig. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9962/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VALVE COMPRISING A MOVEMENT TRANSFORMATION DEVICE

---

(51) International classification	:F02D 9/12
(31) Priority Document No	:09/02949
(32) Priority Date	:17/06/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/058549
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/146121
(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)VALEO SYSTEMS DE CONTROLE MOTEUR**

Address of Applicant :14 AVENUE DES BEGUINES, BP  
68532, F-95892 CERGY PONTOISE FRANCE

(72)**Name of Inventor :**

**1)ALBERT LAURENT**

**2)RIDOLFI GABRIEL**

(57) Abstract :

The invention relates to an engine control valve (1) which comprises a rotatable actuator (7), a valve (5), and a movement transformation device (9) suitable for transforming the rotation of the actuator (7) into translation of the valve (5). The movement transmission device (9) comprises a helical link with uniform pitch for translating the valve (5).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9919/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR PREPARING A COMPLEX

(51) International classification	:B01J 31/24
(31) Priority Document No	:0908980.6
(32) Priority Date	:26/05/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050860
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/136793
(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)JOHNSON MATTHEY PLC.**

Address of Applicant :5TH FLOOR, 25 FARRINGDON STREET, LONDON EC4A 4AB, UNITED KINGDOM

(72)Name of Inventor :

**1)CHRISTOPHER FRANCIS JAMES BARNARD**

**2)HONGBO LI**

(57) Abstract :

The present invention provides a process for the preparation of a complex of formula (A) or (B): wherein, M is a platinum group metal atom; each X is an anionic monodentate ligand; is a bidentate phosphine ligand; and R1 and R2 are independently selected from the group consisting of straight-chain C1-10 alkyl, branched-chain C3-10 alkyl, C3-10 cycloalkyl and optionally substituted aryl; comprising the steps of (a) preparing by reacting the lithium salt of R1R2PH with a dihaloalkane in a solvent comprising an alkyl ether and, optionally, an alkane; (b) reacting with a platinum group metal precursor compound to form the complex of formula (A) or formula (B).

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9921/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROTECTIVE COATING, A COATED MEMBER HAVING A PROTECTIVE COATING AS WELL AS METHOD FOR PRODUCING A PROTECTIVE COATING

(51) International classification	:C23C 14/06	(71) <b>Name of Applicant :</b> <b>1)SULZER METAPLAS GMBH</b> Address of Applicant :AM BOTTCHERBERG 30-38, 51427 BERGISCH-GLADBACH, GERMANY
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP2009/057619	(72) <b>Name of Inventor :</b> <b>1)JORG VETTER</b>
Filing Date	:18/06/2009	
(87) International Publication No	:WO 2010/145704	
(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 protective coating, having the chemical composition CaSibBdNeOgH1Mem, wherein Me is at least one metal of the group consisting of {Al, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Y, Sc, La, Ce, Nd, Pm, Sm, Pr,Mg, Ni, Co, Fe,Mn}, with  $a+b+d+e+g+1+m = 1$ . According to the invention, the following conditions are satisfied:  $0.45 \leq a \leq 0.98$ ,  $0.01 \leq b \leq 0.40$ ,  $0.01 \leq d \leq 0.30$ ,  $0 \leq e \leq 0.35$ ,  $0 \leq g \leq 0.20$ ,  $0 \leq l \leq 0.35$ ,  $0 \leq m \leq 0.20$ . The invention relates also to a coated member having a protective coating, as well as to a method for producing a protective coating, in particular a multilayer film for a member.

No. of Pages : 47 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9922/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HIGH STRENGTH FABRICS CONSISTING OF THIN GAUGE CONSTANT COMPRESSION ELASTIC FIBERS

(51) International classification	:D01D 5/08
(31) Priority Document No	:61/220,357
(32) Priority Date	:25/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/039773 :24/06/2010
(87) International Publication No	:WO 2010/151633
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)**Name of Applicant :**

**1)LUBRIZOL ADVANCED MATERIALS, INC.**  
Address of Applicant :9911 BRECKSVILLE ROAD,  
CLEVELAND, OHIO 44141-3247, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)RAVI R. VEDULA**  
**2)JAMES E. BRYSON JR.**  
**3)MOUH-WAHNG LEE**  
**4)DANIEL M. FISCHER**  
**5)CHRISTOPHER A. SPRAGUE**

---

(57) Abstract :

Elastic fibers are disclosed which have a relatively flat modulus curve at between 100% and 200% elongation. The fibers can be made into garments having a very comfortable feel. The preferred elastic fibers are made from thermoplastic polyurethane polymers and are made by a unique melt spinning process where the fiber is wound into bobbins at a speed just slightly higher than the melt velocity of the polymer exiting the spinneret.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9926/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TRIPLE LEAD BONE SCREW

(51) International classification	:A61B 17/86
(31) Priority Document No	:61/218, 574
(32) Priority Date	:19/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039160
Filing Date	:18/06/2010
(87) International Publication No	:WO 2010/148299
(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)US SPINE, INC.**

Address of Applicant :1885 WEST 2100 SOUTH, SALT LAKE CITY, UTAH 84119, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)DAVID CROOK**

**2)PETER HARRIS**

**3)CHESTER SHARPS**

(57) Abstract :

A pedicle screw assembly, including a bone screw having a bead portion and a thread portion, wherein the thread portion includes an axial shall and a triple lead thread disposed about the axial shaft, and a rod retention member selectively coupled to the head portion of the bone screw. Optionally, the triple lead thread includes leads that originate at different points along the axial shaft. Optionally, the triple lead thread includes leads that terminate at different points along the axial shaft. Optionally, the axial shaft includes a first tapering portion proximate a tip of the axial shaft. Optionally, the axial shaft includes a second tapering portion proximate the tip of the axial shaft. Preferably, the second tapering portion tapers more steeply than the first tapering portion. Optionally, the axial shaft includes a reduced diameter portion or one more tapering portions proximate the head portion.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9927/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR CHANGING A WELDING PROCESS DURING A WELDING OPERATION AND METHOD FOR APPLYING HEAT PRIOR TO A WELDING OPERATION

(51) International classification	:B23K 9/09
(31) Priority Document No	:A 946/2009
(32) Priority Date	:18/06/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2010/000213
Filing Date	:14/06/2010
(87) International Publication No	:WO 2010/144931
(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)FRONIUS INTERNATIONAL GMBH**

Address of Applicant :VORCHDORFER STRASSE 40, 4643  
PETTENBACH, AUSTRIA

(72)**Name of Inventor :**

**1)JORG KAZMAIER**

**2)JOSEF ARTELSMAIR**

**3)WILLI BAUMANN**

**4)WALTER STIEGLBAUER**

---

(57) Abstract :

The invention relates to a method for changing a welding process during a welding operation, wherein the change is carried out from a welding process that was conducted to a subsequent welding process during a short circuit between a melting welding wire and a workpiece, and to a method for applying heat prior to a welding operation. In order to achieve a welding process with high process stability, it is provided that, upon detecting the short circuit of the welding process that is conducted, the welding wire (9) is still moved for a defined duration (32) in the movement direction and subsequently stopped, depending on a threshold value (34) of the welding current (I) of the subsequent welding process, whereupon upon reaching the threshold value (34) of the welding current (I), the welding wire (9) is moved in the opposite direction in order to start the subsequent welding process.

No. of Pages : 29 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9932/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : INTEGRATING DIGITAL BOOK AND ZOOM INTERFACE DISPLAYS

(51) International classification	:G06F 3/14
(31) Priority Document No	:12/486,499
(32) Priority Date	:17/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038817
Filing Date	:16/06/2010
(87) International Publication No	:WO 2010/148084
(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)MICROSOFT CORPORATION

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399, UNITED STATES  
OF AMERICA

(72)Name of Inventor :

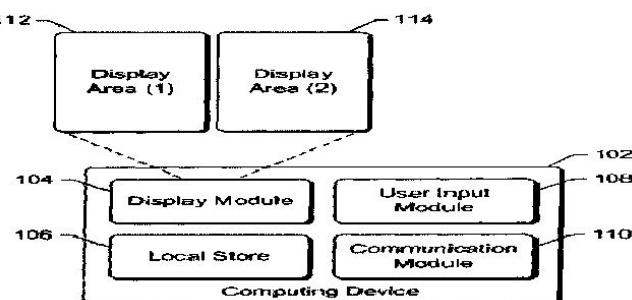
1)ESTRADA, JULIO

2)GERHARD, LUTZ

(57) Abstract :

In accordance with one or more aspects, different pages of a digital book are displayed in each of two display areas of a device using a book display model. In response to a request to semantically zoom out, the digital book is displayed in a broader context, the broader context using a context display model rather than the book display model. In response to additional requests to semantically zoom out, the digital book is displayed in increasingly broader contexts. Additionally, in response to requests to semantically zoom in, the digital book is displayed in increasingly narrower contexts until the digital book is displayed in the book display model rather than the context display model.

100



**Fig. 1**

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9936/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : ELECTRO-HYDRAULIC CONTROL SYSTEM CALIBRATION AND DIAGNOSTICS

(51) International classification	:F16H 61/00
(31) Priority Document No	:12/479,062
(32) Priority Date	:05/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037073
Filing Date	:02/06/2010
(87) International Publication No	:WO 2010/141589
(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)ALLISON TRANSMISSION, INC.

Address of Applicant :4700 WEST 10TH STREET,  
INDIANAPOLIS, IN 46222, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)LONG, CHARLES, F.

(57) Abstract :

Various embodiments of methods, apparatus and systems that diagnose and/or detect faults of an electro-hydraulic control system for a transmission are presented. Some embodiments, adjust a main line pressure of the electro-hydraulic control system and detect faults based upon changes in a pressure switch resulting from such adjustments of the main line pressure. The pressure switch may be incorporated into a control main valve or a clutch trim valve of the electro-hydraulic control system. Various embodiments of methods, apparatus and systems that calibrate main modulation of an electro-hydraulic control system for a vehicle transmission are presented. Some embodiments calibrate regulator control signals that cause a main regulator valve to develop a main line pressure based upon status of a control main valve that develops a control main pressure based upon the main line pressure. Various embodiments of methods, apparatus and systems that calibrate main modulation of an electro-hydraulic control system are presented. Some embodiments calibrate regulator control signals that cause a main regulator valve to develop a main line pressure based upon status of a clutch trim valve that develops a clutch feed pressure for a clutch of a transmission.

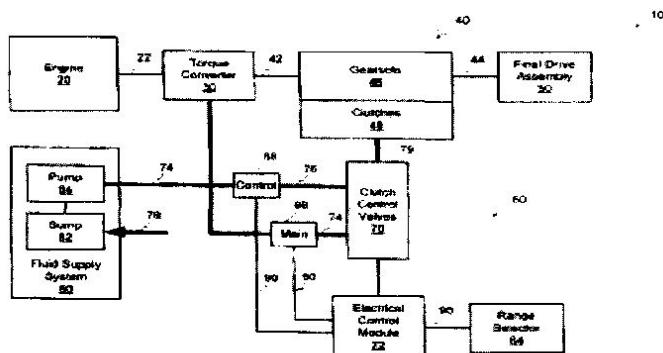


FIG. 1

No. of Pages : 108 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9938/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : AIR VEHICLE

(51) International classification	:B64C 29/00
(31) Priority Document No	:199009
(32) Priority Date	:27/05/2009
(33) Name of priority country	:Israel
(86) International Application No	:PCT/IL2010/000416
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/137016
(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)ISRAEL AEROSPACE INDUSTRIES LTD.

Address of Applicant :BEN GURION INTERNATIONAL AIRPORT, 70100 LOD, ISRAEL

(72)Name of Inventor :

1)WOLFF, AMIT

2)DEKEL, GUY

3)ZIVAN, LIOR

(57) Abstract :

According to one aspect of the invention there is provided a system and method for providing propulsion and control to an air vehicle, and for operating the vehicle, in which at least three propulsion units provide vertical thrust for vectored thrust flight, and in which at least one or two of the propulsion units also provide thrust for vectored thrust cruising or aerodynamic flight by suitably tilting the respective propulsion units for changing the thrust vector thereof. At the same time, the three or more propulsion units are operated to generate controlling moments to the air vehicle about three orthogonal axes, pitch, roll and yaw, during vectored thrust flight (hover, cruising, etc.) or during aerodynamic flight for controlling the vehicle. The control moments are generated by selectively varying the thrust generated by each of the propulsion units independently of one another, and: by selectively vectoring the thrust of one propulsion unit with respect to each of two independent tilt axes independently of one another, or by selectively vectoring the thrust of each of two propulsion units with respect to a respective tilt axis, independently of one another.

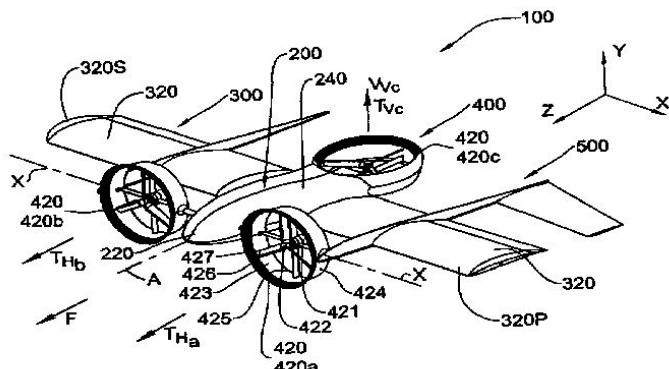


FIG. 1

No. of Pages : 62 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9939/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : AXIAL OPENER

(51) International classification	:D01G 9/04
(31) Priority Document No	:BS2009A000121
(32) Priority Date	:30/06/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/052970
Filing Date	:29/06/2010
(87) International Publication No	:WO 2011/001379
(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)MARZOLI S.P.A.

Address of Applicant :VIA S. ALBERTO, 10, 1-25036  
PALAZZOLO SULL'OGLIO, BRESCIA ITALY

(72)Name of Inventor :

1)MASCHERETTI, MARIO

(57) Abstract :

An axial opener (8) for fibres in tufts comprises an input pipe (10), opener rollers (16,22) and a separation wall (42) upline of the cleaner rollers, to separate the compartments which the rollers are housed in and direct the fibre to be processed in part towards the first compartment and in part towards the second compartment of the opener.

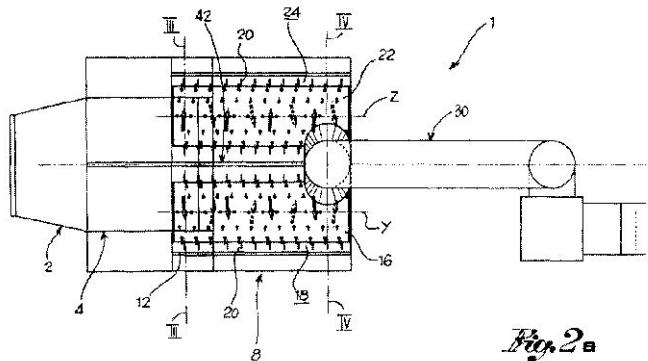


Fig. 2a

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9965/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BENZYL SUBSTITUTED TRIAZINE DERIVATIVES AND THEIR THERAPEUTICAL APPLICATIONS

(51) International classification

:A01N 43/66

(31) Priority Document No

:61/185,419

(32) Priority Date

:09/06/2009

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2010/037695

Filing Date

:08/06/2010

(87) International Publication No

:WO 2010/144394

(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)CALIFORNIA CAPITAL EQUITY, LLC**

Address of Applicant :11755 WILSHIRE BOULEVARD,  
SUITE 2000, LOS ANGELES, CALIFORNIA 90025, UNITED  
STATES OF AMERICA

(72)**Name of Inventor :**

**1)TAO, CHUNLIN**

**2)WANG, QINWEI**

**3)HO, DAVID**

**4)NALLAN, LAXMAN**

**5)POLAT, TULAY**

**6)SUN, XIAOWEN**

**7)DESAI, NEIL**

---

(57) Abstract :

The invention provides triazine compounds and methods of their use to modulate protein kinases and to treat diseases mediated by said protein kinases.

No. of Pages : 89 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9967/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STYRYL-TRIAZINE DERIVATIVES AND THEIR THERAPEUTICAL APPLICATIONS

(51) International classification	:A01N 43/66
(31) Priority Document No	:61/185,443
(32) Priority Date	:09/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037739
Filing Date	:08/06/2010
(87) International Publication No	:WO 2010/144423
(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)CALIFORNIA CAPITAL EQUITY, LLC**

Address of Applicant :11755 WILSHIRE BOULEVARD,  
SUITE 2000, LOS ANGELES, CALIFORNIA 90025, UNITED  
STATES OF AMERICA

(72)**Name of Inventor :**

**1)TAO, CHUNLIN**

**2)WANG, QINWEI**

**3)DESAI, NEIL**

---

(57) Abstract :

The invention provides Styryl-Triazine derivatives, and further provides methods of using these compounds to modulate protein kinases and to treat protein kinase mediated diseases.

No. of Pages : 119 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9980/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DRUG ELUTING OCULAR IMPLANT

(51) International classification	:A61F 2/00
(31) Priority Document No	:61/179,332
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035319
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/135369
(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)DOSE MEDICAL CORPORATION**

Address of Applicant :26051 MERIT CIRCLE, SUITE 103,  
LAGUNA HILLS, CA 92653, UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)HAFFNER, DAVID**

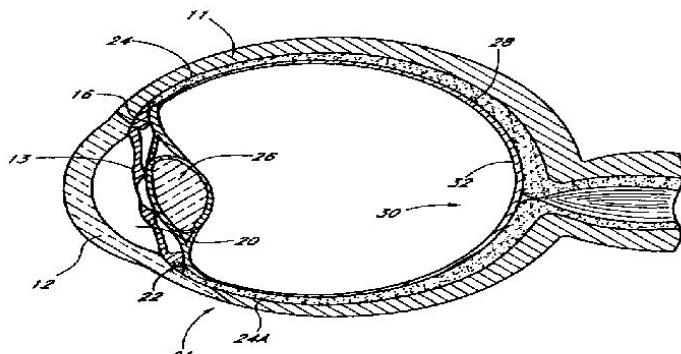
**2)CURRY, KEN**

**3)HEITZMANN, HAROLD**

**4)APPLEGATE, DAVID**

(57) Abstract :

Disclosed herein are drug delivery devices and methods for the treatment of ocular disorders requiring targeted and controlled administration of a drug to an interior portion of the eye for reduction or prevention of symptoms of the disorder. The devices are capable of controlled release of one or more drugs and may also include structures which allows for treatment of increased intraocular pressure by permitting aqueous humor to flow out of the anterior chamber of the eye through the device.



**FIG. 1**

No. of Pages : 148 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9981/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LIQUID DOSAGE FORMS OF ISOTRETINOIN

---

(51) International classification	:A61K 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2010/052254
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/134047
(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)RANBAXY LABORATORIES LIMITED**

Address of Applicant :12TH FLOOR, DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019, INDIA.

(72)Name of Inventor :

**1)SANJAY KUMAR MOTWANI**

**2)SHASHIKANTH P. ISLOOR**

**3)VINOD ARORA**

(57) Abstract :

The present invention relates to a pharmaceutical solution comprising isotretinoin or salts thereof. The present invention further relates to the processes for preparing such compositions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9982/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TOPICAL RETINOID SOLUTIONS

(51) International classification	:A61L 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2010/052255
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/134048
(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)RANBAXY LABORATORIES LIMITED**

Address of Applicant :12TH FLOOR, DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019, INDIA.

(72)Name of Inventor :

**1)SANJAY KUMAR MOTWANI**

**2)SHASHIKANTH P. ISLOOR**

**3)VINOD ARORA**

(57) Abstract :

The present invention relates to a topical solution comprising a retinoid or its pharmaceutically acceptable salts thereof and a process of preparing it

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/12/2011

(21) Application No.9994/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PRODUCTION OF ADIPIC ACID AND DERIVATIVES FROM CARBOHYDRATE-CONTAINING MATERIALS

(51) International classification	:C07C 51/235
(31) Priority Document No	:61/268,414
(32) Priority Date	:13/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/038408 :11/06/2010
(87) International Publication No	:WO 2010/144862
(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)RENNOVIA, INC.**

Address of Applicant :1080 HAMILTON AVENUE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA

(72)**Name of Inventor :**

**1)THOMAS R. BOUSSIE**

**2)ERIC L. DIAS**

**3)ZACHARY M. FRESCO**

**4)VINCENT J. MURPHY**

**5)JAMES SHOEMAKER**

**6)RAYMOND ARCHER**

**7)HONG JIANG**

---

(57) Abstract :

The present invention generally relates to processes for the chemocatalytic conversion of a glucose source to an adipic acid product. The present invention includes processes for the conversion of glucose to an adipic acid product via glucaric acid or derivatives thereof. The present invention also includes processes comprising catalytic oxidation of glucose to glucaric acid or derivative thereof and processes comprising the catalytic hydrodeoxygenation of glucaric acid or derivatives thereof to an adipic acid product. The present invention also includes products produced from adipic acid product and processes for the production thereof from such adipic acid product.

No. of Pages : 29 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/12/2011

(21) Application No.9995/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD FOR PRODUCING HIGH BULK DENSITY DETERGENT GRANULES

(51) International classification	:C11D 11/00
(31) Priority Document No	:2009-155157
(32) Priority Date	:30/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/061038
Filing Date	:29/06/2010
(87) International Publication No	:WO 2011/001966
(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)KAO CORPORATION**

Address of Applicant :14-10, NIHONBASHI-KAYABACHO  
1-CHOME, CHUO-KU, TOKYO 1038210, JAPAN

(72)**Name of Inventor :**

**1)KENICHIRO KAWAMOTO**

**2)YOSHINOBU IMAIZUMI**

**3)TAKASHI KAMEI**

(57) Abstract :

A method for producing detergent particles having a bulk density of 650 g/L or more, including the following steps 1 to 3: step 1: mixing powdery raw materials having an oil-absorbing ability of 0.4 mL/g or more; step 2: adding water or an aqueous binder solution to a mixed powder obtained by the step 1, and preparing base particles with a low-shearing granulator; and step 3: mixing the base particles obtained in the step 2, with a surfactant composition containing an anionic surfactant and water. By using a method of the present invention, some effects such as high-density detergent particles generally having very small skin irritability, favorable biodegradability, and a sharp particle size distribution can also be produced in high yields are exhibited. Having a sharper particle size distribution would lead to exhibition of the effects that a detergent having not only improved external appearance but also favorable free flowability and excellent productivity can be efficiently obtained.

No. of Pages : 74 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9970/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : CLEANING SYSTEM FOR COLLECTORS IN COMBINATION WITH A SPECIAL PROTECTIVE POSITION

(51) International classification	:F24J 2/46
(31) Priority Document No	:A 896/2009
(32) Priority Date	:10/06/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/EP2010/058114
Filing Date	:09/06/2010
(87) International Publication No	:WO 2010/142745
(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)HADLAUER, MARTIN**

Address of Applicant :PROLEBER STR. 58, A-8700  
LEOBEN, AUSTRIA

(72)Name of Inventor :

**1)HADLAUER, MARTIN**

(57) Abstract :

A cleaning system for solar collectors, characterized in that movably mounted cleaning nozzles for introducing steam or water are secured to collectors, which can be closed in pairs at the mirror ends. The cleaning process is to take place partially or completely in the closed state or protective position.

