

বাংলাদেশ



গেজেট



কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, নভেম্বর ১২, ২০২০

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর  
শিল্প মন্ত্রণালয়  
৯১, মতিঝিল বা/এ, ঢাকা-১০০০।

গৃহীত পেটেন্ট দরখাস্ত

Accepted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদনপত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরির বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময়সীমার 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 অংকবিশিষ্ট 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 আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামার প্রত্যাযিত 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 অগ্রাধিকার তারিখরূপে 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 of 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 the Paris Convention.]

- |           |   |  |
|-----------|---|--|
| 177/ 2018 | Cathay Pacific Airways Limited, a company existing and organized under the laws of Hong Kong, (whose legal address is 9/F South Tower, Cathay Pacific City, 8 Scenic Road, Hong Kong International Airport, Lantau, Hong Kong, China) Priority: HK 17107456.3 Dated: 25/07/2017 | <p style="text-align: center;">A LOCKING ASSEMBLY THAT LOCKS A CARGO NET TO A PALLET.</p> <p style="text-align: center;"><i>IPC:</i> B 60P 7/06</p> <p style="text-align: center;"><b>1006242</b></p> <p><b>Abstract:</b> A method and a locking assembly for locking a cargo net to a pallet for preventing access to cargo during transportation is disclosed. One example embodiment provides a locking assembly with an anchor, a retaining ring and a cable tie. The anchor includes a base member, a bolt, and a spring. The retaining ring locks to both the cargo net and the base member. The cable tie locks the bolt and the base member together and prevents the bolt from moving from the base member. Such that the anchor is prevented from being removed from the pallet without destroying the anchor or the pallet.</p>   |
| 195/ 2018 | Saroj Vanijya Pvt. Ltd., a Company incorporated under the laws of India, (whose legal address is 7th Floor, 3A Ecospace, Plot No. 2F/11, New Town, Rajarhat, Kolkata – 700156 West Bengal, India) Priority: IN 201731024816 Dated: 13/07/2017.                                  | <p style="text-align: center;">Method For Manufacturing A Dry Mix Construction Material And System Thereof.</p> <p style="text-align: center;"><i>IPC:</i> C 04B 20/00</p> <p style="text-align: center;"><b>1006230</b></p> <p><b>Abstract:</b> The present invention discloses a method and a system for manufacturing a dry mix construction material. Accordingly, user-input indicative of initial design parameters for manufacturing the dry mix construction material is received and at least one dry mix construction material from a plurality of dry mix construction material designs is selected based on the initial design parameters. Based on the selected at least one dry mix construction material, at least one hydraulic material, at least one a fine aggregate, a coarse aggregate, at least one powder based additive, and at least one optional pozzolanic material are selected from respective plurality of sub-groups of materials. Thereafter the hydraulic material, the fine aggregate, the coarse aggregate, the powder based additive, and the optional pozzolanic material thus selected are mixed to obtain the at least one dry mix construction material.</p> |
| 206/ 2018 | Hishab Limited. A Company incorporated under the laws of Bangladesh, (whose legal address is Road-06, House-4A, Gulshan-02, Dhaka, Bangladesh).   | <p style="text-align: center;">A System and method of delivering user specific content via a cellular or data network.</p> <p style="text-align: center;"><i>IPC:</i> G 06F 15/16, G 06Q 30/00</p> <p style="text-align: center;"><b>1006255</b></p> <p><b>Abstract:</b> The invention relates to the field of inputting data in a business solution, software, financial solution/software, or mobile application using human voice as primary human-computer interface via an Application Point Integration. Where the API collects data using an Interactive Voice Response by utilising Automatic Speech Recognition, Natural Language Processing and/or voice biometrics, Natural Language Understanding and Artificial Intelligence by the system's registered or non registered users.</p>  |

- 214/ 2018 Saroj Vanijya Pvt. Ltd., a company incorporated under the laws of India, (whose legal address is 7th Floor, 3A Eospace, Plot No. 2F/11, New Town, Rajarhat, Kolkata – 700156 West Bengal, India) Priority: IN 201731027025 Dated: 29/07/2017.
- METHOD OF PRODUCING A COMPACT AND HIGHLY DENSE CONSTRUCTION MATERIAL AND COMPOSITION THEREOF.
- IPC:* B 28C 5/00
- 1006256**
- Abstract:** A method of producing compact and highly dense construction material, the method includes a gradation process to determine a smallest fine aggregate fraction of a raw construction material and particle-size distribution analysis to determine a mode average particle diameter of said smallest fine aggregate fraction of the raw construction material resulting into a series of lattice void fillers ranging from a Micro to Nano particle size level, said series of lattice void fillers correspond to a first set of cementitious materials having the mode average particle diameters in order of 1/3rd to 1/5th of the mode average particle diameter of the smallest fine aggregate fraction of the raw construction material and further set of cementitious materials having the mode average particle diameters in order of 1/3rd to 1/5th of mode average particle diameter of previous set of cementitious material.
- 221/ 2018 INNER MONGOLIA YILI INDUSTRIAL GROUP CO., LTD., a company duly organized and existing under the laws of China, (whose legal address is NO. 1, JINSHAN ROAD, JINSHAN DEVELOPMENT ZONE, HOHHOT, INNER MONGOLIA 010110, P.R., China) Priority: CN 201710673299.0 Dated: 09/08/2017.
- METHOD FOR PRODUCING A MICROENCAPSULATED OIL-AND-FAT.
- IPC:* A 23L 33/115
- 1006243**
- Abstract:** The present invention discloses a method for producing a microencapsulated oil-and-fat, comprising microencapsulating the oil-and-fat, wherein materials are subjected to carbon dioxide treatment during the microencapsulation, and the carbon dioxide treatment comprises: introducing carbon dioxide into the materials, and then refrigerating the materials. The producing method of the invention is simple, effectively improves the embedding rate of the oil-and-fat in the microencapsulated oil-and-fat, improves the stability of the oil-and-fat, and can prolong the shelf-life of a corresponding final product. The present invention also discloses a microencapsulated oil-and-fat produced by the method.
- 230/ 2018 OPULENT ELECTRONICS INTERNATIONAL PTE. LTD., Nationality: A company organized and existing under the laws of Singapore, (whose legal address is 22 Sin Ming Lane, #05-79 Midview City, Singapore 573969, Singapore) Priority: SG 10201706597Y Dated: 11/08/2017.
- DEVICE AND METHOD FOR PROVIDING AN ELECTRICAL CURRENT TO AN ELECTRICAL LOAD.
- IPC:* H 02M 1/00, H 05B 1/00
- 1006257**
- Abstract:** A device and a method for providing an electrical current to an electrical load is disclosed. In particular, the device comprises a memory storage device for storing a plurality of ideal voltage waveforms; an electronic controller arranged in data communication with the memory storage device, the electronic controller operable to select one of the plurality of ideal voltage waveforms to compute a reference voltage and a switching period based on a predetermined rule; and an electronic switch arranged to receive the switching period to switch the electronic switch between an on state and an off state, wherein the electrical current is calculated based on a function of the reference voltage and the switching period of the electronic switch.

