

বাংলাদেশ



গেজেট

কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, মে ২২, ২০১৪

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ।

পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর  
শিল্প মন্ত্রণালয়

গৃহীত পেটেন্ট দরখাস্ত  
Accepted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদনপত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরীর বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময় সীমার মধ্যে যে কোন সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ ইং সনের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংক বিশিষ্ট সংখ্যাগুলি পূর্ণাঙ্গ বিশেষত্বনামা গৃহীত হইবার পর পেটেন্ট নম্বর প্রদান করা হইয়াছে এবং এই ক্রমিক সংখ্যা অনুসারে বিনির্দেশ মুদ্রণ করা হইবে এবং পরবর্তী কার্যক্রম গ্রহণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পূর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরে প্রদর্শিত হয়। যে কোন আবেদনকারী প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যায়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফিসহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অধাধিকার তারিখ রূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসঙ্গে উল্লিখিত হইয়াছে।

Notice is hereby given that all persons interested in opposing the grant of patent on any of the application referred to below may at any time within four months from the date this Gazette, give notice at the Department of Patents, Designs & Trademarks (Patent & Design Wing), Ministry of Industries (5<sup>th</sup> floor), 91, Motijheel C/A, Dhaka-1000, Bangladesh in the Prescribed form-6 of the Patents and Designs Rules, 1933.

The seven Figures numbers shown in the right hand side are those given to the application on acceptance of the complete specifications and under which the specifications will printed and subsequent proceeding will be taken.

The complete specifications of the accepted applications are open to the public inspection at this office at any time on all working days, if required typed copies of the specifications can be supplied by this office on payment of the prescribed charge which may be ascertained on application to this office.

The Priority dates of the applications and the names of the countries in which the application to have been filed first are shown in the crescent brackets. The priority dates are claimed Under Section 78A of the Patents and Designs Act. 1911/provisions under this Paris Convention.

- 113/2012 Vestergaard Frandsen SA  
(Whose legal address is,  
Switzerland) Priority:  
PCT/DK 2011/050148  
02-05-2011 WO
- ÆMETHOD FOR REGULATING MIGRATION OF  
INSECTICIDE OR ACARICIDE IN A POLYMER  
FIBRE BY STRETCHING”
- IPC : A01N 25/10, 25/34  
1005437
- Abstract:** A method for producing an insecticidal or acaricidal or acaricidal polymer filament, where the retention effect of Carbon Black on the migration of the insecticidal acaricide is counteracted by a low draw ratio. The method comprising mixing insecticidal or acaricidal polymer with the insecticide and the Carbon Black into a filament, drawing the filament at a draw ratio of 3 to 7.7 and thereby obtaining a stretched filament with 80 to 1000 denier.
- 126/2012 Yamato Mishin Seizo Kabushiki  
Kaisha (whose  
legal address is 4-12,  
Nishi-Temma 4-chome,  
Kita-ku, Osaka-shi, Osaka  
530-0047, Japan., Japan)  
Priority : 2011-115174  
23-05-2011 JP
- ÆSEAM RAVEL PREVENTING METHOD, SEAM  
RAVEL PREVENTING APPARATUS AND  
SEAM STRUCTURE”
- IPC : D05B 1/0, 61/10  
1005469
- Abstract:** A thread hook and a looper thread holder are arranged on a rear side of a needle drop position of a sewing machine. When usual sewing is completed the thread hook and the looper thread holder sewing and move close to a looper. A hook part provided at a tip end of the thread hook holds a needle thread loop caught by the looper and positions it on an advance end side of the looper away from the needle drop position, and a thread receiving part provided at a tip end of the looper thread holder holds a looper thread extending from the looper to cloths and positions it on the front side away from the needle drop position. The sewing machine performs sewing for at least one stitch while maintaining positions of the needle thread loop and the looper thread. The occurrence of ravel peculiar to a seam of multi thread chain stitching can be prevented effectively without being affected by tension forces applied to the needle thread and the looper thread.
- 127/2012 SMART COMMUNICATIONS,  
INC. (whose legal address  
is Smart Tower, 6799  
Ayala Avenue, 1226,  
Makati City, Philippines)  
Priority : 201103365-1  
11-05-2011 SG
- ÆSYSTEM AND METHOD FOR ROUTING  
ELECTRONIC CONTENT TO A RECIPIENT DEVICE”
- IPC : H04L 12/54, H04W 28/02  
1005428
- Abstract:** A system and method for routing electronic content to a recipient device comprising a plurality of network nodes, each network node adapted to receive and forward electronic content and an activity profile server adapted to be in data communication with each network node, the activity profile server adapted to monitor the activity level of each network node and inform each network node on the congestion level of an adjacent network node; wherein each network node is adapted, on receiving the information on congestion level to store electronic content if the adjacent network node is congested and forward the electronic content to the adjacent network node if the adjacent network node is not congested is disclosed.

- 128/2012 SMART COMMUNICATIONS, INC. (whose legal address is Smart Tower, 6799 Ayala Avenue, 1226, Makati, Philippines)  
Priority : 201103396-6  
12-05-2011 SG
- ÆSYSTEM AND METHOD FOR DISPLAYING AN IDENTIFIER OF A SOURCE ON A RECIPIENT DEVICE”  
IPC : H04M 1/57  
1005429
- Abstract:** A system and method for displaying an identifier of a source on a recipient device in communication with the source, the system comprising an association database defining at least one source associated with the recipient device; and a processing manager arranged to process communications from the source to the recipient device and arranged to access the association database to determine if the source is associated with the recipient device and, if so to display an established identifier of the source, otherwise to determine the privacy settings of the source and display a further identifier on the recipient device in accordance with the determined privacy settings is disclosed.
- 131/2012 Alhaj Syed Abdul Matin (whose legal address is Sonadanga, Residential Area 2 nd phase, House No-207, Road No-10, Khulna, Khulna, Bangladesh):  
Priority :
- ÆA NOVEL PROCESS OF PREPARING ORGANIC FERTILIZER FROM MAHOGANY CAKE”  
IPC : A 01N 41/02, 43/16  
1005453
- Abstract:** A novel process of preparing organic fertilizer from mahogany cake where at first brown mahogany seeds are collected from mahogany seeds which are dried for 2 to 3 days under sunlight, where moisture content in seeds are maintaining 10 to 12%, crushed the seeds through electrical explorer machine with spraying 1% hit water and the cakes are produced and separated from mahogany oil. Then 30% to 40% of cow dung and 8% to 10% water are mixed with 60% to 70% of mahogany oil cake dust; transferred all materials into a squire house with well air flow ventilation system; decomposed the fertilizer mixer for 15 to 20 days and maintaining pH from 4.5 to 6-7 and moisture contain from 9.3% to 15-20% and then it will be ready for use in crop field as a fertilizer.
- 133/2012 Alhaj Syed Abdul Matin (whose legal address is Sonadanga, Residential Area 2 nd phase, House No-207, Road No-10, Khulna, Khulna, Bangladesh)
- ÆA NOVEL PROCESS OF PREPARING MAHOGANY TEA FROM MAHOGANY LEAVES”  
IPC : A 23F 3/00  
1005454
- Abstract:** A novel process of preparing tea from mahogany leaves where matured mahogany leaves are collected from mahogany plants; cleaned the mahogany leaves with purified water; dried the leaves from 250C to 300C temperature; cutting the dried leaves into small pieces when the moisture of leaves is reached at 10% and keeping the chopped leaves into air tight arrangement for 10-15 days in obtaining real tea flavor, then the airtight chopped mahogany leaves is ready for drinking as mahogany tea.
- 136/2012 VESTERGAARD FRANDSEN SA(whose legal address is BUSINESS AT CHEMIN MESSIDOR 5-7, CH-1006 LAUSANNE, SWITZERLAND, Switzerland)  
Priority : PCT/D-K 2011/OS0176  
26-05-2011 CH
- ÆSINTERED GLASS FOR RELEASE OF NUTRIENTS OR OTHER AGENTS”  
IPC : C02F 1/68, C03B 19/10, C03C 4/00  
1005417
- Abstract:** A sintered glass matrix containing nutrients or other agents in the pores is used for controlled release of the agent to water, for example as part of a water filtration device. The material in the pores has a lower solubility in the aqueous medium than the glass such that the dissolution of the glass determines the release of the material from the pores.

- 140/2012 SICPA HOLDING SA  
(whose legal address is  
AV. DE FLORISSANT  
41, PRILLY 1008,  
SWITZERLAND.,  
Switzerland)  
Priority : 11167522.9  
25-05-2011 US
- ÆPOLYMER-BONDED QUATERRYLENEAND/OR  
TERRYLENE DYES AND COMPOSITIONS  
CONTAINING SAME”  
IPC : B 41M 3/14, B 42D 15/00, C 09D 11/00  
1005441  
**Abstract:** The invention Fovides a method of increasing the solubility and/or dispersibility of a quaterrylene and /or terrylene dye in a liquid medium such as, e.g., a liquid medium comprised in printing ink composition. The method compnses binding the quaterrylene and/or terrylene aye to a polymer which is soluble in the liquid medium, The invention also provides a printing ink composition which comprises a polar liquid medium that has at least one polymer-bonded quaterrylene and/or terrylene aye on the person invention as set forth above (including the various aspects thereof) dissolved or dispersed therein, The invention also provides a marking or security feature which is made with the printing ink composition of the present invention as set forth above (including the various aspects thereof).
- 144/2012 Quazi Hamidul Bari  
(whose legal address is  
House No. 5, Flat No. E KUET  
Campus, Khulna  
9203, Bangladesh,  
Bangladesh)  
Priority:
- ÆCOLUMN TYPE SOLAR DESALINATION UNIT”  
IPC : B01D 1/26, B 01J 49/00  
1005461  
**Abstract:** Column Type Solar Desalination Unit produces Distilled water utilizing solar heating of porous ceramic column and said porous ceramic column and saline water absorbed in the said porous ceramic column made of hollow porous ceramic blocks placed concentrically inside a transparent outer column acting as both vaporization chamber and condensation chamber and vaporizing salty water with the latent heat of both said porous ceramic column and said absorbed salty water thereon in said outer transparent column and the inner surface of said outer transparent column used to condense the vapors, a bottom container is made of the bottom part of the said transparent outer column to collect the condensate or salt free water, to an external collection container. A raw water container is placed on an insulating pad over the said bottom container using a small internal frame and under the said porous ceramic column used to hold raw water to be absorbed by the said porous ceramic column for evaporation and used to overflow the excess wash water means the water contain salt solution of the deposited salt on the said porous ceramic column and/or excess raw salty water as the said raw water container is connect with a short overflow pipe.
- 149/2012 LAKSH MI MACHNE WORKS  
LTD (whose legal address is  
Perianaickenpalayam,  
Coimbatore-641 020,  
Tamil Nadu State, India, India)  
Priority:
- ÆFLAT END CONNECTOR OF A TEXTILE CARDING  
MACHINE”  
IPC : D 01G 15/24  
1005448  
**Abstract:** According to the present invention, the carding flat assembly comprises two replaceable end strips which are coupled to the flat end connectors of a carding flat by means of at least one connecting pin on each side of the flat. So that the said end strip can be positioned precisely in the flat head and hence the final precision of the flats improved without the final machining correction that usually involved in manufacturing of flat.

