

বাংলাদেশ



গেজেট



কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, ফেব্রুয়ারি ২৪, ২০২২

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়

গৃহীত পেটেন্ট দরখাস্ত

Accepted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পাশে উল্লিখিত যে কোনো 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 কোনো সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা), ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ খ্রিষ্টাব্দের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পাশে 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 কোনো আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যায়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফি সহ 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 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 (5th 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.

203/2019 Pressanna Rohan De
Lanerolle, A Sir Lankan
citizen, (whose legal address is
203, Horana Road, Wekada,
Panadura, Sri Lanka) Priority:
SG 10201806356 R
Dated: 25-07-2018 and SG
10201810843X
Dated: 03-12-2018

A THREAD TYING MODULE FOR A TEABAG
BAGGING MACHINE AND A METHOD OF
ATTACHING THREAD TO A TEABAG.

IPC: B 65B 29/04

1006564

Abstract : A thread tying module may include a rotation shaft; two or more cams on the rotation shaft; two or more levers, each in engagement with a corresponding cam; two or more linkage mechanisms, each connected to a corresponding lever; a needle assembly including a needle configured to be rotatable about its longitudinal axis, and a needle holder connected to a first linkage mechanism configured to move the needle assembly to a forward disposition; and a thread pusher assembly including a thread pusher head connected to a second linkage mechanism configured to move the thread pusher assembly to a forward disposition and a thread inserter pivotably mounted to the thread pusher head, wherein, when both the assemblies are in the respective forward disposition, the thread pusher head engages and pushes a thread towards the needle assembly, and the needle assembly engages with the thread on the thread pusher head.

28/2020 Telefonaktiebolaget LM
Ericsson (publ), a company
organized and existing under
the laws of Sweden, (whose
legal address is SE-164 83
Stockholm, Sweden) Priority:
EP PCT/EP2019/075455
Dated: 23-09-2019 and US
62-824, 745 Dated: 27-03-
2019

USE OF WAKE-UP RECEIVER WITH BLUETOOTH LOW
ENERGY.

IPC: H 04W 52/02

1006520

Abstract: A method of establishing connection between a first node in a wireless network and a second node in said wireless network, wherein each of said first and second nodes comprise a primary radio receiver and a wake up receiver, each of said nodes comprising a Radio Frequency, RF, switch, arranged to connect one of said primary or secondary radios to a radio antenna, said method comprising the steps of transmitting, by said first node, to a wake-up receiver of a second radio node, a wake-up signal that indicates a frequency channel on which the second radio node is to transmit a response, receiving, by said first node, in response to transmitting said wake-up signal, response from said second radio node on the frequency channel indicated, and establishing, by said first node, a connection between said first and second nodes in order to transfer data between said first and second nodes. The present disclosure also relates to corresponding mesh nodes and a computer program product.

- 41/2020 Nokia Technologies OY, A Company incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland) Priority: US 62/806, 445 Dated: 15-02-2019
- FAILURE INDICATION OF MASTER CELL GROUP WITH FALL-BACK TO RADIO RESOURCE CONTROL RE-ESTABLISHMENT.
- IPC: H 04G 15/05*
- 1006524**
- Abstract:** Systems, methods, apparatuses, and computer program products for failure indication of master cell group (MCG) with fall-back to radio resource connection (RRC) re-establishment are provided.
- 46/2020 RevoluGen Limited, UK national company, (whose legal address is Unit 4, Rossington Place, Graphite Way, Hadfield, Derbyshire, SK13 1QG United Kingdom) Priority: GB 1902171.6 Dated: 15-02-2019
- PURIFICATION METHOD.
- IPC: C 12N 15/10*
- 1006530**
- Abstract :** A filter for isolating nucleic acid from a sample and methods of isolating and purifying nucleic acid from a sample is described. The filter has a first porous region and a second porous region. The first porous region is arranged to be contacted in use by the sample before the second porous region, and the first porous region has a nominal pore size that is greater than the second porous region.
- 47/2020 Nokia Technologies OY, A Company Incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland) Priority: US 62/806, 389 Dated: 15-02-2019 and US 62/825, 500 Dated: 28-03-2019
- STRUCTURE OF MESSAGE FROM USER EQUIPMENT TO BASE STATION IN 2-STEP RANDOM ACCESS.
- IPC: H 04W 1/00*
- 1006549**
- Abstract :** Fallback aspects associated with the power ramping procedure are addressed. More specifically, a set of control mechanisms allows for a gNB to adjust thresholds for controlling the UE transfer from a 2-step RACH procedure to a 4-step RACH procedure while still maintaining a proper setting for transmit power during this transition. The mechanism will allow for a UE to have a smooth transition to the 4-step procedure instead of having to start the power ramping from scratch when transferring to the fall-back routine
- 52/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is jayalakshmi Estates, No.29 (Old No.8 Haddows Road, Chennai 600 006, India) Priority: IN 201941009236 Dated: 13-03-2019
- VAPOR TUBE FOR A FUEL TANK ASSEMBLY
- IPC: B 06K 1/00*
- 1006526**
- Abstract :** The present invention relates to a saddle type vehicle, where said vehicle comprises of a fuel tank assembly mounted on at least a portion of said vehicle, includes a canister, a hose a fuel level sensor, a hose drain canister, vapor tube, fuel tank inner portion, fuel tank outer portion, bracket for vapor tube and a vapor chamber assembly, where a portion of the vapor tube has two extreme portions being arranged in a zig zag manner inside the fuel tank assembly which helps in eliminating roll over valve & its supporting components.