- 242/ 2018 Arvind Limited, a company existing and organized under the laws of India, (whose legal address is NARODA ROAD, AHMEDABAD - 380 025, GUJARAT, India)  
Priority: IN 201721030037  
Dated: 24/08/2017.
- A NEEDLE-PUNCHED NON-WOVEN APPAREL FABRIC.  
*IPC: D 04H 1/28, 1/46, 18/00*  
**1006244**  
**Abstract:** The present invention provides a non-woven apparel fabric and a method for manufacturing the said non-woven apparel fabric. The non-woven apparel fabric comprises a dyed or undyed non-woven fabric having a fibrous web needle-punched over a scrim and coated with polyurethane or acrylic. The process requires substantially less time and minimum energy consumption for manufacturing the apparel fabric as compared to the presently available method for manufacturing the apparel fabric.
- 243/ 2018 ARVIND LIMITED. A company organized and existing under the laws of India, (whose legal address is NARODA ROAD, AHMEDABAD - 380025, GUJARAT, India)
- AN EXHAUSTION PROCESS FOR DYEING THERMOPLASTIC FIBERS, YARNS/FILAMENTS OF FABRICS THERE OF.  
*IPC: D 06P 1/32*  
**1006245**  
**Abstract:** Described is an exhaustion process for dyeing thermoplastic fibers, yarns/filaments or fabrics thereof that utilizes swelling of the thermoplastics at glass transition state along with a swelling agent, dyes the swelled thermoplastics with oxidative dyes and utilizes reducing agents to colour the thermoplastic fibers yarns/filaments or fabrics thereof in an exhaustion chamber.
- 251/ 2018 Saurer Spinning Solutions GmbH & Co. KG., a company organized and existing under the laws of Germany, (whose legal address is Carlstr. 60, 52531 Uebach-Palenberg, Germany) Priority: DE 10 2017 122 318.5 Dated: 26/09/2017.
- Compression Device.  
*IPC: D 01H 5/72*  
**1006260**  
**Abstract:** The invention comprises a compression device for compacting a sliver that is drawn by a drafting system of a textile machine. In accordance with the invention, it is envisaged that the compression device is designed as a channel compressor and has a guide channel, designed in the shape of a screw in the running direction of the sliver, wherein the entry opening of the guide channel is widest horizontally and the exit opening of the guide channel is arranged rotated at least 300 with respect to the entry opening.
- 253/ 2018 ARVIND LIMITED, a company organized and existing under the laws of India, (whose legal address is NARODA ROAD, AHMEDABAD - 380025, GUJARAT, India)  
Priority: IN 201821012250  
Dated: 31/03/2018.
- A SINGLE CORE COMPOSITE ELASTIC YARN AND A WOVEN STRETCHABLE FABRIC THEREOF.  
*IPC: D 02G 3/00*  
**1006246**  
**Abstract:** The present invention provides a single core composite elastic yarn having count of at least 4s Ne and the elastic content at least 15% (w/w). The single core composite elastic yarn consists an elastic filament of at least 180 denier as a core; and a fibrous sheath covering the core. The single core composite elastic yarn has very good recovery and also easy to manufacture in a cost-effective way.

- 254/ 2018 CJ Cheiljedang Corporation. A Company organized and existing under the laws of Korea, (whose legal address is 330, Dongho-ro, Jung-gu, Seoul, Republic of Korea) Priority: KR 10-2017-0111472 Dated: 31-08-2017 and KR 10-2018-0054965 Dated: 14-05-2018
- NOVEL BACILLUS AMYLOLIQUEFACIENS STRAIN AND METHOD FOR PREPARING FERMENTED SOY PRODUCT USING THE SAME.
- IPC:* A 23K 10/18, C 12N 1/20, C 12R 1/07
- 1006231**
- Abstract:** The present disclosure relates to a method for preparing a fermented soy product comprising: inoculating a *Bacillus amyloliquefaciens* CJ24-34 (KCCM12038P) strain into a soybean meal or a soy protein concentrate; and obtaining a fermented soybean meal or a fermented soy protein concentrate, which is fermented by culturing the *Bacillus amyloliquefaciens* strain, a fermented soy product prepared by the method, and an animal feed composition comprising the fermented product. The fermented soy product prepared by the method does not contain mucilage, shows an excellent antibacterial activity, and has a high content of low molecular weight peptides.
- 255/ 2018 CJ Cheiljedang Corporation. A Company organized and existing under the laws of Korea, (whose legal address is 330, Dongho-ro, Jung-gu, Seoul, Republic of Korea) Priority: KR 10-2017-0111456 Dated: 31-08-2017 and KR 10-2018-0054960 Dated: 14-05-2018.
- SOY PROTEIN CONCENTRATE HYDROLYZED UNDER LOW MOISTURE CONDITION AND PREPARATION METHOD THEREOF.
- IPC:* A 23J 1/14
- 1006232**
- Abstract:** The present disclosure relates to a method for preparing a soy protein concentrate hydrolyzed under a low moisture condition, a soy protein concentrate prepared by the method, and a feed composition comprising the same.
- 260/ 2018 JSC «DB «Promengineering» (a company incorporated under the laws of Russian Federation), (whose legal address is 123458, Moscow, Twardowskogo str., 8., Russian Federation) Priority: RU 2017132726 Dated: 20/09/2017.
- TECHNOLOGICAL PROCESS RADIATION MONITORING APPARATUS (PRMA).
- IPC:* G 01T 1/167
- 1006268**
- Abstract:** The invention relates to an apparatus used for technological process radiation monitoring, for example, as part of the safety control systems or automated process control systems (APCS), which may be applied at both radiation-hazardous facilities (for example, at nuclear industry and power engineering facilities) and medical institutions, as well as at industrial facilities associated with the use of ionizing radiation sources. The technological process radiation monitoring apparatus according to the present invention comprises a detection unit connected with a threshold module consisting of an input digital pulse counter; a clock frequency generator, a timer for the digital pulse counter the input of which is connected to the output of the clock frequency generator, and the output is connected to the input of the input digital pulse counter reset; a threshold RS-trigger, the R-input of which is connected to the output of the input digital pulse counter and the input of the timer digital pulse counter reset, the S-input is connected to the input of the input digital pulse counter reset and to the output of the timer digital pulse counter, and the output is the controlling output of the threshold control unit. The threshold RS-trigger is configured to produce the control from a cationic species EDG-L2-[2+]-L1-N(L2-EDG) 2, where in the process is carried out in a sealed

reactor at a temperatures or process apparatus. The apparatus also comprises a threshold module's malfunction detecting module and a detection unit's malfunction detecting module for periodic execution of diagnostics. The technical result of the claimed invention is to increase the process safety by simultaneously increasing the speed of response to an accident and the reliability of radiation monitoring apparatuses.