- 154/2012 INSTITUTE OF MEDICINAL PLANT DEVELOPMENT, CHINESE ACADEMY OF MEDICAL SCIENCES (whose legal address is Malianwa Road North 151, Haidian, Beijing 100093, China, China) Priority:
- INFUSION DEVICE FOR PRODUCING AGARWOOD AND METHOD FOR PRODUCING AGARWOOD  
IPC : A 47J 31/36, 31/46  
1005433
- Abstract:** The present invention provides an infusion device, comprising a liquid reservoir and an infusion tube, wherein the liquid reservoir has a bottom outlet and is configured to store agarwood inducing liquid, and the infusion tube is communicated with the liquid reservoir and configured to infuse the agarwood inducing liquid from the liquid reservoir to the tree trunk. The device conveniently and accurately delivers the agarwood inducing liquid to a trunk of a tree body, boughs at tree top and side branches so as to achieve whole-tree agarwood-induction. Agar-Wit™ I The device can be applied to A. sinensis with different tree ages and diameters at the breast height to produce the agarwood, overcomes disadvantages such as fast infusion speed and failure to precisely measure and control, and liability to injury of the bark and tree trunk in a large area to cause decay and death, and substantially reduces a death rate of trees. The device can be reused, and is easy to mass produce, and can be easily spread in a large area.
- 164/2012 SICPA HOLDING SA (whose legal address is AVENUE DE FLORISSANT 41, 1008 PRILLY, SWITZERLAND, Switzerland) Priority : US-61/493,710 06-06-2011 US
- ÆINLINE DECAY-TIME SCANNER™  
IPC : G01N 21/64,  
1005444
- Abstract:** The disclosed scanner allows detecting decay time characteristics of light emitted by a luminescent marking on an item which is transported, even at high speed, on a distribution/production line. The detection zone of the scanner's light sensor has a shape elongated along a part of the moving item, and the responsivity of the light sensor, within the wavelength range of the emitted luminescence light, is uniform over the detection zone. The control unit of the scanner is further operable to adapt the drive current, or drive voltage, powering its excitation light source to accordingly adapt the intensity of the excitation light delivered to the marking so that its light sensor can reliably measure the corresponding luminescence light response, and thus accurately determine a corresponding decay time value.
- 165/2012 Md. Abdullah Faruque (whose legal address is S/O Late Jalaluddin Mia and Late Begum Motahera Banu, 4/9-A, Iqbal Road, Flat B-4, Mohammadpur, Dhaka-1207, Bangladesh.
- ÆLIFE SAVING CAPSULE™  
IPC : B 63B 35/28, B63C 9/30  
1004050
- Abstract:** We are introducing Life Saving Capsule which is very easy to use, portable and designed to save maximum amount of people from all kind of water disasters. This is cylindrical shaped life saver, which takes in very less space but is highly sufficient and a true saver during any kind of water transport accidents. In our country every year, several times water transport accident occurs. Many people die for water transport accidents. By using life saving capsule properly, then many people can be saved.

166/2012 TATA CHEMICALS LIMITED  
(whose legal address is Bombay  
House 24 HOM Jvlodi Street,  
:tvLumbai-40000 1, India,  
India. Priority:

ÆWATER PURIFIER”

IPC : C 02F 1/00  
1005445

**Abstract:** A gravity based water purifier is disclosed. The gravity based water purifier comprises an outer casing defining an inlet for receiving water to be purified, a recess to receive a cartridge holding a purification medium, a cavity to receive an end of life chamber, a passage connecting the cavity to the recess, and a purifier outlet. The purifier also includes a cartridge defining a purification medium defining a top and bottom surface and including a cartridge inlet and a cartridge outlet. Water to be purified is positioned proximate the bottom surface and a cartridge outlet. Purified water is also positioned proximate the bottom surface, the cartridge further includes an outlet passage for conveying water exiting the purification medium to the cartridge outlet. The cartridge is configured to be received in the recess such that a recess chamber is defined there between, an accumulation chamber is formed between the cartridge and the outer casing and the cartridge outlet is in fluid communication with the purifier outlet. An end of life chamber is placed in the cavity and includes an inlet in fluid communication with the accumulation chamber and an outlet in fluid communication with the recess chamber via the passage. The end of life chamber further containing at least one water soluble tablet and a plunger with a plug configured to close the inlet or the outlet of the end of life chamber when the water soluble tablet is dissolved after a predetermined amount of water passes through the water purifier, such that water entering the water purifier through the inlet in the outer casing travels through the end of life chamber, the cartridge and passes through the cartridge in an upward flow before exiting from the water purifier.

179/2012 JEE STEEL CORPORATION  
(Whose legal address is 2-3,  
Uchisaiwai-Cho 2 Chome,  
Chiyoda-Ku, Tokyo 100-0011,  
Japan, Japan) Priority

ÆSTEEL MATERIAL HAVING EXCELLENT  
ATMOSPHERIC CORROSION RESISTANCE”

IPC: C 22C 38/00  
1005462

**Abstract:** Provided is a steel material having the excellent atmospheric corrosion resistance. To be more specific, the steel material having the excellent atmospheric corrosion resistance which is characterized by having the composition which contains, by mass%, more than 0.06% and less than 0.14% C, 0.05% or more and 2.00% or less Si, 0.20% or more and 2.00% or less Mn, 0.005% or more and 0.030% or less P, 0.0001% or more and 0.0200% or less S, 0.001% or more and 0.100% or less Al, 0.10% or more and 1.00% or less Cu, 0.10% or more and 0.65% or less Ni, 0.0001% or more and 1.000% or less Mo, preferably 0.005% or more and 1.000% or less Mo, 0.005% or more and 0.200% or less Nb, and Fe and unavoidable impurities as a balance. [Selected Drawing] none.

- 181/2012 CHIKKA PTE LTD  
(whose legal address is 24 Raffles Place, # 27-01 Clifford Centre, Singapore 048621, Singapore) Priority: 61/502,462 29-06-2011 US
- ÆSYSTEM AND METHOD FOR ADJUSTING THE AMOUNT OF DATA BANDWIDTH PROVIDED TO A MOBILE DEVICE”  
IPC : H 04W 4/86, 72/04 1005434
- Abstract:** The invention provides a system for adjusting the amount of data bandwidth provided to a mobile device comprising a bandwidth adjustment facilitator arranged to receive a request from the mobile device for adjusting the amount of data bandwidth; a bandwidth throttler in communication with the bandwidth adjustment facilitator; the bandwidth throttler adapted to cap or allocate excess available data bandwidth to the mobile device; wherein on receipt of the request, the bandwidth adjustment facilitator process the request and if the request is successfully processed, adjusts the data bandwidth provided to the mobile device via the bandwidth throttler. The system may further be adapted for billing/charging based on either pay-per-specified-time model or pay per action model. The invention is conveniently suited for use in telecommunications system and does not require modifications to be made to existing telecommunications system.
- 186/2012 Glaxo Group Limited (whose legal address is Berkeley Avenue, Greenford, Middlesex UB60NN, United Kingdom, United Kingdom) Priority : 61/505075 06-07-2011 US
- ÆMETHOD OF LIPIDS EXTRACTION FROM NATURAL SOURCES”  
IPC : A 23L 1/48, C 07F 9/00 1005464
- Abstract:** In general the present invention relates to uses of voltage-gated sodium channel blocker compounds, which include corresponding precursors, intermediates, monomers and dimers, corresponding pharmaceutical compositions, compound preparation and treatment methods for respiratory and respiratory tract diseases. In particular, the present invention also relates to methods and uses for treatment of respiratory or respiratory tract diseases, which comprises administering to a subject in need thereof an effective amount of a compound of the present invention.
- 187/2012 Yushun CHANG (whose legal address is Heng Tang 128 Industrial Area, Tangxia Town, Dongguan City, Guangdong 523000, China., China) Priority :
- ÆECOLOGICAL GREENING WALL AND CONSTRUCTION METHOD THEREOF.”  
IPC : A01G 9/02, B 04B 2/02,E01F 8/02 1005449
- Abstract:** An ecological greening wall and a construction method thereof are provided. The ecological greening wall comprises a plurality of fixed poles (2) arranged at intervals on the ground (1), and a reinforcement (3) with openings is fixedly connected between the fixed poles (2) and arranged along the fixed poles (2) in a vertical direction stacked vegetation bags (4) for greening are provided on at least one side of the reinforcement (3), and each includes a breathable and permeable bag body (41) and a vegetation base material (42) filled in the bag body (41). The bag body (41) and the reinforcement (3) are fixedly connected together by a reinforcing wall (6) so as to form a whole body by the reinforcing wall (6), the reinforcement (3) and the vegetation bag (4). The ecological greening wall has a simple and firm structure, and it is easy to be constructed.