- 53/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai 600 006, India) Priority: IN 201941010334 Dated: 16-03-2019
- FOOTREST ASSEMBLY FOR A TWO-WHEELED VEHICLE.
IPC: B 62G 15/05
1006527
- Abstract :** The following invention relates to a footrest assembly provided for a two-wheeled vehicle. As per the present subject matter, the two-wheeled vehicle comprises of a support element partially attached to a side panel (LH & RH) and a step through portion of the vehicle. The footrest assembly is attached to the support element, and the support element comprises of a recess in which the footrest assembly is perfectly accommodated in a closed condition. The footrest assembly makes an angle of not more than 45 degrees with respect to the ground in a closed condition. The footrest assembly comprises of a top surface and a bottom surface, wherein in a closed condition of said footrest assembly the bottom surface lies in a same plane as that of the side panel (LH & RH). In addition to it, the support element extends along a plane AA', and in an open condition of the footrest assembly the top surface also lies in the same plane AA' as that of the support element.
- 54/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai 600 006, India) Priority: IN 201941011378 Dated: 24-03-2019
- AUTO DIAGNOSTIC SECURITY ALARM SYSTEM
IPC: B 01H 1/00
1006537
- Abstract :** The present subject matter provides an auto diagnostic security alarm system in a saddle type vehicle. The present subject matter specifically provides a system which prevent an unauthorized user access of the vehicle . It further provides an ignition lock module and a wiring harness module which are electrically connected to each other by a pair of connectors. The present subject matter utilizes one or more existing loads already provided in the vehicle such as horn and a turn signal lamp and utilizing the same for the alert and indication system when any unauthorized presen tried to access the vehicle. The present subject matter reduces the additional cost and installation space by utilizing the existing parts of the vehicle.
- 55/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legas address is jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai 600 006, India) Priority: IN 201943011578 Dated: 25-03-2019
- A SYNCHRONIZED BRAKING SYSTEM.
IPC: B 01H 1/00
1006550
- Abstract :** The present subject matter relates to a synchronized braking system. An independent brake actuation lever is coupled to at least one front wheel brake for actuation therof. A synchronous brake actuation pedal capable of receiving brake actuating forces is pivotably suported to a frame member of the vehicle by a pivot shaft. A reaction relay member pivoted about said pivot shaft is capable of rotating independent of the synchronous brake actuation pedal. The reaction relay member is communicated to a rear brake actuating member for actuating the rear brake actuating member through reaction of an outer sheath of an intermediate brake cable acting on the reaction relay member during application of the synchronous brake actuation pedal. It offers a reliable braking system with reduced joints and is capable of offering superior brake feel.

- 57/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai 600006, India) Priority: IN 201943011577 Dated: 25-03-2019
- A SYNCHRONIZED BRAKING SYSTEM FOR A VEHICLE.
IPC: B 60G 5/00
1006551
- Abstract :** The present subject matter provides a synchronized braking system for a vehicle. A foot-operated brake lever capable of synchronously transmitting brake actuating forces to both rear wheel brake and front wheel brake is movably pivoted to a moving-pivot member about a first-pivot axis (F-F') to actuate any one brake. The moving-pivot member operatively connected to a second actuating member capable of actuating any other brake. The second actuating member is actuated by pivotal reaction of the foot-operated brake lever pivoted to the moving-pivot member. A secondary stopper capable of restricting a pivotal movement of the moving-pivot member beyond a pre-determined degree of rotation.
- 60/2020 Hishab Limited, A Company incorporated under the laws of Bangladesh, (whose legal address is Road 96, House 4A, Gulshan 2, Dhaka, Bangladesh)
- A SYSTEM FOR TRANSMITTING USER SPECIFIC DATA TO DEVICES.
IPC: H 04M 11/06
1006534
- Abstract :** A system and method for delivering content services to the user based on the user requirement is provided. The method comprises receiving a user request over a network. The method further comprises processing the user request by a cross-modal voice interface engine and planning and delivering of the content services to the user based on the user request parameters calculated by the cross-modal voice interface engine. Hence, by using the above system and method of data transmission, the system is made independent of the type of the personal technology devices using a telecommunication network and the user-specific data is displayed over a display device as per the requirements of the user.
- 61/2020 UPL LTD, Nationality: A company organized and existing under the laws of India, (whose legal address is Agrochemical Plant, Durgachak, Midnapore Dist, Haldia 721 602, West Bengal, India) Priority: IN 201931006753 Dated: 20-02-2019
- SPRAY COMPOSITION OF AVERSIVE AGENT.
IPC: A 01N 25/02, 37/44
1006522
- Abstract :** The present invention relates to a composition comprising bittering agent for defense against human or animal attacker. The present invention more particularly relates to a composition comprising denatonium compound for self-defense, method of making and use of said composition as a personal protectant against human or animal attacker.
- 64/2020 Sanko Tekstil Isletmeleri Sanayi Ve Ticaret Anonim Sirketi, Nationality: A company organized and existing under the laws of Turkey, (whose legal address is 3, Organie Sanayi Bölgesi, 83304 Nolu Cad. No: 2, Sehitkamil, 27500 Gaziantep, Turkey) Priority : EP PCT/EP
- ELASTIC YARN, KNITTED TEXTILE MATERIAL AND SOCK MADE WITH THE ELASTIC YARN.
IPC: D 02G 1/00
1006540
- Abstract :** It is provided an elastic yarn comprising at least one elastic filament and at least one further filament, which form a core of the yarn. As different regions of a garment, e.g. socks, need to have different properties in view of recovery, comfort and