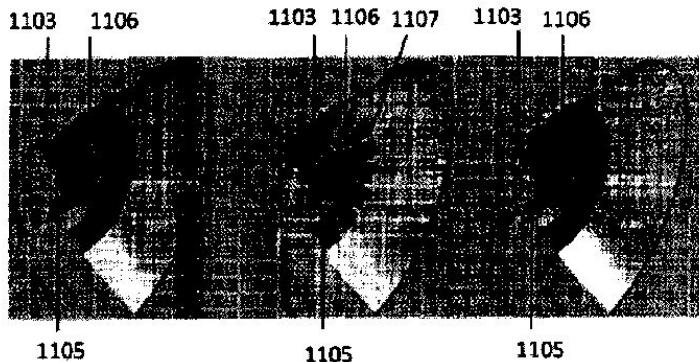


Fig. 11

No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9977/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DIG-11 INSECTICIDAL CRY TOXINS

(51) International classification	:A01N 63/02
(31) Priority Document No	:61/187,460
(32) Priority Date	:16/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038483
Filing Date	:14/06/2010
(87) International Publication No	:WO 2010/147880
(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)DOW AGROSCIENCES LLC**

Address of Applicant :9330 ZIONSVILLE ROAD,  
INDIANAPOLIS, IN 46268-1054, UNITED STATES OF  
AMERICA

(72)**Name of Inventor :**

**1)JUSTIN LIRA**

**2)KENNETH NARVA**

**3)AARON WOOSLEY**

**4)IGNACIO LARRINUA**

**5)TIMOTHY HEY**

---

(57) Abstract :

DIG-11 Cry toxins, polynucleotides encoding such toxins, use of such toxins to control pests, and transgenic plants that produce such toxins are disclosed.

No. of Pages : 76 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/12/2011

(21) Application No.9928/DELNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SUSPENSION STRUCTURES

(51) International classification	:H02K 5/24
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2010/003734
Filing Date	:12/06/2010
(87) International Publication No	:WO 2010/149327
(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)CONVERTEAM TECHNOLOGY LTD**

Address of Applicant :BOUGHTON ROAD RUGBY,  
WARWICKSHIRE UNITED KINGDOM, CV21 1BU, UNITED  
KINGDOM

(72)Name of Inventor :

**1)BRADLEY, STUART IAN**

**2)LE FLEM, GRAHAM, DEREK**

---

(57) Abstract :

A support structure is used to mount the stator of a rotating electrical machine (e.g. a motor or generator). The support structure includes a rigid external support frame (6). To minimise the transmission of vibrations caused by stator electromagnetic forces into the external support frame (6), at least one sandwich anti-vibration mount (14a) is secured between the external support frame (6) and a part of the stator (28). The mount (14a) is oriented relative to the stator such that it experiences compression loading in a substantially tangential direction of the stator and radial shear loading in a substantially radial direction of the stator during operation of the rotating electrical machine. The sandwich anti-vibration mount (14a, 14b) is pre-loaded with a predetermined compression load substantially along its compression axis (Ac). The mount (14a) has a high stiffness characteristic Krs for compression loading and a stiffness characteristic Krs for radial shear loading that is substantially zero, or even negative. The mount (14a) will therefore restrain tangential deflection of the stator while still achieving a low-stiffness suspension in the radial direction.

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2011

(21) Application No.9116/DELNP/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PERFORMANCE ENHANCEMENT

(51) International classification	:A61H 31/00
(31) Priority Document No	:61/177,970
(32) Priority Date	:13/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001424
Filing Date	:13/05/2010
(87) International Publication No	:WO 2010/132115
(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)THE HOSPITAL FOR SICK CHILDREN**  
Address of Applicant :OF 555 UNIVERSITY AVENUE,  
TORONTO, ONTARIO M5G 1X8, CANADA

**2)CELLAEGIS DEVICES INC.**

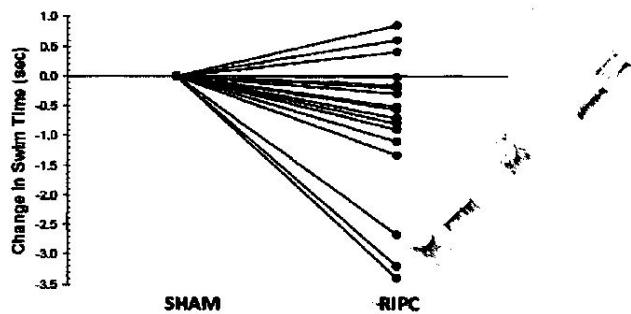
(72)Name of Inventor :

**1)REDINGTON, ANDREW**  
**2)CALDARONE, CHRISTOPHER**  
**3)GANSKE, ROCKY**

(57) Abstract :

The invention provides methods for enhancing physical performance without requiring repetitive training. FIG. 9

**FIG. 9**



No. of Pages : 72 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1034/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SPRING CLAMP ASSEMBLY FOR CONNECTORS

(51) International classification	:H01R 4/48	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DINESH R KANNADKAR</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a central processing unit of a personalized desktop computer in a shape of an automobile. The central processing unit includes a chassis, a front bumper, head lights, parking lights, a rear bumper, a pair of front wheels, a pair of rear wheels, a plurality of fans, a body and logo configure to accommodate various elements of the central processing unit.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1035/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : UNIQUE AUTO DEGATING AND EJECTION FEATURE IN MOVING SLIDES

---

(51) International classification

:B29C  
45/64

(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)LARSEN & TOUBRO LIMITED**

Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
P.O. BOX NO. 278, MUMBAI, 400 001, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)ARVINDKUMAR K S**

**2)PETER NP**

(57) Abstract :

The various embodiments of the present invention provide a mould assembly comprising a component formed with the plurality of side cores, a runner ejector loaded with a spring, a feed system machined on the side core and an ejector pin. The side cores are actuated to move the ejector pin and the spring along the side cores and the component is fed through gate machined on the slider when the mould is in closed condition. The side cores are actuated to move along with detached runner / gate and ejector pin to align runner ejector pin with main ejector pin on the mould frame to eject runner and gate from movable side cores. The runner ejector pin returns to its position with the help of loaded spring when the main ejector pin moves back after completing ejection cycle to ensure entire repeated moulding cycles with automated run.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1049/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SHIELDING OF FLUX SHIFT DEVICE

(51) International classification	:H01F 27/36	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DEEPAK OCHAN</b>
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 various embodiments of the present invention provide a shield for a Flux Shift Device (FSD). The shield comprising a sheet metal and an insulation material placed on the sheet metal. The shield is provided with a preset profile to enclose the FSD such that the shield encounters an electromagnetic flux during a short circuit from a current path to the FSD thereby preventing the electromagnetic flux to reach the FSD. The shield protects the magnetic circuit and permanent magnet of flux shift device from demagnetization. The shield also maintains the same compact size of flux shift device set in the release of circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1067/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : GEAR BOX ASSEMBLING PROCEDURE AND EQUIPMENT FOR PRESSING BEARINGS

(51) International classification	:F16H 57/02	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)GAVANDI SUDHIR S</b>
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 embodiments herein a gear box assembling process and equipment to avoid the bearing pressing load exerted on the lower half of the gear box assembly. The gearbox assembling equipment comprises a base structure having a fixture provided for mounting said gear box assembly. The base structure at its top portion includes a base plate, a bracket is slidably mounted below said base plate, a piston of an actuator is connected to said bracket to reciprocate said bracket over plurality of guides. A thrust plate is provided above said base plate. A plurality of suspenders is bolted to said thrust plate towards one end and other end of said plurality of suspenders includes a threaded coupler for coupling with shafts in said gearbox assembly. A plurality of sliding dollies is bolted below said bracket for pressing bearings on shaft during gearbox assembling process. While pressing the bearings on shafts the suspenders are firmly held up by the thrust plate to avoid the load exerted on the lower half cast.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1007/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MOUNTING AND ROTATING SYSTEM FOR WOUND PACK OF ELECTRIC MOTOR

(51) International classification	:H02K 21/10	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, 6TH FLOOR DR. ANNIE BESANT ROAD, WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)EKNATH RAMDAS BHUJBAL</b>
(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 :

Device for holding the stator body of an AC motor. The device (1) comprises a base (4) having a locating recess (5) at the bottom adapted to locate the base on the chuck of a vertical turret lathe machine and atleast one pair of a tapered spigot aligning portion (6a, 6b, 6c) and a spigot locating surface (7a, 7b, 7c) with a common centre line passing therethrough. The spigot locating surface is at the foot of the spigot aligning portion. The base further has mounting means (8) for mounting the base on the chuck of the lathe machine, levelling means (10,11) for maintaining the level of the stator body (2) when located against the spigot aligning portion or spigot locating surface and handling means (9) to facilitate handling of the base

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1045/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : COMPRESSION MOULD FOR CONDUCTORS IN ELECTRICAL ASSEMBLIES

(51) International classification	:H01F 29/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)NILESH K SAWAI</b>
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 various embodiments of the present invention provide a compression molding for conductor parts in electrical assemblies. The compression mould comprising a tool cavity, a first insert placed in the tool cavity, a pre-moulded insert coupled to the at least one insert, a second insert placed on the pre-moulded insert and a charge. The charge is arranged on at least one of the first insert, the pre-moulded insert and the second insert to provide compact one piece component. The present invention offers the option of moulding multiple conducting parts with close tolerances and spacing and providing higher insulation strength by maintaining the desired spacing between the two parts.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1046/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : LEAK PREVENTION ARRANGEMENT FOR INJECTION MOULDING MACHINES

(51) International classification	:B22D 17/28	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SANTOSH D SHINDE</b>
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 various embodiments of the present invention provide an arrangement to prevent material leakage from a mould in an injection moulding machine assembly. The arrangement comprises two halves of cold manifolds plates and at least one sleeve. The sleeves are manufactured with preset tolerance to interlock two halves of manifold plates such that a leakage of a mould material is prevented. The two halves of cold manifolds are interlocked with each other with the help of these sleeves and clamped by Allen bolts. The sleeve has a tight fit with respect to positional matching blind holes in manifold plates. The tight fit between the sleeves and manifold plates acts as a barrier to the material from entering into the thread clearances or the clear hole for clamping bolt.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1083/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN ELECTRICAL GRADE SHRINKAGE RESISTANT CASTING COMPOSITION AND PROCESS FOR PREPARING THE SAME

(51) International classification	:H01B 3/44	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JAISWAL RAJENDRA GULABCHAND</b>
(87) International Publication No	: NA	<b>2)CHAUDHARI LOKESH KISAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SINGAL VIVEK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electrical grade shrinkage resistant casting composition. The composition comprises 0.05 % to 1 % by weight of modified clay mixed with 15% to 55 % by weight of an unsaturated polyester resin and 40% to 80% by weight of silica powder, in combination with 0.1% to 0.4 % by weight of compatibilizing agent and 0.5% to 1.5% by weight of reactive diluent, and optionally, 8% to 18 % by weight of additives. The invention also relates to a process for preparing the composition and to electrical equipment encapsulated and/or impregnated with the composition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1053/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMPROVEMENT IS POWER GENERATION USING SPRING ENGINE

(51) International classification	:H02J 9/00	(71) <b>Name of Applicant :</b> <b>1)AMIT PRAVIN SOMAIYA</b> Address of Applicant :A-10, PLOT NO 190, VAKRATUND SOCIETY, BORIVLI (W) MUMBAI (91) Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)AMIT PRAVIN SOMAIYA</b>
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 includes a set of springs, a input unit, output unit &, control nit. A input unit can be any engine like electric motor, petrol engine or diesel engine. Input device will give a calculated round of X[X depends on the requirement] HP to all springs, All charged springs are connected to a set of gears, A Output unit. Output unit will increase the number of rounds coming from caged springs. The increasing rounds can be connected to an alternator to generate electricity or to a flywheel of a vehicle to get better mileage with less pollution.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1064/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL EXHAUST MUFFLER INTERNAL STRUCTURE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01N 3/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI-400 001. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SACHIN WAGH</b> <b>2)GANESH IYER</b> <b>3)SAURABH SHUKLA</b> <b>4)SOMNATH SEN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention discloses novel exhaust muffler internal structure for attenuation of typical low frequency pulsating noise of an internal combustion engine. The said muffler structure is capable of reducing both low frequency as well as high frequency noise effectively. The present muffler structure comprises; at least two halves each having at least two shell or layers forming inner and outer shell joined together to constitute muffler housing ; plurality of non perforated hollow cylindrical members 1,4,5,6 having varying length; at least one perforated hollow cylindrical member 8; at least two non perforated baffle plates 2,3 joined to said inner shell for providing support to said hollow cylindrical members and constituting of at least three compartments, one reflection and two expansion chamber within said muffler housing; sound absorbing material 7 disposed around said perforated hollow cylindrical member 8; splittable cylindrical shell 9, covers said sound absorbing material 7 on said hollow cylindrical member 8, for absorption to reduce the high frequency noise produced by the gases. Exhaust gas from exhaust manifold of engine is subjected to expansion, reflection and absorption process in the muffler. The volume of the expansion and reflection chambers can be varied by changing the position of baffle plate to cater to the required ranges of frequency. The present invention integrates the pre silencer, main silencer, post silencer into a single silencer package which performs all desired function of pre silencer, main silencer and post silencer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1086/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : BRUSHLESS DC MOTOR DRIVEN CEILING FAN

(51) International classification	:H02P 7/06	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ALAKKAL KIZHAKKETHIL SIVADAS</b>
(87) International Publication No	: NA	<b>2)JAISHANKAR SIDHANAND NIRODY</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Brushless DC motor driven ceiling fan. The fan (1) comprises a motor housing (2) formed of a top end shield (3) and a bottom end shield (4) fixed together and a hollow fan shaft (15) extending into the motor housing with the bottom end shield and top end shield rotatably mounted to the fan shaft. A plurality of fan blades (13) are mounted to the top end shield in radially spaced apart relationship with one another. A rotor (18) is disposed within the motor housing and mounted to the top end shield. The rotor comprises a plurality of permanent magnets (19). A wound stator (20) disposed within the rotor describing a clearance with the rotor and mounted to the lower end of the motor shaft. An electronic controller comprising a printed circuit board (25) is disposed outside the motor housing and fitted to the fan shaft. Hall sensors (27) for sensing rotor poles are mounted at the bottom surface of the printed circuit board. A magnetic sensor (28) is disposed directly below the hall sensors and mounted on the outer surface of the top end shield. The magnetic sensor is a replica of the rotor and comprises a plurality of equal number of permanent magnets (29) corresponding to the rotor magnets. The stator winding is connected to the electronic controller by lead wires (30) extending through the shaft and the electronic controller is connected to a power supply through lead wires (33). An enclosure (35) is provided for the printed circuit board and mounted to the fan shaft

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1068/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CONTROLLING DUMMY KINEMATICS TO IMPROVE PERFORMANCE OF THE SUPPLEMENTARY RESTRAINT SYSTEM AIRBAGS

(51) International classification	:B60R 21/34	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)MR.SANJAY APTE</b> <b>2)MUSAIB MOMIM</b> <b>3)D S VENU</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a mechanism to control the dummy kinematics in vehicles with supplementary restraint system airbags. The mechanism comprises of a floating connection between a chassis frame and a vehicle body. The mechanism includes a seat back rest, a seat cushion and an inboard seat mounting bracket. An inboard seat mounting bracket is connected to a vehicle floor. A weld nut is welded to a U bracket and this assembly is further welded to an L support bracket. The U bracket and L support bracket assembly is then welded to the vehicle floor. The whole arrangement summarized above is referred as the vehicle body. The L support bracket is welded to the chassis frame. The mechanism avoids the driver and co-driver seats from bending towards outboard side of the vehicle during the offset deformable barrier crash.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1090/MUM/2010 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : A TESTING DEVICE FOR TESTING PERFORMANCE OF A ROTOR UNDER DYNAMIC CONDITIONS

(51) International classification	:G01M 15/02	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)KAMBLE DEEPAK GAJANAN</b>
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 testing device (100) for testing performance of a rotor (130) under dynamic conditions comprises a base (102), a pair of upstanding fixed plates (104, 106) mounted to the base (102) and positioned in spaced apart relationship with each other, a rotor housing (112) mounted to one of the fixed plates (104, 106) for rotation about a horizontal axis and having its inner surface (118) adapted to removably hold the rotor (122), a locking means (132) locking the rotor (130) in the rotor housing (112), an upstanding slidable plate (138) for mounting a stator (148) and an electronic controller (154) connected to the stator (148), the slidable plate (138) adapted to describe guided forward and backward linear movement between the fixed plates (104, 106), and a guiding device (140) mounted to other of the fixed plates (104, 106) and connected to the slidable plate (138) to linearly move the slidable plate (138) and the stator (148) forward and backward.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1092/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A SOLID CAST RESIN COIL FOR TRANSFORMERS WITH AN IMPROVED INSULATING LAYOUT TO FACILITATE UNIFORM RESIN FLOW DURING THE IMPREGNATION PROCESS

(51) International classification	:H01F 27/30	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE,Dr ANNIE BESANT ROAD, WORLI,MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)LOBO ANTHONY</b> <b>2)VENKATASAMI ATHIKKAN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A solid cast resin coil for a transformer is provided comprising a winding structure formed of a first plurality of insulating layers interspersed with two conductor electrodes in radially spaced apart relationship and impregnated with a resin under gravity. The outermost insulating layer of the first plurality of insulating layers is a fiber glass mat consists of interleaved horizontal and vertical fiber glass strips sandwiched between two layers of nomex paper, the vertical strips aligned to the vertical central axis of the solid cast resin coil and allowing a uniform flow of the resin during impregnation along the fiber glass mat.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2011

(21) Application No.1172/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PROCESS FOR PREPARING FESOTERODINE

(51) International classification	:C07B57/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

**(71)Name of Applicant :**

**1)Alembic Pharmaceuticals Ltd.**

Address of Applicant :Alembic Research Centre Alembic  
Pharmaceuticals Limited Alembic Road Vadodara-390003  
Gujarat India

**(72)Name of Inventor :**

- 1)RAMAN Jayaraman Venkat**
- 2)PATEL Samir**
- 3)THAKOR Indrajit**
- 4)LADANI Mahesh**
- 5)PATIL Chetan**
- 6)PATEL Ronak**
- 7)RAVAL Prashant**
- 8)PAREKH Viral**
- 9)SHAH Hiral**

**(57) Abstract :**

The present invention relates to an improved process for the preparation of Fesoterodine and pharmaceutically acceptable salts thereof. The present invention particularly relates to a process for the preparation of fesoterodine and pharmaceutically acceptable salts thereof which involves use and preparation of R(-) benzyl tolterodine and fumarate salt of R(+)-[4-benzyloxy-3-(3-diisopropylamino-l-phenylpropyl)-phenyl]-methanol.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2010

(21) Application No.1115/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DELAYED CURRENT LIMITING CONTACT SYSTEM FOR A SWITCHING DEVICE

(51) International classification	:H01H 47/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TURBO LIMITED</b> Address of Applicant :L & T HOUSE, BALLARD ESATE, P.O. BOX NO. 278, MUMBAI 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)RAJESH KUMAR PANDA</b>
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 various embodiments of the present invention provide a current limiting contact assembly with moving contact made out of composite material, which offers uneven magnetic and thermal behaviour at different levels of fault current. The moving contact structure for a delayed current limiting contact assembly for a switching device, the structure comprises a first nickel titanium alloy layer, a first diamagnetic material layer arranged over the first nickel titanium alloy layer, a ferromagnetic material layer arranged over the first diamagnetic material layer, a second diamagnetic material layer arranged over the ferromagnetic material layer and a second nickel titanium alloy layer arranged over the second diamagnetic material layer to provide a delay in limiting a current. The first nickel titanium alloy layer and the second nickel titanium alloy layer includes Nickel(Ni). Titanium, Carbon. Hydrogen, Oxygen, Iron, a ferromagnetic material and other trace elements.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2010

(21) Application No.1116/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SAFETY LOCKING ARRANGEMENT FOR A SWITCHING DEVICE

(51) International classification	:B60Q 1/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TURBO LIMITED</b> Address of Applicant :L & T HOUSE, BALLARD ESATE, P.O. BOX NO. 278, MUMBAI 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)KASIF SHEIKH</b> <b>2)PRAKEET SINGH SHUBHO SANYAL</b>
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 various embodiments of the present invention provide a safety locking arrangement for a switching device. The assembly comprises a first side plate, a second side plate, a motor arranged on the first side plate, a gearing system connected to the motor, a knob driving mechanism, a padlock mechanism, a slider rest fixed to the first side plate and the second side plate, a slider mounted on the slider rest and a micro-switch mounted on the slide rest. The knob driving mechanism includes a knob holder and a knob mounted between the first side plate and the second side plate. The slider is provided with one or more protruded stoppers to prevent the vertical push of the knobs when the slider is in auto mode and a stepped protruded portion to actuates the micro switch and discontinue the electrical power flow to the switching device in manual mode.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2010

(21) Application No.1127/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FAULT MANAGEMENT SYSTEM

(51) International classification	:G06F 21/00	(71) <b>Name of Applicant :</b> <b>1)Tata TeleServices Limited</b> Address of Applicant :Voltas Premises T.N. Kadam Marg A E & F Block Chinchpokli Mumbai 400 033 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Jigar Ruparelia</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a Fault management system. The Fault management system comprises an alarm receiving unit, a processing unit, a first storage unit, and a second storage unit. The alarm receiving unit captures one or more alarms received at its input terminal. The processing unit is coupled to the alarm receiving unit for processing the received alarms and then storing alarm name and other required information in the First storage unit. The second storage unit comprises one or more reference tables. The reference table has Alarm Names and their Original Severity Information based on the information provided by the Vendor for their Equipment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/04/2010

(21) Application No.1149/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CALCIUM CONTAINING ORAL COMPOSITIONS

(51) International classification	:A61K 8/00	(71) <b>Name of Applicant :</b> <b>1)INVENTIA HEALTHCARE PRIVATE LIMITED</b> Address of Applicant :UNIT NO. S-4, KHIRA INDUSTRIAL ESTATE, B.M.BHARGAVA ROAD, SANTACRUZ WEST, MUMBAI 400054, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JAISWAL SUNIL BEHARILAL</b>
(87) International Publication No	: NA	<b>2)SHAH ANKUR JANAK</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHAJAHAN ABDUL</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

NA

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/04/2010

(21) Application No.1181/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL GASTRO-RETENTIVE DELIVERY OF MACROLIDE

(51) International classification	:A61K 9/20	(71) <b>Name of Applicant :</b> <b>1)FDC LIMITED</b> Address of Applicant :142-48, S.V Road, Jogeshwari(West), Mumbai-400 102, MAHARASHTRA, INDIA.
(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	

(57) Abstract :

Disclosed herein is a novel gastroretentive delivery system of macrolide consisting of a hydrophilic swellable floating matrix system either alone or in combination with a bioadhesive system, which comprises super-disintegrants together with hydrophilic polymers and in-situ gelling agents to improve the gastroretention of dosage forms.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1098/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INSULIN COMPOSITION

(51) International classification	:A61K 38/00	(71) <b>Name of Applicant :</b> <b>1)WOCKHARDT RESEARCH CENTRE</b> Address of Applicant :D-4 MIDC INDUSTRIAL AREA CHIKALTHANA AURANGABAD - 431210 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JEETENDRA KASHINATH AMBULGE</b>
(87) International Publication No	: NA	<b>2)DATTATRYA APPARAO SAVANT</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GAURAVKUMAR RAMANLAL AGRAWAL</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides an a pharmaceutical composition for transdermal or transmucosal administration comprising insulin, insulin analogues or derivatives, an effective amount of herbal oil and one or more surfactant or polymeric ingredient optionally along with one or more pharmaceutically acceptable excipients for treating diabetic disorders.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1099/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MODIFIED RELEASE DOSAGE FORM COMPRISING DESVENLAFAXINE OR SALTS THEREOF

(51) International classification	:A61K 31/000, C07C 213/00	(71) <b>Name of Applicant :</b> <b>1)WOCKHARDT RESEARCH CENTRE</b> Address of Applicant :D-4 MIDC INDUSTRIAL AREA CHIKALTHANA AURANGABAD - 431210 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Premchand Dalichandji Nakhat</b>
(87) International Publication No	: NA	<b>2)Girish Kumar Jain</b>
(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 modified release pharmaceutical composition comprising desvenlafaxine or salts thereof, a release rate modifying system that controls the release of active agent(s) in both acidic and basic environments. A process of making and method of using the above-described composition is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2010

(21) Application No.1163/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : RHIZOBACTERIAL COMPOSITION FOR REGENERATION OF WASTELANDS

(51) International classification	:A01N 63/00	(71) <b>Name of Applicant :</b> <b>1)BP ALTERNATIVE ENERGY INTERNATIONAL LIMITED</b> Address of Applicant :CHERTSEY ROAD SUNBURY ON THAMES, MIDDLESEX, TW16 7BP, UNITED KINGDOM.
(31) Priority Document No	:NA	<b>2)GUJARAT UNIVERSITY</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SARAF MEENU</b>
(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 consortium of at least two rhizobacteria for promoting growth of Jatropha spp. plants. The invention also relates to a process of preparing the consortium of at least two rhizobacteria and a composition comprising the consortium of at least two rhizobacteria. The invention further relates to a process of seed bacterization and a process of preparing bio-fuels.