- 188/2012 SAIPEM S.P A (whose legal address is SAN DONATO MILANESS Via Martiri dia Celfalonia 67, Italy., Italy)  
Priority:  
M12011A001299  
12/07/2011 IT
- æUREA REACTOR TRAY, REACTOR, AND PRODUCTION PROCESS”  
IPC: B01D 3/00, 3/22  
1005467  
**Abstract:** A urea reactor tray (4) having a base plate (10); and a number of hollow cup-shaped members (11,11A), which project vertically from the base plate (10) along respective substantially parallel axes (A) perpendicular to the base plate (10), and have respective substantially concave inner cavities (17,37) communicating with respective openings (15) formed in the base plate (10); the tray (4) having a number of first cup-shaped members (11), each of which extends axially between an open top end (21) having the opening (15), and a closed bottom end (22), and has a lateral wall (23) with through holes (25) substantially crosswise to the axis (A), and a bottom wall (24) which closes the closed bottom end (22) and has no holes.
- 190/2012 Lo Limited (whose legal address is Flat 610 Grand City plaza , I Sai Lau Kok Road, Tsuen Wan, Hong Kong, China)  
Priority: 1112102.7  
14/07/2011 GB
- æSYSTEM FOR DECOMPOSITION OF ORGANIC COMPOUNDS AND METHOD OF OPERATION THEREOF”  
IPC: C07F 15/00,C 09K 12/06,H 01L 51/30  
1005471  
**Abstract:** The present invention relates to an aerobic system for decomposition of aqueous organic waste. The system has at least a first processing container including sides, The container having a capacity from 100m<sup>3</sup> to 30,000m<sup>3</sup> and provided with an upper opening with an area from 100m<sup>2</sup> to 20,000m<sup>2</sup>, a substantially horizontal floor with an area from 100m<sup>2</sup> to 10,000m<sup>2</sup> and a depth from 1m to 3m, an inlet for waste or waste water to be treated in the first processing container and an outlet for water treated in the first processing container, at least one channel arranged at the floor having an upwardly opening mouth for collecting moulds, worms or worm-like living organisms, parasites and other sediments, the channel having a width less than 0.5m and a depth from 0.5m to 1m, and a ventilating pipe extending above the month, the ventilating pipe having a multiplicity of apertures, and a pump connected to the pipe and arrange to provide a supply of a gas comprising mixture of compressed air with an additive selected from carbondioxide, ammonia, sulphurdioxide, hydrogen sulphide, ozone and pure oxygen; to the ventilating pipe to discharge a stream of air from the apertures into the water in use.
- 198/2012 Protektorwerk Florenz Maisch GmbH & CO. KG (whose legal address is ViktoriastraBe 58, D-76571 Gaggenau, Germany., Germany) Priority. 102011 108 679.3 27/07/2011 DE
- ÆSTRUCTURAL SECTION AS WELL AS METHOD AND APPARATUS FOR MANUFACTURING SUCH STRUCTURAL SECTION”  
IPC : F 04C 3/90, F 16S 3/08, 3/20  
1005470  
**Abstract :** A structural section, in particular aT-section, C-section, U-section, V-section H-section, L-section, M-section, W-section, a-section or hat section, having an elongated base body, which is in particular metallic, The base body includes a middle region extending in the longitudinal direction and formed as substantially closed and includes at least two longitudinal regions extending at both sides of the middle region. Openings widened transversely to the longitudinal extent of the base body are arranged in the longitudinal regions. In the middle region of the base body, a section recess or an section nose having side guide surfaces in formed which extends in the longitudinal direction of the base body over its total length. A method and apparatus for manufacturing such a structural section are furthermore described.

- 203/2012 SMART COMMUNICATIONS, INC (whose legal address is SMART TOWER, 6799 AYALA AVENUE, MAKATI CITY 1226, PHILIPPINES, Philippines) PRIORITY : 201105494-7 29/07/2011 SG
- ÆSYSTEM AND METHOD FOR ACTIVATING A MOBILE DEVICE TO INITIATE A COMMUNICATION”  
IPC: H 04W 52/02, 84/18 1005455
- Abstract :** A system and method for activating a mobile device to initiate a communication directed to a target device is disclosed. The system and method may be implemented via a computing device arranged to send a request for activating the mobile device to initiate a communication, the request comprising a unique identifier of the target device; and unique identifier of the mobile device and contextual information relating to the communication; wherein the mobile device is arranged to receive the request to initiate the communication and upon receiving the request, parses and executes the request depending on the nature of the communication channel between the mobile device and target device.
- 230/2012 D-A-DINKO BAHOV” ET, BG (whose legal address is ÆZELENALIV ADA” No 21, AP.2 5300 GABROVO, BULGARLA., Bulgaria) Priority: 111020 24/08/2011 BG
- ÆMETHOD AND DEVICE FOR SPINNING OF YARN WITH AIR VORTEX”  
IPC: D 01H 4/02 1005456
- Abstract:** The method and the device find application for spinning of yarn by air vortex, with high speed. By the method the movement of the feeding fibers (2) on the feeding perforated drafting cylinder (16) is done in the beginning through two zones (21) of congestion of the core fibers (3) and of parallel movement of the wrapping fibers (4) and subsequent binding of the two groups of fibers in one group and after that they are fed to the spinning chamber (1), where they go through different zones (A, B and C) of congestion in such a way, that right from the entrance the twisting of the core fibers (3) is controlled, and the loose back ends of fibers (4) are subjected to forces of stretching by the effect of the vacuum of the outlet cylinder (16), after which they are subjected to forces of drafting and twisting around the formed yarn (10) under the effect of the rotation of the movable outlet chamber (8) as the air vortex in the twisting chamber (12) is stable. The device includes the perforated outlet cylinder on which are formed zone for feeding of the core fibers (3), zone for feeding of the wrapping fibers (4) and in the end joint zone for binding of the wrapping fibers (4) to the core fibers (3) and following zone for drafting of the loose ends of fibers (4), and the spinning chambers (1) is composed of inlet chamber (5), interstitial chamber (7) and two outlet chambers, movable one (8) and immovable one (9) and after them a suitable twisting chamber (12 or 12’) is mounted.
- 237/2012 UNILIVER PLC (whose legal address is UNILIVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y ODY, GB, Formerly of UNILEVER HOUSE, BLACKFRIARS, LONDON, EC4P 4BQ, United Kingdom, United Kingdom) Priority: 2492/MUM/2011 07/09/2011 IN
- ÆA WATER PURIFICATION SYSTEM”  
IPC: C02F 1/00, 1/68, 1/76 1005465
- Abstract:** The invention relates to a device and method for purification of water using Reverse Osmosis (RO) membrane. There is a need to maintain uniform TDS level in the output water that has been purified using a reverse osmosis process where there is significant variation in the TDS levels of the input water. This is important considering the fact that there may be significant variation in the TDS levels from various sources of water. It is thus an object of the present invention to design a filter cartridge to ensure that the TDS level in the water purified by a reverse osmosis membrane is maintained within a range of 25 to 200 ppm (parts per million) irrespective of the TDS levels in the input water. It is another object of the present invention to provide a filter cartridge that provides sustained release of TDS over a typical lifetime of an RO membrane which is generally about 8,000 to 10,000 litres. We have determined that a certain combination of calcium carbonate and magnesium carbonate provides controlled increase in TDS irrespective of the TDS levels in the input water, thereby making the water palatable.

- 238/2012 D-A-DINKO BAHOV" ET, BG (whose legal address is æZELENALIV ADA" No 21, AP.2 5300 GABROVO, BULGRRRIA, Bulgaria) Priority: 111027 03/09/2011 BG
- ÆMETHOD AND DEVICE FOR OBTAINING OF STAPLE FIBRE YARN IN A SINGLE PROCESS OF COMBING, DRAWING, AND TWISTING" IPC: D 01g 15/02, D 01H 1/115, 4/02 1005468
- Abstract:** The method and device find application for obtaining of staple fibre yarn in a single process of combing, drawing, and twisting at a high speed over 300m/min. In the method, the fed fibrous sliver of staple filaments (1) is subjected to combing of, first ( $\beta$ ) their front ends, and of, next ( $\gamma$ ), their rear ends, with continuous high rate drawing, as: a) in air vortex spinning- during drawing the filaments are shaped ( $\lambda$ ) in two fibrous flows, consisting of main filaments (n1) and of bonding filaments (n2); after that the fibrous flows obtained are compacted ( $\phi$ ) separately as main flows (c) and as bonding flows (d), and finally they are linked and compacted together (f); after that they undergo twisting with core filaments (3) receiving more torques than the wrapping filaments (4), which are subjected to tensile strength ( $\phi$ ), which results in an uniform structure yarn (5). b) in ring spinning – during drawing the filaments are formed ( $\lambda$ ) in one (n) or in two (n-n) fibrous flows; after that the fibrous flows obtained are compacted in one (c) or in two (c-c) according to the desired yarn structure and after that they are subjected to twisting into an yarn (5) or into two separate yarns (5-5). The device consists of a feeding roller and a feeding table, the feeding table (9) and two main arc-like surfaces ( $\beta$ ) and ( $\gamma$ ) covering part of the surface of the combing needle roller 11, which is perforated and finishes close to a drawing trine of rollers (21, 22 and 23).
- 198/2011 Annikki GmbH. (whose legal address is An Austrian company of Rankengasse 28a, 8020 Graz., Australia) Priority. A1476/2010 02/09/2010 AU
- ÆPREPARATION OF LIGNIN" IPC: C 07G 1/00 1005438
- Abstract:** A method For the preparation of lignin from lignocellulosic material by pulping with alcohol, in particular Lilar with a C 14 alcohol, water and abase, in particular NaOH, at a temperature below 100°C. in particular from 40°C to 90°C, in particular from 50°C to 70°C. characterized in that 3 to 12 parts of base, in particular 4 to 10 parts of base, in particular preferable 5 to 8 parts of base are used per 100 parts of the dry lignocellulosic material to be pulped.
- 263/2011 LAKSHMI MACHINE WORKS LTD (whose legal address is Perianaickenpalayam, Coimbatore-641 020, Tamil Nadu., India) Priority: 3535/CHE/2010 24-11-2010 IN
- ÆIMPROVED TEXTILE SPINNING AND TWISTING RINGS" IPC: D 01H 1/02, 7/60 1005436
- Abstract:** A method for producing a textile spinning or twisting ring, comprising the steps of (a) hardening and smoothening said ring; (b) cleaning said ring by ultrasonic cleaning using ultrasound waves; and (c) chrome plating said ring in an electrolyte bath by hard chrome plating concentrate characterized in that the hard chrome plating concentrate has nanodiamond suspension.
- 278/2011 Ropes & NT CO, LTD (whose legal address is 2-2-9, shimoyugi, Hachioji-shi, Tokyo, 192-0372, Japan) Priority:
- ÆPROCESS FOR RECOVERY IN A NEUTRAL REGION OF LIGNIN FROM PULP DIGESTION WASTES" IPC; C 08H 5/02, 7/00, D 21C 11/00 1005442
- Abstract:** In a substantially neutral pH region and with high efficiency, lignin is recovered from strong-acidic pulp digestion wastes (or black liquors) occurring from kraft pulp making processes. The inventive recovery process comprises the first step in which an inorganic acid such as hydrochloric acid and a calcium salt such as calcium chloride or a magnesium salt are added to, and stirred with, a strongacidic