- 2019/079889 Dated: 31-10-2019
- robustness, and as it is important that the respective articles are easy to produce in the elastic yarn the elastic filament has a draft between 0.2 and 15.0, and the further filament has a draft of between 0.2 and 5.0
- 67/2020 CEVP SAGL, a company duly organized and existing under the laws of Switzerland, (whose legal address is Via Pioda 2-6900 LUGANO, Switzerland) Priority: IT 102019000002701 Dated: 25-02-2019
- COLORANTE CERAMICO A BASE ACQUOSA.
- IPC: C 09D 11/328
- 1006552**
- Abstract :** The invention relates to a colouring composition, preferably an ink for ink jet printing, comprising : (A) 3.0-15.0% by weight of Ti in the form of a titanium compound obtained by a process comprising: (i) reacting at least one titanium alkoxide with water and, optionally, at least one alcohol, thereby obtaining a reaction mixture; (ii) adding glycolic acid in a Ti: acid molar ratio comprised between 1:08 and 1:2.0, thereby generating a mixture of water and alcohol comprising an intermediate titanium compound; (iii) optionally, but preferably, removing part of the mixture comprising water and alcohol; (iv) adding at least one compound of formula $N(R_2)_3$ with a Ti: $N(R_2)_3$ molar ratio comprised between 1:0.20 and 1:1.50; and (v) completely eliminating the alcohol; (B) 0.2-2.5% by weight of Cr and/or Ni in the form of at least one water-soluble organic compound of Cr and/or Ni; (c) up to 100% by weight of at least one solvent selected from the group consisting of water, organic solvents miscible with water and mixtures thereof, wherein the quantities (A), (B) and (C) refer to the overall weight of the colouring composition.
- 71/2020 NTC S.R.L. A Company incorporated in Italy, (whose legal address is Via Luigi Razza 3, 20124 Milano (MI), Italy) Priority: It 102019000002857 Dated: 27-02-2019
- METHOD FOR FILLING CONTAINERS WITH A POWDER.
- IPC: A 61K 9/14
- 1006553**
- Abstract :** The present invention regards a method for filling containers with a single-dose composition comprising or, alternatively, consisting of mannitol in powder form. Such process comprises the following steps: a) breaking up a coherent mass of powder manitol, so as to obtain a broken-up mass from said coherent mass; c) filling a plurality of containers with the broken-up mass of step a), wherein a bulk density of the coherent mass is smaller than a bulk density of the broken-up mass.
- 72/2020 DANIELI & C. OFFICINE MECCANICHE S.P.A., Nationality: A company incorporated under the laws of Italy, (whose legal address is Via Nazionale, 41-33042 Buttrio (UD), Italy) Priority: IT 102020000000316 Dated: 10-01-2020
- METHOD AND APPARATUS FOR PRODUCING COILS OF STRIP.
- IPC: B 21B 37/00
- 1006554**
- Abstract :** Method for the production of flat metal products, in particular coils of strip, in endless and/or semi-endless mode, in which a metal product is continuously fed to a rolling mill consisting overall of at least 4 stands, in which the rolling stands are, in sequence, roughing stands, and finishing stands, wherein it is

provided to perform a flying gauge change, namely a change of thickness without interrupting the rolling process, of the metal product exiting from the rolling mill. At least the rotation speed of the rollers of the first stand of the rolling mill and their gap are not modified during the flying gauge change of the strip. The transition from the current thickness to the subsequent thickness occurs by applying a new set-up of parameters, for example gap between the rollers, speed of the rollers and inter-stand tension, to all the rolling stands involved in the flying gauge change. The number of stands involved in the flying gauge change, starting from the last stand of the finishing stands, is obtained taking into account the distribution of the rolling force of each stand, so that the new distribution of forces due to the thickness change does not cause the value of the rolling force of any stand whatsoever to exit from an acceptable tolerance range.

79/2020 JVC Kenwood Corporation
Nationality: a corporation in incorporated under the laws of Japan, (whose legal address is 3-12, Moriyacho, Kanagawa-ku, Yokohamashi, Kanagawa 2210022, Japan) Priority: JP 2019-042577
Dated: 08-03-2019

MOVING PICTURE CODING DEVICE, MOVING PICTURE CODING METHOD, MOVING PICTURE CODING PROGRAM, MOVING PICTURE DICODING DEVICE, MOVING PICTURE DECODING METHOD, AND MOVING PICTURE DECODING PROGRAM.