261/ 2018 JSC «DB «Promengineering»  
(a company incorporated under  
the laws of Russian  
Federation), (whose legal  
address is 123458, Moscow,  
Twardowskogo str., 8., Russian  
Federation)  
Priority: RU 2017145953  
Dated: 26-12-2017.

SAMPLING COLLECTOR FOR REPRESENTATIVE  
SAMPLING OF GAS-AEROSOL MEDIUM FROM A  
DISCHARGE PIPE.

*IPC:* G 01N 1/10

**1006269**

**Abstract:** The present invention relates to the apparatuses used as part of sampling systems that provide representative aerosol-containing air sampling from discharge pipes of industrial facilities for its further transporting through the bypass and mount nozzles along a sampling pipeline to a filtering unit for the subsequent measurement of their physical characteristics. The sampling collector comprises a bundle of sampling tubes of different lengths with bent ends, on which the connectors with sampling tips are mounted, a mixing chamber with a body shaped as a hollow receptacle, the base of which is connected to the ends of the bundle of sampling tubes opposite to the bent ends with connectors, a pipe segment, one of the ends of which is connected to the vertex of the mixing chamber, and the second end is the outlet of the sampling collector. The bundle of sampling tubes of the sampling collector being configured to be located within the discharge pipe by mounting it through an aperture in the wall of the discharge pipe in a position, in which the axes of the connector inlets are parallel to the longitudinal axis of the discharge pipe and are directed towards the air flow therein. The lengths of the sampling tubes are selected so that each of the connectors installed at their ends is located in the form of concentric rings of equal area inside one of the zones, into which the cross-section of the discharge pipe is arbitrarily divided in the point of the connectors location, and the number of which is equal to the number of sampling tubes in the bundle. The technical result of the claimed invention is an increase in the representative nature of the gas-aerosol medium sampling from the discharge pipe of the industrial facilities, which provides for the higher accuracy of assessing the impact of the industrial enterprise emissions on the state of the environment and the improvement of public safety. 9 dependent claims, 9 figures, 2 tables, 1 annex

264/ 2018 Cotton, Inc., an USA  
Nationality, (whose legal  
address is 6399 Weston  
Parkway, Cary, North Carolina  
27513, United States of  
America)  
Priority: US 62/557,311  
Dated: 12/09/2017 and US  
62/699,920 Dated: 18-07-2018.

A FORMULATION FOR FINISHING A CELLULOSIC  
SUBSTRATE, OR A BLEND THERE OF.

*IPC:* D 06M 15/39

**1006247**

**Abstract:** A formulation for finishing a cellulosic substrate, or a blend thereof, in a finish bath, the formulation comprising from about 3.0% to about 60.0% by weight of non-formaldehyde dimethylurea/glyoxal (DMUG), or an analog thereof, and from about 0.1% to about 4.0% by weight of one or more additives selected from dicyandiamide, choline chloride, ethyleneurea, propyleneurea, urea, dimethylurea, and combinations thereof, wherein the percent by weight is given in terms of percent weight of the finish bath, and wherein the formulation is substantially free of dimethyloldihydroxyethyleneurea (DMDHEU), and methods of use thereof.

- 268/ 2018 Element, Inc. A Corporation  
Incorporated under the laws of  
USA, (whose legal address is  
72 Greene Street, Floor 4 New  
York 10012 NEW YORK,  
United States of America)  
Priority: US 62/560,038  
Dated: 18-09-2017
- Methods, Systems, And Media For Detecting Spoofing In  
Mobile Authentication.**
- IPC: G 06K 9/00, 9/46, 9/52, G 06Q 30/02*
- 1006261**
- Abstract:** Provided herein are devices, systems, and methods for detecting spoofing of a 3D object, using a 2D representation, in a mobile object authentication process, comprising capturing image data of the 3D object by a front-facing camera, to record a current spatial characteristic of the 3D object, while a front-facing screen displays an authentication pattern comprising a plurality of regions, wherein at least one of the regions varies in at least one of: brightness, position, size, shape, and color over time causing a variance of lighting effects which create highlights and shadows on the 3D object over time. The devices, systems, and methods thereby provide an efficient and secure process for determining if spoofing of the 3D object, using a 2D representation, is attempted in a mobile authentication process, by comparing the current spatial characteristic of the 3D object with a stored reference spatial characteristic of the 3D object.
- 271/ 2018 Fortiac Corporation dba  
Téchin New York. A  
Corporation Incorporated in  
USA, (whose legal address is  
225 W 36th Street, 4th Floor,  
New York, NY 10018, United  
States of America) Priority: US  
62/563,525 Dated: 26/09/2017  
and US PCT/US2018/050011  
Dated: 07-09-2018.
- Woven Garment with Knit Stretch Panels.**
- IPC: A 41B 1/08, A 41D 1/04, 1/08, 27/10*
- 1006248**
- Abstract:** A garment formed of a woven limited-stretch fabric includes knit stretch panels to provide stretch in key areas of the garment.
- 272/ 2018 Ashley Furniture Industries,  
Inc. Nationality: A Corporation  
Incorporated in USA, (whose  
legal address is One Ashley  
Way, Arcadia, Wisconsin  
54612, United States of  
America)  
Priority: US 62/562, 163  
Dated: 22-09-2017.
- Ready To Assemble Furniture.**
- IPC: A 47C 7/42*
- 1006270**
- Abstract:** A ready-to-assemble (“RTA”) sofa suitable for outdoor use comprising a seat base and a back rest that can be reconfigured between a use configuration in which the sofa has a conventional L-shaped cross-section and a shipping or storage configuration in which the sofa is arranged in a more efficiently stacked rectangular cross-section. The rectangular cross-section allows the sofa to be more efficiently stacked with other sofas during shipping or storage. In addition, the rectangular cross-section reduces the dead spaces created when an L-shaped sofa is inserted into a box that can collapse during shipping or storage. Moreover, providing a single rigid integral component, the seat base, as an internal skeletal component, provides vertical support extending substantially the height of the box at the opposing ends, provides a highly robust boxed package.