- pulp digestion waste to regulate the pH of that pulp waste to 5 or less, preferably 3 to 4 so that a fine precipitate of lignin is formed; the second step in which sodium hydroxide is added to, and stirred with, the pulp digestion waste obtained in the first step with the fine precipitate of lignin suspended therein to regulate the pH to a substantially neutral region; and the third step in which a polymer flocculant or an inorganic flocculant is added to a suspension obtained in the second step with the fine precipitate of lignin in a substantially neutral pH state contained in an admixture form to form a floc of lignin that is then filtered out for recovery of lignin.
- 283/2011 COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (whose legal address is 1860) of Anusandhan Bhawan, Rafi Marg New Delhi-110001;India) Priority: 2891/DEL/2010 06-12-2010 IN
- æORGANIC-INORGANIC COMPOSITE MATERIAL FOR REMOVAL OF ANIONIC POLLUTANTS FROM WATER AND PROCESS FOR THE PREPARATION THEREOF”  
IPC: BO1J 20/06,20/08, 20/24 1005443
- Abstract:** ORGANIC-INORGANIC COMPOSITE MATERIAL FOR REMOVAL OF ANIONIC POLLUTANTS FROM WATER AND PROCESS FOR THE PREPARATION THEREOF Organic-inorganic composite material based on metal oxide and carbon, nitrogen and other elements/functional groups for removal of anionic pollutants like arsenic, fluoride etc., from water, and methods for making the same are disclosed, The modified composition may comprise different phases of metal oxides, supported or promoted by incorporation of nitrogen, carbon and other elements/groups. The organic-inorganic composite may be produced from at least one biogenic material such as chitin, chitosan, leaf, bio-membrane and a salt of metal like iron, aluminium etc.. The organic-inorganic composite based absorbent shows arsenic uptake capacity in the range of 0.2 to 1.3 mg/g and fluoride uptake capacity in the range of 5-50 mg/g under different conditions, which is substantially high from the other adsorbents known so far. A break through regeneration of 98-99/% has been achieved by using new regeneration protocol.
- 305/2011 SAMSUNG C & T CORPORATION, Samsung C & T Corp. (whose legal address is Building, 1321-20 seocho 2-dong, Seocho-gu, Seoul 137-956., Republic of Korea) Priority: 10-2010-0139360 30-12-2010 KR
- ÆFACILITIES FOR OFFSHORE LIQUEFIED NATURAL GAS FLOATING STORAGE WITH JETTY REGASIFICATION UNIT”  
IPC: B 63B 25/16, F 17C 4/02, 7/04 1005452
- Abstract:** The present invention relates to facilities for offshore liquefied natural gas (LNG) floating storage with jetty regasification unit, and more particularly, to offshore facilities that have floating storage and regasification unit installed on jetty unit Compared to conventional regasification facility which is installed on LNG carriers or onshore LNG terminal, this concept have been found to reduce installation, operating costs and construction time, and moreover increases stability of regasification performance of LNG. Facilities for offshore liquefied natural gas (LNG) floating storage with jetty regasification unit, the facilities including: a jetty unit of a steel structure or an iron concrete structure installed in offshore; a storage unit moored at the jetty unit providing a space for storing LNG; a regasification unit as a module which regasifies the LNG supplied from the storage unit, installed on a top portion of the jetty unit and is separable from the jetty unit; a utility unit comprising a power source and a sea water pump to supply power and sea water to the regasification unit; and a piping unit comprising unloading pipe for connecting the regasification unit and the storage unit and supplying pipe for carrying natural gas gasified by the regasification unit, LNG is regasified by installing regasification facilities in a jetty structure that is a gravity based structure (GBS), thereby providing LNG regasification facilities capable of regasifying LNG and greatly reducing a danger of leakage of natural gas of a high pressure that occurs during regasification of a floating structure.

- 23/2012 COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH,  
(whose legal address is Anusandhan Bhawan. Rafi Marg, New Delhi-110001., India)  
Priority.
- ÆMETHOD FOR OBTAINING LACCASE ENZYME FROM ORTHROGRAPHICS SP”  
IPC: 3 12N 9/00, C 11D 3/386, D 06M 16/00  
1005446  
**Abstract:** This invention relates to a method of production of laccase enzymes from a novel fungal strain *Arthrographis* sp. MTCC5479 useful for various applications such as degradation of textile dyes in the effluent or bleaching of indigo dye incorporated in the denim fabric and bioremediation in general, such as degradation of some pollutants and xenobiotics. The applications of laccase also exist in bakery, brewery and wine industry, synthesis of chemicals, fabrication of cathode for fuel cell.
- 17/2012 SAYED JAMAL. (whose legal address is 25273 OAKSTONE COURT, MORENO VALLEY, CALIFORNIA 92553., United States of America)  
Priority: 1101140.0  
21-01-2011 GB
- ÆPRAYER MAT WITH PRAYER MONITORING SYSTEM”  
IPC: A 47G 27/02, 33/00  
1005466  
**Abstract:** The invention is an elongate prayer mat 10 having a first end 12 and a second end 14 and further comprising (a) a first tactile sensor 30 disposed proximate to the first end 12; (b) a second tactile sensor 22 disposed proximate to the second end 14; (c) a third tactile sensor 24 disposed proximate to the second tactile sensor 22 and between the second tactile sensor 22 and the first tactile sensor 20; (d) a fourth tactile sensor 26 disposed to the right of the third tactile sensor 24, proximate to the second tactile sensor 22 and between the second tactile sensor 22 and the first tactile sensor 20; (e) a top layer 18 for concealing each of the tactile sensors; (I) a microprocessor 30 for receiving electrical signals from the tactile sensors and for displaying the progress of prayer steps on a display device.
- 71/2012 Graf + Cie AG, (whose legal address is business at Bildaustasse 6, CH-8640 Rapperswil, Switzerland)  
Priority: 00632/11  
08-04-2011 SZ
- ÆSAW-TOOTH CLOTHING”  
IPC: D 0 IG 15/84  
1005450  
**Abstract:** The invention relates to a saw-tooth clothing for rollers of a carding machine or a carder. The saw-tooth clothing has a multiplicity of successively arranged teeth, wherein each tooth has a tooth front and a tooth back and a tooth tip. The tooth backs of the teeth have in each case a certain distance from the tooth front of the in each case following tooth and form a tooth space which extends from a tooth root to the tooth tips. Between the tooth tips and the tooth root, the teeth have in each case on their tooth back and on their tooth front at least one embossment which reduces the distance between the tooth back of the teeth and the tooth front of the in each case following tooth.
- 51/2012 NVB Composites International UK Ltd. (whose legal address is Davidson House, 1st Fl. West Wing, Forbury Square, Reading, Berkshire RG1 3EU., United Kingdom)  
Priority: 11075033.3  
25-02-2011 EP
- ÆPISTON-CHAMBER COMBINATION VANDERBLOMMOTOR”  
IPC: A 01G 16/00  
1005460  
**Abstract:** A piston-chamber combination comprising a chamber (162,186,231) which is bounded by an inner chamber wall (156,185.238), and comprising an actuator piston inside said chamber to be engagingly movable relative to said chamber wall at least between a first longitudinal position and a second longitudinal position of the chamber, said chamber having cross-sections of different cross-sectional areas and different circumferential lengths at the first and second longitudinal positions, and at least substantially continuously different cross-sectional areas and circumferential lengths at intermediate longitudinal positions

between the first and second longitudinal positions, the cross-sectional areas and circumferential length at said second longitudinal position being smaller than the cross-sectional area and circumferential length at said first longitudinal position, said actuator piston comprising a container (208, 208, 217, 217, 228, 228, 258, 2581, 450.450 !) which is elastically deformable thereby providing for different cross-sectional areas and circumferential lengths of the piston adapting the same to said different cross-sectional areas and different circumferential lengths of the chamber during the relative movements of the piston between the first and second longitudinal positions through said intermediate longitudinal positions of the chamber. the actuator piston is produced to have a production-size of the container (208.208, 217, 217, 228, 228 1.258, 2581, 450, 450) in the stress-free and unreformed state thereof in which the circumferential length of the piston is approximately equivalent to the circumferential length of said chamber (162, 186, 231) at said second longitudinal position, the container being expandable from its production size in a direction transversally with respect to the longitudinal direction of the chamber thereby providing for an expansion of the piston from the production size thereof during the relative movements of the actuator piston from said second longitudinal position to said first longitudinal position, the container (208, 208, 1 217. 217 1. 228, 228, 258, 258, 450, 450) being elastically deformable to provide for different cross-sectional areas and circumferential lengths of the actuator piston, characterized by the fact that the combination comprises means for introducing fluid from a position outside said container into said container, thereby enabling pressurization of said container, and thereby expanding said container. 5. a smooth surface of the wall of the actuator piston, at least on and continuously until nearby its contact area with the wall of the chamber, thereby displacing said container from a second and a first longitudinal position of the chamber, the combination comprises means for reducing the volume of said container from a position outside said container by exiting fluid from said container, thereby depressurizing said container when moving from a first to a second longitudinal position. (CT)

91/2012 Director General  
(whose legal address is  
Bangladesh Agricultural Research  
Institute Joydebpur, Gazipur-  
1701., Bangladesh) Priority:

ÆUREA SUPER GRANULE APPLICATOR”

IPC: A01G 16/00

1005459

**Abstract:** The steel and plastic as claimed in claim, which is used in manufacturing the main parts.

106/2012 T.K. LEVERAGE CO.,  
LTD , (Whose legal  
address is 1003, IC.I-IIGAYA  
KASUGA MANSION, 58,  
YAKUOUJIMACHT,  
ICHIIGAYA,  
SHINJUKU-KU, Japan) Priority:  
JP201 1-93435  
19-04-2011 JP

ÆA GENERATOR IN WHICH POWER IS GENERATED  
BY RELATIVE ROTATION OF A PERMANENT  
MAGNET AND AN ELECTROMOTIVE COIL”

IPC: H02K 1/27, 16/02, 21/04

1005440

**Abstract:** The present invention provides a generator that obtains efficient power generator by varying the magnetic force operating on the electromotive coil. A generator includes a first permanent magnet member 1, a second permanent magnet member 2 and an electromotive coil member 3 having a concentric nested structure, and is configured to induce power generation in the electromotive coil member 3 by rotation of the first permanent magnet member 1 and/or the second permanent magnet member 2 to thereby execute efficient power generation by variation of the magnetic force by cooperation of the first permanent magnet member 1 and the second permanent magnet member 2.