IPC: H 04n 19/52

1006531

Abstract : There is provided a technique that includes a merging candidate list constructor that constructs a merging candidate list including spatial merging candidates, and a triangle merging candidate selector that selects, from the merging candidate list, a first triangle merging candidate that is uni-prediction and a second triangle merging candidate that is uni-prediction, in which the triangle merging candidate selector derives a uni-prediction motion information candidate having a same priority in the first triangle merging candidate and the second triangle merging candidate.

81/2020 International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), an health research organization organized & existing under the laws of Bangladesh, (whose legal address is 68, Shaheed Tajuddin Ahmed Sarani, Mohakhali, Dhaka-1212, Bangladesh)

COMPOSITION TO FIGHT AGAINST MALNUTRITION

IPC: G 01G 63/02

1006561

Abstract : The present invention generally related to the development of a new recipe of a Ready to Use Nutritious Food (RUNF) or Nutrition Management (NM) named as Sharnali-2, particularly with locally available food ingredients. With the same internationally recommended nutrients composition, there is a known product already developed in France and proven to have effect in the treatment of severe acute malnutrition (SAM). However this overseas recipe of the RUNF is not quite acceptable in our country for management and treatment of SAM due to the excessive cost and lack of acceptability because it is based on peanut which is not a staple in Bangladesh. The present invention discloses one recipe named as 'Sharnali-2' prepared from locally available and culturally acceptable food ingredients which has

similar nutritional values. This new recipe was also tested for acceptability among children with SAM and found to have equal acceptance in compare to the previously established RUNF-Plumpy'nut. Besides, it has also been tested for its efficacy for management of SAM in young children and found to be equally effective in successful management of SAM when compared with the imported one. As such, this product can be successfully produced in Bangladesh and used for management and treatment of severe acute malnutrition in young Bangladeshi children.

82/2020 International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), an health research organization organized & existing under the laws of Bangladesh, (whose legal address is 68, Shaheed Tajuddin Ahmed Sarani, Mohakhali, Dhaka-1212, Bangladesh)

COMPOSITION TO FIGHT AGAINST MALNUTRITION

IPC: G 01G 63/02

1006562

Abstract : The present invention generally related to the development of a new recipe of a Ready to Use Nutritious Food (RUNF) or Nutrition Management (NM) named as Sharnali-1, particularly with locally available food ingredients. With the same internationally recommended nutrients composition, there is a known product already developed in France and proven to have effect in the treatment of severe acute malnutrition (SAM). However, this overseas recipe of the RUNF is not quite acceptable in our country for management and treatment of SAM due to the excessive cost and lack of acceptability because it is based on peanut which is not a staple in Bangladesh. The present invention discloses one recipe named as 'Sharnali-1' prepared from locally available and culturally acceptable food ingredients which has similar nutritional values, This new recipe was also tested for acceptability among children with SAM and found to have equal acceptance in compare to the previously established RUNF-Plumpy'nut. Besides, it has also been tested for its efficacy for management of SAM in young children and found to be equally effective in successful management of SAM when compared with the imported one. As such, this product can be successfully produced in Bangladesh and used for management and treatment of severe acute malnutrition in young Bangladeshi children.

87/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India , (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201941012863 Dated: 30-03-2019

A VEHICLE AND AN ENGINE ASSEMBLY THEREFOR

IPC: F 16H 3/08

1006546

Abstract : The present subject matter relates to an engine assemble for providing a range of torques to a vehicle. The engine assemble may include an engine having an engine shaft and a primary shaft assembly. The engine shaft may include drive gears mounted thereon. The primary shaft assembly includes a primary shaft having driven gears mounted thereon, and a lever coupled to the driven gears to selectively engage a driven gear with a drive gear to select a gear ratio between the driven gears and the drive gears. Further, each of the driven gears is adapted to selectively engage with one or more of the drive gears.

- 88/2020 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India , (whose legal address is Jayakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201941012934 Dated: 30-03-2019
- A TRANSMISSION ASSEMBLY.
IPC: F 16H 3/08
1006541
- Abstract :** The present invention related to the hybrid transmission system, wherein said hybrid transmission system comprises high toque system and low torque system. The reduction gear ratio for high torque system ranges from and for the low torque system it ranges from. The hybrid transmission system ensures efficient transmission accompanied by less noise and smooth gear shift operation. The hybrid transmission system configured to have compact layout and less weight.
- 89/2020 Elment Inc. Nationality: an UAE National, (whose legal address is 72 Greene St. Floor 4, New York, 10012 NY, United States of America) Priority: US 62/817, 554 Dated: 12-03-2019
- METHODS AND SYSTEMS FOR DETECTINE SPOOFING OF FACIAL RECOGNITION IN CONNETION WITH MOBILE DEVICES.
IPC: G 06F 21/32. G 06K 9/46. G 06T 17/05
1006565
- Abstract :** Described are methods, systems, and medias for detecting sppoofing of biometric identity recognition and/or validating an identity recognition match by using the camera of a mobile device, processing the user's face image or set of images at a first and second distance to generate first and second data representations, processing the first data representation into a predictive model, and comparing the data representation with the predictive model.
- 93/2020 YU YEE ENGINEERING PTE LTD. a company duly organized and existin under the laws of Singapore, (whose leagal address is 64 SUNGEI KADUT STREET, 1 SUNGEI KADUT INDUSTRIAL ESTATE, Singapore 729365, Singapore) Priority: SG 10201902589U Dated: 22-03-2019
- SYSTEM FOR PLACING A CABLE INTO A TROUGH.
IPC: B 66F 7/28, H 02G 1/08, 9/06
1006566
- Abstract :** A system for placing a cable into a horizontal trough (e.g., along an underground cable tunnel wall) includes a platform carrying a hauling machine that includes and ingress facing the front of the platrom, which receives the cable; and an egress facing the rear of the platform, from which the cable is displaced outward from the hauling machine by way of a hauling mechanism. A bottom track and a top track respectively extend from the front and the back of the platform. The botom track, the hauling machine, and the top track collectively form a cable displacement path that is inclined upwardly and rearwardly along the bottom track, truth the hauling machine, and along the top track. The top track is configurable to have an end selectively elevated to a height above an open recess of the trough, and is selectively laterally (re) positionable toward the trouth.