- 277/ 2018 HONDA MOTOR CO., LTD.,  
a company organized and  
existing under the laws of  
Japan, (whose legal address is  
1-1, Minami-Aoyama 2-  
chome, Minato-ku, Tokyo,  
107-8556, Japan) Priority: JP  
PCT/JP2017/035700 Dated:  
29-09-2017
- AIR CLEANER.**
- IPC:* F 02M 35/04
- 1006249**
- Abstract:** An air cleaner includes an opening portion formed in a first case portion of an air cleaner case, and through which an insertion member of an intake member is inserted into the first case portion, a fixing supporting portion configured to fix and support a portion of the intake member that is positioned at the opening portion, on the first case portion, and two fixing portions configured to fix and support the insertion member inserted into the first case portion. A region formed by connecting the fixing supporting portion and the two fixing portions has a substantially triangular shape.
- 278/ 2018 BRITISH AMERICAN  
TOBACCO (INVESTMENTS)  
LIMITED, a company  
organized and existing under  
the laws of England, (whose  
legal address is Globe House, 1  
Water Street, London, WC2R  
3LA, United Kingdom)  
Priority: GB 1717567.0  
Dated: 25-10-2017
- A Filter for a Smoking Article or an Aerosol Generating Product.**
- IPC:* A 24D 3/04
- 1006271**
- Abstract:** A filter for a smoking article or an aerosol generating product comprising filter material and three capsules comprising additive, the capsules being disposed in sequence in a direction along a longitudinal axis of the filter.
- 283/ 2018 NTT DOCOMO, Inc.  
Nationality: A Japanese  
Corporation, (whose legal  
address is 11-1, Nagatacho 2-  
chome, Chiyoda-ku, Tokyo  
100-6150, Japan)  
Priority: JP 2017-208619  
Dated: 11-10-2017.
- User Terminal And Radio Communication Method.**
- IPC:* H 04W 48/10, 72/04
- 1006262**
- Abstract:** In order to reduce the load and/or the latency of UEs in radio communication systems in which communication is performed using different configurations from those used in existing LTE systems, the present invention provides a user terminal that has a receiving section configured to receive a primary synchronization signal, a secondary synchronization signal, and a broadcast channel, and a control section configured to control, in a predetermined block that is formed by a predetermined number of symbols and a predetermined number of subcarriers, reception of the PSS and the SSS which are located in a first frequency domain, and the PBCH which is located in at least part of a second frequency domain that is broader than the first frequency domain. The PBCH is located in the predetermined block in at least part of a predetermined domain that neighbors the SSS in the frequency direction, and the PBCH is not located in a predetermined domain that neighbors the PSS in the frequency direction.
- 295/ 2018 RELIANCE INDUSTRIES  
LIMITED, a company  
organized and existing under  
the laws of India, (whose legal  
address is 3rd Floor, Maker  
Chamber-IV, 222, Nariman  
Point, Mumbai - 400021,  
Maharashtra, India)  
Priority: IN 201721036941  
Dated: 17-10-2017
- SILANE FUNCTIONALISED FIBRE BASED COATING COMPOSITION AND A PROCESS OF PREPARATION THEREOF.**
- IPC:* C 08J 7/12, C 09D 5/02
- 1006276**
- Abstract:** The present disclosure envisages a coating composition. The coating composition comprises a polymeric emulsion, silane functionalized fibres and a fluid medium. The

silane functionalized fibres are present in an amount in the range of 0.05 wt.% to 10 wt.% of the coating composition. The polymeric emulsion is present in an amount in the range of 20 wt.% to 60 wt.% of the coating composition. The fluid medium is present in an amount in the range of 5 wt. % to 40 wt.% of the coating composition. The silane functionalized fibre comprises at least one polymer bonded to at least one silane group. The coating composition of the present disclosure exhibit improved properties such as better coverage when applied on a surface, mechanical properties, stain resistance properties and the like, when compared to coating composition without fibres.

298/ 2018 BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED., a company organized and existing under the laws of England, (whose legal address is Globe House, 1 Water Street, London, WC2R 3LA, United Kingdom)  
Priority: GB 1717569.6  
Dated: 25/10/2017

**A Filter for a Smoking Article or an Aerosol Generating Product.**

*IPC:* A 24D 3/06

**1006263**

**Abstract:** A filter for a smoking article or an aerosol generating product comprising a first filter section and a second filter section, the second filter section being located downstream of the first filter section; the first filter section comprising filter material and two or more capsules comprising additive, the capsules being disposed in an axial region proximal a longitudinal axis of the filter and being spaced in sequence in a direction along the axis; the second filter section comprising at least one channel located in an axial region of the second filter section proximal a longitudinal axis of the filter, to facilitate, in use, drawing of an aerosol through the axial region of the first filter section in which the capsules are disposed.

301/ 2018 Super-Max Personal Care Pvt. Ltd., an Indian Private Limited Company, (whose legal address is Wagle Estate, LBS Road, Teen Hath Naka Opp Eternity Mall, Thane West, Mumbai - 400604, Maharashtra, India).

**SHAVING CARTRIDGE WITH ENHANCED RINSABILITY.**

*IPC:* B 26B 21/22

**1006264**

**Abstract:** The present invention relates to razor cartridge with a multifunctional seat that is attachable to a handle, plurality of blades without the spacers and a multifunctional cap obviating the use of spacers in between blades. The Multifunctional seat provided with protrusions/selective seat and multifunctional cap with corresponding provisions to hold respective blade on the seat enables to dispose plurality of blades parallelly with respect to each other without the use of spacers and yet holding the blades rigidly in their predisposed positions during shaving and providing flushing channels for cleaning of the shaving debris during rinsing of the cartridge after shaving.

306/ 2018 Novus International Inc. Nationality: A Corporation Incorporated in USA, (whose legal address is 20 Research Park Drive, St. Charles 63304 MISSOURI, United States of America)  
Priority: US 62/587,708  
Dated: 17/11/2017.

**Compositions And Methods of Improving Dietary Phosphorus And Calcium Utilization In Animals.**

*IPC:* A 01N 37/36, A 23K 20/105, 20/189

**1006277**

**Abstract:** The present invention relates to compositions and methods for improving dietary phosphorus and calcium utilization in animals.