No. of Pages : 28 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/04/2010

(21) Application No.1176/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF AN INTERMEDIATE OF PALIPERIDONE

(51) International classification	:C07D 471/04	(71) <b>Name of Applicant :</b> <b>1)UNICHEM LABORATORIES LIMITED</b> Address of Applicant :UNICHEM BHAVAN, PRABHAT ESTATE, OFF S.V. ROAD, JOGESHWARI (W), MUMBAI-400 102, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. AJIT MADHUKAR BHOBE</b>
(87) International Publication No	: NA	<b>2)DR. JAGANNATH BHAGAWANRAO LAMTURE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DR. YASHBIR SINGH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an improved process for the synthesis of 3-(2-chloroethyl)-6,7,8,9-tetrahydro-2-methyJ-9-hydroxy-4H-pyrido[1,2-a]pyrimidine-4-one (CMHTP), an intermediate in the synthesis of Paliperidone and also a method for the synthesis of pure Paliperidone.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2010

(21) Application No.1189/MUM/2010 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF AMINOINDANE COMPOUND

(51) International classification	:C07C 271/24, C07C 271/36	(71) <b>Name of Applicant :</b> <b>1)INDOCO REMEDIES LIMITED</b> Address of Applicant :INDOCO HOUSE, 166 C.S.T. ROAD, SANTACRUZ (EAST),MUMBAI-400 098, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)RAJADHYAKSHA, MANGESH NARAYAN</b>
(33) Name of priority country	:NA	<b>2)NAIR, RANJEET</b>
(86) International Application No	:NA	<b>3)SHRIGADI, NILESH BALKRISHNA</b>
Filing Date	:NA	<b>4)PANANDIKAR, ADITI MILIND</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein is a process for the preparation of (R)-N-propargyl-l-aminoindane of Formula - I and its pharmaceutically acceptable salt; .comprising a step of reacting (R) -1 -aminoindane of Formula - II with propargyl derivative of Formula - III wherein x = Cl, Br and - ORj; and Rj = mesyl, tosyl, p - methoxybenzensulfonyl, benzenesulfonyl, o- or p - nitrobenzenesulfonyl; in presence of catalyst and non - polar solvent to yield (R)-N-propargyl-l-aminoindane of Formula-1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2010

(21) Application No.1210/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING IRBESARTAN.

(51) International classification	:A61K 31/00, A61K 9/16	(71) <b>Name of Applicant :</b> <b>1)MICRO LABS LIMITED</b> Address of Applicant :CTS NO. 73, SAKI ESTATE, OFF CHANDIVALI ROAD, CHANDIVALI, KURLA (W), MUMBAI 400 072, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SURVE PRADEEP G.</b>
(33) Name of priority country	:NA	<b>2)MANDPE PANKAJ S.</b>
(86) International Application No	:NA	<b>3)ALANA IMRAN Y.</b>
Filing Date	:NA	<b>4)SHIVPUJE VIJAYKUMAR K.</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a pharmaceutical composition comprising Irbesartan.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2010

(21) Application No.1211/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR PREPARING SUSTAINED RELEASE PHARMACEUTICAL COMPOSITION COMPRISING SODIUM VALPROATE AND VALPROIC ACID .

(51) International classification	:A61K 31/21	(71) <b>Name of Applicant :</b> <b>1)MICRO LABS LIMITED</b> Address of Applicant :CTS NO. 73, SAKI ESTATE, OFF CHANDIVALI ROAD, CHANDIVALI, KURLA (W), MUMBAI 400 072, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SURVE PRADEEP G.</b> <b>2)MANDPE PANKAJ S.</b> <b>3)DR. PATIL JAIDEEP T.</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

There is provided a process for preparing sustained release pharmaceutical composition comprising Sodium Valproate and valproic acid.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/04/2010

(21) Application No.1247/MUM/2010 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : NEW METHODS FOR THE PREPARTION OF DULOXETINE HYDROCHLORIDE AND INTERMEDIATES THEREOF

(51) International classification	:C07D 333/00	(71)Name of Applicant : <b>1)WANBURY LIMITED</b> Address of Applicant :B-WING, 10th FLOOR, BSEL TECH PARK, SECTOR 30 A, PLOT NO.39/5 & 39/5A, OPP. VASHI RAILWAY STATION, NAVI- MUMBAI-400 703, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72)Name of Inventor : <b>1)SANGANABHATLA SHANKAR</b> <b>2)KULKARNIGURUPRASAD MANOHAR</b> <b>3)SHINDE, MAHADEV SUKADEO</b> <b>4)GHAN JIVAN BHALACHANDRA</b> <b>5)PATIL LALIT NIMBA</b> <b>6)KALE GANESH VILAS</b> <b>7)POTLA SRINIVASA RAO</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention discloses novel synthetic processes involving Hecks coupling reaction of 2-sinstituted thiophene with Heck alkene acceptor such as suitably substituted amide or N-substituted allyl amine or N-methyl acrylamide which is optionally hydrated or acetylated and further subjected to Michael addition of 1-naphthol or alternately with Mannich adduct in Prins fashion to obtain duloxetine. Also disclosed herein are the novel intermediate compounds of formula IV, V VII, XII and XIII useful for the preparation of duloxetine. The present invention also describes Mannich reaction of methylamine -tartaric acid salt, paraformaldehyde and 2- substituted thiophene to obtain intermediate XIV useful to prepare duloxetine.

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/04/2010

(21) Application No.1248/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TRANSNASAL MICROEMULSION CONTAINING PALIPERIDONE

(51) International classification	:A61K 9/00, C07D 471/04	(71) <b>Name of Applicant :</b> <b>1)PATEL RASHMIN BHARATBHAI</b> Address of Applicant :A. R. COLLEGE OF PHARMACY & G.H. PATEL INSTITUTE OF PHARMACY, V.V. NAGAR-388 120. Gujarat India <b>2)PATEL MRUNALI RASHMIN</b> <b>3)BHATT KASHYAP KANAIYALAL</b> <b>4)PATEL BHARTKUMAR GORDHANBHAI</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)PATEL RASHMIN BHARATBHAI</b> <b>2)PATEL MRUNALI RASHMIN</b> <b>3)BHATT KASHYAP KANAIYALAL</b> <b>4)PATEL BHARTKUMAR GORDHANBHAI</b>
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 pharmaceutical composition in the form of microemulsion comprising paliperidone or pharmaceutically acceptable sail thereof as the active substance, having advantageous properties in terms of high solubility of drug, higher mucoadhesive potential, higher diffusion tendency of paliperidone through nasal mucosa, low nasal irritation potential, attaining an effective brain concentration, targeting the receptor site and bypasses the blood-brain barrier, prevent the availability of drug at non-targeting sites and reducing the side effects and perhaps even the cost of the therapy. The present microemulsions are aqueous base formulation containing fatty acid, water, blend of hydrophilic surfactants, co-surfactant and a polyelectrolyte polymer. The present microemulsion formulations are particularly suitable for intranasal administration of paliperidone to rapidly control agitation and disturbed behaviors in patients with schizophrenia or manic episodes when oral therapy is inappropriate.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/04/2010

(21) Application No.1271/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : 'ENERGY INTEGRATION IN AMINE BASED GAS SWEETENING PROCESS.

(51) International classification	:C10L 3/00	(71) <b>Name of Applicant :</b> <b>1)OIL AND NATURAL GAS CORPORATION LTD.</b> Address of Applicant :IOGPT, PHASE-II, PANVEL -410221, NAVI MUMBAI, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)RAJESH KUMAR SINGH</b>
Filing Date	:NA	<b>2)J. N. SUKANANDAN</b>
(87) International Publication No	:N/A	<b>3)A. K. FOTEDAR</b>
(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 integrated heating system for preventing hydrocarbon condensation occurring at the inlet in Gas Sweetening Unit of an onshore oil and gas treating facilities. The hot lean amine solution from the regenerating column is hot which will heat the inlet sour gas and thereby avoid the hydrocarbon condensation. This energy integrated scheme will also reduce the cooling water circulation rate of the gas treating plant by around 300 m3/hr per train.

No. of Pages : 15 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2010

(21) Application No.1285/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL FUNGICIDAL FORMULATION FOR TREATMENT OF ORGANIC MATERIALS

(51) International classification	:A01N 43/00	(71) <b>Name of Applicant :</b> <b>1)MR. AJAY SABOO</b> Address of Applicant :902, NANDADEVI, NEELKANTH VALLEY, RAJAWADI ROAD NO. 7, GHATKOPAR (EAST), MUMBAI 400 077, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MR. AJAY SABOO</b>
(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 homogenous fungicidal formulation for treating organic substrates such as leather, rubber or wood. The formulation can be deployed at any or all the stages during the processing the substrate ensuring better protection for the substrate. The formulation comprises a fungicide belonging to the family of nitrated phenols, one or more monocarboxylic organic acid or its salt and a chelating agent capable of forming soluble metal complexes. All the constituents are combined in synergistic fungicidally effective proportions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/04/2010

(21) Application No.1193/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ZINC CHLORIDE PRETREATMENT OF MICROCRYSTALLINE CELLULOSE FOR PREPARATION OF NANOCELLULOSE BY HOMOGENIZATION PROCESS

(51) International classification	:A61K 31/715	(71) <b>Name of Applicant :</b> <b>1)CENTRAL INSTITUTE FOR REASERCH ON COTTON TECHNOLOGY</b> Address of Applicant :ADENWALA ROAD, MATUNGA, MUMBAI-400 019, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)ASHOK KUMAR BHARIMALLA</b> <b>2)VIGNESHWARAN NADANATHANGAM</b> <b>3)VILAS SHAMRAO KARANDE</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A process for preparation of nanocellulose from macrocrystalline cellulose (MCC) by homogenization process is established. The MCC was prepared from the cotton fibres / cotton linters by traditional hydrochloric acid hydrolysis (4N concentration) process and treated with zinc chloride (70%) for 2 hours for swelling. After swelling, the MCC was completely rinsed in water and subjected to homogenization process up to 40,000 psi (276 MPa) pressure. The untreated MCC required ten passes for complete conversion to nanocellulose while zinc chloride pretreated MCC required only five passes for complete conversion. The size of nanocellulose was analyzed by scanning electron microscopy. The average length and thickness of nanocellulose were less than 500 and 50 nm, respectively as analyzed by scanning electron microscopy. The said invention is the zinc chloride pretreatment of MCC and subjects the same to homogenization up to 40,000 psi (276 MPa) pressure for preparation of nanocellulose. The yield of nanocellulose was estimated to be more than 95% of the MCC.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/04/2010

(21) Application No.1238/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR THE PURIFICATION OF TETRAZOLYLBENZOPYRANONES

(51) International classification	:C07D 311/04	(71) <b>Name of Applicant :</b> <b>1)CADILA PHARMACEUTICALS LTD</b> Address of Applicant :CADILA PHARMACEUTICALS LTD CADILA CORPORATE CAMPUS, SARKHEJ - DHOLKA ROAD, BHAT, AHMEDABAD - 382210, Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)KHAMAR BAKULESH MAFATLAL</b> <b>2)BHATT ACHYUT PRAVINBHAI</b> <b>3)PARIKH SANJAY NATVARLAL</b> <b>4)SHARMA ARUN OMPRAKASH</b> <b>5)BAPAT UDAY RAJARAM</b> <b>6)MODI INDRAVADAN AMBALAL</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a process for the preparation of pranlukast substantially free of brominated impurities.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/04/2010

(21) Application No.1296/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITION

(51) International classification	:A61K 31/536	(71) <b>Name of Applicant :</b> <b>1)CIPLA LIMITED</b> Address of Applicant :289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI - 400 008, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)LULLA, AMAR</b>
(87) International Publication No	:N/A	<b>2)MALHOTRA GEENA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pharmaceutical composition comprising efavirenz wherein the efavirenz is in the form of nanoparticles.

No. of Pages : 23 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/04/2010

(21) Application No.1305/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF AMORPHOUS OXYBUTYNIN CHLORIDE

(51) International classification	:C07C 217/00	(71) <b>Name of Applicant :</b> <b>1)WOCKHARDT RESEARCH CENTRE</b> Address of Applicant :D-4 MIDC INDUSTRIAL AREA CHIKALTHANA AURANGABAD - 431210 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Mohammad Rafeeq</b>
(87) International Publication No	: NA	<b>2)Rohit Kumar Sinha</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Faim Amin Patel</b>
Filing Date	:NA	<b>4)Keshav Deo</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for the preparation of amorphous oxybutynin chloride. The process involves the use of non-polar solvent, polar aprotic and mixtures thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2010

(21) Application No.1321/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF AMORPHOUS FORM OF PITAVASTATIN CALCIUM

(51) International classification	:C07D 215/14	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :B-501, GREAT EASTERN SUMMIT, PLOT NO.-66, SECTOR 15, CBD BELAPUR, NAVI MUMBAI- 400 614, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SIVA KUMAR VENKATA BOBBA</b> <b>2)ESHWARA RAO KODALI</b> <b>3)GIRISH BANSILAL PATEL</b> <b>4)SANJAY DASHRATH VIDYA</b> <b>5)ALOK PRAMOD TRIPATHI</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention provides an improved process for the preparation of amorphous form of pitavastatin calcium.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2010

(21) Application No.1336/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL PROCESS FOR RIZATRIPTAN AND ITS PHARMACEUTICALLY ACCEPTED SALTS

(51) International classification	:A61K 31/4196, C07D 403/00	(71) <b>Name of Applicant :</b> <b>1)MACLEODS PHARMACEUTICALS LIMITED</b> Address of Applicant :304 - ATLANTA ARCADE, OPP. LEELA HOTEL, MAROL CHURCH ROAD, ANDHERI (EAST), MUMBAI - 400 059 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)AGARWAL RAJENDRA MURLIDHAR</b>
(33) Name of priority country	:NA	<b>2)P. PRATAP REDDY</b>
(86) International Application No	:NA	<b>3)BISWAS MALOYESH</b>
Filing Date	:NA	<b>4)VALLU VENKATESWARA RAO</b>
(87) International Publication No	:N/A	<b>5)SHRINIWAS PADMATA</b>
(61) Patent of Addition to Application Number	:NA	<b>6)NAUKUDKAR BASWANI</b>
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 Rizatriptan and its pharmaceutically acceptable salts by reacting 4-(IH-1, 2, 4-triazole-1-yl methyl) phenyl hydrazine dihydrochloride with 4-N, N -dimethylamino-butyraldehyde diethyl acetal and purifying by using neutral alumina.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.1359/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL PROCESS FOR THE PREPARATION OF BEPOTASTINE AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO.-66, SECTOR-15, CBD BELAPUR, NAVI MUMBAI- 400 614, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)SIVA KUMAR VENKATA BOBBA</b> <b>2)ESWARA RAO KODALI</b> <b>3)ALOK PRAMOD TRIPATHI</b> <b>4)SANJAY DASHRATH VAIDYA</b> <b>5)GIRISH BANSILAL PATEL</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A process for the preparation of bepotastine and its pharmaceutically acceptable salts thereof comprising: alkylating piperidine compound of structural formula VIII; hydrolyzing the resulting compound of structural formula IX into compound of structural formula X and then converting compound of structural formula X into bepotastine compound of structural formula I and its pharmaceutically acceptable salts thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1036/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AROMA-AND-FLAVOR RETENTIVE ORGANIC COMPOSITION, COATED PRODUCT AND PROCESS FOR COATING SUBSTRATES WITH SPICES DISPERSED WITHIN THE SAID ORGANIC COMPOSITION.

(51) International classification	:A23L 1/36	(71) <b>Name of Applicant :</b> <b>1)VENTURES INTERNATIONAL</b> Address of Applicant :1A,BLOCK C,STERLING SHAMBHU,12, NSK LANE,VIRUBAGAMBAKKAM, CHENNAI-600092 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	<b>2)BAIF DEVELOPMENT RESEARCH FOUNDATION</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number Filing Date	:NA	<b>1)P. SURIANARAYANAN</b>
(62) Divisional to Application Number Filing Date	:NA	

---

(57) Abstract :

Disclosed herein is formulation of a coating composition and process for preparing dry roasted spice-coated nuts wherein a uniform thin layer of spices / seasonings is resulted onto nuts with help of said coating formulation. Inventive coating formulation and coating process produces nuts exhibiting increased uniformity of coating, maintenance of natural flavor of seasonings, enhanced coating adhesion, crispiness and reduced clumping or sticking.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2010

(21) Application No.1037/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AROMA-AND-FLAVOR RETENTIVE ORGANIC COMPOSITION, COATED PRODUCT AND PROCESS FOR COATING SUBSTRATES WITH LIQUID FLAVORS DISPERSED WITHIN THE SAID ORGANIC COMPOSITION.

(51) International classification	:A23L 1/36	(71) <b>Name of Applicant :</b> <b>1)VENTURES INTERNATIONAL</b> Address of Applicant :1A, BLOCK C,STERLING SHAMBHU,12, NSK LANE,VIRUBAGAMBAKKAM, CHENNAI-600092 Tamil Nadu India
(31) Priority Document No	:NA	<b>2)BAIF DEVELOPMENT RESEARCH FOUNDATION</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)P. SURIANARAYANAN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein is formulation of a coating composition and process for preparing dry roasted honey/ fruit pulp-coated nuts wherein a uniform thin layer of liquid flavoring is resulted onto nuts with help of said coating formulation. Inventive coating formulation and coating process produces nuts exhibiting increased uniformity of coating, maintenance of natural flavor of seasonings, enhanced coating adhesion, crispiness and reduced clumping or sticking.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2010

(21) Application No.1110/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CUT OFF PUNCH CONSTRUCTION IN PROGRESSIVE DIE

(51) International classification	:B21D 13/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TURBO LIMITED</b> Address of Applicant :L & T HOUSE, BALLARD ESATE, P.O. BOX NO. 278, MUMBAI, 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)AMAN P GOEL</b>
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 cut off punch assembly for use in progressive die. The assembly comprises a cut off punch means or blade means (101), a bending punch means (102) comprises a slot means adapted to guide and/or support the cut off punch means (101), a blade holder means (103) comprises a substantially L! shaped block means and a guiding slot-I means adapted to accommodate the cut off punch means or blade means (101), a holder block means (104) comprises a substantially C shaped block means adapted to hold the blade holder means (103), a backing plate means (105) comprises a guiding stot-II means. The cut off punch means (101) being operatively arranged within the bending punch means (102) and the cut off punch means (101) being operatively located therebetween bending punch means (102), backing plate means (105), blade holder means (103) such that during a downward stroke of a tool, coil cutting and bending is done simultaneously due to the cut off punch means (101) and bending punch means (102) which are operatively arranged with each other.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2010

(21) Application No.1588/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL EXTENDED RELEASE BILAYER, MATRIX TABLET OF FUROSEMIDE

(51) International classification	:A61K 31/00, A61K 31/415	(71) <b>Name of Applicant :</b> <b>1)VAVIA PRADEEP RATILAL</b> Address of Applicant :DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA (EAST), MUMBAI 400 019 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)VAVIA PRADEEP RATILAL</b>
(33) Name of priority country	:NA	<b>2)WAWDHANE SHARAD RAGHUNATH</b>
(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) Abstract :

The present invention is directed to film coated, bilayer matrix tablet of furosemide for the extended release of furosemide.. The tablet comprises of two layers: one layer is of immediate release furosemide termed as loading dose layer and the second layer is extended release matrix layer of furosemide termed as maintenance dose layer. The bilayer tablets were coated with combination of pH responsive polymers in appropriate ratio.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/05/2010

(21) Application No.1466/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL LIQUID RECTAL SPRAY DOSAGE FORM CONTAINING DECLOFENAC AND ITS PHARMACEUTICALLY ACTIVE SALTS

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)LINCOLN PHARMACEUTICAL LIMITED</b> Address of Applicant :NIRAV COMPLEX, OPPOSITE NAVRANG HIGH SCHOOL, NARANPURA, AHMEDABAD - 380014, Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PATEL RAJNIKANT GULABDAS</b> <b>2)PATEL JIGAR HASMIKHBHAI</b> <b>3)SHAH ARUN CHIMANLAL</b> <b>4)PATEL HIREN MANHARBHAI</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Discloses a novel liquid rectal spray dosage form comprising Diclofenac or its pharmaceutically active salts, in unique blend of solvents and co-solvents, for the treatment of pre- and post-operative pain, gynecological surgery and musculoskeletal disorders such as muscular pain, pain associated with arthritis, acute pain in renal colic and mild body ache.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2010

(21) Application No.1555/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN ALUMINIUM-BASED ALLOY COMPOSITION, A METHOD OF MANUFACTURING ALUMINUM-BASED ALLOY CASTING, AND ARTICLE MANUFACTURED THEREOF□

(51) International classification	:C22C 21/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33)□Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:NA	<b>1)VIKAS SHINGADE</b> <b>2)HARIHARAN VENKATRAMAN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The disclosure relates to technology of castable aluminum alloys, more particularly relates to designing the aluminum alloy composition for enhanced mechanical properties by squeeze casting and heat treating the Aluminum alloy. The alloy composition comprising copper ranging from 1.5% w/w to 3.5% w/w, silicon ranging from 6% w/w to 12.0% w/w, iron ranging from 0.0 % w/w to 1.3% w/w, manganese ranging from 0.0 % w/w to 0.5% w/w, magnesium ranging from 0.0 % w/w to 0.3% w/w, zinc ranging from 0.0 % w/w to 1.0% w/w, and nickel ranging from 0.0 % w/w to 0.5% w/w. Further, provides for method of manufacturing an aluminum-based alloy casting of said composition, comprising acts of preparing molten metal from aforesaid composition, applying predetermined pressure onto die comprising the molten metal to squeeze cast the molten metal, and extracting the casting from the die and heat treating the casting to manufacture the casting.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2010

(21) Application No.1590/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INDUSTRIAL PROCESS FOR PREPARATION OF VALSARTAN

(51) International classification	:C07D 257/00	(71) <b>Name of Applicant :</b> <b>1)MACLEODS PHARMACEUTICALS LIMITED</b> Address of Applicant :304 - ATLANTA ARCADE, OPP. LEELA HOTEL, MAROL CHURCH ROAD, ANDHERI (EAST), MUMBAI - 400 059 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)AGARWAL RAJENDRA MURLIDHAR</b> <b>2)P. PRATAP REDDY</b> <b>3)BISWAS MALOYESH</b> <b>4)VALLU VENKATESWARA RAO</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides an improved process for the preparation of tetrazole of Valsartan by using catalytic amount of water in the reaction.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/05/2010

(21) Application No.1601/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF IVABRADINE

(51) International classification	:C07C 217/56, C07D 223/16	(71) <b>Name of Applicant :</b> <b>1)UNICHEM LABORATORIES LIMITED</b> Address of Applicant :UNICHEM BHAVAN, PRABHAT ESTATE, OFF. S. V. ROAD, JOGESHWARI(W), MUMBAI - 400 102. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DR. AJIT MADHUKAR BHOBE</b>
(33) Name of priority country	:NA	<b>2)DR. JAGANNATH BHAGAWANRAO LAMTURE</b>
(86) International Application No	:NA	<b>3)DR. MAUSAMI JAYESHKUMAR ASHARA</b>
Filing Date	:NA	<b>4)MR. MANOJKUMAR HIRACHAND MEMANE</b>
(87) International Publication No	:N/A	<b>5)MR. RAVINNDRA BHAUSAHEB PAGIRE</b>
(61) Patent of Addition to Application Number	:NA	<b>6)MR. DHARMESH GOVIND PANCHAL</b>
Filing Date	:NA	<b>7)MR. RUSHI DRUPADBHAI ADHVARYU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an improved process for the preparation of Ivabradine intermediate, (S)-7,8-Dimethoxy -3-{3-{N [(4,5-dimethoxybenzocyclobut-1-yl) methyl] -N- (methyl) amino} propyl}-1,3- dihydro-2H- 3-benzazepin -2- one of formula-IV, its oxalate salt of formula DC, and Ivabradine free base of formula-VIII.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1629/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IDENTIFICATION OF RIBOSOMAL DNA SEQUENCES

(51) International classification	:G06F 19/24	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR, NARIMAN POINT, MUMBAI-400 021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)MANDE SHARMILA S.</b> <b>2)HAQUE, MOHAMMED MONZOORUL</b> <b>3)GHOSH TARINI SHANKAR</b> <b>4)CHADARAM, SUDHA</b> <b>5)CHENNAREDDY, VENKATA SIVA KUMAR REDDY</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Method(s) for identifying rDNA sequences from a sample containing plurality of unknown DNA sequences are described herein. The method includes selecting one or more target clusters, from a plurality of reference clusters (165), corresponding to the query sequence. The target clusters are selected based on a composition based analysis. A proportion of probable rDNA clusters from the target clusters is identified. Based on the proportion of the probable rDNA clusters, the query sequence is identified as an rDNA.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1655/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMPROVED PROCESSES

(51) International classification	:C07D 487/00	(71) <b>Name of Applicant :</b> <b>1)MYLAN INDIA PRIVATE LIMITED</b> Address of Applicant :PLOT 1A/2, M.I.D.C. INDUSTRIAL ESTATE, TALOJA, PANVEL, DISTRICT RAIGAD, STATE OF MAHARASHTRA-410208, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)GORE, VINAYAK, GOVIND</b>
(87) International Publication No	: NA	<b>2)MANOJKUMAR, BINDU</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KOKANE, DATTATREY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the preparation of Dipyridamole.