- 101/2020 Telefonaktiebolaget LM
Ericsson (publ), a company
organized and existing under
the laws of Sweden, (whose
legal address is SE-164 83
Stockholm, Sweden Priority:
US 62/825, 526 Dated: 28-02-
2019
- HARQ PROCESS FOR CELLS CONFIGURED FOR
MULTIPLE CONFIGURED UPLINKGRANTS.
IPC: H 04L 1/18, H 04W 72/14
1006525
Abstract : A hybrid automatic repeat request (HARQ) process for
cells configurable for multiple uplink grants is provided. A new
rule to define the HARQ process identifiers (IDs) for configured
grant is introduced, in cases when multiple configured grant
configurations are used. In some embodiments, a method
performed by a wireless device for a HARQ process in a cell
configurable for multiple configured uplink grants is provided.
The method comprises receiving an uplink grant comprising a
HARQ process ID; determining that a HARQ process associated
with the HARQ process ID is configured for a configured uplink
grant based on a HARQ process ID offset; and starting or
restarting a configured grant timer for the HARQ process.
Selectively starting the configured grant timer depending on
whether an identified HARQ process belongs to one of the
multiple configured grant configurations, enables the gNB
flexibility to schedule retransmissions or not.
- 110/2020 "MIRRICO" Limited Liability
Company (referred to as
"MIRRICO" LLC), (whose
legal address is 117630,
Moscow, ul. Vorontsovskie
prudy, 3 (three). kab. 5 (five),
Moscow, Russia, Russian
Federation) Priority : RU
2019113558 Dated: 29-04-2019
- NATURAL AND WASTE WATER TREATMENT METHOD
IPC: C 02F 1/72, 9/04
1006563
Abstract : The invention is classified as a physicochemical
method of natural and waste water treatment and can be used in
the energy engineering, chemical, petrochemical, food and other
industries, especially in treatment of process, domestic,
precipitation, mining, oilfield, quarry water and the water of
tailing pounds. The purpose of the invention is to improve the
treatment of natural and waste water, to increase the capacity of a
moving bed pressure filter and also to ensure high efficiency of the
cleaning of the moving bed. The technical result is the expansion
of the range of application of the moving bed pressure filter
ensuring high efficiency of treatment of both low contaminated
natural water and highly contaminated waste water. This result is
obtained due to the use of additional stages of chemical treatment
during water treatment (oxidizing agent, demulsifier, powder
sorber), the use of various types of a pressure flocculation
reactor, grains for a single and double moving bed, which have
different grain composition and density, the performance of four-
stage cleaning of the moving bed, the use of a dual-flow moving
bed pressure filter, as well as due to the use of the additional
pressure flocculation reactor followed by the removal of severe
contamination with the use of a pressurized hydrocyclone.
- 116/2020 MILLENNIUM E & C (M)
SDN. BHD. Nationality: a
company incorporated under
the laws of Malaysia, (whose
legal address is Suite B-3A-08,
Block B, Level 3A, Megan
Avenue II, 12, Jalan Yap
- AN APPARATUS AND METHOD FOR SOLID WASTE
MANAGEMENT
IPC: F 23G 04/201, 5/085. F 23 L 7/007
1006497
Abstract : The present invention provides a method for solid
waste management. The present invention decomposed thermally

Kwan Seng, 50450 Kuala Lumpur, Malaysia) Priority: MYPCT/MY2020/050027 Dated : 04-05-2020

by a method of using indirect plasma of oxygen and nitrogen causing molecular decomposition. In particular, the method for thermal decomposition of solid waste into reusable ash comprising steps of introducing a plurality of normal air molecules through a reactor chamber positioning a plurality of electrets in the reactor chamber to excite oxygen and nitrogen present in the plurality of normal air molecules; producing a plurality of indirect plasma of oxygen and nitrogen; introducing waste into a thermal decomposition chamber for manually starting ignition; feeding the plurality of indirect plasma of oxygen and nitrogen into the thermal decomposition chamber for molecular decomposition of the solid waste to produce a plurality of charged waste molecules; forming a combination of a plurality of high surface area fluid particles and a plurality of charged waste molecules; passing the combination of a plurality of high surface area fluid particles and a plurality of charged waste molecules through a plurality of liquid and solid filtration medias to produce a plurality of treated gases; and passing the plurality of treated gases through gas filters having a special filter media to improve characteristics.