- |          |   |  |
|----------|---|--|
| 68/2012  | <p>TUBULAR TEXTILE MACHINERY, INC.<br/>(Whose legal address is Hargrave Road at 1-85, P.O. Box 2097, Lexington, NC 27293-2097., United States of America)<br/>Priority: 13/415,460<br/>08-03-2011 US and 61/453,830<br/>17-03-2011 US</p> | <p>ÆMETHOD AND APPARATUS FOR COMPACTING TUBULAR FABRICS”<br/>IPC: D 06B 3/10<br/>1005439<br/><b>Abstract:</b> A two-stage process and apparatus for compacting tubular Knitted fabrics, Wherein at each stage the fabric, is acted upon by cooperating feeding and retarding rollers spaced apart a distance greater than the thickness of the fabric. Opposite fabric sides thus cannot be in simultaneous contact with the feeding and retarding rollers at the same point along the fabric. Fabric is transferred from a feed roller to a retarding roller while opposite sides of the fabric are closely confined in a compacting zone, free of contact with either roller. Fabric is longitudinally compacted during its traverse of that zone. In the second stage, the rollers are reversely oriented with respect the fabric. Unlike Known two-stage procedures, not more than 60% of the compacting effort is imparted in either one of the stages. Preferably each stage imparts about 50% of the compacting effort. Higher Production speeds and superior product quality are achieved.</p> |
| 2/2012   | <p>TAN SENG CHUAN. (Whose legal address is 202 PASIR PANGANG ROAD, # 02-02 SINGAPORE, 118572., Singapore)<br/>Priority:</p>   | <p>æA SYSTEM AND A METHOD FOR RECEIVING AND DISBURSING DONATION”<br/>IPC: G 06F 17/00, G 06Q 99/00<br/>1005447<br/><b>Abstract:</b> A system for facilitating the transaction of donation funds is disclosed. The system allows for the collection and disbursement of recurring donations. The system comprises a plurality of donors (110), at least one donation collecting institution (120) and a plurality of recipients (130). The plurality of donors (110) contribute donations to the donation collecting institution (120) in which the donations are gathered to form a pool of donation funds. The pool of donation funds is supervised and controlled by at least one global entity (125) which disburses and distributes the pool of donation funds to the plurality of recipients (130) via a plurality of Kisok terminals in the form of mobile airtime credit and mobile wallet points.</p>  |
| 253/2011 | <p>UNITED PHOSPHORUS LIMITED (Whose legal address is Uniphos louse, Madhu Park, 11<sup>th</sup> Road , Khar (West), Mumbai-400 052., India)<br/>Priority: 0451MUM/2010 02-11-2010 IN</p>  | <p>æCHIRAL INTERMEDIATES AND PROCESS FOR THE PREP ARATION THEREOF”<br/>IPC: A 01N 57/22, C07C 31/02, C 07D 309/32<br/>1005435<br/><b>Abstract:</b> A compound of the formula: Wherein: R1 is hydrogen or Z; R2 and R3 are same or different and are independently selected from F, Cl, Br, I; Z is a hydroxyl protecting group selected from tetrahydro-2H-pyran-2-yl; tetrahydro-2Hpyran-2-one-3Y1; tetrahydro-2H-pyran-2-methoxy-6-yl; and tetrahydro-2H-pyran-2-ethoxy-6-yl.</p>  |
| 123/2012 | <p>BASF SE (Whose legal address is 67056 Ludwigshafen, Germany)<br/>Priority: 61/482,890<br/>05-05-2011 DE</p>  | <p>æA PROPPANT AND METHOD OF FORMING THE PROPPANT”<br/>IPC: C 09K 8/80<br/>1005458<br/><b>Abstract:</b> A proppant includes a particle and a hybrid coating disposed about the particle. The particle is present in an amount of from about 90 to about 99.5 percent by weight based on the total weight of the proppant and the hybrid coating is present in an amount of from about 0.5 to about 10 percent by weight based on the total weight of the proppant. The hybrid coating comprises the reaction product of an isocyanate component and an alkali metal silicate. solution including water and an alkali metal silicate. A method of forming the proppant includes the steps of providing the particle, the isocyanate composition and the alkali metal silicate solution. The method also includes the steps of combining the isocyanate composition and the alkali metal silicate solution to react and form the hybrid coating and coating the particle with the hybrid coating to form the proppant.</p>   |

- 122/2012 BASF SE (whose legal address is 67056 Ludwigshafen , Germany)  
Priority: 61/482,823 05/05/2011  
DE
- “A PROPPANT AND A METHOD OF FORMING THE PROPPANT”
- IPC: C 09K 8/80  
1005457
- Abstract:** A proppant comprises a particle and a polymeric coating disposed about the particle. The polymeric coating comprises the reaction product of a novolac polyol, an isocyanate, and an azole. The novolac polyol has a number average molecular weight of from about 200 to about 1000 g/mol. A method of forming the proppant comprises the steps of providing the particle, providing the novolac polyol, providing the isocyanate, and providing the azole. The method also includes the steps of combining the novolac polyol, the isocyanate, and the azole to react and form the polymeric coating and coating the particle with the polymeric coating to form the proppant.
- 251/2011 RETRACTABLE TECHNOLOGIES, INC. (Whose legal address is 511 Lobo Lane, Little ELM. Texas 75068., United States of America)  
Priority: 12/950,264. 19-11-2010 US
- “A TOOL USEFUL FOR CLEANING SKIN AND ATTACHMENT SURFACES OF A MEDICAL”
- IPC: A 01L 2/00, A 61L 2/00, 9/00  
1005430
- Abstract:** A tool that is useful for cleaning the attachment surfaces of a device used in medical applications, the tool having a housing with an open end, a closed end, a sidewall disposed between the open end and the closed end, and a positioning collar seated adjacent to the sidewall between the open and closed ends with a sponge extending through and releasably held by the positioning collar, a treating liquid disposed inside the housing, and a releasable fluid-tight seal disposed over the open end.
- 54/2012 LINCE ENERGY Ltd. (Whose legal address is 32, Edward Street, Brisbane, QLD 4000, Australia., Australia)  
Priority: 2011900848. 09-03-2011 AU
- “METHOD AND APPARATUS FOR TREATING A RAW UCG PRODUCT STREAM”
- IPC: C 1013/00, C 10K 1/00, E21B 43/00  
1005426
- Abstract:** This invention relates to a method and apparatus for treating a raw product stream (raw synthesis gas/raw syngas) generated by underground coal gasification (UCG). In one aspect, the invention concerns a method and apparatus for cooling and initial cleaning of raw syngas gas, so that the treated UCG product stream is suitable for downstream applications such as for energy or chemical production. In another aspect, the invention concerns a method and apparatus for insulating, treating and handling a raw UCG product stream that is generated either when igniting or decommissioning an underground coal gasifier and, due to its consistency, is generally unsuitable for energy or chemical production.
- 285/2011 INVERSIONES HIKI6, S.L. (Whose legal address is C/Cardenal Belluga, Parc. 24/23 y 24/22 30169 San Gines Murcia, Spain). Priority: 10382338.1 16-12-2010 ES
- “MOBILE DOSING, MIXING AND PACKAGING PLANT”
- IPC: B 65B 01/00, 1/32, 61/26  
1005431
- Abstract:** The main objective of this invention is a Mobile plant for dosing, mixing and packaging of powdery products, characterized because it is comprised of a carrying structure and several areas for: reception and weighing, loading, mixing, sack filling, sewing and labelling, metal detection palletizing and cleaning. This invention is included within the industrial plants technical sector of manufacturing and mixing of powdery products.

262/2011 Giuseppe MARINEO  
(Whose legal address is  
Via Pagoda Bianca 4 B27.  
1-00144 Roma., Italy)  
Priority: 2010/000457  
16-11-2010 IT

“APPARATUS AND METHOD FOR RAPID  
SUPPRESSION OF NEUROPATHIC, ONCOLOGICAL,  
AND PAEDIATRIC PAIN, RESISTANT TO OPIATES AND  
TO CONVENTIONAL ELECTRO-ANALGESIA”

IPC: A 61N 1/34, 1/36  
1005418

**Abstract:** An apparatus (100) for pain suppression comprising a main module (104) with data-storage means (110) and data-processing means (112), a synthesizer module (106), and one or more channel modules (108). The data-storage means (110) contains data including first parameters (V1) identifying a set of primitive waveforms (S00-S18), each primitive waveform having a periodic and predetermined time plot. The data-storage means (110) also contains data including second parameters

(T-pack, Freq, T-slot, T-link), which can be associated to each of the primitive waveforms (Si). The data processing means (112) is designed and configured to process a set of data (ft) identifying a sequence (5) made up of one or more of the primitive waveforms (Si) in temporal sequence. Each of the primitive waveforms of the sequence (5) being processed on the basis of one or more of the second parameters (1-pack, Freq, T-slot, T-link). The synthesizer module (106) includes means for generating an electrical output signal (out) corresponding to the sequence (5). The one or more channel modules (108) include means for application of the electrical output signal (Out) to a person's body using C fibres as a primary vehicle for inducing analgesia, without blocking conduction thereof, so as to excite the C fibres in order to convert electrical stimulus to the C fibres into nonpain information in the C fibres.

70/2012 Mobd. Moniruzzaman  
(whose legal address is Makhom  
Villa, 4<sup>th</sup> Floor, House # 162, Road  
# 13, Mujgunni R/A, Khulna-  
9000., Bangladesh)  
Priority:

“SYSTEM FOR UNINTERRUPTABLE SOLAR ENERGY  
WITHOUT STORAGE”

IPC: F 24J 2/34  
1005421

**Abstract:** A system for Uninterruptable Solar Energy without Storage (SUSES) is presented in this work. Earth Surrounding Electric Grid (ESEG) is utilized for this purpose. Solar Energy is one of the most and easily available renewable and environment friendly energy sources in the world. One major drawback of solar energy is that it is only able to generate electricity during daylight. This means for around half of each day, solar panels do not produce energy. Storage devices can be used to store the energy for supplying during the periods of unavailability. But storage devices are costly. This can be overcome by utilizing ESEG. Here, long distance electric grid should be installed along the earth circumference, approximately parallel to the equatorial line. The earth is rotating and the earth surface is moving with respect to the sun. A set of solar energy converters should be placed in different locations around the earth surface, so that sufficient sunlight always falls on at least one part of the set. The variable power generated in all parts of the solar energy converters set is accumulated by ESEG to provide uninterrupted supply of solar power at a steady rate over the 24 hours period in day without any storage device.