- 307/ 2018 LAKSHMI MACHINE WORKS LTD, a company organized and existing under the laws of India, (whose legal address is Perianaickenpalayam, Coimbatore 641020, Tamil Nadu, India) Priority: IN 201741040994 Dated: 16/11/2017.
- POSITIONING DEVICE FOR AUTOMATIC PIECING UNIT OF TEXTILE RING SPINNING MACHINE.**
- IPC:* B 65H 49/00, D 01H 15/00, 15/013, D 03D 47/00
- 1006250**
- Abstract:** The present invention deals with an improved positioning device for a piecing unit of a textile machine. The platform of the piecing unit is provided with at least two positioning forks that matches with the fixed position elements of the textile machine. The piecing unit is automatic type which pieces the broken yarn ends. The textile machine is preferably ring spinning machine.
- 312/ 2018 Mr. Surasak BAMRUNGWONG, Nationality: Thai, (whose legal address is 350/26 Moo 6, Casa Ville Sriracha, Sriracha-Nongkho Road, T. Surasak, A. Sriracha, Chonburi 20110, Thailand) Priority: TH PCT/TH2017/000083 Dated: 22/11/2017.
- SYSTEM AND METHODS FOR NETWORK MARKETING COMPENSATION.**
- IPC:* G 06Q 30/00
- 1006265**
- Abstract:** The present invention relates generally to network marketing compensation, and specifically to a system and methods to compensate IBOs in a multi-level marketing program based on real business production performed by IBOs, by using definite specification methods, definite computation methods with compensation formulas, or specific techniques, to identify or determine Business Post, Leg Point, Depth Point and Business Scores, to calculate bonuses or other benefits in a compensation plan. A traditional stair-step and break-away plan is used as a starting point of improvements and is developed to be a new “team-up” compensation plan in this invention. Solutions of significant technical problems are disclosed.
- 313/ 2018 Oregon Precision Industries, Inc. dba PakTech, an oregon corporation, (whose legal address is 1680 Irving Road, Eugene, Oregon 97402, United States of America) Priority:
- CONTAINER CARRIER WITH FLEXIBLE RAISED HANDLE.**
- IPC:* B 65D 71/50
- 1006252**
- Abstract:** A container carrier and manufacturing method therefor are provided. The container carrier may include an integrally molded body with a top surface, a bottom surface, and a plurality of annular structures. Each annular structure may connect to at least one adjacent annular structure and may include a circumferential rib with a plurality of flanges, which are collectively configured to secure a container. An integrally formed handle may extend upward from the body of the container carrier. The handle may include a graspable region and a bifurcated region that forms a pair of arms that connect to the body and support the graspable region in an upright configuration in an unbiased state. The arms may flex such that an intersection of the bifurcated region and graspable region moves to accommodate a downward flexion of the handle when a downward biasing force is applied to the handle in a biased state.

- 319/ 2018 COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH., An Indian Registered body incorporated under the Registration of Societies Act (Act XXI of 1800), (whose legal address is Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110001, India) Priority: IN 201711042427 Dated: 27/11/2017.
- Method and System for Activity Recording, Visualisation and Analysis for Identified Segments of Forest.**
- IPC:* G 01V 1/00, G 06F 17/00, G 08B 13/22
- 1006266**
- Abstract:** The present invention relates to an intelligent framework for seismic activity monitoring in a defined geographical area of a forest that is capable of visualisation, analysis, multi-level actuations and information broadcasting to a number of multi-type user bases, wherein, intelligent framework for real-time seismic activity monitoring is accomplished using at least one edge computing platform and an analytics server enabled with artificial intelligence; wherein, the real-time seismic activity monitoring comprises of at least one of the methods, detection; tracking; localisation; categorisation of activities caused due to movement of one or more target seismic sources such as animals, humans and vehicles; wherein information to be broadcasted can be data, statistics, inference, warning, etc.; wherein information broadcasting is through at least one of the dissemination methods, audio-visual alert; short message service; electronic mail; push notification; wherein the users belong to at least one of the user groups, forest officials; security forces; traffic management personnel; railway operators or officials; people residing in the nearby vicinity; commuters in that region.
- 321/ 2018 INNER MONGOLIA YILI INDUSTRIAL GROUP CO., LTD., a company duly organized and existing under the laws of P.R. China, (whose legal address is NO. 1, JINSHAN ROAD, JINSHAN DEVELOP-MENT ZONE, HOHHOT, INNER MONGOLIA 010110, P.R., China) Priority: CN 201711235972.9 Dated: 30/11/2017
- COMPOSITION FOR DEBITTERIZING HYDROLYZED PROTEINS AND PRODUCT, PREPARATION AND USES THEREOF.**
- IPC:* A 23L 5/20
- 1006253**
- Abstract:** The present invention provides a composition for debittering hydrolyzed proteins and a product, preparation and use thereof. The composition comprises a short chain fatty acid, a medium chain fatty acid and a long chain fatty acid, wherein, based on total mass of the short chain fatty acid, the medium chain fatty acid and the long chain fatty acid which is 100%, the medium chain fatty acid is present in an amount of 0.2-4.7%, the long chain fatty acid is present in an amount of 95.1-99.4%, and the remaining is the short chain fatty acid. The present invention can effectively reduce the bitter taste of hydrolyzed proteins and is widely used.
- 323/ 2018 NTT DOCOMO, Inc. A Japanese Corporation, (whose legal address is 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan) Priority: JP 2017-241134 Dated: 29/11/2017
- User Terminal And Radio Communication Method.**
- IPC:* H 04W 72/04
- 1006233**
- Abstract:** The present invention provides a user terminal including: a receiving section that detects multiple downlink control information for scheduling downlink shared channels in a plurality of downlink control channels; and a control section that, when delivery acknowledgement information for the multiple downlink control information is transmitted in a same slot, determines an uplink control channel resource for the delivery acknowledgement information based on a control channel element index of a downlink control channel corresponding to last specific downlink control information in a time order of the multiple downlink control information and

a resource indication field in the specific downlink control information. According to this aspect of the invention, it is possible to transmit uplink control information appropriately in future radio communication systems.

342/ 2018 (2) R.J. Reynolds Tobacco Company, Nationality: A Company Incorporated in USA, (whose legal address is 401 North Main Street, Winston-Salem 27101 NORTH CAROLINA, United States of America) and (1) University Of Kentucky Research Foundation, Nationality: A Foundation under the laws of USA, (whose legal address is 201 Gillis Building, Lexington 40506-0033 KENTUCKY, United States of America) Priority: US 62/595,983 Dated: 07/12/2017.

**bZIP Transcription Factors Regulate Conversion Of Nicotine To Nornicotine.**

IPC: A 01H 5/00, 5/12, A 24B 13/00

**1006279**

**Abstract:** A method of decreasing conversion of nicotine to nornicotine is provided herein. The methods includes administering at least one basic region/leucine zipper type transcription factor inhibitor to an organism in need thereof. Also provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a bZIP type transcription factor binding site on a promoter of a nicotine N-demethylase. Further provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a plant genome to knockout at least one bZIP type transcription factor.