118/2020 British American Tobacco (Investments) Limited., a British company, (whose legal address is Globe House, 1 Water Street London, WC2R 3LA, United Kingdom) Priority: GB 1906768.5 Dated: 14-05-2019

METHOD

IPC: C 07K 14/415

1006536

Abstract : The present invention relates to a method of reducing the content of at least one tobacco specific nitrosamine (TSNA) precursor in tobacco, the method comprising modulating the activity or expression of at least one gene encoding a Walls are thin 1-related (WAT1-related) protein.

123/2020 LAKSHMI MACHING WORKS LIMITED, a company organized and existing under the laws of India, (whose legal address is Perianaickenpalayam, Coimbatore-641020, Tamilnadu, India) Priority : IN 201941019462 Dated: 16-05-2019

AN AUTOMATIC PIECING ASSEMBLY FOR A TEXTILE RING SPINNING MACHINE

IPC: F 21B 1/00

1006555

Abstract : An automatic piecing assembly for a textile ring spinning machine is disclosed. The assembly comprises of a frame defined with a guide rail and a plurality of housings. Each of the plurality of housings comprises one or more midules including a yarn lifting module, a yarn inserting module, a yarn suction module and a yarn piecing module, where the modules are mounted on a common frame of the automatic piecing assembly. The plurality of modules are mounted on the common frame due to which productivity of piecing is improved.

131/2020 Sander Strothmann GmbH, a company organized and existing under the laws of Germany, (whose legal address is Britisseler Str. 2 49124 Georgsmarienhüttr, Germany) Priority: EP 19185 690.5 Dated 11-07-2019

ARTHROPODA REPELLENT COMPOSITION.

IPC: A 01N 47/16, A 01P 17/00

1006542

Abstract : The present invention refers to an Arthropoda repellent composition providing long-term protection, in particular against insects and ticks.

- 146/2020 Nokia Technologies OY, A
Company Incorporated in
Finland, (whose legal address is
Karakaari 7, Espoo 02610,
Finland) Priority : CN
PCT/CN2019/085247
Dated : 30-04-2019
- Configured Grant Operation
IPC: H 04L 1/16, 1/18
1006538
- Abstract** : Embodiments of the present disclosure relate to apparatuses, methods and computer readable storage media for configured grant operation. The first apparatus comprises at least one processor; and at least one memory including computer program codes; the at least one memory and the computer program codes are configured to, with the at least one processor, cause the device at least to transmit a transport block of a Hybrid Automatic Repeat Request process on preconfigured resources for an uplink transmission to a second apparatus while starting a first timer and a second timer for the Hybrid Automatic Repeat Request process, wherein the first timer indicates a time period during which the transport block is able to be retransmitted on the preconfigured resources, and wherein the second timer is configured to expire before the first timer; monitor a response associated with the transport block from the second apparatus; and in response to the second timer expiring before receiving the response and before expiry of the first timer, retransmit the transport block while restarting the second timer. In this way, a new solution for the HARQ process selection is achieved to avoid the overwriting of the Protocol Data Unit (PDU). Meanwhile, two different timers may run at the same time when the transmission of a transport block is initiated, to control the HARQ processes on the configured grant resources.
- 160/2020 FAST RETAILING CO.,
LTD., A company duly
incorporated under the laws of
Japan, (whose legal address is
717-1, Sayama, Yamaguchi-
shi, Yamaguchi 7540894,
Japan) Priority: JP 2019-
098857 Dated : 27-05-2019
- AN OUTER WEAR WITH COLD PROTECTION REGIONS
AND PARTS THEREOF.
IPC: A 41D 3/00, 31/02
1006528
- Abstract** : The present invention provides an outerwear that offers a slender silhouette to a wearer with a light weight and a high degree of protection against cold. The outerwear includes a front, a back, sleeve parts, and side parts. The front, the back, the sleeve parts, and the side parts are provided with cold protection regions filled with a cold-proof material, the front includes a down region filled with down in the upper part of the front, the back includes a down region filled with down in the upper part of the back, the sleeve part includes a cotton region filled with a cotton material over the sleeve part includes a cotton region filled with a cotton material over the sleeve part, and the side part includes a cotton region filled with a cotton material in the lower part of the side part.
- 169/2020 Huntsman Advanced Materials
(Switzerland) GmbH., a Swiss
company, (whose legal
address is Klybeckstrasse 200,
4057 Basel, Switzerland)
Priority : EP 19188794.2
Dated : 29-07-2019
- FIBRE REACTIVE DYES, THEIR PREPARATION AND
THEIR USE.
IPC: D 01 G 1910
1006532
- Abstract** : A reactive dye of formula R1ZO 1 N R2 N MO methoxy of sulfo, n is the number 3; Y is vinyl or a radical-CH2-CH2-U and U is Cl or-OSO3H, is suitable for dyeing and printing cellulosic or amide-group-containing fiber materials.