- 12/2012 Bangladesh Council of Scientific and Industrial Research (BCSIR) (whose legal address is Dr Quadrat-i-Khuda Road, Dhanmondi., 1205, Dhaka, Bangladesh) **ÆIMPROVEMENTS IN ARSENIC REMOVAL TECHNOLOGY FROM GROUND WATER”**  
IPC: B 01J 20/06, C01G 49/00, C 02F 1/28  
1005416  
**Abstract:** 99.5 percent arsenic can be removed from ground water having 750 ppb arsenic, leaving the water arsenic safe (below 5 ppb), Chlorine, ferric sulphate, activated sand and activated carbon are used to get arsenic safe water. At first 10% liquid chlorine was added to the arsenic contaminated water and stirred. After 10 minutes, ferric sulphate was spread over this treated water. The water is then stirred for about 10 minutes and allowed to settle for 1 hour. A filtering bed was prepared by mixing activated sands having particle diameter 0.105 mm, 0.21mm and 0.42 mm, and taken in the proportion of (by weight) 2.1:2.8:1.0 respectively. After one hour the clear upper liquid was allowed to pass through the above filtering bed followed by activated carbon prepared from rice husk. The arsenic content of this filtrate was found to below 5 ppb by AAS.
- 21/2012 Siddartha Sankar Biswas (whose legal address is FIN: Chitta Ranjan Biswas, Vill.: Gobindopur, Post.: Nakal, Thana: Sreepur, Dist.: Magura., Bangladesh. **ÆAN APPARATUS FOR DIAGNOSIS FOR GASTRIC ACIDITY THROUGH ELECTRICAL MEASUREMENT OF SALIVA”**  
IPC: G 01N 33/558  
1005422  
**Abstract:** A simple electrical gastrometer has been innovated and developed based on short circuit current produced by a voltaic cell comprising of two dissimilar metallic electrodes in a probe on which a specific volume of saliva is placed on the probe tip causes an electrical potential to be generated between the electrodes which are transferred to the electronic measuring part of the apparatus through two lead wires, whereas in the electronic measuring part, the first section is the current measuring circuit whose operation is controlled by a timer. The output of the current measuring circuit is taken to the numerical output display device is checked by a ‘value stability indicating device’ when the current value is stable. Finally, the signal switching on the circuit shown in the numerical value display device which is to be read by the doctor or anyone else.
- 22/2012 Philippe Magnier, LLC (whose legal address is 1880 Treble Drive, 77338 Humble, Texas., United States of America) Priority: 11/00377 08/02/2011 US **æELECTRIC TRANSFORMER EXPLOSION PREVEINTION DEVICE PROVIDED WITH A LIQUID DETECTOR”**  
IPC: H 02H 7/04  
1005423  
**Abstract:** Electric transformer explosion prevention device provided with a liquid detector. Device for preventing the explosion of an electrical transformer I provided with a tank which is tilled with a coolant liquid 7. The device comprises a rupture element 15 provided with tear areas and folding areas at breaking. The rupture element 15 is able to break when the internal tank pressure exceeds a predetermined threshold. At least one flange for maintaining the rupture element 15, the said flange being arranged at side of the rupture element 15 opposite the tank. The device comprises a liquid detector 24 arranged at the side of the rupture element 15 opposite the

- tank.
- 26/2012 BASF SE (whose legal address is 67056 LUDWIGSITAFEN GERMANY., Germany) Priority: 61/439378 04-02-2011 DE
- “COMPOSITION CONTAINING A POLYORGANOSILOXANE, ALARVICIDE, AND AN ORGANIC SOLVENT”
- IPC: A 01N 25/22, 43/90, 53/00  
1005424
- Abstract:** Composition containing a polyorganosiloxane, a larvicide, and an organic solvent. The present invention relates to a liquid composition containing a polyorganosiloxane, a larvicide, which contains temephos, spinozad, dinetofuran, methopren, Bacillus thuringiensis, Bacillus thuringiensis israelensis, or Bacillus sphaericus, and at least 10 wt% of a water-immiscible synthetic organic solvent. It also relates to a method for preparing said composition comprising mixing the polyorganosiloxane, the larvicide, and optionally the further components; and to a method for controlling insects, wherein the said composition is applied on a water surface.
- 52/2012 TAT AMOTORS LIMITED (whose legal address is House, 24 Homi Mody Street, Hutama Chowk, Mumbai 400 001, India) Priority:
- ÆAN OIL SEPARATOR FOR INTERNAL COMBUSTION ENGINE”
- IPC: F 01M 13/04  
1005425
- Abstract:** This invention relates to an oil separator for an internal combustion engine comprising; a housing; an inlet port in fluidic communication with an engine crankcase to direct a mixture of oil and blow by gases to flow into said oil separator, a deflector plate to facilitate initial impingement of said mixture of oil and gases flowing from said inlet port; a perforated outlet port to allow oil-free gas to flow towards said engine; an oil separation chamber assembly with perforations disposed around said outlet port; a drainage path to drain oil collected in said housing.
- 304/2011 SAMSUNG C&T CORPORATION. (A Korean Corporation.) (Whose legal address is 1321-2- Seocho 2-dong, Seocho-gu, Seoul 137-956., Republic of Korea) Priority: 10-2010-0139361 30-12-2010 KR.
- ÆFACILITIES FOR OFFSHORE LIQUEFIED NATURAL GAS FLOATING STORAGE WITH JACK-UP PLATFORM REGASIFICATION UNIT”
- IPC: F 17C 7/00  
1005412
- Abstract:** The present invention relates to facilities for offshore liquefied natural gas (LNG) floating storage with jack-up platform regasification unit, and more particularly, to offshore facilities that have floating storage and regasification unit installed on jack-up platform. Compared to conventional regasification facility which is installed on LNG carriers or onshore LNG terminal, this concept have been found to reduce installation, operating cost and construction time, and moreover increases stability of regasification performance of LNG. Facilities for offshore liquefied natural gas (LNG) floating storage with jack-up platform regasification unit, the facilities including: a jack-up unit comprising legs which have bottom part to be fixable to a sea bed and top part to be exposed to a surface of water, and a hull to be movable up and down with respect to the legs; a storage unit that is a LNG carrier or a floating storage unit (FSU) moored at the jack up unit providing a space for storing LNG; a regasification unit as a module which regasifies the LNG supplied from the storage unit, installed on a top portion of the jack-up unit, is separable from the jack-up unit; a utility unit comprising a power source and a sea water pump to supply power and sea water to the regasification unit; and a piping unit comprising unloading

pipe for connecting the regasification unit and the storage unit and supplying pipe for carrying natural gas gasified by the regasification unit. LNG is regasified by installing regasification facilities in a jack-up unit that is a gravity based structure (GBS), thereby providing LNG regasification facilities capable of regasifying LNG and greatly reducing a danger of leakage of natural gas under high pressure that may occur during regasification of a floating structure. Furthermore, plant facilities such as a regasification unit, a piping unit, and a utility unit are installed in a jack-up unit capable of moving by itself, thereby regasifying LNG by moving the jack-up unit as occasion demands.

200/2011 KOMPOFERM GMBH (Whose legal address is MAX-PLANCK-STRASSE 15 , D-33248. MARIENFELD., Germany)  
Priority: 10 009480.4-1521 13-09-2010 DE

“FERMENTER FOR THE FERMENTATION OF BIOMASS”

IPC: C 12M 1/107, C 12P 5/02  
1005413

**Abstract:** A fermenter (1) for fermenting biomass (2) is formed gas-tight and has a floor and a support device (4) for supporting and/or containing the biomass (2) introduced into the fermenter (1). The fermenter (1) is closed gas-tight by a casing (5) which is not supporting the fermenter structure and which is attached so that the biomass (2) introduced into the fermenter (1) is supported only on the floor (3) and the support device (4).

240/2011 Movirtu Limited (whose legal address is business at unit 5, Hampstead Gate, 1 A Frogal, London NW3 6AL., United Kingdom)  
Priority:

“METHOD AND SYSTEM TO IMPLEMENT TELEPHONY BILLING TO INCENTIVISE SHARED PHONE USAGE”

IPC: H 04M 16/00  
1005391

**Abstract:** Disclosed is a method and system to implementing user account billing which incentivises shared mobile phone usage. The owner of a phone, or other device capable of making phone calls, would receive a credit to their phone account balance, from the telephone service provider, when they share their phone with another user and allow that user to make a phone call or other transaction by logging into their account using the shared phone, making the phone call or other mobile transaction and then returning the phone. once the phone call or other transaction is complete the caller's own virtual account balance would be decremented as normal, but in addition a credit would be applied to the phone owner's account. The credit would be given to the phone owner from the telephone service provider and would either be a fixed amount, or an agreed percentage revenue share of the cost of the call or transaction.

289/2011 LAKSHMI MACHINE WORKS LTD (whose legal address is Coimbatore-641 020, Tamil Nadu State., India. Priority: 4015/CHE/2010 30/12/2010 IN

“AN IMPROVED SLIVER CAN ARRANGEMENT IN A TEXTILE SPINNING PREPARATORY MACHINE”

IPC : B 65H 75/16, D 01H 4/00  
1005392

**Abstract:** According to the present invention, the improved sliver can arrangement in a combing machine comprises a plurality of combing of heads which are arranged in series along the machine; a suction unit; a sliver delivery station at the end of the machine; a plurality of reserve cans provided on the platform of said sliver delivery station; a sliver filling station; a drafting unit over the said sliver filling station; a sliver filling can placed on the rotating plate of the said filling

- station, in which at least one reserve can is placed between the combing head and said sliver filling station.
- 247/2011 SIPRA  
PATENTENTWICKLUNG  
GS-UND  
BETEILIGUNGS-  
GESELLESCHAFT  
MBH (whose legal address is  
E-mail-Mayer StraBe 107: 1461  
Albstadt., Germany)  
Priority: 1020 10050402.5  
03-11-2010 DE
- ÆKNTTING MACHINE”  
IPC : D 04B 15/32  
1005393
- Abstract:** A knitting machine having needles which are mounted to be longitudinally moveable and having needle cams (14) with a needle control curve (13) for moving the needles, the needle control curves at least in the latch closure region (Z), having a withdrawal angle (a) 350
- 67/2012 Md Asifur Rahman.  
(whose legal address is 67  
Lake Circus, Apt # 13/C  
ICalabagan, Dhaka 1205.,  
Bangladesh) Priority:
- ÆA NOVEL APPARATUS FOR EFFICIENT  
CONVERSION OF SOLAR THERMAL ENERGY INTO  
MECHANICAL & ELECTRICAL POWER”  
IPC : F 24J 2/38  
1005420
- Abstract:** Solar energy harnessing is commonly done by photovoltaic cell or thermally activated instruments, both of which suffer poor efficiency and implementation difficulty. To overcome such problems a novel apparatus based on Stirling engine has been developed for highly efficient conversion of solar thermal energy into usable mechanical & electrical power. In this design upper diaphragm moves up & down by heat excitation from concentrated thermal energy as collected by solar dish. Unlike other Solutions it is possible in this innovation to keep the harnessed mechanical power into its native format for practical use e.g. water pumps etc. instead of converting into electrical energy and as such waste energy due to conversion process.
- 6/2012 DyStar Colours  
Distribution GmbH.  
(whose legal address is D-65  
926 Frankfurt am  
Main., Germany)  
Priority: 102011 008 683.8 14-01-  
2011 DE
- ÆDISPERSE DYE MIXTURES, THEIR PREPARATION  
AND USE”  
IPC : C 09B 29/039,67/22, C 09D 11/02  
1005400
- Abstract:** The present invention relates to dye mixtures containing at least one dye of formula (I) and at least either a dye of formula (II) and/or at least one dye of formula (III) where R1-R15, n, o, X and DI-D3 are each as defined in claim 1. These dye mixtures are useful for dyeing or printing hydrophobic materials in particular.
- 16/2012 Insectshield Limited.  
(whose legal address is  
Centre for Technical  
Textiles, University of Leeds,  
Woodhouse Lane, Leeds  
LS2 93T, West  
Yorkshire., United Kingdom)  
Priority : GB 1100621.0  
14/01/2012 GB
- ÆPEST CONTROL MATERIALS”  
IPC: A 01M 1/02  
1005408
- Abstract:** An open mesh insect control material is described which comprises an insect contact surface (2), an internal surface, apertures (3) communicating both surfaces and a plurality of filamentous projections (5) protruding from the insect contact surface (2) the projections (5) at least partly occlude the apertures (3). The structure is suitable for use in pest control especially as a mosquito net.
- 30/2012 SICPA HOLDING SA.  
(whose legal address is  
Avenue de Florissant 41,  
1008 Prilly., Switzerland)  
Priority: US-61/439,591, EP-  
11153523.3. 04-02-2011 US
- ÆDEVICE DISPLAYING A DYNAMIC VISUAL MOTION  
EFFECT AND METHOD FOR PRODUCING SAME”  
IPC: B 41M 3/14, B 42D 15/00, 15/10  
1005397
- Abstract:** Disclosed is a device for the counterfeit protection of a banknote, a document of value or an article. The device comprises a substrate (5), and on said substrate (S) a plurality of jointly visible zones of first (1) and of second (2) hardened coatings comprising oriented pigment particles (P1, P2) in a transparent binder (MI, M2), said first (1) hardened coating having a pigment orientation imitating a first curved surface and said second (2) hardened coating having a pigment orientation imitating a second curved surface different from said first curved surface. The device is characterized in that, along a linear section through the device, at least one zone of said second (2) hardened coating is contiguously located between two zones of said first (1) hardened coating Disclosed are further a method for producing