No. of Pages : 25 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2010

(21) Application No.1330/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PROCESS FOR FRAGMENTATION OF POLYSACCHARIDES

---

(51) International classification	:C07K 14/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)Serum Institute of India Ltd.**

Address of Applicant :212/2 Off Soli Poonawalla Road  
Hadapsar Pune 411 028 MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)KAPRE Subhash Vinayak  
2)PISAL Sambhaji S.  
3)AVALASKAR Nikhil Dattatray**

(57) Abstract :

The present invention relates to the field of polysaccharide and polysaccharide protein conjugate vaccines, in particular to a novel, Reproducible and cost-effective size reduction method of polysaccharides by using a non-chemical method to yield fragments of desired size wherein desired structural features of the polysaccharides are retained.

No. of Pages : 85 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2010

(21) Application No.1360/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NON HYGROSCOPIC THERMODYNAMICALLY STABLE POLYMORPHIC FORM OF STRONTIUM RANELATE AND PROCESS FOR PREPARING THE SAME

(51) International classification

:C07D

333/38

(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

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ENALTEC LABS PRIVATE LIMITED**

Address of Applicant :B-501 GREAT EASTERN SUMMIT,  
PLOT NO.-66, SECTOR-15, CBD BELAPUR, NAVI MUMBAI-  
400 614, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)SIVA KUMAR VENKATA BOBBA**

**2)ESWARA RAO KODALI**

**3)ALOK PRAMOD TRIPATHI**

**4)SANJAY DASHRATH VAIDYA**

**5)GIRISH BANSILAL PATEL**

---

(57) Abstract :

The present invention provides non hygroscopic thermodynamically stable polymorphic form A of strontium ranelate.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/05/2010

(21) Application No.1552/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CALCIUM CITRATE MALATE SUSPENSION

(51) International classification	:A61K 33/06	(71) <b>Name of Applicant :</b> <b>1)FDC LIMITED</b> Address of Applicant :142-48, S V. ROAD, JOGESHWARI (W), MUMBAI-400 102, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)CHANDAVARKAR NANDAN MOHAN</b>
(33) Name of priority country	:NA	<b>2)JINDAL KOUR CHAND</b>
(86) International Application No	:NA	<b>3)ADARKAR SHARMILA MAYURESH</b>
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 :

Disclosed herein is a palatable liquid suspension formulation of calcium supplements for oral administration, comprising micronised calcium citrate malate, stabilized vitamin D3, thixotropic gel-forming agent(s), suspending agent(s) and other pharmaceutically acceptable excipients. The invention further relates to a process for preparation of the suspension having excellent suspendability.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2010

(21) Application No.1636/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NEW CARBOXAMIDINES AS ANTIPSYCHOTIC AGENTS

(51) International classification	:C07D 401/00	(71) <b>Name of Applicant :</b> <b>1)CHHABRIA MAHESH T.</b> Address of Applicant :402 SUDARSHAN APARTMENT, 13 SHANTINAGAR SOCIETY, ASHRAM ROAD, AHMEDABAD-380 013 Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1) CHHABRIA MAHESH T.</b>
(87) International Publication No	: NA	<b>2)TRIVEDI VISHRANTI DHAVAL</b>
(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 compounds of N,N-bis[(un)substituted phenyl]-4-methylipiperazine-]-carboxamidines series, of general formula (I), their derivatives, their analogs, their tautomeric forms, their stereoisomerism, their polymorphs, their pharmaceutically acceptable salts, their pharmaceutically acceptable solvates and pharmaceutically acceptable compositions containing them. The compound of general formula (I) exhibit Dopamine and serotonin 5-HT receptors inhibitory activity and are thus useful in therapy as antipsychotic agents whilst lacking, in terms of both toxicity and side effects.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/06/2010

(21) Application No.1679/MUM/2010 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DELAYED RELEASE ORAL DISINTEGRATING PHARMACEUTICAL COMPOSITIONS OF LANSOPRAZOLE AND ITS SALTS

(51) International classification	:A61K 31/4439	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :SARKHEJ-BAVLA N.H.NO. 8A, MORAIYA, TAL.SANAND, DIST.AHMEDABAD-382210, Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)ROY SUNILENDU BHUSHAN</b> <b>2)KULKARNI SUSRUT KRISHNAJI</b> <b>3)MAMANIA HEMANT MANILAL</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to delayed release oral disintegrating pharmaceutical compositions of lansoprazole or its pharmaceutical salts. The invention also includes process of preparation of such compositions. The stable composition of the present invention comprises enteric coated granules having average particle size less than 400micron.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/06/2010

(21) Application No.1709/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INVENTION RELATING TO ACTIVE SYNERGISTIC INSECTICIDAL COMPOSITION OF ACEPHATE AND BIFERTHRIN.

(51) International classification	:A01N 47/00	(71) <b>Name of Applicant :</b> <b>1)GSP CROP SCIENCE PVT. LTD.</b> Address of Applicant :404, LALITA COMPLEX, 352/3, RASALA MARG, NAVRANGPURA, AHMEDABAD-380 009, Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)BHAVESH VRAJMOHAN SHAH</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

An insecticidal composition of Acephate and Bifenthin with more enhanced synergistic activity. The insecticidal composition includes 0.1% TO 50%W/W Acephate active ingredient, and 0.2% to 10% w/w Bifenthin active ingredient along with other ancillaries to produce dry flow able, low compact, dust free granules.

No. of Pages : 12 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/04/2010

(21) Application No.1208/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PROCESS OF INCREASING ANNUAL BIOGAS GENERATION FROM ENERGY CROPS.

(51) International classification	:A23K 3/00	(71)Name of Applicant : <b>1)KIRLOSKAR INTEGRATED TACHNOLOGIES LIMITED</b> Address of Applicant :13/A, KARVE ROAD, KOTHRUD, PUNE-411038. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	<b>2)GANGOTREE ECO TECHNOLOGIES PRIVATE LIMITED</b>
(32) Priority Date	:NA	<b>3)JOSHI ARVIND PURUSHOTTAM</b>
(33) Name of priority country	:NA	<b>4)GONDHALEKAR SANTOSH RAGHUNATH</b>
(86) International Application No Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The invention describes a process of biogas production from energy crops. More particularly a process of increasing annual biogas produced in the form of energy from energy crops.

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/04/2010

(21) Application No.1327/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SINGLE STAGE PROCESS FOR THE SYNTHESIS OF HERBICIDALLY ACTIVE SALT OF PYRIMIDINYLOXYBENZOIC ACID

(51) International classification	:A01N 39/00, A01N 25/00	(71) <b>Name of Applicant :</b> <b>1)GODREJ AGROVET LIMITED</b> Address of Applicant :PIROJSHANAGAR, EASTERN EXPRESS HIGHWAY, VIKHROLI EAST, MUMBAI-400079, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)RAUT SANJEEV DAULAT</b>
(33) Name of priority country	:NA	<b>2)WAGHMARE SAMSON LUCAS</b>
(86) International Application No	:NA	<b>3)RAMARAJ VELASWAMY MUNUSWAMY</b>
Filing Date	:NA	<b>4)VYAS BRAHMANAND AMBASHANKAR</b>
(87) International Publication No	:N/A	<b>5)MISTRY KEKI BAMANSHAW</b>
(61) Patent of Addition to Application Number	:NA	<b>6)GODREJ NADIR BURJOR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Single stage process for the synthesis of herbicidally active salt of pyrimidinyloxy benzoic acid. The process comprises reacting a hydroxy substituted benzoic acid with a pyrimidine in the presence of a phase transfer catalyst and an inert organic solvent and at a hydroxyl ion concentration required to maintain a pKa in the range of 7.5 to 9.0. The reaction is carried out at 80 to 140°C and the organic solvent is taken in the molar ratio of 1 to 2 litres per mole of the hydroxyl substituted benzoic acid or pyrimidine. Also the herbicidally active salt of the pyrimidinyloxy benzoic acid and herbicidal composition comprising the same.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/05/2010

(21) Application No.1581/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DRY POWDER INHALATION COMPOSITION

(51) International classification	:A61K 9/00	(71) <b>Name of Applicant :</b> <b>1) SUN PHARMA ADVANCED RESEARCH COMPANY LTD.</b> Address of Applicant :17/B, MAHAL INDUSTRIAL ESTATE, MAHAKALI CAVES ROAD, ANDHERI (E) MUMBAI - 400 093. STATE OF MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)SUBHAS BHOWMICK</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PRASHANT KANE</b>
Filing Date	:NA	<b>3)GANESH S</b>
(62) Divisional to Application Number	:NA	<b>4)TARUN PATEL</b>
Filing Date	:NA	<b>5)SWAPNIL CHUDIWAL</b>

(57) Abstract :

Salmeterol xinafoate having m The dry powder inhalation composition comprising ean particle size in ran of  $2.0 \mu$  -  $6 \mu$ , microns and a tapped density in the range of  $0.20 \text{ g.cm}^{-3}$  to  $0.45 \text{ g.cm}^{-3}$  and (2) optionally, one or more other active ingredients and pharmaceutically acceptable carrier.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/05/2010

(21) Application No.1645/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF PRASUGREL AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF BY USING NOVEL INTERMEDIATE 5,6,7,7A-TETRAHYDRO-THIENO[3,2-C] PYRIDINE-2(4H)-ONE HYDROBROMIDE

(51) International classification	:C07D 495/04, A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO.-66, SECTOR 15, CBD BELAPUR, NAVI MUMBAI- 400 614, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SIVA KUMAR VENKATA BOBBA</b>
(33) Name of priority country	:NA	<b>2)GIRISH BANSILAL PATEL</b>
(86) International Application No Filing Date	:NA :NA	<b>3)ALOK PRAMOD TRIPATHI</b>
(87) International Publication No	:N/A	<b>4)SANJAY DASHRATH VAIDYA</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)ESWARA RAO KODALI</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present inventions provide novel intermediate 5, 6, 7,7a-tetrahydro-thieno [3, 2-c] pyridine-2(4H)-one hydrobromide and its use in a process of preparing prasugrel and its pharmaceutically acceptable salts thereof.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/06/2010

(21) Application No.1705/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STABILIZED BUFFALO COLOSTRUM POWDER

(51) International classification	:A23C 9/00	(71) <b>Name of Applicant :</b> <b>1)G.C. CHEMIE PHARMIE LTD.</b> Address of Applicant :5/C, SHREE LAXMI INDUSTRIAL ESTATE, NEW LINK ROAD, ANDHERI(W), MUMBAI-400 053, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)LAGOO; AJIT ASHOK</b>
(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 Buffalo Colostrum powder, a dietary supplement comprising stabilized fat and a minimum of 20% IgG of the total colostral protein, derived from Indian Water Buffalo and process for its preparation which does not involve removal of fat at any step of its preparation.

No. of Pages : 26 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2010

(21) Application No.2141/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR EFFLUENT TREATMENT

	:c02f 1/42, c05d 9/02	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD-380 015, Gujarat India
(51) International classification	:NA	(72) <b>Name of Inventor :</b> <b>1)BHOGILAL, SONI GUNVANTLAL</b>
(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	

(57) Abstract :

The present invention relates to a process of minimizing or removing ammonical nitrogen, COD and/or TDS from the effluent comprises: treating effluent within electrochemical cell, mixing the said treated effluent with coagulating agent and flocculating agent, settling the effluent to remove solid particles (if any), passing through column comprising resin, and degassing with hot air to obtain effluent with reduced ammonical nitrogen, COD and/or TDS.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/07/2010

(21) Application No.1989/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A COMPOSITION AND A PROCESS TO OBTAIN WRINKLE FREE TAPED-GARMENT

(51) International classification	:D06M 15/564	(71) <b>Name of Applicant :</b> <b>1)ADITYA BIRLA NUVO LIMITED</b> Address of Applicant :Indian Rayon Compound 362 266 Veraval Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DEBASHIS BHADRA</b>
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 disclosure relates to a composition comprising non-ionic wetting agent, DMDHEU resin, Resin catalyst, polysiloxane, polyalkyne, polyurethane, silicon and organic additive, optionally along with glycerol to obtain oil wrinkle free taped cotton garment. The present disclosure further relates to a method of obtaining said composition along with a process of obtaining the wrinkle free taped cotton garment. Further, in another embodiment, the instant disclosure also relates to the treated garment.

No. of Pages : 42 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2010

(21) Application No.2180/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : STABLE PHARMACEUTICAL COMPOSITION

(51) International classification	:a61k 31/00	(71) <b>Name of Applicant :</b> <b>1)SUN PHARMA ADVANCED RESEARCH COMPANY LTD.</b> Address of Applicant :17-B, MAHAL INDUSTRIAL ESTATE, MAHAKALI CAVES ROAD, ANDHERI (E),MUMBAI-400093, MAHARASHTRA, INDIA.
(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	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AJAY JAYSINGH KHOPADE</b>
(62) Divisional to Application Number	:NA	<b>2)N ARULSUDAR</b>
Filing Date	:NA	<b>3)SUBHAS BALARAM BHOWMICK</b>

(57) Abstract :

A pharmaceutical composition in the form of a solution comprising water insoluble therapeutically active ingredient and a close structural analog of the water insoluble active ingredient, one or more pharmaceutically acceptable excipients and one or more water miscible solvents wherein the water insoluble active ingredient is present in therapeutically effective amounts and the close structural analog is present in sufficient amounts such that when the composition is added to an aqueous vehicle it forms a nanodispersion suitable for intravenous infusion wherein said nanodispersion is stable for longer periods as compared to a dispersion formed from an identical composition but devoid of the close structural analog of the water insoluble active ingredient.

No. of Pages : 40 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/08/2011

(21) Application No.2265/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : INTRA-OCULAR LENS INJECTION CARTRIDGE

(51) International classification	:A61F 9/00	(71)Name of Applicant : <b>1)POLYMER TECHNOLOGIES INTERNATIONAL(EOU)</b> Address of Applicant :BLOCK NO.310/C OF VILLAGE SIM OF DABHASA, TA.PADRA,DIST,VADODARA GUJRAT 319 440,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor : <b>1)ARGAL, SANJAY RAM SWAROOP</b> <b>2)HUSSAIN, MUNAVVAR TAHIR</b>
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 :

A cartridge for implantation of a deformable intraocular lens (IOL) through a small incision in the eye, including a body portion including a first section including a first lens delivery passageway configured to contain an IOL readied for implantation, and a second section including a second lens delivery passageway connected to the first passageway, configured to fold the IOL when the IOL is pushed through the second passageway, and a nozzle portion extending from the body portion, the nozzle portion including a third passageway and a tip for insertion through the incision in the eye, the second passageway extending to the third passageway, the third passageway configured to transfer the folded IOL into an incision in an eye when the folded IOL is pushed through the nozzle. A kit for implantation of a deformable intraocular lens (IOL) through a small incision in the eye, including the cartridge of the above description and an unfolded intraocular lens. Related apparatus and methods are also described.

No. of Pages : 38 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2279/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A SYSTEM AND METHOD FOR AUTOMATIC IMPACT VARIABLE ANALYSIS AND FIELD EXPANSION IN MAINFRAME SYSTEMS

(51) International classification	:G06F 9/44	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR,NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)MEHALINGAM, TAMILDURAI</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A system and method for field analysis, in an organization is described herein. According to the present invention, the system parses the software code to prepare an abstract syntax tree, extract attributes and relational report, load the report in a common repository, perform impact analysis on the said common repository based on user provided seed, and prepare the list of impacted variables. Further, if required the impacted fields are expanded based on the target size information provided.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2010

(21) Application No.1610/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SUNSCREEN COMPOSITION

(51) International classification	:A61K 8/00	(71) <b>Name of Applicant :</b> <b>1)HINDUSTAN UNILEVER LIMITED</b> Address of Applicant :165/166 BACKBAY RECLAMATION, MUMBAI - 400020, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DUGGAL CHARU</b>
(87) International Publication No	:N/A	<b>2)GAURAV KUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RAUT JANHAVI SANJAY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a high SPF/UVAPF sunscreen composition. It is an object of the present invention to provide a high SPF (equal to or greater than 15) or high UVAPF (equal to or higher than 4) photo-protective sunscreen composition without compromising on the desired skin sensorial properties while using relatively low amounts of sunscreen agents thereby keeping costs low.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/05/2010

(21) Application No.1611/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING REPAGLINIDE AND METFORMIN.

(51) International classification	:A61K 31/155, A61K 9/16	(71) <b>Name of Applicant :</b> <b>1)TORRENT PHARMACEUTICALS LTD.</b> Address of Applicant :TORRENT HOUSE, OFF ASHRAM ROAD, NEAR DINESH HALL, AHMEDABAD 380 009, Gujarat India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)RAKESH SHETH</b>
(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) Abstract :

The present invention relates to pharmaceutical compositions comprising repaglinide and metformin.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/07/2010

(21) Application No.1968/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL PROCESSES FOR PREPARING DRONEDARONE HYDROCHLORIDE

(51) International classification	:C07D307/80	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO.-66, SECTOR-15, CBD BELAPUR, NAVI MUMBAI- 400 614, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)SIVA KUMAR VENKATA BOBBA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GIRISH BANSILAL PATEL</b>
Filing Date	:NA	<b>3)ALOK PRAMOD TRIPATHI</b>
(62) Divisional to Application Number	:NA	<b>4)SANJAY DASHRATH VAIDYA</b>
Filing Date	:NA	<b>5)ESWARA RAO KODALI</b>

(57) Abstract :

The present invention relates to a novel process of preparing Dronedarone hydrochloride by the use of a compound of structural formula VI.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/08/2011

(21) Application No.2254/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A SYSTEM AND METHOD FOR FACE BASED VIDEO INDEXING IN A VIDEO

(51) International classification	:G11B 27/28	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR,NARIMAN POINT, MUMBAI 400021,MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)GUHA PRITHWIJIT</b>
(87) International Publication No	:N/A	<b>2)PANDE NIPUN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JAIN MAYANK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates a systems and method to discover faces for forming a video index. According to one exemplary embodiment, a multiple face detector -tracker combination bound by reasoning scheme and operational in both forward and backward direction is used to extract face tracks from individual shots of a shot segmented video. According to an embodiment, a face track - cluster-correspondence - matrix (TCCM) is formed further to identify the equivalent face tracks.

No. of Pages : 42 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2273/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SOLAR POWERED COOL OR WARM STORAGE CONTAINER WITH TRICYCLE

(51) International classification	:F24F 13/08	(71) <b>Name of Applicant :</b> <b>1)DEEPAK SOLANKI</b> Address of Applicant :178/2, D SILVA HOUSE, NR. MANGOR SPORTS CLUB , MANGOR HILL, VASCO-DA-GAMA, GOA-40802. India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DEEPAK SOLANKI</b>
(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 unit device useful for storage facility for products which are kept under cool-warm temperature for preservation to retain its freshness and nutrients facts for 1 or 2 days .

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2290/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED METHOD FOR THE QUANTITATIVE DETERMINATION OF FESOTERODINE FUMARATE.

(51) International classification	:C07C 51/41	(71) <b>Name of Applicant :</b> <b>1)Alembic Pharmaceuticals Limited</b> Address of Applicant :Alembic Research Centre Alembic Pharmaceuticals Limited Alembic Road Vadodara-390003 Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)Balaji Sundara kalyana</b> <b>2)Kedia Jagadish</b> <b>3)Patel Ajay</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved reversed-phase liquid chromatographic (RP-LC) method for the quantitative determination of fesoterodine fumarate. The present invention further provides a stability indicating analytical method using the samples generated from forced degradation studies.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2291/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF DABIGATRAN ETEXILATE AND ITS NOVEL INTERMEDIATE

(51) International classification	:C07D 401/12	(71) <b>Name of Applicant :</b> <b>1)Alembic Pharmaceuticals Limited</b> Address of Applicant :Alembic Research Centre Alembic Pharmaceuticals Limited Alembic Road Vadodara-390003 Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)RAMAN Jayaraman Venkat</b> <b>2)PATEL Samir</b> <b>3)MISTRY Samir</b> <b>4)TIMBADIYA Mukesh</b> <b>5)PARMAR Bhupendra</b> <b>6)TAMBOLI Parimal</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to novel intermediates i.e. isopropanolate solvate of 1-methyl-2-[N-(4-amidinophenyl)-aminomethyl] benzimidazol -5-yl-carboxylicacid -N- (2-pyridyl) -N- (2-ethoxy carbonyl ethyl) -amide hydrochloride of formula (VIIa) and crystalline form II of 1-methyl-2-[N-(4-amidinophenyl)-aminomethyl] benzimidazol -5-yl-carboxylicacid -N- (2-pyridyl) -N- (2-ethoxy carbonyl ethyl) -amide hydrochloride of formula (VII) an intermediate of Dabigatran.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2284/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HPLC METHOD FOR IDENTIFICATION OF GLIPIZIDE IN SAMPLES FROM NON-CONVENTIONAL SOURCES.

(51) International classification	:C12N 15/12	(71) <b>Name of Applicant :</b> <b>1)DR.SHIPRA ROY</b> Address of Applicant :A-92, MINAL RESIDENCY, J. K. ROAD, BHOPAL-462 023 , Madhya Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SUNIL KUMAR TIWARI</b>
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 applications of HPLC have grown significantly in recent years. Glipizide, a second-generation sulfonylurea, is used to lower blood glucose in patients with diabetes. A number of experiments on HPLC have been performed to develop the most accurate method for identification of Glipizide in samples from non-conventional sources. So far other time taking processes like thin Layer Chromatography etc. were being used for this purpose. This process is fast, more accurate and very minute quantities of the sample are required.