- 175/2020 Graf+Cie AG, A company incorporated under the laws of Switzerland, (whose legal address is Bildaustasse 6, CH-8640 Rappeswil, Switzerland) and Maschinenfabrik Rieter AG, A Company incorporated under the laws of Switzerland, (whose legal address is Klosterstrasse 20, CH-8406 Winterthur, Switzerland) Priority : CH 00914/19 Dated : 17-06-2019
- CIRCULAR COMB FOR A COMBER WITH AN ADJUSTING DEVICE TO SET THE DISTANCE BETWEEN NIPPER PLATE AND COMB CLOTHING.
- IPC: D 01 G 19/10
- 1006523**
- Abstract :** The invention relates to a circular comb and to a combing head for a comber, the circular comb having a comb clothing and a circular comb axis, comprising a clothing carrier and at least one circular-comb carrier. The clothing carrier is held on the circular-comb carrier and the circular-comb carrier is fastened on a circular-comb shaft by means of connecting screws. A cover plate is attached to each end of the circular-comb carrier as seen in the direction of the circular-comb axis. An insert rail is provided between the circular-comb carrier and the circular-comb shaft. At least one adjusting device is provided between the circular-comb carrier and the insert rail in each end region of the circular-comb carrier, in order to adjust a distance between the insert rail and the circular-comb carrier.
- 179/2020 Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Wweder, (whose legal address is SE-164 83 Stockholm, Sweden Priority : EP PCT/EP2019/066720 Dated : 24-06-2019
- METHODS, APPARATUS AND MACHINE-READABLE MEDIUMS RELATED TO WIRELESS COMMUNICATION IN COMMUNICATION NETWORKS.
- IPC: H 04B 10/114, 10/116
- 1006539**
- Abstract :** Methods, apparatus and non-transitory machine-readable mediums are provided for wireless communication in communication networks enabled for wireless light communication. In one embodiment, a method is performed in a node of a communication network. The method enables data communication to be established between a first wireless device and the communication network upon a wireless Light communication, Lc, link between the first wireless device and an LC-enabled Access Point, AP, of the communication network becoming unavailable. The method comprises : identifying a second wireless device for relaying data between the first wireless device and the communication network via a first communication link between the first wireless device and the second wireless device and a second communication link between the second wireless device and an AP of the communication network associated with the second wireless device.
- 183/2020 Advance Pharmaceutical, Inc. A Corporation Incorporated in USA, (whose legal address is 895 Waverly Avenue, Holtsville, NY 11742, United States of America) Priority : US 62/860, 214 Dated : 11-06-2019 and US 62/992,459 Dated : 20-03-2020
- SUPER-OXIDE DISMUTASE SOLUBLE FIBER COMPOSITIONS.
- IPC: A 61K 31/277, 35/57
- 1006567**
- Abstract :** Provided are compositions comprising super-oxide dismutase and a soluble fiber. The compositions may additionally comprise other antioxidants, vitamins and nutrients. The compositions can be used as dietary supplements and for improving health and well-being.
- 197/2020 THE POPULATION COUNCIL, INC. a company duly organized and existing under the laws of USA, (whose legal address is One Dag Hammarskjold Plaza, New York, NY, 10017, United States of America) Priority : US 16/448, 399 Dated : 21-06-2019
- SYSTEM FOR PROVIDING BIRTH CONTROL.
- IPC: A 61K 31/567, 9/00
- 1006568**
- Abstract :** The present disclosure relates to a vaginal system that prevents pregnancy comprised of segesterone acetate and ethinyl estradiol and is configured for thirteen 28-day product-use cycles.

- 202/2020 Telefonaktiebolaget LM
Ericsson (Publ), a company
organized and existing under
the laws of Sweden, (whose
legal address is SE-164 83
Stockholm, Sweden)
Priority : EP PCT/EP 2019/
068918
Dated : 12-07-2019
- WAKE-UP PACKET BASED COORDINATION OF
BROADCASTING DEVICE RESPONSES.
IPC: H 04W 52/0219, 52/0229
1006569
Abstract : A wireless-local area network access point sends at least one wake-up packet for activating broadcasting devices in vicinity of the wireless-local area network access point. In response to the at least one wake-up packet, the wireless-local area network access point receives responses from the broadcasting devices. Each response comprises an identifier of the broadcasting device sending the response. The at least one wake-up packet coordinates the sending of the responses by the broadcasting devices with respect to each other.
- 204/2020 The Trustees for the time
being of the KMN
FULFILMENT TRUST, a
company organized and
existing under the laws of
South Africa, (whose legal
address is 8 Kestrel Street,
Ebotse Golf Estate, Rynfield,
150) Benoni South Africa)
Priority : ZA 2019/04106
Dated : 25-06-2019 and ZA
2019/06297
Dated : 25-06-2019
- AN ELECTRIC POWER GENERATOR COMPRISING TWO
STATORS AND A ROTOR
IPC: H 02K 16/04, 21/12
1006518
Abstract : An electric power generator comprises a rotor and a plurality of stators arranged coaxially and concentrically about a central axis. There is an inner stator provided radially inwardly of the rotor separated by an inner airgap and an outer stator provided radially outwardly of the rotor separated by an outer airgap. The rotor includes a plurality of magnetic pole structures configured to provide or generate a magnetic field having a plurality of magnetic poles. The rotor is not of uniform cross-sectional thickness, wherein : an inner surface of the rotor bulges inwardly at the pole structures, the inner airgap being non-uniform as it is radially shorter at the pole structures and longer in between the pole structures; and an outer surface of the rotor bulges outwardly at the pole structures, the outer airgap being non-uniform as it is radially shorter at the pole structures and longer in between the pole structures.
- 261/2020 JDC CORPORATION, a
corporation organized and
existing under the laws of
Japan, (whose legal address is
4-9-9 Akasaka, Minatoku,
Tokyo 107-8466, Japan)
Priority : US 62/896, 020
Dated : 05-09-2019
- METHOD FOR PRODUCING LAYERED DOUBLE
HYDROXIDE.
IPC: D 06M 11/36
1006519
Abstract : A layered double hydroxide production method for producing a layered double hydroxide by mixing an acidic solution and an alkaline solution includes: a washing step of washing the layered double hydroxide before a compression step of compressing the layered double hydroxide; and after the washing step, a drying step of drying the layered double hydroxide so that the layered double hydroxide has a water content of from 5% to 30%.
- 226/2021 Telefonaktiebolaget LM
Ericsson (publ), a company
organized and existing under
the laws of Sweden, (whose
legal address is SE-164 83
Stockholm, Sweden) Priority :
EP PCT/EP2019/075455
Dated : 23-09-2019 and US
- USE OF WAKE-UP RECEIVER WITH BLUETOOTH LOW
ENERGY.
IPC: H 04W 52/02
1006521
Abstract : A method of establishing connection between a first node in a wireless network and a second node in said wireless network, wherein each of said first and second nodes comprise a