- said device, the use of said device, as well as security documents carrying said device.
- 42/2012 Rieter Ingolstadt GmbH.  
(whose legal address is  
Friedrich-Ebert-Strasse  
84,85055 Ingolstadt.,  
Germany)  
Priority: 10 2011 005  
709.9 17-03-2011 BD
- “TEXTILE MACHINE AND METHOD FOR THE OPERATION THEREOF”  
IPC: B65H 54/76, 54/80  
1005398
- Abstract:** The invention relates to a method for operating a textile machine, particularly a spinning preparation machine, preferably a drawing frame, carding machine, or comber, wherein fiber material (5) is stored into a can (8) at a defined feed rate in the region of an outlet of the textile machine by a storage device, such as a coiler plate (7). According to the invention, an electrical signal is generated during the storage of the fiber material (5) by means of a sensor (11) as soon as a contact is made between the fiber material (5) present in the can (8) and the storage device, and the feed rate of the storage device is controlled using the signal. The invention further relates to a corresponding textile machine having an outlet for a fiber material (5) and a storage device disposed in the region of the outlet, such as a coiler plate (7) for storing the fiber material (5) into at least one can (8) at a predefined feed rate, wherein the storage device according to the invention is associated with at least one sensor (11), said sensor being implemented for generating an electrical signal as soon as contact is made between the fiber material (5) present in the can (8) and the storage device, wherein the sensor (11) is connected to a controller implemented for controlling the feed rate of the storage device using the signal.
- 58/2012 Danisco US Inc.  
(whose legal address is  
925 Page Mill Road, Palo Alto,  
CA 94304.,  
United States of America)  
Priority: 61/453,880  
17-03-2011 US
- “COLOR MODIFICATION OF SIZED FABRIC”  
IPC: D 06P 5/13  
1005396
- Abstract:** Described are methods relating to modifying the color of sized fabrics using a perhydrolase enzyme system, thereby eliminating the need for prior desizing..
- 63/2012 SANOFI-AVENTIS  
DEUTSCHLAND GmbH.  
(whose legal address is  
Bruningstrasse 50 D-65929  
Frankfurt am Main., Germany)  
Priority: 11159756.3  
25-03-2011 EP
- “DOSE SETTING MECHANISM AND INJECTION DEVICE”  
IPC: A 61M 5/00  
1005404
- Abstract:** A dose setting mechanism (1) for a drug delivery device is provided comprising a dose setting member (3), a drive member (4), a clutch (5a, 5b), a first clicker (6') and second clicker (6''). The first clutch (5a, 5b) and a second clutch (10, 11) are designed and adapted to each other such that at any time during operation either the first clutch (5a, 5b) rotationally couples the dose setting member (3) and the drive member (4) and/or the second clutch (10, 11) rotationally couples the drive member (4) and the first clicker component (6). Further, the invention refers to an injection device with such a dose setting mechanism.
- 69/2012 Aunikki GmbH.  
(whose legal address is  
Rankengasse 28a 8020  
Graz, Austria)  
Priority : 11002445.2  
24-03-2011 EP
- “METHOD FOR THE PREPARATION OF LIGNIN-DERIVATIVES”  
IPC: C 08H 8/00  
1005402
- Abstract:** A method for the preparation of lignin derivatives from technical lignins by treatment with proteolytic enzymes (proteases), characterized in that the proteolytic treatment of

- the technical lignins significantly reduces the molar mass thereof.
- 72/2012 Robert Trevor O'KEEFE.  
(whose legal address is  
455 Stretch Road Mont Helena,  
Western Australia 6082.,  
Australia)  
Priority: 2011904186  
14-10-2011 AU
- ÆSYSTEM AND METHOD OF LOADING AND UNLOADING CONTAINERS”  
IPC: B 60P 1/2, 1/4, B 65G 67/46  
1005394
- Abstract:** A system and method of loading and unloading a shipping container 14 onto and off a tilttray vehicle 50 is described. The system includes a drawbar assembly 10 adapted to be releasably attached to opposite corner connectors 12 provided on the container 14. A winch 54 is provided for applying traction to the drawbar assembly 10 to draw the container 14 onto the vehicle tray 52 and to facilitate loading of the container onto the tray. An ejector assembly 60 is also provided to releasably engage the drawbar assembly 10 connected to the container 14. When it is desired to unload the container 14, the ejector assembly 60 is moved towards the rear of the tray 52 to move the container partially off the vehicle 50.
- 103/2012 D-A-DIINKO BAHOV”  
ET’, BG. (whose legal address is  
ZELENA LIVADA” N21, AR ?  
5300 CIABROVO.,  
Bulgaria) Priority: 11091.3  
14-04-2011 BG
- ÆMETHOD AND DEVICE FOR OBTAINING YARN FROM STAPLE FIBRES IN ONE PROCESS OF COMBING, DRAFTING AND TWISTING”  
IPC: D 01G 15/02, D 01H 1/115, 5/74  
1005399
- Abstract:** The method and the device find application for obtaining of yarn from staple fibers in one process of combing, drafting and twisting with high speed of over 300rn/mm. In the method the fed fiber band of staple fibers (1) is subjected to combing, first (Is) of their front ends and after that (‘y) of their back ends as simultaneously with this a drafting with high ratio is accomplished, after which the obtained fiber band (2) is twisted, first the core fibers (3) and after that the wrapping fibers (4), during which yarn (5) is formed with uniform structure in one continuous process, as the uniformity of the drafted fiber band (2) is measured and respectively the speed of the formed yarn (S) is changed. The device consists of a feeding roller and feeding table as the feeding table (6) is formed by a feeding arc (a) under feeding roller (7) and two main arc like surfaces (3) and (-y), which cover part of the surface of the combing porcupine roller (8), which is perforated and ends near a couple of drafting rollers (9) and (10).
- 112/2012 Vestergaard Frandsen  
SA. (Whose legal address is  
Chemin Messidor 5-7,  
1006 Lausanne.,  
Switzerland) Priority:  
PCT/DK 2011/05013  
27-04-2011 BD
- ÆWATER PURIFICATION DEVICE”  
IPC: B 01D 23/20, 24/14  
1005405
- Abstract:** A device (1) for purification of water driven by gravity through a purification unit between an upper dirt water container (2) and a lower clean water tank (3) that may be sealed against the environment for preventing contamination. The device may also be provided a vent tube (12) for venting of air from the upstream side of a membrane in the purification unit. Advantageously, the tube (12) extends upwards to the upper edge of the dirt water container (2). Also a backwash system may be integrated, the system comprising a receptacle (8) for accumulation of the backwash water to

prevent consumption thereof by mistake.

117/2012 SMART COMMUNICATIONS,  
INC. (Whose legal address is  
Smart Tower, 6799  
Ayala Avenue, Makati City 1226.,  
Philippines)  
Priority : 201103328-9  
10-05-2011 SG

**ÆSYSTEM AND METHOD FOR RECOGNIZING  
BROADCAST PROGRAM CONTENT”**

**IPC: H 04H 60/58  
1005407**

**Abstract:** A broadcast program content recognition system comprising at least one receiver adapted to sample broadcast program content from a broadcast source; a content recognition engine for recognizing and storing the sampled broadcast program content; and a content database in data communication with the content recognition means; the content database adapted to return information relating to the broadcast program content upon receipt of a query from a client device is disclosed. The system is configured such that in event where the content recognition engine is unable to recognize the sample broadcast program content, the content recognition engine splits the unrecognized sample into at least a first and second sequential portions and appends the first portion to a previously recognized sample.

124/2012 OZ ANADOLU KIMYA  
SANAYI VE TICARET  
ANONIM SIRKETI.  
(whose legal address is  
Mahmutbey Merkez Mah.  
Karaoglanoglu Cad.  
Servet Sok. No: 8  
Bagcilar Istanbul, Turkey  
ISTANBUL TURKEY  
(TR), TURKEY) Priority :

**ÆINNOVATION IN DISCHARGE PASTES.”**

**IPC: B 05C 5/0  
1005409**

**Abstract:** This invention relates to intended uses and rates of effective chemicals that constitute the discharge paste, which is used as the discharge agent prepared by an effective formulation of thiourea dioxide.