No. of Pages : 24 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2011

(21) Application No.2285/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HPLC METHOD FOR IDENTIFICATION OF METFORMIN HYDROCHLORIDE IN SAMPLES FROM NON-CONVENTIONAL SOURCES.

(51) International classification	:C12N 15/12	(71) <b>Name of Applicant :</b> <b>1)DR.SHIPRA ROY</b> Address of Applicant :A-92, MINAL RESIDENCY, J. K. ROAD, BHOPAL-462 023, Madhya Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)SUNIL KUMAR TIWARI</b>
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 applications of HPLC have grown significantly in recent years. Metformin hydrochloride, a Biguanide, is used to treat diabetes. A number of experiments on HPLC have been performed to develop the most accurate method for identification of Metformin hydrochloride in samples from non-conventional sources. So far other time taking process like thin Layer Chromatography etc. were being used for this purpose. This process is fast, more accurate and very minute quantities of the samples are required.

No. of Pages : 24 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2299/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN INTEGRATED SINGLE CHIP DIGITAL TELEVISION.

(51) International classification	:H04N 5/00	(71) <b>Name of Applicant :</b> <b>1)DHOOT PRADEEP NANDLAL</b> Address of Applicant :14 KM STONE,PAITHAN ROAD, CHITEGAON, DIST.AURANGABAD, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DHOOT PRADEEP NANDLAL</b>
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 :

An integrated digital television system to overcome drawbacks of conventional cable, STB and DTH based television systems. The integrated digital television system comprising a system controller coupled to: receiving means including demodulating means for receiving and demodulating television broadcast signal and extract encrypted data, conditional access means for enabling viewer to view content on television system based on a pre-determined condition, wireless sensing means cooperating with external wireless RCU, plurality of signal input and output connection means to receive and transmit multiple video and audio signals, plurality of data communications means, and data storage means; the system controller comprising, decoding module to decode encrypted data, viewing module to enable viewer to view content based on the pre-determined condition, control module to control content based on signals received from RCU and processing module to process the video and audio signals.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2313/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD OF FORMING AN INTEGRATED FLANGD THIN TUBES

(51) International classification	:F16L 23/028
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number Filing Date	:NA
(62) Divisional to Application Number Filing Date	:NA

(71)Name of Applicant :

**1)SUDHIR SADANAND SURVE**  
Address of Applicant :SHRISHIV,20,VIDYANIKETAN  
COLONY, BAIJIPURA AURANGABAD. PIN 431 001.  
Maharashtra India

(72)Name of Inventor :

**1)SUDHIR SADANAND SURVE**

(57) Abstract :

A process for manufacturing integrated flange in a thin metal tube is disclosed. A first step includes positioning a thin tube vertically in predefined set of dies and inserting a media, for example, a polyurethane bar in a thin tube. In a second step, a punch compresses the 5 media and the thin tube to define a bulge on the thin tube. In a third step, the media is removed from the thin tube and the tube is again compressed by another stroke of the punch to define an integrated from the bulge on the thin tube.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2295/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : 4D INTERFACING METHOD

(51) International classification	:G06F 19/00	(71) <b>Name of Applicant :</b> <b>1)JAIN,GAURAV</b> Address of Applicant :A-58, ANAND COLONY, DAUSA-RAJASTHAN,PIN-303303 Rajasthan India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)JAIN,GAURAV</b>
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 :

A 4-D interfacing space to provide real time interaction for user interface is disclosed. The 4-D interfacing space allows the user to make use of four dimensions i.e. three dimensions of space and a time dimension for interfacing purpose. It comprises plurality of Electromagnetic (EM) sensor units to provide 4D space-time coordinates, comparators to provide digitized input of 4D space-time coordinates, and a processor unit to control the output based on said digitized inputs.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2308/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : METHOD AND SYSTEM FOR REAL TIME DETECTION OF RESOURCE REQUIREMENT AND AUTOMATIC ADJUSTMENTS

(51) International classification	:G06Q 10/00	(71) <b>Name of Applicant :</b> <b>1)ESDS Software Solution Pvt. Ltd.</b> Address of Applicant :B 24-25 MIDC NICE Industrial Area Satpur Nashik - 422007 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Rushikesh Jadhav</b>
(87) International Publication No	: NA	<b>2)Piyush Somani</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein disclose a method and system for detecting in real time, resource requirements of a system in virtual environment and automatic scaling of resource parameters to compensate resource requirement in a system. The Virtual machine controller constantly measures resource utilization in the servers and virtual machines associated with it. If a resource requirement is detected with any virtual machine, the automatic resource scaling system detects the type of resource to be scaled and scales the selected resource. Further, the resource may be scaled up or scaled down, based on the requirements. Further, the scaled resource may be CPU, RAM, disk or any such resource. The proposed system helps to save space and power without compromising security, performance and accessibility.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2010

(21) Application No.2309/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PHARMACEUTICAL COMPOSITION COMPRISING OFLOXACIN AND CEFUROXIME

(51) International classification	:a61k 9/00	(71) <b>Name of Applicant :</b> <b>1)Biochem Pharmaceutical Private Limited</b> Address of Applicant :Aidun Building John Crasto Lane Near Metro Theatre Mumbai 400002 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Shah Mayank Jasvantbhai</b>
(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 pharmaceutical composition comprising ofloxacin and cefuroxime or salts of thereof and other pharmaceutical excipients. The present invention provides more reliable effect against most of bacteria. The invention makes up for the weakness of ofloxacin. The combination of ofloxacin and cefuroxime or salts of thereof offers an effective option in the treatment of RTIs, ENTs and SSTIs.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2323/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A METHOD AND SYSTEM FOR NEWS STORY SEGMENTATION OF TELECAST NEWS VIDEOS

(51) International classification	:G11B
	27/28
(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	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TATA CONSULTANCY SERVICES LIMITED**

Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,  
NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)JINDAL, ANUBHA**

**2)GHOSH, HIRANMAY**

**3)TIWARI, ADITYA**

---

(57) Abstract :

The present invention relates to a system and method for segregating a plurality of news stories present in a TV news channel video. The instant invention identifies and separates the news stories by determining similarities and differences of local ticker texts appearing in different news segments. The continuous video stream of news segments is then processed in accordance with the novel method to separate the stories from each other and from the headlines on the basis of repetition of one or more ticker texts within a news segment.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2324/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A METHOD AND APPARATUS FOR SYNTHESIZING VESICLES BY INTERDIFFUSION OF STATIONARY PHASES

(51) International classification	:A61K 9/133	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY</b> Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY,BOMBAY OF POWAI,MUMBAI-400076, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PROF.P SUNTHAR</b> <b>2)SOPAN MAHADEO PHAPAL</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

This invention relates to method for synthesizing unilamellar vesicles comprising contacting a first practically stationary, lipid dissolved, water miscible, organic phase, with a second practically stationary aqueous phase, characterized in that the mixing of the two phases is dominated by the inter-diffusion of one phase into the other, and further specified by the local Peclet number  $Pe < 0(1)$ . This invention also relates to an apparatus for synthesizing such vesicles.

No. of Pages : 43 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2303/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ANTI-VITILIGO COMPOSITION

(51) International classification	:A61K 36/42	(71) <b>Name of Applicant :</b> <b>1)DR.ANTONIO SALAFIA</b> Address of Applicant :203/B, DENZIL APTS. LOKHANDWALA COMPLEX ANDHERI (WEST) MUMBAI- 400 053 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DR.ANTONIO SALAFIA</b>
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 invention deals with a novel composition for the treatment of vitiligo comprising of: Benzoyl peroxide, Precipitated Sulphur, Clobetasol dipropionate and Trioxsalen. The ingredients and the concentrations of the ingredients of composition are selected in a way to provide superior efficacy and safety even on prolonged use as well as to prevent serious adverse effects like atrophy observed with the use of potent steroids.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2304/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CONTROLLED RELEASED PHARMACEUTICAL FORMULATION

(51) International classification	:A61K 31/00	(71) <b>Name of Applicant :</b> <b>1)DR. DHEERAJ T. BAVISKAR</b> Address of Applicant :SUDHINI, MARKET ROAD, BEHIND SHIMPI LANE, SHIRPUR, DIST. DHULE, (M.S.)425405 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)DR. DHEERAJ T. BAVISKAR</b>
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 provides a controlled release tablet formulation. The formulation comprises at least one calcium channel blocking agent. The calcium channel clocking agent is embedded in a matrix forming polymer such as hydrophilic, and hydrophobic polymer or combination thereof along with a pharmaceutically acceptable excipients.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2306/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : REVERSIBLE CONCRETE MIXER ASSEMBLY 1050

(51) International classification	:B28C 5/00	(71)Name of Applicant : <b>1)UNIVERSAL CONSTRUCTION MACHINERY &amp; EQUIPMENT LTD</b> Address of Applicant :GATE NO.327/328/329,A/P- SHIVARE,TAL.BHOR,DIST.-PUNE-411005. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor : <b>1)MR.ROHIDAS HARIBHAU MORE</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a reversible concrete mixer assembly. The assembly is less bulky and requires less time to manufacture and, cost and labour required is also less. The assembly comprises a chassis assembly made in tubular section which provides more stability to the assembly. The chassis assembly includes a 'IT frame assembly mounted thereon. Furthermore, a twin roller assembly is fitted on to an 'U' frame assembly which reduces the misalignment of the twin roller assembly and setting time with ease.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.2307/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MOBILE BATCHING PLANT.

(51) International classification	:B01F 5/42	(71) <b>Name of Applicant :</b> <b>1)UNIVERSAL CONSTRUCTION MACHINERY &amp; EQUIPMENT LTD</b> Address of Applicant :GATE NO.327/328/329,A/P- SHIVARE,TAL,BHOR,DIST.-PUNE-411005. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MR.ROHIDAS HARIBHAU MORE</b>
(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 provides a mobile batching plant for delivering concrete mix which is easy to transport. Further, the mobile batching plant decreases transport, and labour cost.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2322/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MULTI-FINGER SLIDING DETECTION USING FINGERPRINTS TO GENERATE DIFFERENT EVENTS

(51) International classification	:G06F 3/041	(71) <b>Name of Applicant :</b> <b>1)AVAYA INC,USA</b> Address of Applicant :211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A.
(31) Priority Document No	:61/375, 341	(72) <b>Name of Inventor :</b> <b>1)MICHAELIS, PAUL ROLLER</b> <b>2)GROVER, DOUGLAS M.</b> <b>3)MOHLER, DAVID</b> <b>4)ROBINSON, RICHARD</b>
(32) Priority Date	:20/08/2011	
(33) Name of priority country	:U.S.A.	
(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) Abstract :

Fingerprint portions of two or more different fingers are detected on a detection surface, such as an optical surface, a touch pad, a touchscreen, or the like, and then a further detection made that the person has moved their finger(s), for example, apart, together or relative to one another. The movement can be detected based on identifying the fingerprint portion sliding across the screen. The combination of fingerprint information associated with a corresponding motion is correlatable to one or more actions or triggering events that are used to control one or more electronic devices. Further aspects are directed toward utilizing one or more of the techniques herein for a security application. For example, two users, each placing one or more fingers on a touch screen or touch pad, with the fingerprints thereafter being recognized, perform a certain movement with this triggering the unlocking, or locking, of an object.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2333/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : WIRELESS RECOGNITION SYSTEM

(51) International classification	:G10L 15/28	(71) <b>Name of Applicant :</b> <b>1)EDKE RAJESH, RAM</b> Address of Applicant :'SANKUL',ROW HOUSE 42,UNIT 83-84, NEXT TO DEENANATH MANGESHKAR HOSPITAL,ERANDWANA,PUNE-411004 MAHARASHTRA, INDIA. <b>2)EDKE SWAROOP,RAJESH</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b> <b>1)EDKE RAJESH, RAM</b> <b>2)EDKE SWAROOP,RAJESH</b>
(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	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer implemented system and method for wireless authentication/verification of users is disclosed. The biometric characteristics and non-biometric characteristics corresponding to users are stored at a centralized server. A battery operated computer enabled device, in communication with the server, comprises at least one rechargeable battery unit for supplying power to the computer enabled device. Pre-designated biometric and non-biometric characteristics of users are acquired through the battery operated computer enabled device and are locally stored in a memory module. When a requesting user requests verification/authentication, biometric and non-biometric characteristics corresponding to requesting user are received from said centralized server. A receiving module of computer enabled device receives at least one biometric characteristic/non-biometric characteristic from requesting user. The requesting user is successfully authenticated only in the event that a match is found between biometric/non-biometric characteristic received from said requesting user and at least one of the biometric/non-biometric characteristic(s) received from the server.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2010

(21) Application No.2327/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF AGOMELATINE

(51) International classification	:c07c 231/24, c07c 233/18	(71) <b>Name of Applicant :</b> <b>1)INTAS PHARMACEUTICALS LIMITED</b> Address of Applicant :INTAS PHARMACEUTICALS LIMITED, 2ND FLOOR, CHINUBHAI CENTRE, ASHRAM ROAD, AHMEDABAD 380009. Gujarat India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SANJAY JAGDISHBHAI DESAI</b>
(33) Name of priority country	:NA	<b>2)NIRMAL KUMAR</b>
(86) International Application No	:NA	<b>3)DHAVAL BHARATBHAI VASHI</b>
Filing Date	:NA	<b>4)GIRISH BANSHILAL DHAMAT</b>
(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 :

Provided herein is a process for preparation agomelatine and purification.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2328/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : MECHANISM FOR IMPROVING TERMINAL OPERATION DURING ACCESS PROCEDURE

(51) International classification	:H04M 1/02	(71) <b>Name of Applicant :</b> <b>1)RENESAS MOBILE CORPORATION</b> Address of Applicant :6-2, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)KAUSHIK BHATTACHARYA</b>
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 :

There is provided a mechanism for improving a UE operation in an access procedure like a random access procedure. When the UE receives a negative acknowledgment in response to an access request to a communication network, a random waiting time is determined. The UE is set into an inactive operation mode for the duration corresponding to the random waiting time. The network determines an inactivity time duration related to the UE and prohibits transmission of data to the UE in the inactivity time duration.

No. of Pages : 38 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2329/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF IBUPROFEN AND FAMOTIDINE

(51) International classification	:A61K31/00	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :SARKHEJ-BAVLA N.H.NO.8A,MORAIYA TAL.SANAND,DIST AHMEDABAD- 382210, Gujarat India
(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	:NA	(72) <b>Name of Inventor :</b> <b>1)ROY SUNILENDU BHUSHAN</b> <b>2)KULKARNI SUSRUT KRISHNAJI</b> <b>3)MEHTA PAVAK</b> <b>4)BHADANI MANISH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to pharmaceutical compositions of ibuprofen and famotidine or salts thereof. In particular, the present invention relates to a single unit dosage form comprising ibuprofen and famotidine or salts thereof. The pharmaceutical compositions are particularly suitable for reducing ibuprofen-mediated gastric or duodenal ulceration and simultaneously improving patient compliance to the dosage regimen. The invention also provides process of manufacturing the said pharmaceutical compositions.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2340/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ELECTRONIC VOUCHER CHANNEL

(51) International classification	:G06Q 20/00	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR,NARIMAN POINT,MUMBAI,MAHARASHTRA 400021,INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)PATEL, JAIDEEP KANUBHAI</b> <b>2)PISUPATI,BALASUBRAMANIAN SUNDARARAJAN</b> <b>3)SIVARAMAKRISHNAN, P K</b> <b>4)GATHIBANDHE, ROHIT GAJANAN</b> <b>5)TRIVEDI, KRUPA SATISH</b>
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

System and methods of conducting at least one banking transaction using an electronic voucher channel are described. In one implementation, the method includes receiving a mobile number from a point of sale (POS) terminal. Further, a password is obtained from the POS terminal, corresponding to the mobile number. The method further comprises sending to a core banking solution (CBS) host system the password for validation. Based on the validation, the POS terminal is provided an access to a bank account for performing the at least one banking transaction.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2343/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SYSTEM AND METHOD FOR ITERATIVE NONLINEAR COMPENSATION FOR INTERMODULATION DISTORTION IN MULTICARRIER COMMUNICATION SYSTEMS

(51) International classification	:H04L 25/03	(71) <b>Name of Applicant :</b> <b>1)Hughes Network Systems</b> Address of Applicant :11717 Exploration Lane Germantown Maryland 20876 United States of America.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)BASSEL F. BEIDAS</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A receiver is provided that can receive a first signal transmitted on a first carrier and a second signal transmitted on a second carrier. The receiver includes a channel estimation portion, a multicarrier nonlinear equalizer, a first log likelihood computing portion and a second log likelihood computing portion. The channel estimation portion can output a first estimation. The multicarrier nonlinear equalizer can output a first equalized signal and a second equalized signal. The first log likelihood ratio computing portion can output a first log likelihood ratio signal based on the first equalized signal. The second log likelihood ratio computing portion can output a second log likelihood ratio signal based on the second equalized signal. The multicarrier nonlinear equalizer can further output a third equalized signal and a fourth equalized signal. The third equalized signal is based on the first signal, the second signal and the first estimation. The fourth equalized signal is based on the first signal, the second signal and the first estimation.

No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2337/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN EXHAUST MUFFLER

(51) International classification	:B60K 13/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED.</b> Address of Applicant :BOMBAY HOUSE,24 HOMI MODY STREET, HUTATMA CHOWK,MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MANDAL GOUTAM</b>
(87) International Publication No	:N/A	<b>2)DEYSARKAR SUBIR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SAO ARIJIT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present disclosure is a low volume, light weight, and low cost simple reaction type muffler mainly aimed for heavy commercial automobiles. The muffler includes multi expanding and contracting passage ways to ensure pressure drop in multiple steps. The muffler is provided with a perforated plate inside a chamber. The perforated plate acts as a noise attenuator, as well as it divides the muffler chamber into two portions leading to more noise attenuation. A tapered geometry provided next to the chamber results in reduction of back pressure transmitted from the muffler back to the engine and improves engine performance.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2339/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TRANSDERMAL THERAPEUTIC SYSTEM INCORPORATING PENETRATION ENHANCER(S) FOR THE TREATMENT OF ANGINA

(51) International classification	:A61K 9/70	(71) <b>Name of Applicant :</b> <b>1)DR.KRISHNAIYER. SANKARANARAYANAN.</b> <b>DHANALAKSHMI</b> Address of Applicant :B/21SAMYAK,KOPAR ROAD,BEHIND BHAVANI TEMPLE,DOMBIVLI (W),PIN CODE-421 202 THANE DISTRICT MAHARASHTRA STATE INDIA
(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	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)DR.KRISHNAIYER.</b>
Filing Date	:NA	<b>SANKARANARAYANAN.DHANALAKSHMI</b>
(62) Divisional to Application Number	:NA	<b>2)DR.YEOLE.GOVINDRAO.PRAMOD</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a transdermal therapeutic system in which a drug used for the treatment of angina pectoris is incorporated. This system is used for administering drug via skin and comprises of: backing membrane, a reservoir which is a polymeric matrix containing active constituent and penetration enhancer(s) viz: Brefeldin A, an adhesive layer on reservoir containing adhesive and release liner. This system enhances the delivery rate after application on skin by sustaining the release of the active medication for a prolonged duration of time. Thus the required delivery rate for effective treatment and management of angina pectoris is accomplished. Particularly disclosed is an adhesive transdermal patch which is characterized by containing an active ingredient for angina pectoris treatment and penetration enhancer(s). The transdermal preparation has good adhesive properties and is capable of retaining adhesive properties for extensive period. Penetration enhancer(s) is/are used which enhances the permeation of the active drug and helps in establishing the desired flux.

No. of Pages : 8 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.2354/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF DARIFENACIN HYDROBROMIDE

(51) International classification	:C07D405/06	(71) <b>Name of Applicant :</b> <b>1)EMCURE PHARMACEUTICALS LIMITED</b> Address of Applicant :EMCURE HOUSE,T-184,M.I.D.C.,BHOSARI, PUNE-411026, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)GURJAR MUKUND KESHAV</b>
(87) International Publication No	:N/A	<b>2)TRIPATHY NARENDRA KUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)BAPAT KIRAN AVINASH</b>
Filing Date	:NA	<b>4)MEHTA SAMIT SATISH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel process for the preparation of Darifenacin hydrobromide of desired purity. The process comprises condensation reaction of 3-(S)-(+)-(1-carbamoyl-l,l-diphenylmethyl)pyrrolidine of formula (IX) or its acid addition salt (IXa) with 5-bromoethyl-2)3-dihydrobenzofuran of formula (X) using cyclopentyl methyl ether as a solvent, wherein, the formation of associated impurity of formula (II) is controlled and further the impurity separates out after completion of the reaction and is removed by filtration of the reaction mass.

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/12/2009

(21) Application No.2940/MUM/2009 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : VERTICAL AXIS TYPE WIND TURBINE WITH ROTATABLE BLADES PARTICULARLY USEFUL IN SLOW SPEED WIND AND FOR SMALL REQUIREMENTS OF ENERGY.

(51) International classification	:F03D 11/00,H02P 9/00	(71) <b>Name of Applicant :</b> <b>1)ARUN GOMTI SHANKER SHUKLA</b> Address of Applicant :670, KAMLA NEHRU NAGAR, GARHA ROAD, JABALPUR, MADHYA PRADESH, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ARUN GOMTI SHANKER SHUKLA</b>
(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) Abstract :

This invention of Wind Turbine of vertical-axis, having rotatable blades is devised to take maximum advantage of wind-energy even when the wind is slow. A Blade-Orienteer moves the rotatable blades by an angle equal to ninety degree. The blades are kept at a right angle to the direction of wind when moving in the direction of wind and at a zero degree when moving against it. This results in minimum loss of energy caused due to backward movement and the net gain of energy is maximized

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/05/2010

(21) Application No.1756/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPURITY OF CINACALCET OR SALT THEREOF

(51) International classification	:C07C 211/00	(71) <b>Name of Applicant :</b> <b>1)Alembic Ltd</b> Address of Applicant :Alembic Research Centre Alembic Ltd Alembic Road Vadodara Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAMAN Jayaraman Venkat</b>
(87) International Publication No	: NA	<b>2)PATEL Samir</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MISTRY Samir</b>
Filing Date	:NA	<b>4)MADAM Malde</b>
(62) Divisional to Application Number	:NA	<b>5)TIMBADIYA Mukesh</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to Cinacalcet tetrahydro; process for preparation thereof and processes for the use of Cinacalcet tetrahydro as reference marker and standard. This invention also relates to Cinacalcet salts having purity at least about 99 % wherein the content of Cinacalcet tetrahydro impurity is in the range of about 0.03 % to about 0.15 % as measured by HPLC and processes for the preparation thereof.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/06/2010

(21) Application No.1758/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR PREPARATION OF THALIDOMIDE WITH HIGH POLYMORPHIC PURITY

(51) International classification	:C07D 401/00	(71) <b>Name of Applicant :</b> <b>1)MYLAN INDIA PRIVATE LIMITED</b> Address of Applicant :PLOT 1A/2, M.I.D.C. INDUSTRIAL ESTATE, TALOJA,PANVEL, DISTRICT RAIGAD, STATE OF MAHARASHTRA-410208, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)GORE; VINAYAK GOVIND</b>
(87) International Publication No	: NA	<b>2)SHUKLA; VINAY KUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PATIL; MADHUKAR</b>
Filing Date	:NA	<b>4)MEKDE; SANDEEP</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Anhydrous, crystalline forms of thalidomide having high polymorphic purity.