343/ 2018 LG ELECTRONICS INC., a Company incorporated under the laws of Republic of Korea, (whose legal address is 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea) Priority: US 62/596,111 Dated: 07/12/2017

**METHOD OF TRANSMITTING UPLINK PHASE TRACKING REFERENCE SIGNAL BY USER EQUIPMENT IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS SUPPORTING SAME.**

IPC: H 04W 72/04

**1006234**

**Abstract:** The present invention proposes a method of transmitting and receiving an uplink phase tracking reference signal between a user equipment and a base station in a wireless communication system and an apparatus therefore. According to one embodiment applicable to the present invention, the user equipment can transmit an uplink phase tracking reference signal to the base station using a power boosting level determined based on first information and second information received from the base station.

345/ 2018 Sentec Ltd, a company organized and existing under the laws of England, (whose legal address is 5 The Westbrook Centre, Milton Road, Cambridge CB4 1YG, United Kingdom) Priority: GB 1803630.1 Dated: 07/03/2018

**Electricity meter with electrically-controlled electromechanical switch.**

IPC: H 01H 3/46

**1006254**

**Abstract:** An electricity meter comprising an electrically-controlled electromechanical switch is disclosed. The electromechanical switch comprises a rotary actuator comprising a generally-cylindrical permanent magnet rotor having a central axis, a stator comprising a closed stator core and first and second opposite stator poles inwardly-projecting from the closed stator core towards the rotor and first and second coils wound around the first and second stator poles respectively. The electromechanical switch comprises a switch comprising at least one pair of first and second contacts wherein the first contact is movable. The electromechanical switch comprises mechanical linkage between the rotary actuator and the movable contact(s) configured such that rotation of the rotor from a first angular position to a second angular position causes the switch to be opened, and rotation from the second angular position to the first angular position causes the switch to be closed.

- 361/ 2018 SAIPEM S.p.A., a company organized and existing under the laws of Italy, (whose legal address is 20097 SAN DONATO MILANESE (MI) / Via Martiri di Cefalonia, 67, Italy) Priority: EP 17210463.0 Dated: 22/12/2017
- DUPLEX STAINLESS STEELS AND METHOD THEREOF.**
- IPC:* C 22C 38/00, 38/02, 38/04
- 1006235**
- Abstract:** It is provided a duplex stainless steel for use in a urea production plant and/or in a urea production process, containing in weight percentage (%w): C 0,03 or less; Si 0,5 or less; Mn 2,5 or less; Cr from more than 30,0 to 35,0; Ni from 5,5 to 8,0; Co from 0,01 to 0,8; Mo from 2,0 to 2,5; W 2,5 or less; N from 0,3 to 0,6; Cu 1,0 or less; and having one or more of: Ca 0,0040 or less; Mg 0,0040 or less; one or more rare-earth elements in a total amount of 0,1 or less; the balance being Fe and impurities; and satisfying the relationship:  $Z = 1,062 (Ni+Co) + 4,185 Mo$  is between 14,95 and 19,80.
- 363/ 2018 Pearl Aqua Co., Ltd., a company organized and existing under the laws of Thailand, (whose legal address is 28/4 Moo 5, Samet, Chon Buri District, 20000, Chon Buri, Thailand) Priority: SG PCT/SG2018/050021 Dated: 15/01/2018
- METHOD FOR PRODUCING LIVE AQUACULTURE FEED.**
- IPC:* A 23K 50/80
- 1006272**
- Abstract:** A method of producing a live aquaculture feed is provided. The method includes providing a plurality of cysts having a catalyst on a surface thereof, incubating the cysts in a liquid medium to hatch a portion of the cysts and release a plurality of live food organisms, reacting the catalyst on the surface of the cysts with a gas-producing reagent to generate a plurality of bubbles that cause unhatched cysts and cyst shells to surface, and separating the live food organisms from the unhatched cysts and the cyst shells that surface.
- 8/ 2019 Afzaal Mustafa S/O Khan Ghulam Mustafa, Pakistani National, (whose legal address is House No. 2 Street No. 39, F-8/1, Islamabad, Pakistan) Priority: PK 338/2018 Dated: 10/05/2018 and PK 43/2018 Dated: 19/01/2018.
- MULTIPURPOSE SAFETY SHIELD ASSEMBLY FOR PILLION RIDER.**
- IPC:* B 62J 17/02
- 1006267**
- Abstract:** Disclosed is a safety shield assembly for a bike rear wheel or front wheel or both, intended for the prevention of accidents involving pillion riders wearing loose clothing. The safety shield assembly includes one or more custom designed panels having provision to adopt various fastening means and display advertisements.
- 38/ 2019 HIL LIMITED, a Limited Company organized and existing under the laws of India, (whose legal address is (FORMERLY HYDERABAD INDUSTRIES LIMITED) SLN TERMINUS, 7th Floor, Near Botanical Garden, Gachibowli, Hyderabad 500032, India) Priority:
- NON ASBESTOS SANDWICH PREFABRICATED PANELS WITH IMPROVED WET STRENGTH AND SOUND INSULATION AND MANUFACTURING PROCESS THEREOF.**
- IPC:* C 04B 28/04
- 1006236**
- Abstract:** Non-asbestos based sandwich prefabricated panels a pair of having high wet strength facings with a light weight concrete core sandwiched between the facing sheets wherein the light weight concrete core is made up of water 30 to 60% of total weight of the mix(w/w), 0.05-0.5% of an aerating agent

such as aluminum powder, 0 to 20% of low density aggregate exfoliated vermiculite and/or perlite, 0 to 70% of pozzolonic material such as pulverized fly ash, 0.0-4% modified/unmodified wollastonite, 0.1-4% cellulose fibers (jeans/cotton), 0.2-2% high modulus reinforcing fibers such as PET, PP, PVA, carbon fibers etc and remaining is Portland cement.

50/ 2019 NTT DOCOMO, Inc.,  
A Japanese Corporation,  
(whose legal address is 11-1,  
Nagatacho 2-chome, Chiyoda-  
ku, Tokyo 100-6150, Japan)  
Priority: JP 2018-038095  
Dated: 02-03-2018

**User Equipment And Base Station Apparatus.**

*IPC:* H 04W 72/04

**1006237**

**Abstract:** User equipment for receiving an instruction to perform a random access procedure from a base station apparatus is provided. The user equipment includes a receiver configured to receive, from the base station apparatus, information specifying at least one available random access channel transmission occasion associated with a synchronization block, a controller configured to identify a given random access channel transmission occasion based on the information, and a transmitter configured to transmit a random access preamble by using the identified given random access channel transmission occasion.