64/2012 SANOFI-AVENTIS  
DEUTSCHLAND  
GmbH.(whose legal address is  
Bruningstrasse 50,  
D-65929 Frankfurt am  
Main., Germany)  
Priority :11159758.9  
25-03-2011 GB

**ÆDOSE SETTING MECHANISM AND INJECTION  
DEVICE”**

**IPC: A 61M 5/00  
1005401**

**Abstract:** dose setting mechanism (1) for a resettable drug delivery device is provided comprising a dose setting member (3) and a drive member (4) for driving a piston rod in a distal direction during dose dispensing, wherein the drive member (4) comprises a proximal drive member (4'') and a distal drive member (4'). Further, a first clutch is provided for releasably coupling the proximal drive member (4'') and the distal drive member (4'). A spring means (7) biases the proximal drive member (4'') and the distal drive member (4') in the coupled state during dose setting and dose dispensing. According to one aspect of the invention engaging means (3a, 4a) are provided associated to the proximal drive member (4'') and to the dose setting member (3), wherein the engaging means (3a, 4a) are designed and arranged such that the proximal drive member (4'') entrains the dose setting member (3) in the distal direction during dose setting but allows a relative axial movement of the proximal drive member (4'') with respect to the dose setting member (3) in the proximal direction. Further, the invention refers to an injection device with such a dose

- setting mechanism.
- 65/2012 SANOFI-AVENTIS DEIFISCHL AND GmbH. (whose legal address is Bruningstrasse 50, D-65929 Frankfurt am Main., Germany)  
Priority :11159757.1  
25-03-2011 GB
- ÆDRUG DELIVERY DEVICE.”  
IPC: A 61M 5/00  
1005403
- Abstract:** A resettable drug delivery device (1) is provided comprising a body (9, 11), a cartridge holder (7) for receiving a cartridge (8), and means (13, 14, 17, 18) for releasably coupling the cartridge holder (7) to the body (9, 11) or the dose setting mechanism. During an initial rotational coupling movement of the cartridge holder (7) relative to the body (9, 11) or the dose setting mechanism the cartridge holder (7) is caused to move in a first axial direction relative to the body (9, 11) or the dose setting mechanism and during a continued rotational coupling movement of the cartridge holder (7) relative to the body (9, 11) or the dose setting mechanism the cartridge holder (7) is caused to move in a second, contrary axial direction.
- 232/2011 Dr. Md. Rezaul Karim (whose legal address is Village Hatigara, P.S.& P.O. : Bera, District : Pabna, Bangladesh) Priority :
- ÆA METHOD FOR PREPARING ANIMAL NUTRITIONAL FEED SUPPLEMENT AGAINST SUBCLINICAL MASTITIS AND ALL KINDS OF PAINS”  
IPC: A 23K 1/10  
1005415
- Abstract:** The present invention provides a method for preparing a animal food product specially the method comprising mixing a dry ingredient composition, a proteincontaining composition and vitamin and some components which prevent diseases like sub clinical mastitis and all kind of pains in crises milk productions.
- 233/2011 Dr. Md. Rezaul Karim (whose legal address is Village Hatigara, P.S.& P.O. : Bera, District : Pabna, Bangladesh) Priority:
- “A PREPARATION FOR ANIMAL NUTRITIONAL FEED SUPPLEMENT AGAINST LIVER AND STOMACH DISEASE”  
IPC: A 23K 1/10  
1005414
- Abstract:** The present invention provides a method for preparing a animal food product specially the method comprising mixing a dry ingredient compositions a protein-containing composition and vitamin and some components which prevent diseases like Irregular Diarrhoea, Anorexia, loss of Appetite, indigestion, Weak liver, Chronic Fever, Worms infestation and Fate nine.
- 83/2012 TVS MOTOR COMPANY LIMITED (whose legal address is Jayalakshmi Estate, 29 (Old No. 8) Haddows Road Chennai 600 006, India) Priority :
- ÆGEAR TRANSMISSION SYSTEM FOR MOTORCYCLE”  
IPC: D 05B 81/00, 83/00  
1005463
- Abstract:** A vehicle with a transmission system operatively coupling the engine with at least one of the said wheels; said transmission being a gear transmission with at least two pre-selectable operational modes each mode operable over the entire speed range of vehicle; said transmission being connected to the engine through a centrifugal clutch having an output drive gear, and a gear shift element having a manual actuating member, said actuation member being movable

- between two positions for changing said gear transmission between said modes.
- 218/2011 JUKI CORPORATION  
(whose legal address is  
2-11-1  
Tsuruniaki, Tama-shi,  
Tokyo, Japan., Japan)  
Priority :
- ÆWORK ANALYZING APPARATUS IN COOPERATING SYSTEM OF A PLURALITY OF SEWING MACHINES”
- IPC: D05B 19/02, G06Q 90/00  
1005411
- Abstract:** According to one exemplary embodiment, a work analyzing apparatus in a cooperating system of a plurality of sewing machines includes: a thread cutting information receiving portion connected to a plurality of sewing machines to receive, from each of the plurality of sewing machines, thread cutting information indicating that thread cutting is carried out by the respective sewing machines; a stitch length receiving portion connected to the sewing machines to receive, from the respective sewing machines, information about a stitch length of a sewing carried out by the respective sewing machines; an in-process stitch length information creating portion for creating in-process stitch length information to be information about a stitch length in a single process from thread cutting to next thread cutting of the respective sewing machines based on the stitch length information and the thread cutting information; and a process determining portion for classifying a sewing process carried out by the respective sewing machines based on the received in- process stitch length information.
- 219/2011 JUKI CORPORATION  
(whose legal address is  
2-11-1, Tsurumaki, Tama-shi,  
Tokyo, Japan., Japan)  
Priority :
- ÆSEWING MACHINE WORK ANALYZING DEVICE AND SEWING MACHINE WORK ANALYSIS METHOD”
- IPC : D 05B 19/02, G 06Q 20/00  
1005410
- Abstract:** According to one exemplary embodiment, a sewing machine work analyzing device includes: a pitch time measuring means for measuring a pitch time; a pitch time frequency distribution calculating means for calculating a pitch time frequency distribution based on the measured pitch time; a work time classifying means for classifying a work time into a regular work time and an irregular work time based on the calculated pitch time frequency distribution; and an output means for outputting the classified regular work time and irregular work time in an identifiable manner.
- 284/2011 SCIPA HOLDING SA  
(whose legal address is  
Av. De Florissant 41,  
FRILLY 1008, Switzerland)  
Priority : 61/420; 582  
07-12-2010 US
- ÆSIMPLIFIED CONTROL OF COLOR SHIFTING PROPERTIES OF A CHIRAL LIQUID CRYSTAL POLYMER”
- IPC: B05D 3/02, 3/06, 5/00  
1005406
- Abstract:** The invention relates to a chiral liquid crystal precursor composition, wherein the chiral liquid crystal precursor composition comprises at least one salt that changes a position of a selective reflection band exhibited by the composition in a cured state compared to a position of a

- selective reflection band exhibited by a composition in a cured state that does not contain the at least one salt.
- 111/2012 Rieter Ingolstadt GmbH  
(Whose legal address is  
Friedrich-Ebert- Strasse  
84, 85055 Ingolstadt,  
Germany)  
Priority: DE 10 2011 632.9  
11-05-2011 DE
- ÆCAN CHANGER FOR A SPINNING PREPARATION  
MACHINE AND METHOD FOR CHANGING CANS”
- IPC : B 65H 67/04  
1005427
- Abstract:** The invention relates to a can changer for a spinning preparation machine, preferably for a drawing frame, carding machine, or comber, wherein the can changer comprises at least two can gripper devices by means of which one can (1) each can be brought between a first position and a second position, wherein each can gripper device comprises a contact surface (2) for the can (1) and a retaining element (3) that is displaceably mounted relative to the contact surface (2). According to the invention, each retaining element (3) can be displaced by means of an actuating device (4) between a closed position, in which a can (1) can be fixed by means of the retaining element (3) and the associated contact surface (2) of the associated can gripper device, and an open position in which the can (1) is not fixed. The invention further relates to a method for changing cans (1) on a spinning preparation machine, preferably a drawing frame, carding machine, or comber, by means of a can changer, by means of which the cans (1) are brought between a first position and a second position during the can exchange, and characterized in that two cans (1) each are fixed relative to the can changer by means of a common actuating element (9) prior to the can changing.
- 118/2012 vi. Be. Mac. S.p. A  
(whose legal address is Via Monte  
Pastello, 7/1-3  
7057SAN GIOVANNI  
LUPATOTO (Verna), Italy)  
Priority ; VR2011A000110  
01-11-2013 IT
- ÆPRESSER DEVICE AND SEWING MACHINE  
COMPRISING SAID DEVICE”
- IPC: D 05B 29/02  
1005432
- Abstract:** Presser device couplable with a sewing machine (10) having a control system and comprising a head (14) and a base (12) on which an article (50) to be sewn rests. The presser device comprises a presser bar (24) couplable with the head (14), and a presser foot (26), hinged through a pivot (28) on said presser bar (24) so as to vary the inclination of the presser foot (26) in respect to the presser bar (24). The presser foot (26) is fit to push the article (50) in order to maintain said article under pressure on the base (12) even if the thickness of the article (50) varies.
- 102/2012 Perfetti Van Melle S. p.A  
(Whose legal address is  
Via XXV April, 7. 20020  
LAINATE, Italy)  
Priority : 11162690.9  
15-04-2011 IT
- ÆFILLED SNACKS”
- IPC : A 21D 13/00, 13-06  
1005451
- Abstract:** The present invention relates to a filled snack and to a method of manufacture thereof The snack comprises an inner region containing a filling, which comprises starch, fat and powder seasoning, and an outer shell region, at least partially surrounding the filling. which comprises starch and/or starch-containing flours. The snack is stable toward

leaking of the tilling or soaking by fat separation from the filling, while retaining a creamy textured filling.

**তামাদি পেটেন্ট পুনরুদ্ধার ধারা-১৬**

**Restoration Proceeding under Section 16 Of the Act.**

নিম্নলিখিত তামাদি পেটেন্ট পুনরুদ্ধারের ব্যবস্থা গ্রহণ করা হয়েছে। ১৯৩৩ সনের পেটেন্ট ও ডিজাইন বিধিমালা অনুযায়ী ৬ নং ফরমে পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা), ৯১ মতিঝিল বা/এ, ঢাকা এই ঠিকানায় যে কোন ব্যক্তি অত্র পেটেন্ট প্রকাশিত হওয়ার ৬ সপ্তাহের মধ্যে ১৯১১ সনের পেটেন্ট ও ডিজাইন আইনের ১৬ ধারা অনুযায়ী পেটেন্ট পুনরুদ্ধারের নিমিত্তে দাখিলকৃত দরখাস্তের বিরোধিতা নোটিশ দাখিল করতে পারবেন।

Application has been entertained in respect of the following lapsed patent. Any person may lodge notice of opposition on Form-6 of the Patents and Designs Rules, 1933 for restoration of the patent in prescribed manner in the Department of Patent, Design & Trademarks, Ministry of Industries (5<sup>th</sup> Floor), 91, Motijheel C/A, Dhaka within 6 weeks from the date of notification in the Gazette.

Patent No.	Date of Patent	Title of Invention	Applicant.
1004224	30/08/2003	æAn improved Fastening System of Rail to Sleeper for Railway Track”	Rahee Industries Limited, 138, Biplavi Rash Behari Basu Road, Calcutta-700 001.
1004407	08/11/2004	æCONTROLLED HEATING AND COOLING OF MIXED CONDUCTING METAL OXIDE MATERIALS’	AIR Products and Chemicals, Inc., a American Company, of 7201 Hamilton, Boulevard Allentown, PA 18195-1501 United States of America.
1004484	05/03/2005	æContainer for Containment and transport of objects”	Deutsche Post AG., Charles-de Gaulle etr-20 53113 Bonn, Germany.
1005017	01/09/2009	æA Stepped Structure”	Intelligent Engineering (Bahamas) Limited., Bahamas International Trust Building, Bank Lane Po box N8188 Nassau, Bahamas.

**MD. ELIAS BHUIYA**  
Deputy Registrar (Patents & Designs).