No. of Pages : 46 No. of Claims : 77

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.2319/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SELF ORGANIZING DIRECTORY DISPLAY

---

(51) International classification	:H04M 3/42	(71) <b>Name of Applicant :</b> <b>1)AVAYA INC,USA</b> Address of Applicant :211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A.
(31) Priority Document No	:12/858, 033	(72) <b>Name of Inventor :</b> <b>1)YOAKUM, JOHN H</b>
(32) Priority Date	:17/08/2011	
(33) Name of priority country	:U.S.A.	
(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) Abstract :

A method and communications device for displaying a contacts directory to a user. A contacts directory comprising a plurality of contact entries is maintained. Each contact entry includes a corresponding contact identifier and a corresponding contact address. A communication metric is maintained for at least some of the plurality of contact entries based on communication interactions via the corresponding contact address of the contact entry. A request to display the contacts directory is received. The contact identifiers are ordered in an order based at least in part on the communication metric. At least a portion of the plurality of contact identifiers is displayed on a display in the order.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2332/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : TORIC LENS CALCULATOR

(51) International classification	:A61B 3/12	(71) <b>Name of Applicant :</b> <b>1)POLYMER TECHNOLOGIES INTERNATIONAL (EOU)</b> Address of Applicant :POLYMER TECHNOLOGIES INTERNATIONAL (EOU) OF BLOCK NO.310/C OF VILLAGE SIM OF DABHASA,TA.PADRA,DIST, VADODARA GUJARAT 319 440,INDIA
(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	:NA	(72) <b>Name of Inventor :</b> <b>1)ARGAL,SANJAY RAM SWAROOP</b> <b>2)HUSSAIN,MUNAWAR TAHIR</b> <b>3)JAYBAL CHOLAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention, in some embodiments thereof, provides a method and device for automatically calculating, prior to an IOL (intraocular lens) implantation procedure in a patient, a power and an axis location of the IOL in the implantation procedure, the method comprising: inputting to an electronic device keratometry parameters of the patient; inputting to the electronic device surgical parameters of the IOL implantation procedure on the patient; analyzing the patient keratometry parameters and the surgical parameters by the electronic device; and automatically determining by the electronic device the power and the axis location of the IOL in the implantation procedure in response to the inputs.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2011

(21) Application No.626/MUMNP/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A METHOD FOR ASSESSING RISK TO PATIENT FOR DEVELOPING ADVERSE DRUG REACTION

(51) International classification	:C12Q 1/68	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10/705,245	<b>1)ACADEMIA SINICA</b>
(32) Priority Date	:10/11/2003	Address of Applicant :128,SEC. 2,ACADEMIA SINICA
(33) Name of priority country	:U.S.A.	ROAD,NAN-KANG,TAIPEI,TAIWAN,CHINA.
(86) International Application No	:PCT/US2004/019435	(72) <b>Name of Inventor :</b>
Filing Date	:18/06/2004	<b>1)CHEN,YUAN-TSONG</b>
(87) International Publication No	:WO/2005/047544	<b>2)HUNG,SHUEN-LU</b>
(61) Patent of Addition to Application Number	:NA	<b>3)CHUNG,WEN-HUNG</b>
Filing Date	:NA	<b>4)WU,JER-YUAM</b>
(62) Divisional to Application Number	:	
Filed on	:01/01/1900	

(57) Abstract :

The present invention provides a method of predicting the risk of a patient for developing adverse drug reactions, particularly Stevens-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN), or drug hypersensitivity syndrome (HSS). It was discovered that an HLA-13 allele, HLA-B 1502, is associated with SJS/TEN that is induced by a variety of drugs. The correlation with HLA-B 1502 is most significant for carbamazepine-induced SJS/TEN, wherein all the patients tested have the HLA-131502 allele. In addition, another HLA-13 allele, HLA-B5801, is particularly associated with SJS/TEN or HSS induced by allopurinol. Milder cutaneous reactions, such as maculopapular rash, erythema multiforme (EM), urticaria, and fixed drug eruption, are particularly associated with a third allele, HLA-134601. For any of the alleles, genetic markers (e.g., HLA markers, microsatellite, or single nucleotide polymorphism markers) located between the DRB1 and HLA-A region of the specific HLA-B haplotype can also be used for the test.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2335/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A SYSTEM AND METHOD FOR MANAGING UNMANNED RAILWAY CHECK POSTS

(51) International classification	:B61K 9/00	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)PAL, ARPAN</b>
(87) International Publication No	:N/A	<b>2)BHAUMIK, CHIRABRATA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PURUSHOTHAMAN, BALAMURALIDHAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present application relates to a system and method for managing an unmanned level crossing. The said application enables a plurality of trains to post to a server, information regarding their respective location, speed and acceleration at some known interval of time. When the train is in proximity of an unmanned level crossing the system described by the present application notifies all the mobiles in the vicinity of said level crossing. The system may also enable the train to emit specific horn sounds when nearing the unmanned level crossing that may be sensed by a low-cost processing unit present at the unmanned level crossing that may in turn activate local alarms or gate barrier control. The low-cost processing unit may also have a mobile computing platform capable of receiving SMS about an approaching train that may activate the local alarms as soon as it receives the SMS.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/08/2011

(21) Application No.2336/MUM/2011 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A SYSTEM AND METHOD OF DERIVING APPROPRIATE TARGET OPERATING ENVIRONMENT

(51) International classification	:G01S 7/292	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)VIN, HARRICK MAYANK</b> <b>2)VELAYUDHAN KUMAR, MOHAN RAJ</b> <b>3)UNDE, PRADEEP CHINTAMANI</b> <b>4)JADHAV, SANDIP SADASHIV</b>
(87) International Publication No	:N/A	
(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 configurable parameter driven system and method for providing an appropriate target operating environment based on user specific needs and enterprise objectives. The configuration parameters can be changed to account for newer computing environment solutions that could appear and could also be tailored for enterprise specific needs. The method fingerprint the end users' based on characteristics and requirements to derive user needs and enterprise criteria's. The method is systematic and flexible amenable to change in varying enterprise environment.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/10/2009

(21) Application No.2385/MUM/2009 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : PROCESS FOR THE PREPARATION OF TAPENTADOL AND ITS ACID ADDITION SALTS

(51) International classification	:C07C209/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :501-502 GREAT EASTERN SUMMIT B SECTOR-15, CBD BELAPUR, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA.
(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	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved process for the preparation of tapentadol and its acid addition salts thereof. The process comprises converting a compound of structural formula II into tapentadol hydrochloride compound of structural formula I via the formation of an intermediate compound of structural formula III.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/02/2012

(21) Application No.548/MUM/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : APPARATUSES AND METHODS FOR ENHANCING DATA RATE FOR PACKET-SWITCHED (PS) DATA SERVICE

(51) International classification	:H04L 12/64	(71) <b>Name of Applicant :</b> <b>1) MEDIATEK INC.</b> Address of Applicant :NO. 1, DUSING RD. 1ST, SCIENCE-BASED INDUSTRIAL PARK, HSIN-CHU 300, TAIWAN,
(31) Priority Document No	:13/210, 305	(72) <b>Name of Inventor :</b> <b>1) HUNG-YUEH CHEN</b> <b>2) MING-WAN HSU</b> <b>3) SIAN-JHENG WONG</b> <b>4) YI-TING CHANG</b>
(32) Priority Date	:15/08/2011	
(33) Name of priority country	:U.S.A.	
(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) Abstract :

A wireless communication device for eliminating performance degradation of a packet-switched (PS) data service. The device comprises a processor configured to receive a request to perform the PS data service with a first subscriber identity card, reduce a plurality of scheduled monitoring tasks associated with a second subscriber identity card, and perform the PS data service with the first subscriber identity card while using the reduced plurality of scheduled monitoring tasks to maintain mobility or receive network messages with the second subscriber identity card.

No. of Pages : 67 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2012

(21) Application No.703/MUM/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : SERVICE RECOVERY METHODS FOR WIRELESS COMMUNICATION DEVICES HAVING AT LEAST TWO SUBSCRIBER IDENTITY CARDS SHARING A SINGLE ANTENNA, AND APPARATUSES USING THE SAME

---

(51) International classification

:G06F15/00

(31) Priority Document No

:61/524,682

(32) Priority Date

:17/08/2011

(33) Name of priority country

:U.S.A.

(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

(71)Name of Applicant :

**1)MEDIATEK INC.**

Address of Applicant :NO. 1, DUSING RD. 1ST, SCIENCE-BASED, INDUSTRIAL PARK, HSIN-CHU 300, TAIWAN,

(72)Name of Inventor :

**1)MENG-LIN WU**

**2)JUI-PING LIEN**

**3)SHENG-WEI LIN**

**4)CHUN-SHENG LEE**

---

(57) Abstract :

A wireless communication device for communicating with multiple service networks using a shared antenna is provided with processor logic. One of the processor logic is configured for detecting a no-service condition associated with a first service network of a first subscriber identity card, when performing wireless transceiving from and to a serving cell of a second service network that is currently camped on by a second subscriber identity card using a plurality of first time slots. Also, another one of the processor logic is configured for performing a power scan for recovering from the no-service condition using one or more of second time slots other than the first time slots.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2009

(21) Application No.3000/MUM/2009 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL SALTS OF PERINDOPRIL

(51) International classification	:A61K31/00,4C07D209/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED.</b> Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO-66, SECTOR-15, CBD BELAPUR, NAVI MUMBAI- 400 614, MAHARASHTRA, INDIA.
(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	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process of preparing of substantially pure perindopril compound of structural formula I or its pharmaceutically acceptable salts thereof having less than 0.1% weight / weight of compound of structural formula II by forming a salts of crude perindopril with L-citrulline and organic bases such as compound of structural formula IV, V, VI, VII, VIII or IX.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/12/2009

(21) Application No.3002/MUM/2009 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PURIFICATION OF MONTELUKAST ACID AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

(51) International classification	:A61K31/4704,C07D215/18
(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	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)ENALTEC LABS PRIVATE LIMITED.**

Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO-66, SECTOR-15, CBD BELAPUR, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA.

(72)**Name of Inventor :**

**1)SIVA KUMAR VENKATA BOBBA**

**2)ESWARA RAO KODALI**

**3)GIRISH BANSILAL PATEL**

**4)SANJAY DASHRATH VAIDYA**

**5)ALOK PRAMOD TRIPATHI**

---

(57) Abstract :

A process for the purification of crude montelukast acid and its pharmaceutically acceptable salts thereof by forming the salts of crude montelukast acid with citrulline, tyrosine, glutamine, glutamic acid, histidine, lysine, methionine, phenylalanine, tryptophan, isoleucine, threonine, valine, leucine, alanine, aspartic acid, cysteine, glycine, proline, serine, asparagine or selenocysteine is provided

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2010

(21) Application No.758/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A PROCESS FOR PREPARATION OF CRYSTALLINE FORM I OF CLOPIDOGREL BISULFATE AND PRODUCT THEREOF

(51) International classification	:C10M 111/00	(71) <b>Name of Applicant :</b> <b>1)RPG LIFE SCIENCES LIMITED</b> Address of Applicant :CEAT MAHAL, 463, DR. ANNIE BESANT ROAD, WORLI, MUMBAI-400030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)SRIVASTAVA, ANITA RANJAN</b> <b>2)SONAR, YUVRAJ SURESH</b> <b>3)SRIVASTAVA, RANJAN PRASAD</b> <b>4)POOJARI, KRISHNA ANAND</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to process for preparation of crystalline Form I of clopidogrel bisulfate comprising steps of preparing clear solution of clopidogrel free base in ethyl acetate, which is cooled to a temperature varying from about -7 to about -10°C and reacted with concentrated sulphuric acid white maintaining said temperature, thereafter slowly warmed to room temperature, and then heated to reflux, which on cooling to room temperature, filtration, washing and vacuum drying results in crystalline Form 1 of clopidogrel bisulfate.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.895/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOVEL PROCESSES FOR THE PREPARATION OF HMG-COA REDUCTASE INHIBITORS

(51) International classification	:C07D 239/00	(71) <b>Name of Applicant :</b> <b>1)ENALTEC LABS PRIVATE LIMITED</b> Address of Applicant :B-501 GREAT EASTERN SUMMIT, PLOT NO.-66, SECTOR-15,CBD BELAPUR, NAVI MUMBAI- 400 614, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SIVA KUMAR VENKATA BOBBA</b>
(87) International Publication No	: NA	<b>2)ESWARA RAO KODALI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GIRISH BANSILAL PATEL</b>
Filing Date	:NA	<b>4)SANJAY DASHRATH VAIDYA</b>
(62) Divisional to Application Number	:NA	<b>5)ALOK PRAMOD TRIPATHI</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel processes for the preparation of HMG-CoA reductase inhibitors such as atorvastatin; cerivastatin; fluvastatin; pitavastatin and rosuvastatin. The processes comprises the converting a compound of structural formula I into a compound of structural formula[[. single or double bond and R1 is a residue of an HMG-CoA reductase inhibitor selected from any one of the compound of structural formula-a to structural formula-e, and R2 is a residue of an HMG-CoA reductase inhibitor selected from any one of the compound of structural formula-f to structural formula-j. wherein P1 and P2 are H or alcohol protecting groups or P1 and P2 taken together to form a 1, 3-diol protecting group; M is H or carboxylic protecting group or metal atoms like Na+, K+, Mg+2 or Ca+2 and X is a nitro group or a group which is capable of converting into fluorine atom.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.902/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED FORMULATION

(51) International classification	:A01N 25/28,A01N 43/80	(71) <b>Name of Applicant :</b> <b>1)UNITED PHOSPHORUS LIMITED</b> Address of Applicant :CORPORATE OFFICE, UNIPHOS HOUSE, 11TH ROAD, C.D. MARG, KHAR (WEST), MUMBAI 400 052, STATE OF MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SHROFF JAIDEV RAJNIKANT</b>
(33) Name of priority country	:NA	<b>2)SHROFF VIKRAM RAJNIKANT</b>
(86) International Application No	:NA	<b>3)JADHAV PRAKASH MAHADEV</b>
Filing Date	:NA	<b>4)BECKER CHRISTIAN</b>
(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 storage stable capsule suspension formulation comprising clomazone encapsulated within a polymeric shell wall of microcapsules, a process for the preparation thereof and method of controlling weeds utilizing said formulation.

No. of Pages : 29 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2010

(21) Application No.813/MUM/2010 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : COMPOSITION OF OIL FOR HIGH SPEED THIN AND THICK GAUGE STEEL SHEET ROLLING IN TANDEM MILLS

(51) International classification	:C10M 111/00	(71)Name of Applicant : <b>1)INDIAN OIL CORPORATION LIMITED</b> Address of Applicant :G-9, ALI YAVAR JUNG MARG, BANDRA (EAST), MUMBAI-400 051 (IN) Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)PAUL, SUBINOY</b>
(33) Name of priority country	:NA	<b>2)SAMY, ARUNA GIRI</b>
(86) International Application No	:NA	<b>3)SAXENA, DEEPAK</b>
Filing Date	:NA	<b>4)JAYAPRAKASH KANDISSERIL CHELLAPPAN</b>
(87) International Publication No	: NA	<b>5)WARIS, FAIZ</b>
(61) Patent of Addition to Application Number	:NA	<b>6)KAGDIYAL, VIVEKANAND</b>
Filing Date	:NA	<b>7)SINGH, SATYA PAL</b>
(62) Divisional to Application Number	:NA	<b>8)BHADHAVATH, SANKAR</b>
Filing Date	:NA	<b>9)MOOKKEN, RAJAN THOMAS</b>
		<b>10)NAITHANI, KANTA PRASAD</b>
		<b>11)MALHOTRA, RAVINDER KUMAR</b>
		<b>12)KUMAR, ANAND</b>
		<b>13)N/A</b>
		<b>14)N/A</b>

(57) Abstract :

The invention relates to a composition of oil suitable for steel sheet rolling. This oil is comprised of natural fats/oils, synthetic esters, high viscosity index premium quality mineral oils and other performance additives such as extreme pressure, antiwear, emulsifiers, dispersant, antioxidants etc. The oil composition forms metastable oil-in-water emulsion with slight to moderate agitation. The said oil composition provides satisfactory rolling performance for thin gauge as well as thick gauge steel sheet rolling in Tandem Rolling Mills. It has excellent lubricity and metastability of rolling oil emulsion for cold rolling application. Several optimum properties of emulsion e.g., metastability of emulsion, oil separation, emulsion stability index (ESI), emulsifiers ratio and concentration are found to be responsible for the required lubrication, rolling and reduction of steel sheet.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2010

(21) Application No.814/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : CARRIER OIL COMPOSITION FOR SPRAY OF FUNGICIDES ON RUBBER PLANTATIONS AND OTHER CROPS

(51) International classification	:A01N 37/00	(71) <b>Name of Applicant :</b> <b>1)INDIAN OIL CORPORATION LIMITED</b> Address of Applicant :G-9, ALI YAVAR JUNG MARG, BANDRA (EAST), MUMBAI-400 051 (IN) Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)BHATNAGAR, PANKAJ</b>
(33) Name of priority country	:NA	<b>2)SIVASURIAN, NATARAJAN</b>
(86) International Application No Filing Date	:NA :NA	<b>3)JOSEPH, PATTATHILCHIRA VARGHESE</b>
(87) International Publication No	: NA	<b>4)POKHRIYAL, NAVEEN KUMAR</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)SAXENA, DEEPAK</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>6)JAYAPRAKASH, KANDISSERIL CHELLAPPAN</b>
		<b>7)DESHMUKH, VIJAY PRABHAKAR</b>
		<b>8)MOOKKEN, RAJAN THOMAS</b>
		<b>9)NAITHANI, KANTA PRASAD</b>
		<b>10)MALHOTRA, RAVINDER KUMAR</b>
		<b>11)KUMAR, ANAND</b>

(57) Abstract :

The invention discloses an environment-friendly carrier oil composition for spray of copper oxychloride and other fungicides on rubber plants and other crops comprising a paraffinic oil, a alkyl ester of vegetable oil selected from, methyl, ethyl or propyl esters and a lighter petroleum fraction for controlling fungal diseases such as abnormal leaf fall disease of rubber plants and other crops.

No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.945/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : NOVEL LIQUID VAGINAL SPRAY DOSAGE FORM COMPRISING AN ANTIFUNGAL AGENT WITH LACTOBACILLUS SP. FOR TREATMENT OF VAGINAL FUNGAL INFECTIONS

(51) International classification	:A61K 9/00	(71) <b>Name of Applicant :</b> <b>1)LINCOLN PHARMACEUTICALS LIMITED</b> Address of Applicant :NIRAV COMPLEX,OPPOSITE NAVRANG HIGH SCHOOL, NARANPURA, AHMEDABAD-380014. Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PATEL RAJNI GULABDAS</b> <b>2)PATEL JIGAR HASMUKHBHAI</b> <b>3)SHAH ARUN CHIMANLAL</b> <b>4)PANDYA NILAY BHARTENDU</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Disclosed herein is liquid vaginal spray dosage form to provide local as well as systemic effect, comprising therapeutically effective amount of at least one antifungal agent along with lactic acid, useful for the treatment of vaginal fungal infections like vulvovaginal Candidiasis or yeast infection bacterial vaginosis, Trichomoniasis, Chlamydia vaginitis, Gonococcal vaginitis, Viral vaginitis, Noninfectious vaginitis.

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.946/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF CHLOROFORMATES USING A  
CONTINUOUS THIN FILM REACTOR (CTFR)

(51) International classification	:C07C 68/00	(71) <b>Name of Applicant :</b> <b>1)Alembic Ltd</b> Address of Applicant :Alembic Research Centre Alembic Ltd Alembic Road Vadodara Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)ISMAILI Amin</b> <b>2)THAKER Keyur</b> <b>3)KUMAR Kundan</b> <b>4)KHARVA Vikesh</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved process for the preparation of 2-ethyl hexyl chloroformate (EHCF) & Benzyl Chloroformate (BCF) by reacting gaseous phosgene with thin film of liquid 2-ethyl hexanol or Benzyl Alcohol in Continuous Thin film Reactor (CTFR).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2010

(21) Application No.952/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AUTOMATED HYDRAULIC JACK TEST SETUP AND TESTING METHOD.

(51) International classification	:B66F/704
(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)TATA MOTORS LIMITED**

Address of Applicant :BOMBAY HOUSE,24 HOMI, MODY STREET,HUTATMA CHOWK,MUMBAI 400 001, MAHARASHTRA, INDIA.

(72)**Name of Inventor :**

**1)DHINAHARAN RAMALINGAM**

**2)RAVINDRA N.BADHULKAR**

(57) Abstract :

The automated hydraulic jack test set up is used to test the hydraulic jack. The automated hydraulic jack test setup is used to conduct the jack test with accuracy and effectively using time. The said automated hydraulic jack test set up is controlled electro pneumatically to automate the testing. The pneumatic cylinders are actuated by at least four pneumatic solenoid valves through pneumatic flow control valves. The said electro pneumatic solenoid valves are triggered by micro PLC in a specified sequence and time duration. The reliability of this testing mechanism is established by operating the test mechanism of hydraulic jack for target cycles. Automated hydraulic jack test set up is micro PLC controlled test set up using two pneumatic cylinders and simple mechanism can complete the testing at less time and the method for testing hydraulic jack system is described.

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2010

(21) Application No.960/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : WHEEL LOCK RING CATCH.

(51) International classification	:B62H5/00	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA.
(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	(72) <b>Name of Inventor :</b> <b>1)TODKAR VINAY H</b> <b>2)BORSE TUHAR S</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

NA

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.941/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A NOTCHING MACHINE FOR JOINING THE TOP CAP AND THE COMMON BASE OF THE LAMPS

(51) International classification	:B21D 43/00	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)DIXIT PANKAJ</b> <b>2)MAKWANA MAHENDRA</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A notching machine for joining the top cap and the common base of plastic material of the compact fluorescent lamp is described. In one embodiment the common base portion of the compact fluorescent lamp placed inside the top cap portion thereof requiring notching operation is notched using heating pins that apply heat and pressure on said top cap in direction of the common base placed inside the top cap.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.943/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : A HOT PRESS MACHINE FOR CURING THE COIL OF A HT (HIGH TENSION)/LT (LOW TENSION) MACHINE.

(51) International classification	:B42D109/00	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR.ANNIE BESANT ROAD, WORLI, MUMBAI-400 030, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)NEERAJ SHARMA</b>
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 hot press machine for curing the coil of a HT(high tension)/LT (low tension) machine, the machine comprising a plurality of platens (1) oriented within the machine such that the coil remaining disposed on the platen (1) and surrounded therewith, each platen (1) being an integrated structure and comprising a plurality of heater pipes (2) held therein the between the top and bottom surfaces thereof and at least one water channel (3) formed within the platen below the heater pipes holes (4), the water channel (3) having an inlet (6) and outlet (8) opening at the same or different sides of the platen (1).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.948/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : AN IMPROVED SUSTAINED RELEASE FORMULATION OF METOLAZONE

(51) International classification	:A61K 9/00, A61K 47/00	(71) <b>Name of Applicant :</b> <b>1)BA RESEARCH INDIA LIMITED</b> Address of Applicant :BA RESEARCH HOUSE, OPPOSITE PUSHPARAJ TOWERS, NR.JUDGES BUNGLOWS, BODAKDEV, AHMEDABAD-380054, Gujarat India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SHARMA NAVEEN</b>
(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	

(57) Abstract :

An improved Sustained release formulation of Metolazone The present invention provides the new sustained release formulation of metolazone where metolazone itself acts as its own binder to enable the desired high drug loading to be achieved. We postulate that a small proportion of the metolazone dissolves during the wet blending step to form liquid bridges between the particles. On drying, removal of the water will leave interparticulate bonds within the structure of the pellets, whereby the pellets retain their coherency.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2010

(21) Application No.949/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : RASAGILINE AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

(51) International classification	:A61K 31/135, C07C 209/00	(71)Name of Applicant : <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD-380 015, Gujarat India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)DWIVEDI SHRIPRAKASH DHAR</b>
(33) Name of priority country	:NA	<b>2)PRASAD ASHOK</b>
(86) International Application No	:NA	<b>3)PATEL MAYUR RAMNIKBHAI</b>
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 rasagiline (I) and its pharmaceutically acceptable salts. The invention also relates to improved processes for the preparation of rasagiline and its pharmaceutically acceptable salts. The invention also relates to pharmaceutical compositions that include the pharmaceutically acceptable salts of rasagiline and use of the compositions for treating the signs and symptoms of idiopathic Parkinsons disease as initial monotherapy and as adjunct therapy to levodopa.