51/ 2019 SKS METAPLAST  
SCHEFFER-KLUTE GMBH,  
a Private Limited Company  
organized and existing under  
the laws of Germany, (whose  
legal address is Zur  
Hubertushalle 4, 59846  
Sundern, Germany) Priority:  
DE 202018101779.9 Dated:  
29-03-2018

**LUGGAGE CARRIER FOR A TWO- WHEELER.**

*IPC:* B 62J 7/00

**1006273**

**Abstract:** Luggage carrier for a two-wheeler, in particular for a bicycle, including at least one elongated fastening element with multiple bends, wherein, with the luggage carrier attached to the two-wheeler, one portion of the one fastening element extends in each case on each of the two sides of a wheel, or wherein at least two fastening elements are provided and at least one of the at least two fastening elements extends on each of the two sides of the wheel, means for attaching the luggage carrier to the two-wheeler and connecting means which connect the two portions of the one fastening element or the two fastening elements together, wherein the connecting means are designed in such a manner that as a result of the connecting means, the two portions of the one fastening element or two of the at least two fastening elements are connected together in a non-positive and/or positive locking manner.

55/ 2019 British American Tobacco  
(Investments) Limited, a  
company organized and  
existing under the laws of UK,  
(whose legal address is Globe  
House, 1 Water Street, London  
WC2R 3LA, United Kingdom)  
Priority: GB 1803905.7  
Dated: 12-03-2018.

**Methods for treating tobacco material, apparatus for treating tobacco material, treated tobacco material and uses thereof.**

*IPC:* A 24B 3/04

**1006274**

**Abstract:** The present invention provides a method of treating tobacco material comprising intermittently contacting a tobacco starting material with a heated surface to produce a dried treated tobacco material. Also provided is an apparatus

for treating treating tobacco material. The invention also provides treated tobacco material that is seared and dried, as well as products comprising the same.

58/ 2019 Natural Synergies Ltd., a corporation organized and existing under the laws of United Kingdom, (whose legal address is 2 Defender Court, Sunderland Enterprise Park, Sunderland, SR5 3PE, United Kingdom)  
Priority: GB 1804034.5  
Dated: 13-03-2018

**AN IMPROVED DEWATERING METHOD AND APPARATUS.**

*IPC:* C 02F 11/00, 11/12

**1006238**

**Abstract:** The present invention provides a method and an apparatus for treating sewage sludge, the method comprising applying a plurality of ultrafine bubbles to a sludge to form an at least partially aerated sludge, applying acoustic energy to the aerated sludge to agitate at least a portion of the ultrafine bubbles and applying an electric field to the aerated sludge to impart an electrophoretic mobility to the ultrafine bubbles to thereby facilitate separation and transport of water molecules from solid matter within the sludge.

59/ 2019 RELIANCE INDUSTRIES LIMITED, a company organized and existing under the laws of India, (whose legal address is 3rd floor, Maker Chamber-iv, 222, Nariman Point, Mumbai-400021, Maharashtra, India)  
Priority: IN 201821015081  
Dated: 20-04-2018

**AN APPARATUS FOR CONTAINMENT OF GAS LEAKAGE THROUGH THE VALVE OF A CYLINDER.**

*IPC:* F 16K 35/00

**1006275**

**Abstract:** The present disclosure envisages an apparatus for containment of gas leakage through the valve and valve accessories of a cylinder. The apparatus is easy to use and manufacture. The apparatus comprises a sealing element, a dome-shaped cap, a rigid element, and a lock plate. The sealing element is disposed on a cylinder body circumscribing the valve. The cap is mounted on the sealing element, and contains the gas leakage through the valve. The lock plate is disposed between a top ring and the cap, and is connected to a threaded stem of the rigid element receivable on the cap. The lock plate and the rigid element secure the cap on the sealing element.

71/ 2019 DAICEL CORPORATION, A Company incorporated under the laws of Japan, (whose legal address is 3-1, Ofuka-cho, Kita-ku, Osaka-shi, Osaka 530-0011, Japan)  
Priority: JP  
PCT/JP2018/012439 Dated: 27-03-2018

**METHOD FOR PRODUCING ACETIC ACID.**

*IPC:* C 07C 51/12, 51/42, 53/08

**1006280**

**Abstract:** Provided are a method and an acetic acid production method, each of which can effectively restrain or prevent local corrosion of an inner wall of a process unit and/or line and can lower a formic acid concentration in an acetic acid product. The method produces acetic acid by a process including a reaction step and a separation step. In the reaction step, methanol is carbonylated with carbon monoxide in the presence of a catalytic system, acetic acid, methyl acetate, and water, where the catalytic system includes a metal catalyst and methyl iodide. In the separation step, the reaction mixture

resulting from the reaction step is separated, using at least one selected from evaporators and distillation columns, into a stream containing the catalyst, an acetic acid stream rich in acetic acid, and a stream rich in lower-boiling components as compared with the acetic acid stream. In this method, an oxygen concentration is controlled by at least one of controlling the oxygen concentration in a gaseous phase in the process to less than 7 percent by volume, and controlling the oxygen concentration in a liquid phase in the process to less than  $7 \times 10^{-5}$  g/g. In addition, a formic acid concentration in the liquid phase in the process is controlled to 500 ppm by mass or less. Thus, the formation of at least one of iodine and formic acid is restrained.

74/ 2019 ADIENNE Pharma & Biotech SA., A Company incorporated under the laws of Switzerland, (whose legal address is Via Zurigo, 46, 6900 LUGANO, Switzerland) Priority: IT 102018000004116 Dated: 30-03-2018

**Sterile flexible package with pressure compensator for the dosed reconstitution of fluid medicinal or nutritional substances to be administered to patients by infusion or injection.**

IPC: A 61J 1/12

**1006278**

**Abstract:** The package comprises a sterile bag filled with liquid diluent, a bottle equipped with a pierceable cap to contain a medicinal or nutritional substance and a tube extending from the bag and ending with a coupling and perforation device for the cap of the bottle. Said bag is housed in a flexible sterile sealed casing, while the bottle and the coupling and perforation device are accommodated in a second flexible sterile sealed casing. The tube has a portion between the first and second casing, housing a flow diverter adjustable from a first position in which it impedes any communication between the bottle and the bag, to a second position in which it allows the bag to be put in communication with a sealed side opening for a syringe, or a third position in which it allows the bottle to be connected with said side opening. To another side opening of the flow diverter a flexible tube with hydrophobic filter is attached, terminating into one and/or the other of said sterile sealed casings and serving as a pressure compensator.