No. of Pages : 51 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.862/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : FIXTURE AND METHOD FOR TORSION SPRING ASSEMBLING AND DISMANTLING GEAR BOX

(51) International classification	:B66F/700	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA.
(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	

(57) Abstract :

A fixture for torsion spring assembling and dismantling gear box comprising a shaft 14 having diameter suitable to bearing block 33 so as to slide easily in said bearing block; lower end of said shaft having splines coherent with lever 30 hole and upper end of having threading to fit nut 20; two flat surfaces provided on said threaded portion to engage with rectangular hole made in fixed arm 10 having a handle; a moving arm 19 which consists of handle, stopper, finger, being coupled to said fixed arm, said handles attached to said moving arm and fixed arm using at least one rivet. A gauge piece 13 is attached to said shaft just below said moving arm to maintain orientation of bearing block. Said finger 12 having a projection at the lower side being provided at lower end of said moving arm is perpendicular to said handle and parallel to said shaft. Said projection in said finger twistably holds upper end of torsion spring. Said stopper 11 is provided in said moving arm to establish proper entry of said fixture into the gear box housing 35.

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2010

(21) Application No.863/MUM/2010 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : ASSAY FOR SIMULTANEOUS MEASUREMENT OF MULTIPLE ANTIBODIES OR MULTIPLE ANTIGENS IN A SINGLE SAMPLE

(51) International classification	:G01N 33/53	(71) <b>Name of Applicant :</b> <b>1)Serum Institute of India Ltd.</b> Address of Applicant :212/2 Off Soli Poonawalla Road Hadapsar Pune 411 028 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KAPRE Subhash V.</b>
(87) International Publication No	: NA	<b>2)CHHIKARA Manoj Kumar</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide a method for simultaneous evaluation of multiple antibodies or multiple antigens in single samples, wherein carboxylated polystyrene microsphere sets are conjugated with a defined 23 candidate polysaccharide antigens by an individually optimized conjugation method and are mixed to enable the detection of multiple antibodies or multiple antigens, respectively with less than 20% heterologous inhibition.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.1067/KOL/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : RUDDER RESISTANCE REDUCING METHOD

(51) International classification	:B63H25/38
(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)ZUEI-LING, LIN

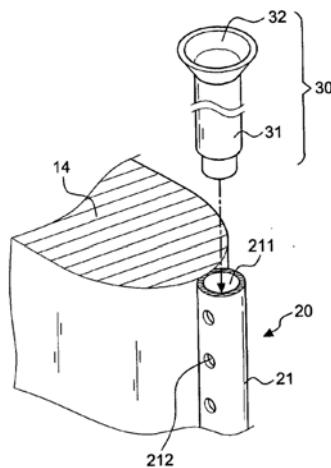
Address of Applicant :4F, NO.260 SUNG HO STREET,  
TAIPEI CITY 10567, R.O.C. Taiwan

(72)Name of Inventor :

1)ZUEI-LING, LIN

(57) Abstract :

The present invention relates to a rudder resistance reducing method which utilizes a negative pressure to guide in gas for generating air bubbles, reducing the resistance of the rubber of a boat. The present invention uses an air bubble generator in front of the rudder for generating bubbles during rotation of the propeller of the boat to cause a high-speed flow of water without changing the original design of the boat, enabling the air bubbles to isolate contact between the high-speed flow of water and the rudder, thereby reducing rudder resistance and saving energy consumption.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2011

(21) Application No.1074/KOL/2011 A

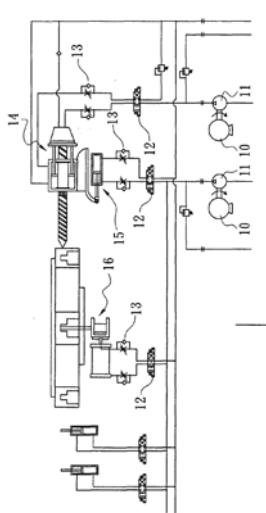
(43) Publication Date : 22/02/2013

(54) Title of the invention : ENERGY-SAVING HYDRAULIC SYSTEM

(51) International classification	:B66D1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MINZ INC.
(32) Priority Date	:NA	Address of Applicant :NO.46, ANSHUN EAST 6TH
(33) Name of priority country	:NA	STREET, BEITUN DISTRICT, TAICHUNG CITY 406,
(86) International Application No	:NA	TAIWAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CHANG MIKE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hydraulic system includes at least one frequency converter, at least one controller, at least one servomotor connected to the frequency converter, at least one rotation sensor connected to the servomotor and electrically connected to the controller, a hydraulic pump connected to the servomotor, an accumulator connected to the hydraulic pump, a piping connected to the accumulator, and a pressure switch connected to the accumulator.



No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2011

(21) Application No.1088/KOL/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : AN IMPROVED FIXING ARRANGEMENT OF AXIAL FAN FOR HYDROGENERATOR ARRESTING THE TRANSFERRING OF THE CENTRIFUGAL FORCE ON TO RIM END PLATE

(51) International classification

:F16M1/04

(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

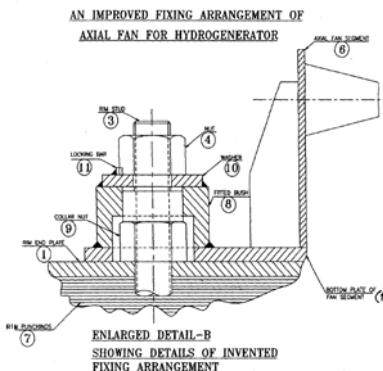
:NA

Filing Date

:NA

(57) Abstract :

An improved fixing arrangement of axial fan for hydrogenerator arresting the transferring of the centrifugal force on to rim end plate comprises by disposing axial fan segment (6) on the rim end plate (1) when the collar nut is tightened on the rim stud. The fitted bush (8) is placed and welded on fan segment bottom plate (12) and this assembly of bush (8) and plate (12) is tightened with the help of nut (4) and washer (10) wherein the washer (10) is welded with fitted bush (8) so that the centrifugal force of axial fan is transferred directly on rim stud (3) with the help of fitted bush (8) and collar nut (9).



No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/12/2009

(21) Application No.1466/KOL/2009 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : INVERTER COMPRISING NORMALLY CONDUCTIVE GATE-CONTROLLED SEMICONDUCTOR SWITCHES

(51) International classification

:H02M7/48

(31) Priority Document No

:08 172 700.0

(32) Priority Date

:23/12/2008

(33) Name of priority country

:EUROPEAN

UNION

(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)SMA SOLAR TECHNOLOGY AG**

Address of Applicant :SONNENALLEE 1, 34266  
NIESTETAL GERMANY .

(72)Name of Inventor :

**1)JENS FRIEBE**

**2)OLIVER PRIOR**

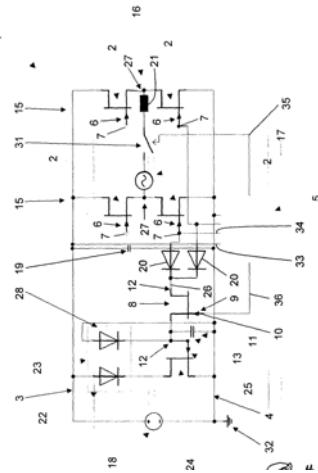
**3)FRANK GREIZER**

**4)DR.-ING MATTHIAS VICTOR**

**5)SVEN BREMICKER**

(57) Abstract :

An inverter comprises two input lines; an inverter bridge connected between the input lines and including at least one half-bridge comprising two normally conductive gate-controlled semiconductor switches; a controller which supplies control voltages to the gates of the semiconductor switches in an operative state of the inverter; and a DC voltage source for supplying an auxiliary control voltage to the gates of the semiconductor switches in an inoperative state of the inverter so as to hold the inverter bridge in a non-conductive state between the input lines. The DC voltage source has a charging unit connected between the input lines in series with a further normally conductive gate-controlled semiconductor switch, and charging a storage unit for electric charge, which is connected to the gate of the further semiconductor switch such that this switch becomes non-conductive, when the storage unit has been sufficiently charged for providing the auxiliary control voltage.



No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/03/2012

(21) Application No.283/KOL/2012 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : APPARATUS AT A CARD, FOR TAKING UP A FIBRE WEB EMERGING FROM A DELIVERY MECHANISM, AND GATHERING IT INTO A FIBRE SLIVER

(51) International classification	:H04L 29/06
(31) Priority Document No	:102011110673.5
(32) Priority Date	:19/08/2011
(33) Name of priority country	:Germany
(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)TRÜTZSCHLER GMBH & CO.KG.**

Address of Applicant :DUVENSTRASSE 82-92, D-41199  
MÖNCHENGLADBACH, GERMANY .

(72)Name of Inventor :

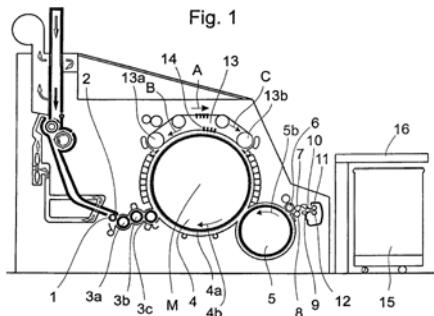
**1)HERR ROLAND FRIEDRICH**

**2)HERR CHRISTOPH LEINDERS**

**3)HERR WILFRIED WEBER**

(57) Abstract :

In an apparatus at a card, for taking up a fibre web emerging from a delivery mechanism and gathering it into a fibre sliver, having immediately downstream of the delivery mechanism, for example a pair of rollers, a directing element, the directing element has across its width at least one immovable directing surface having a through-hole . In order to allow, by simple means, improved guidance of the fibre web from the nip rollers to the web funnel, especially in the case of a relatively wide working width and/or high delivery speed, the directing surface is in the form of a channel or the like, the open side of which substantially closes off the approximately triangular space between the pair of nip rollers, and there is provided a rounded-off guiding element at each of those end regions of the channel which are associated with the through-hole.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/08/2011

(21) Application No.1071/KOL/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : MODULAR ENCLOSURE FOR UTILITY TRAILERS AND PICKUP TRUCKS

(51) International classification	:B60P3/345
(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)LAWRENCE V. DRAKE

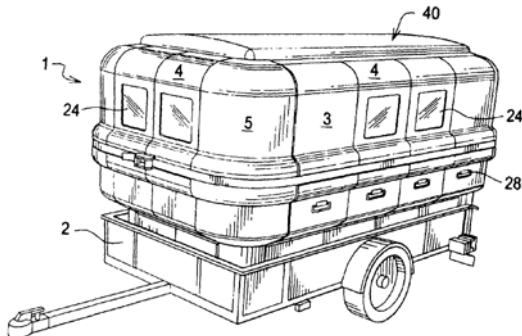
Address of Applicant :5925 SACAJAWEA DRIVE,  
LOVELAND, COLORADO 80538 U.S.A.

(72)Name of Inventor :

1)LAWRENCE V. DRAKE

(57) Abstract :

A light weight modular enclosure that may be easily assembled by a user and mounted on a utility trailer or pickup truck includes a plurality of modular foam- encapsulated side panel assemblies and two foam-encapsulated corner panel assemblies arranged in adjacent positions in U-shaped anchor channels secured along three edges of a rectangular floorboard to form a front wall and two side walls of the modular enclosure. The side panel and corner panel assemblies each include a plurality of molded key pins and key sockets that are positioned for mating engagement to secure the panel assemblies in strict alignment when adjacently positioned in the anchor channels. A door frame assembly fits into the open rear end of the modular enclosure. A pop-up canopy assembly is installed over the top of the modular enclosure to provide additional head room during use. Two lengths of a gird belt are attached to the door frame assembly, and the two free ends are routed forward within horizontal gird belt channels molded in the exterior surface of each of the side and corner panel assemblies. The free ends of the gird belt are cinchably joined at the front end of the modular enclosure to secure the side and corner panel assemblies in their assembled positions.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/01/2011

(21) Application No.11/KOL/2011 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : LIFT FOR RESIDENTIAL USE UP TO 2ND FLOOR AND METHOD FOR RUNNING THE SAME

(51) International classification	:H04B3/54
(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 :

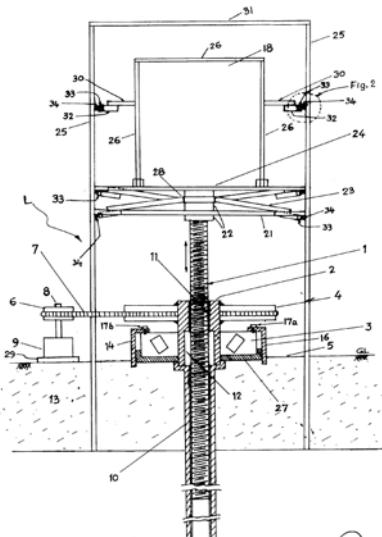
**1)DIRECTORATE OF YOUTH SERVICES,  
GOVERNMENT OF WEST BENGAL**  
Address of Applicant :32/1, B.B.D. BAG SOUTH,  
KOLKATA-700 001 West Bengal India

(72)Name of Inventor :

**1)PRADIP KUMAR GHOSH CHOUDHURY**

(57) Abstract :

A lift for residential use for a maximum height of 20-25 feet consists of a shaft (1) having a threaded portion to match with the threaded portion of the nut (2). A pulley (4) integral with the shaft (1) is connected to another pulley (6) by chain (7). The pulley (6) mounted on the shaft (8) of the reversible motor (9) receives the drive and rotates the nut (2). The rotation of the shaft along with nut is arrested by the arms (23) getting locked in the angle (25) resulting the shaft (1) moving upwards or downwards according to the rotation of the reversible motor (9) when the movement of the cage is guided by the ball bearings (33) moving over the angle (25). At the bottommost position, around 40 ft. length of the shaft is accommodated inside a tube (10) which is 45 ft in length and is inside the cement slab and the soil. The inside dimension of the tube (10) is such that it acts as a guide bush for the shaft (1) and at the maximum top position of the cage at least 15 ft. of the shaft is inside the tube (10). The cage (18) is made of channels and angles with plate (24) serving as the platform of the cage (18) and is supported by the outside box type construction around the cage with angles (25) and (31). The angle (25) is grouted inside the cement slab (13).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/06/2012

(21) Application No.1357/KOLNP/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : HETEROARYLAMINOQUINOLINES AS TGF-BETA RECEPTOR KINASE INHIBITORS

(51) International classification	:A61K 31/4706
(31) Priority Document No	:09013988.2
(32) Priority Date	:07/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/006239
Filing Date	:12/10/2010
(87) International Publication No	:WO 2011/054433
(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)MERCK PATENT GMBH**

Address of Applicant :FRANKFURTER STRASSE 250  
64293 DARMSTADT GERMANY

(72)**Name of Inventor :**

**1)JONCZYK, ALFRED**

**2)AMENDT, CHRISTIANE**

**3)ZENKE, FRANK**

---

(57) Abstract :

Novel hetarylaminquinoline derivatives of formula (I) wherein X, Z, Het, R1, R2, R3 and R4 have the meaning according to claim 1, are inhibitors of ATP consuming proteins, and can be employed, inter alia, for the treatment of tumors.

No. of Pages : 115 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2012

(21) Application No.358/KOL/2012 A

(43) Publication Date : 22/02/2013

---

(54) Title of the invention : DEVICE ON A CARDING MACHINE FOR COTTON, SYNTHETIC FIBRES AND THE LIKE, ARRANGED BETWEEN A DOFFER AND TWO NIP ROLLS

(51) International classification	:D01G15/80
(31) Priority Document No	:102011110681.6
(32) Priority Date	:19/08/2011
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)TRÜTZSCHLER GMBH & CO.KG.**

Address of Applicant :DUVENSTRASSE 82-92, D-41199  
MÖNCHENGLADBACH, GERMANY

(72)Name of Inventor :

**1)HERR CHRISTOPH LEINDERS**

(57) Abstract :

In a device on a carding machine for cotton, synthetic fibres and the like, arranged between a doffer and two nip rolls, in which there is provided below the stripper roll a stationary element the upper surface of which faces a region of the stripper roll and the front surface of which faces the lower nip roll, and in which the edge between the upper surface and the front surface is arranged in the region between the stripper roll and the nip rolls and is oriented in the direction towards the nip between the nip rolls, a fibre web passes over the upper surface and then through a free space as far as the nip between the nip rolls. In order to provide a simple way of improving guidance of the fibre web, especially in the case of a relatively large working width and/or an elevated delivery speed, the region of the supporting and guiding element that faces the lower nip roll is constructed in such a way that the flow of air is guided in a direction opposite to the direction of rotation of the lower nip roll.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2012

(21) Application No.292/KOL/2012 A

(43) Publication Date : 22/02/2013

(54) Title of the invention : DEVICE ON A CARDING MACHINE FOR COTTON, SYNTHETIC FIBRES AND THE LIKE, ARRANGED BETWEEN A DOFFER AND TWO NIP ROLLS

(51) International classification	:D01G 15/00
(31) Priority Document No	:102011110671.9
(32) Priority Date	:19/08/2011
(33) Name of priority country	:Germany
(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)TRÜTZSCHLER GMBH & CO.KG.

Address of Applicant :DUVENSTRASSE 82-92, D-41199  
MÖNCHENGLADBACH, GERMANY

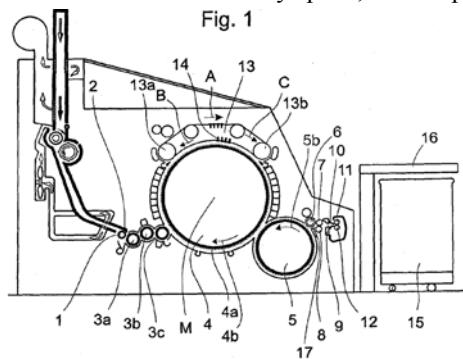
(72)Name of Inventor :

1)HERR CHRISTOPH LEINDERS

(57) Abstract :

In a device on a carding machine for cotton, synthetic fibres and the like, arranged between a doffer and two nip rolls, in which there is provided below the stripper roll a stationary element the upper surface of which faces a region of the stripper roll and one end region of which is associated with the nip in the region between the doffer and the stripper roll, wherein a fibre web passes through an open space as far as the nip between the nip rolls, and the element is in the form of a supporting and guiding body, the other end region is arranged in the region between the stripper roll and the nip rolls and is oriented in the direction towards the nip between the nip rolls. In order to provide a simple way of improving guidance of the fibre web, especially in the case of a relatively large working width and/or an elevated delivery speed, at least part of the upper surface has openings allowing the passage of air.

Fig. 1



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/04/2011

(21) Application No.580/KOL/2011 A

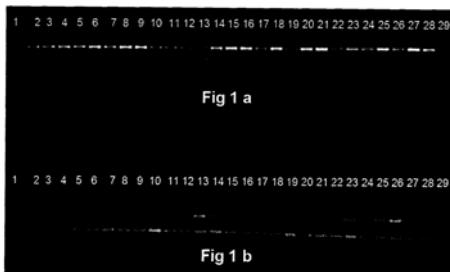
(43) Publication Date : 22/02/2013

(54) Title of the invention : GROUP-SPECIFIC PRIMERS FOR IDENTIFICATION OF KERRIA SPECIES

(51) International classification	:C12N 15/82	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF NATURAL RESINS AND GUMS</b> Address of Applicant :INDIAN INSTITUTE OF NATURAL RESINS AND GUMS NAMKUM RANCHI JHARKHAND-834010 India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Sanjeev Kumar Ranjan</b>
(87) International Publication No	: NA	<b>2)Dr Ambarish Sharan Vidyarthi</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Dr Rangnathan Ramani</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Primer composition for simplified, fast and accurate identification of scale insect group belonging to Kerria species comprising at least a first component having a sequence listing 5'-GATATTGGATTATATAATTATRKAGG-3' and at least a second component having a sequence listing 5'-GGTGACCAAAAAATCAGAATAATG-3' said components being applied in optimally effective proportions with polymerase chain reaction mix such as herein described.



No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1096/KOL/2011 A

(43) Publication Date : 22/02/2013

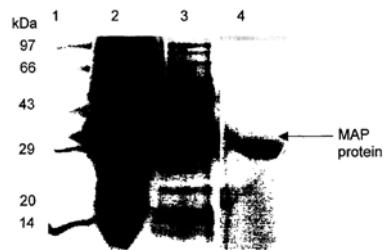
(54) Title of the invention : MAP FUSION PROTEIN

(51) International classification :C07K19/00  
(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)LUPIN LIMITED**  
Address of Applicant :159 CST ROAD, KALINA,  
SANTACRUZ (EAST), MUMBAI-400 098, STATE OF  
MAHARASHTRA, INDIA AND ALSO HAVING A PLACE OF  
BUSINESS AT 1/1, SASHI SHEKHAR BOSE ROAD,  
KOLKATA-700 025, STATE OF WEST BENGAL, INDIA  
(72)**Name of Inventor :**  
**1)SALUNKHE SHARDUL**  
**2)PADMANABHAN SRIRAM**

(57) Abstract :

The present invention relates in general to a process of production of recombinant heterologous proteins in E. coli expression system using E. coli, Yeast, fungi or mammalian methionine amino peptidase (MAP) protein as a fusion tag. Further the invention relates to the fusion proteins of MAP protein.



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

## **AMENDMENT UNDER SEC. 57 (KOLKATA)**

An application for change in the address for service of the Patentee from M/S. L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA – 700 010 to **M/S. D. P. AHUJA & CO., 53, SYED AMIR ALI AVENUE, KOLKATA – 700 019** in respect of Patent No .202628 ( 802/CAL/1999 ) 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 U/S 84(3) IN RESPECT OF APPLICANTION FOR  
RESTORATION OF PATENT (DELHI)**

Notice is hereby given that any person interested in opposing the following application for restoration of Patent under Section 60 of the Patent Act, 1970 may at any time within 2 months from the date of Publication of this notice, given notice to the Controller of Patent at the appropriate office on the prescribed form 14 under Rule 85 of the Patent Rules, 2003

PATENT NO.	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
232399	LG ELECTRONICS INC.(Republic of Korea)	STRUCTURE OF DRIVING UNIT IN DRUM TYPE WASHING MACHINE	20/06/2009	DELHI
245383	ADVANCED POLYMERIK PTY. LTD.(Australia)	PHOTOCHROMIC COMPOSITINS AND LIGHT TRANSMISSIBLE ARTICLES	03/11/2011	DELHI
236110	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH(India)	AN ARTIFICIAL BIDIRECTIONAL PROMOTER FOR ACTIVATION OF GENE EXPRESSION</TABLE	31/12/2010	DELHI
243295	PHARMACIA CORPORATION(U.S.A.)	PROCESS FOR DECREASING AGGREGATE LEVELS OF PEGYLATED PROTEIN	05/01/2011	DELHI
242953	PHARMACIA CORPORATION(U.S.A.)	METHOD FOR THE PREPARATION OF GROWTH HORMONE AND ANTAGONIST THEREOF HAVING LOWER LEVELS OF ISOFORM IMPURITIES THEREOF	21/12/2010	DELHI

**PUBLICATION U/S 60 IN RESPECT OF APPLICATION FOR  
RESTORATION OF PATENTS (CHENNAI)**

Notice is hereby given that application for restoration of under mentioned patents have been allowed and said patents are restored.