146/ 2019 SEREN TECHNOLOGIES LIMITED, a company incorporated under the laws of United Kingdom, (whose legal address is No.8, The Incubator Wilton Centre, Redcar, Cleveland, TS10 4RF, United Kingdom) Priority: GB 1809813.7 Dated: 15/06/2018.

**IONIC LIQUID PREPARATION.**

IPC: C 07C 211/63, C 07D 233/61, C 07F 5/00, C 22B 3/26

**1006239**

**Abstract:** A process for preparing a cationic species [Cat<sup>+</sup>] for an ionic liquid, said process comprising reacting a reagent (1) H<sub>2</sub>N-L1-[Z] with a reagent (2) LG-L2-EDG, to form a cationic species EDG-L2-[Z<sup>+</sup>]-L1-N(L2-EDG)<sub>2</sub>, wherein the process is carried out in a sealed reactor at a temperature of at least 100 °C.

150/ 2019 KANE KOGYO CO., LTD., a company existing and organized under the laws of Japan, (whose legal address is 2036 Oaza-Okusa, Komaki-shi, Aichi, 485-0802, Japan) Priority: JP 2018-151692 Dated: 10/08/2018.

**FORCED VALVE OPENING AND CLOSING  
MECHANISM OF MAIN VALVE.**

*IPC:* F 16D 1/00

**1006251**

**Abstract:** To enable forced control of the opening degree of a main valve so as to also handle various situations that normal functions of normal pilot type back pressure valves and other pilot type automatic control valves cannot handle. [Solution Means]In a pilot type automatic control valve having a main body 1 formed of a diaphragm valve, an erect pipe 21 with a predetermined height through which an upper side of a valve stem 18 projecting upward from a diaphragm 10 is inserted and supported in a watertight manner is provided to project from an upper portion of the main body 1, a nut 22 into which the valve stem 18 projecting outward from an upper end opening portion 21a of the erect pipe 21 is screw-inserted is provided to be attachable to and detachable from an end face 21b of the upper end opening portion 21a, a cap 23 with a height higher than an upper limit position of the valve stem 18 is removably covered on the erect pipe 21, and an adjusting screw 24 is screwed into the inside of the cap 23 from an upper end face of the cap 23 to penetrate therethrough so that a lower end of the adjusting screw 24 is attachable to and detachable from an upper end of the valve stem 18 inside the cap 23.

85/ 2020 OPULENT ELECTRONICS INTERNATIONAL PTE. LTD., Nationality: A company organized and existing under the laws of Singapore, (whose legal address is 22 Sin Ming Lane, #05-79 Midview City, Singapore 573969, Singapore) Priority: SG 10201706597Y Dated: 11/08/2017

**DEVICE AND METHOD FOR PROVIDING AN  
ELECTRICAL CURRENT TO AN ELECTRICAL  
LOAD.**

*IPC:* H 02M 1/00, H 05B 1/00

**1006258**

**Abstract:** A device and a method for providing an electrical current to an electrical load is disclosed. In particular, the device comprises a memory storage device for storing a plurality of ideal voltage waveforms; an electronic controller arranged in data communication with the memory storage device, the electronic controller operable to select one of the plurality of ideal voltage waveforms to compute a reference voltage and a switching period based on a predetermined rule; and an electronic switch arranged to receive the switching period to switch the electronic switch between an on state and an off state, wherein the electrical current is calculated based on a function of the reference voltage and the switching period of the electronic switch.

86/ 2020

OPULENT ELECTRONICS INTERNATIONAL PTE. LTD., Nationality: A company organized and existing under the laws of Singapore, (whose legal address is 22 Sin Ming Lane, #05-79 Midview City, Singapore 573969, Singapore) Priority: SG 10201706597Y Dated: 11/08/2017

DEVICE AND METHOD FOR PROVIDING AN ELECTRICAL CURRENT TO AN ELECTRICAL LOAD.

IPC: H 02M 1/00, H 05B 1/00

**1006259**

**Abstract:** A device and a method for providing an electrical current to an electrical load is disclosed. In particular, the device comprises a memory storage device for storing a plurality of ideal voltage waveforms; an electronic controller arranged in data communication with the memory storage device, the electronic controller operable to select one of the plurality of ideal voltage waveforms to compute a reference voltage and a switching period based on a predetermined rule; and an electronic switch arranged to receive the switching period to switch the electronic switch between an on state and an off state, wherein the electrical current is calculated based on a function of the reference voltage and the switching period of the electronic switch.

167/ 2020

CJ CHEILJEDANG CORPORATION. A Company organized and existing under the laws of Korea, (whose legal address is 330, Donghoro, Jung-gu, Seoul, Republic of Korea) Priority: KR 10-2017-01111472 Dated: 31/08/2017 and KR 10-2018-0054965 Dated: 14/05/2018

NOVEL BACILLUS AMYLOLIQUEFACIENS STRAIN AND METHOD FOR PREPARING FERMENTED SOY PRODUCT USING THE SAME.

IPC: A 23L 11/20

**1006240**

**Abstract:** The present disclosure relates to a method for preparing a fermented soy product comprising: inoculating a *Bacillus amyloliquefaciens* CJ24-34 (KCCM12038P) strain into a soybean meal or a soy protein concentrate; and obtaining a fermented soybean meal or a fermented soy protein concentrate, which is fermented by culturing the *Bacillus amyloliquefaciens* strain, a fermented soy product prepared by the method, and an animal feed composition comprising the fermented product. The fermented soy product prepared by the method does not contain mucilage, shows an excellent antibacterial activity, and has a high content of low molecular weight peptides.

168/ 2020

CJ CHEILJEDANG CORPORATION. A Company organized and existing under the laws of Korea, (whose legal address is 330, Donghoro, Jung-gu, Seoul, Republic of Korea) Priority: KR 10-2017-01111472 Dated: 31/08/2017 and KR 10-2018-0054965 Dated: 14/05/2018

NOVEL BACILLUS AMYLOLIQUEFACIENS STRAIN AND METHOD FOR PREPARING FERMENTED SOY PRODUCT USING THE SAME.

IPC: A 23L 11/20

**1006241**

**Abstract:** The present disclosure relates to a method for preparing a fermented soy product comprising: inoculating a *Bacillus amyloliquefaciens* CJ24-34 strain into a soybean meal or a soy protein concentrate; and obtaining a fermented

soybean meal or a fermented soy protein concentrate, which is fermented by culturing the *Bacillus amyloliquefaciens* strain, a fermented soy product prepared by the method, and an animal feed composition comprising the fermented product. The fermented soy product prepared by the method does not contain mucilage, shows an excellent antibacterial activity, and has a high content of low molecular weight peptides.

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