SL.NO	PATENT NUMBER	APPLICANT	TITLE	DATE ON WHICH APPLICATION FILED	APPROPRIATE OFFICE
1	223637	M/s. MAUSER-WERKE GMBH & CO. KG	PALLET CONTAINER	4/8/2011	CHENNAI
2	236845	M/s. FLEMING LABORATORIES LIMITED	PROCESS FOR THE MANUFACTURE OF BISPHOSPHONIC ACIDS AND SALTS THEREOF	23/8/2011	CHENNAI
3	198725	DR. GOPURAYAPPA SRINIVASAN	MIDGET TRANSFORMERS WITH BUILTIN STAR NODE CIRCUIT BREAKERS AND THEIR INTER NETWORK CONNECTIONS	7/9/2011	CHENNAI
4	234587	Shri. M. ABDUL RAZAK	TWO IN ONE COOKING VESSEL WITH FILTER AND VALVE	7/9/2011	CHENNAI
5	243660	Shri. S.M. SEENIMOHIDEEN	BIO-DEGRADABLE DEVICE FOR BLOOD GROUP DETECTION	7/9/2011	CHENNAI
6	243049	Shri. P.JAYAKUMAR	BLOOD HAULAGE COLD STORAGE BAG WITH TEMPERATURE INDICATOR AND WARNING ALARM	7/9/2011	CHENNAI
7	225612	M/s. J&J ASSET SECURISATION	A METHOD OF PREPARING AN ANTISEPTIC TAMPON	27/9/2011	CHENNAI
8	193024	M/s. QUALCOMM INCORPORATED	A SYSTEM FOR DIRECTING COMMUNICATIONS BETWEEN A USER OF A MOBILE STATION AND BASE STATIONS OF DIFFERENT CELLULAR SYSTEMS	5/10/2011	CHENNAI

9	210784	Shri. PAUL E. THOMSON	DETECTION AND QUANTIFICATION OF JOINT AND TISSUE INFLAMMATION	31/10/2011	CHENNAI
10	240131	Shri. K. BALAKRISHNA	A ROTATING APPARATUS	1/11/2011	CHENNAI
11	240546	M/s. QUALCOMM INCORPORATED	DIRECT CONVERSION RECEIVER	9/11/2011	CHENNAI
12	223257	1:- Shri. PRASHANTH IYER ANAND 2:- Shri. NAVEEN KAVIRATHNA	ELECTROMAGNETIC BRAKING SYSTEM	28/12/2011	CHENNAI
13	183018	M/S. PARDIES ACETIQUES	PROCESS FOR THE PREPATATION OF CARBOXILIC ACIDS OR THE CORRESPONDING ESTERS IN THE PRESENCE OF A CATALYST BASED ON IRIDIUM	5/10/2009	CHENNAI
14	183019	M/S. PARDIES ACETIQUES	PROCESS FOR THE PREPARATION OF CARBOXYLIC OR THE CORRESPONDING ESTERS IN THE PRESENCE OF A CATALYST BASED ON RHODIUM AND IRIDIUM	5/10/2009	CHENNAI
15	197968	ASON ENGINEERING INC.	AN APPARATUS AND A PROCESS FOR FORMING A NON-WOVEN WEB	20/11/2008	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 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	186421	556/DEL/1997	04/03/1997	05/03/1996	A PROCESS FOR PREPARING AN ALKYL DICYAND PIONATE	RHONE-POULENC AGROCHIMIE	12/09/2008	DELHI
2	190631	126/DEL/1995	30/01/1995		A BURNER FOR THE COMBUSTION OF FUEL	ROLLS-ROYCE POWER ENGINEERING PLC.,	18/03/2011	DELHI
3	255355	4605/DELNP/2006	26/01/2005	30/01/2004	PROCESS FOR MANUFACTURING A CHEESE OR A CHEESE DERIVED PRODUCT EMPLOYING A CARBOXYPEPTIDASE-1	DSM IP ASSETS B.V.	10/08/2007	DELHI
4	255356	1859/DELNP/2004	05/02/2003	08/02/2002	METHOD OF CONTROLLING THE DUMP POSITION OF A DRAGLINE	CMTE DEVELOPMENT LIMITED	06/04/2007	DELHI
5	255357	3913/DELNP/2006	13/01/2005	13/01/2004	PROCESS FOR PRODUCTION OF A FOOD PRODUCT	DSM IP ASSETS B.V.	10/08/2007	DELHI
6	255358	3693/DELNP/2004	12/06/2003	14/06/2002	ANTI-IGF-I RECEPTOR ANTIBODY	IMMUNOGEN, INC.	20/11/2009	DELHI
7	255359	2157/DEL/2006	29/09/2006		NOVEL HYDROXY FUNCTIONALIZED ADAMANTYL SUBSTITUTED 6-ARYL VINYL-1,2,4-TRIOXANES AND THEIR HEMISUCCINATES, USEFUL AS ANTIMALARIAL AGENTS, AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	02/05/2008	DELHI
8	255360	6647/DELNP/2006	12/07/2004	10/05/2004	A BELT FOR USE IN A SPEED GOVERNOR FOR ELEVATORS	ORONA S. COOP.	27/04/2007	DELHI
9	255362	5289/DELNP/2006	09/02/2005	13/02/2004	A PHARMACEUTICAL COMPOSITION COMPRISING A MODIFIED HUMAN IMMUNOGLOBULIN SPECIFICALLY BINDING TO THE HUMAN EpCAM ANTIGEN	MICROMET AG	03/08/2007	DELHI
10	255363	6074/DELNP/2006	19/05/2004	21/04/2004	A TELECOMMUNICATIONS SYSTEM AND A METHOD THEREOF	ORANGE S.A	31/08/2007	DELHI
11	255364	3122/DELNP/2007	26/10/2005	27/10/2004	SYSTEM AND METHOD FOR PROVIDING SECURITY FOR A WIRELESS NETWORK	MESHNETWORKS, INC	31/08/2007	DELHI
12	255365	2651/DELNP/2007	23/09/2005	15/10/2004	PROCESS FOR MAKING A PIPA-POLYOL	HUNTSMAN INTERNATIONAL LLC	03/08/2007	DELHI

13	255366	7932/DELNP/2006	06/07/2005	08/07/2004	SUBSTITUTED ACIDS FOR THE TREATMENT OF RESPIRATORY DISEASES	ASTRAZENECA AB	03/08/2007	DELHI
14	255367	4284/DELNP/2006	24/02/2005	25/03/2004	UREA GRANULATION PROCESS	STAMICARBON B.V.	03/08/2007	DELHI
15	255368	2697/DELNP/2004	06/03/2003	20/03/2002	A PROCESS FOR PREPARING EXPANDABLE VINYLAROMATIC POLYMER COMPOSITIONS	POLIMERI EUROPA S.P.A	16/10/2009	DELHI
16	255369	3833/DELNP/2005	03/03/2004	07/03/2003	ALKYL ACRYLATE COPOLYMER MODIFIED ORIENTED POLYPROPYLENE FILMS, TAPES, FIBERS AND NONWOVEN TEXTILES	E.I. DU PONT DE NEMOURS AND COMPANY.	17/08/2007	DELHI
17	255370	3870/DELNP/2004	03/06/2003	13/06/2002	PREPARATION OF 4,6-DICHLORO-5-FLUOROPYRIMIDINE	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	20/11/2009	DELHI
18	255371	1373/DEL/2007	27/06/2007 12:06:48	08/07/2006	A PROCESS FOR PRODUCING NON-AGGLOMERATING READILY SEPARABLE MIXED BED EXCHANGERS	LANXESS DEUTSCHLAND GMBH	18/01/2008	DELHI
19	255372	7611/DELNP/2006	10/06/2005	14/06/2004	IR SENSOR, ESPECIALLY A CO <sub>2</sub> SENSOR	DANFOSS IXA	03/08/2007	DELHI
20	255374	3605/DELNP/2006	10/02/2005	12/02/2004	A COMPOSITION COMPRISING A PYRIDYLETHYL BENZAMIDE DERIVATIVE OF GENERAL FORMULA (I) AND A COMPOUND CAPABLE OF INHIBITING THE METHIONINE BIOSYNTHESIS	BAYER CROPSCIENCE AG.,	31/08/2007	DELHI
21	255375	3053/DEL/2005	16/11/2005		A PROCESS FOR INCREASING THE NUMBER OF FREQUENCY SPOTS FOR GIVEN RESOURCES OF A FREQUENCY SYNTHESIZER	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION	05/09/2008	DELHI
22	255376	6489/DELNP/2006	12/04/2005	13/04/2004	AN INDENE DERIVATIVE OF FORMULA (I)	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, JEIL PHARM.CO;LTD, KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY ,CJ CORP	31/08/2007	DELHI
23	255377	279/DEL/2005	09/02/2005	10/02/2004	A METHOD AND APPARATUS OF COMMUNICATING IN A RADIO COMMUNICATION SYSTEM	RESEARCH IN MOTION LIMITED	29/12/2006	DELHI
24	255378	3772/DELNP/2005	02/03/2004	03/03/2003	A SYSTEM FOR PROVIDING CONDITIONAL ACCESS TO USERS IN A PAY T.V SYSTEM	NAGRAVISION S.A.,	10/08/2007	DELHI
25	255379	641/DELNP/2007	28/04/2006	31/05/2005	A DISPOSABLE DIAPER	THE PROCTER & GAMBLE COMPANY	03/08/2007	DELHI

26	255380	38/DELNP/2005	31/07/2003	31/07/2002	EFFECTOR CONJUGATE OF EPOTHILONE AND EPOTHILONE DERIVATIVES	SCHERING AG,	20/03/2009	DELHI
27	255381	5284/DELNP/2006	14/02/2005	13/02/2004	FUSED-RING 4-OXOPYRIMIDINE DERIVATIVE	MSD K. K.	03/08/2007	DELHI
28	255382	2414/DEL/2006	06/11/2006		A PROCESS OF PREPARATION OF CADMIUM SULPHIDE/GLASS NANOCOMPOSITE CONTAINING CDS QUANTUM DOTS	THE SECRETARY,DEPARTMENT OF INFORMATION TECHNOLOGY,MINISTRY OF COMMUNICATION & INFORMATION TECHNOLOGY AND CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY	05/09/2008	DELHI
29	255383	7557/DELNP/2006	22/06/2005	22/06/2004	A NUTRITIONAL COMPOSITION	N.V.NUTRICIA	31/08/2007	DELHI
30	255384	1646/DEL/2003	31/12/2003		A NOVEL ADHESIVE AND A PROCESS FOR PREPARING THE SAME	INDIAN INSTITUTE OF TECHNOLOGY-DELHI (IITD)	12/03/2010	DELHI
31	255385	3077/DELNP/2004	24/03/2003	12/04/2002	A SEMI-SYNTHETIC PROCESS FOR THE PREPARATION OF N DEBENZOYLAPACLITAXEL	INDENA S.P.A.	13/11/2009	DELHI
32	255386	3862/DELNP/2006	07/01/2005	08/01/2004	A PROCESS FOR PREPARING A POLYMER COMPOSITION	HERCULES INCORPORATED	27/04/2007	DELHI
33	255387	3876/DELNP/2004	21/05/2003	22/05/2002	AN ISOLATED POLYNUCLEOTIDE AND RECOMBINANT VECTOR ENCODING A POLYPEPTIDE HAVING DESATURASE ACTIVITY	MONSANTO TECHNOLOGY, LLC	08/01/2010	DELHI
34	255391	7135/DELNP/2006	08/06/2005	10/06/2004	BENEFIT AGENT CONTAINING DELIVERY PARTICLE	THE PROCTER & GAMBLE COMPANY	24/08/2007	DELHI
35	255393	1837/DELNP/2007	09/08/2005	09/08/2004	FOOD PRODUCTS FOR DIABETICS	ENZYMOTEC LTD.	27/04/2007	DELHI
36	255395	4789/DELNP/2006	14/02/2005	13/02/2004	METHOD FOR PRODUCING GLYCOPROTEINS HAVING AN IMPROVED SIALYLATION	GLYCOTOPE GMBH	15/06/2007	DELHI
37	255403	437/DELNP/2005	03/07/2003	05/07/2002	METHOD AND SYSTEM FOR PERFORMING EVENT DETECTION AND OBJECT TRACKING IN IMAGE STREAMS	ASPECTUS LTD.	20/03/2009	DELHI
38	255406	3061/DELNP/2004	31/03/2003	01/04/2002	TOOTHBRUSH	COLGATE-PALMOLIVE COMPANY	29/01/2010	DELHI
39	255412	5498/DELNP/2007	12/08/2003	13/08/2002	APPARATUS AND METHODS FOR DETECTING DNA IN BIOLOGICAL SAMPLES	HAI KANG LIFE CORPORATION LIMITED	17/08/2007	DELHI
40	255414	6371/DELNP/2006	03/11/2004	08/04/2004	A COSMETIC COMPOSITION COMPRISING COFFEE CHERRY EXTRACT	VDF FUTURECEUTICALS, INC	31/08/2007	DELHI

41	255419	2497/DEL/2005	15/09/2005		A NOVEL CATALYST USEFUL FOR THE REMOVAL OF PATHOGENS FROM WASTEWATER	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	02/10/2009	DELHI
42	255421	6758/DELNP/2006	05/05/2005	10/06/2004	MEMORY DEVICE WITH A DATA HOLD LATCH	FREESCALE SEMICONDUCTOR, INC.	31/08/2007	DELHI
43	255422	84/DEL/2003	03/02/2003	27/03/2002	TERMINAL POST CAPABLE OF DELAYING ACIDIFICATION THEREOF	CSB BATTERY CO., LTD.	17/12/2010	DELHI
44	255423	2971/DELNP/2005	16/12/2003	19/12/2002	WATER BASED HEATSET OFFSET LITHOGRAPHIC INK COMPOSITIONS	SUN CHEMICAL CORPORATION	02/10/2009	DELHI
45	255429	4126/DELNP/2006	16/02/2005	18/02/2004	A CURABLE FIRE RETARDANT COMPOSITION	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH	17/08/2007	DELHI
46	255430	5273/DELNP/2007	14/12/2005	24/12/2004	SENSING BOARD ASSEMBLY FOR SECONDARY BATTERY MODULE	LG CHEM, LTD.	17/08/2007	DELHI
47	255432	773/DELNP/2008	17/08/2006	19/08/2005	A SOLID LAUNDRY DETERGENT COMPOSITION COMPRISING ANIONIC DETERGENT SURFACTANT AND A CALCIUM-AUGMENTED TECHNOLOGY	THE PROCTER & GAMBLE COMPANY	04/07/2008	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.**

Serial Number	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	255388	1274/MUM/2005	10/10/2005		NOVEL CRYSTALLINE POLYMORPHIC FORM OF A CAMPTOTHECIN ANALOGUE	CIPLA LIMITED	29/06/2007	MUMBAI
2	255389	1578/MUM/2008	24/07/2008 12:07:37		A PROCESS FOR PREPARATION OF PHOSPHORUS FROM PHOSPHORIC ACID AND CARBON	EXCEL INDUSTRIES LTD	29/01/2010	MUMBAI
3	255398	543/MUMNP/2008	25/08/2006	25/08/2005	METHOD FOR CONTROLLING A RADIO FREQUENCY TRANSMITTER AND A TRANSMITTER THEREOF	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
4	255415	830/MUM/2005	11/07/2005		NOVEL PROCESS FOR SYNTHESIS OF 3-(2-THIENYL THIO) BUTYRIC ACID	BAKUL FINECHEM RESEARCH CENTRE	24/08/2007	MUMBAI
5	255420	1093/MUMNP/2006	04/03/2004	04/03/2004	REDUCING LATENCY IN PUSH TO TALK SERVICES	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	13/04/2007	MUMBAI
6	255424	1063/MUMNP/2008	22/11/2006	16/12/2005	SURFACE-ACTIVE MATERIAL AND ITS APPLICATION	HINDUSTAN UNILEVER LIMITED	19/12/2008	MUMBAI
7	255425	2277/MUMNP/2008	25/04/2007	25/04/2006	INHIBITORS OF 11-BETA-HYDROXYSTEROID DEHYDROGENASE 1	ELI LILLY AND COMPANY	16/01/2009	MUMBAI
8	255426	679/MUMNP/2010	30/09/2008	12/10/2007	A SUBSTITUTED PYRIDINYLPIPERAZINE COMPOUNDS AS L5-HT7 RECEPTOR ANTAGONISTS	ELI LILLY AND COMPANY	20/08/2010	MUMBAI
9	255427	1416/MUMNP/2008	18/01/2007	18/01/2006	PREPARATION AND USE OF MAGNESIUM AMIDES	LUDWIG-MAXIMILIANS UNIVERSITAT MUNCHEN	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.**

Serial Number	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	255373	1656/CHENP/2004	19/06/2003	31/07/2002	BULGED SINGLE-HINGED SCORED RUPTURE DISC HAVING A NON-CIRCULAR VARYING DEPTH SCORE LINE	FIKE CORPORATION	24/02/2006	CHENNAI
2	255390	455/CHENP/2008	26/06/2006	28/06/2005	POWDERED LIME COMPOSITION, METHOD OF PREPARING SAME AND USE THEREOF	S.A. LHOIST RECHERCHE ET DEVELOPPEMENT	19/09/2008	CHENNAI
3	255392	4072/CHENP/2006	27/04/2005	06/05/2004	PHOTOPOLYMER PRINTING PLATE PRECURSOR	AGFA GRAPHICS N V	29/06/2007	CHENNAI
4	255394	1976/CHE/2005	30/12/2005		METHOD OF SEAMLESSLY EXCHANGING DIGITAL RIGHTS MANAGEMENT (DRM) CONTENT BASED ON USER LOCATION	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	27/07/2007	CHENNAI
5	255397	1490/CHE/2004	31/12/2004		METHOD AND DEVICE FOR SENDING RESPONSE TO AN UNANSWERED/REJECTED INCOMING CALL	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD.	08/04/2005	CHENNAI
6	255399	753/CHENP/2007	05/07/2005	21/07/2004	METHOD AND DEVICE FOR CALIBRATING EDGE CUTTERS AND SHEARING HEADS	SMS Siemag Aktiengesellschaft	24/08/2007	CHENNAI
7	255400	324/CHE/2006	24/02/2006 18:13:43		A SYSTEM AND METHOD FOR DATA DELIVERY IN CONJUNCTION WITH A HYBRID AUTOMATIC RETRANSMISSION MECHANISM IN CDMA COMMUNICATION SYSTEMS	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	23/11/2007	CHENNAI
8	255401	1968/CHENP/2008	04/09/2006	21/09/2005	DRIVE ARRANGEMENT FOR ROLLING MILL	SMS Siemag Aktiengesellschaft	06/02/2009	CHENNAI
9	255402	640/CHENP/2007	14/07/2005	14/07/2004	A LOCKING DEVICE FOR A QUICK-ACTION CONNECTION COUPLING	WEH, Erwin, WEH, Wolfgang	24/08/2007	CHENNAI

10	255405	4036/CHENP/2006	31/03/2005	02/04/2004	CIS-3-[8-AMINO-1-(2-PHENYL-QUINOLIN-7-YL)-IMIDAZO[1,5-A]PYRAZIN-3-YL]-1-METHYL-CYCLOBUTANOL	OSI PHARMACEUTICALS LLC	15/06/2007	CHENNAI
11	255413	103/CHENP/2007	08/06/2005	11/06/2004	INTRAMEDULLARY ROD WITH SPIRALING FLUTES	SYNTHES GmbH	24/08/2007	CHENNAI
12	255418	2155/CHENP/2008	19/10/2006	31/10/2005	NOVEL PROCESS FOR THE PREPARATION OF ACID CHLORIDES	F. HOFFMANN-LA ROCHE AG	06/03/2009	CHENNAI
13	255428	4146/CHENP/2006	11/05/2005	11/05/2004	CHIRAL PHOSPHINE LIGANDS, THEIR PREPARATION AND CATALYST THEREOF	THE HONG KONG POLYTECHNIC UNIVERSITY	22/06/2007	CHENNAI
14	255435	2684/CHENP/2004	13/05/2003	31/05/2002	A METHOD FOR PRODUCTION OF CRYSTALLINE MATERIAL	PROSONIX LIMITED	10/02/2006	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.**

Serial Number	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	255361	3559/KOLNP/2006	10/06/2005	10/06/2004	A VIBRATION CANCELLING FORCE GENERATOR TO CONTROL HELICOPTER VIBRATIONS AND A METHOD AND SYSTEM TO PRODUCE IT	LORD CORPORATION	15/06/2007	KOLKATA
2	255396	311/KOL/2006	05/04/2006	09/01/2006	A COMPRESSOR SYSTEM ADAPTABLE TO SUPPLY COMPRESSED AIR FOR PNEUMATIC DRILLING OF SOIL AND/ OR ROCK	ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP	20/07/2007	KOLKATA
3	255404	1743/KOL/2007	27/12/2007	26/01/2007	A BELT-TYPE CONTINUOUSLY VARIABLE TRANSMISSION HAVING A RESIN BLOCK BELT FOR A MOTORCYCLE	YAMAHA HATSUDOKI KABUSHIKI KAISHA	22/08/2008	KOLKATA
4	255407	1516/KOL/2007	02/11/2007		VEHICLE RUN BY COMPRESSED AIR WITHOUT USING PETROLEUM FUEL	MR. REMY LINUS	05/06/2009	KOLKATA
5	255408	3585/KOLNP/2007	07/03/2006	07/03/2005	A CASTING TECHNOLOGY TO A BUILD UP MOLD FOR CONTINUOUS CASTING OF PLATE BILLET	ANGANG STEEL COMPANY LIMITED	18/01/2008	KOLKATA
6	255409	2455/KOLNP/2007	20/02/2006	24/02/2005	A METHOD AND SYSTEM FOR MONITORING OPERATION OF A FLAME IGNITOR	ALSTOM TECHNOLOGY LTD.	24/08/2007	KOLKATA
7	255410	702/KOLNP/2008	21/08/2006	23/08/2005	A CONNECTING DEVICE FOR CONNECTION OF WINDING ENDS OF A STATOR OF AN ELECTRIC MOTOR	EBM-PAPST MULFINGEN GMBH & CO.KG.	21/11/2008	KOLKATA
8	255411	1635/KOL/2007	04/12/2007	20/12/2006	AN EXHAUST SYSTEM FOR AN ENGINE OF MOTORCYCLES	YAMAHA HATSUDOKI KABUSHIKI KAISHA	18/07/2008	KOLKATA
9	255416	2597/KOLNP/2007	15/12/2005	15/12/2004	WATER BORNE COATING COMPOSITION CONTAINING THIOL FUNCTIONAL COMPOUNDS	AKZO NOBEL COATINGS INTERNATIONAL B.V.	24/08/2007	KOLKATA

10	255417	696/KOL/2004	08/11/2004	10/11/2003	PASTEURISING INSTALLATION FOR THE PASTEURISATION PRODUCTS IN CONTAINERS	KHS GMBH	25/08/2006	KOLKATA
11	255431	1175/KOL/2007	27/08/2007	23/10/2006	ABSORPTION CHILLER- HEATER	SANYO ELECTRIC CO., LTD.	01/05/2009	KOLKATA
12	255433	2281/KOLNP/2 007	30/11/2004	30/11/2004	CHEWING GUM FOR RELEASE OF TOBACCO ALKALOID	FERTIN PHARMA A/S	17/08/2007	KOLKATA
13	255434	2322/KOLNP/2 006	11/02/2005	13/02/2004	THERAPEUTIC CALCIUM PHOSPHATE PARTICLES AND METHODS FO MAKING AND USING SAME.	NOD PHARMACEUTICALS,INC	25/05/2007	KOLKATA
14	255436	3004/KOLNP/2 006	12/04/2005	16/04/2004	APPARATUSES AND METHODS FOR GENERATING A PARAMETER REPRESENTATION OF A MULTI-CHANNEL INPUT SIGNAL	DOLBY INTERNATIONAL AB	08/06/2007	KOLKATA

***CONTINUED TO PART- 2***