62/824, 745
Date : 27-03-2019

primary radio receiver and a wake up receiver, each of said nodes comprising a Radio Frequency, RF, switch, arranged to connect one of said primary or secondary radios to a radio antenna, said method comprising the steps of transmitting, by said first node, to a wake-up receiver of a second radio node, a wake-up signal that indicates a frequency channel on which the second radio node is to transmit a response, receiving, by said first node, in response to transmitting said wake-up signal, response from said second radio node on the frequency channel indicated, and establishing, by said first node, a connection between said first and second nodes in order to transfer data between said first and second nodes. The present disclosure also relates to corresponding mesh nodes and a computer program product.

267/2021 Aspire to Innovate (a2i)
Programme, A Bangladeshi
entity under the laws of
Bangladesh, (whose legal
address is ICT Tower,
Agargaon, Sher-e-Bangla
Nagar, Dhaka-1215,
Bangladesh)

OFF-GRID DIGITAL CLASSROOM DEVICE

IPC: G 06F 3/14

1006543

Abstract : The invention relates to an off-grid digital classroom device, which comprises a battery-powered LED/LCD display with a remote control that uses solar energy via a solar panel and is connected to the single board computer by an HDMI connection, and the TV's power cord is connected to a DC-to-DC converter; a single board computer, which is a high-quality computer that runs on a 12-volt DC power source, the computer is controlled via a keyboard, a mouse; two 75-watt solar panels mounted on a high location with the aid of a frame; the solar panel is directly linked to the solar charge controller; a DC-to-DC converter is used for power distribution in this system, and all equipment such as the TV, sound system, and computer get power from this converter; a battery that is always charged during the day; when the battery is charging, the charge indicator light becomes green, and charging text appears on the LCD display; a theft protector with a theft protection mounting mechanism; a bracket, a cabinet, lock power channel, and an internet modem; due to the extreme low power consumption, the system can conduct lessons for 3 hours each day for at least 7 days after being completely charged. This device would outlast traditional classroom projectors by at least three times, because the entire device is created and manufactured locally, maintenance and replacement may be handled by the inventors themselves.

268/2021 Aspire to Innovate (a2i)
Programme, Nationality: A
Bangladeshi Entity under the
laws of Bangladesh, (whose
legal address is ICT Tower,
Agargaon, Sher-e-Bangla
Nagar, Dhaka-1215,
Bangladesh)

ELECTROMECHANICAL EXTRUDER BASED THREE DIMENSIONAL (3D) PRINTER.

IPC: H 01L 24/00

1006547

Abstract : The invention relates to a three-dimensional printer that uses Fused Deposition Modeling and Fused Filament Fabrication technology and is based on an electromechanical extruder system. The invention's unique aspect is the use of its own byproducts to make other similar printers and artificial limbs that can be easily attached to a human body. After taking body measurements for the disabled person, an artificial limb can be developed in a short amount of time and at a low cost. It may be used to build simple and inexpensive models as well as lightweight industrial manufacturing. The printer uses its own material as raw materials, making it relatively inexpensive to produce and accessible to the public. Using 36 different types of raw materials, this machine can create prototypes for any product.

- 269/2021 Aspire to Innovate (a2i)
Programme, Nationality: A
Bangladeshi Entity under the
laws of Bangladesh, (whose
legal address is ICT Tower,
Agargaon, Sher-e-Bangla
Nagar, Dhaka-1215,
Bangladesh)
- PORTABLE SOIL TESTING PROBE
IPC: G 01N 1/00
1006556
- Abstract :** The invention relates to a portable soil testing probe can be sold under the brand name “Krishi Bondhu” . It is a mobile technology that can be operated by a smartphone app and may be used in several farming fields at the same time, making it cost effective. Farmers may also get readings through short messaging system using the mobile app, which is linked with the Soil Resource Development Institute (SRDI) (SMS). The measurements are obtained using the device’s specific sensors. The gadget is batterypowered and features a data backup feature. The gadget may also be reset for new usage in the same soil or in other fields in the future. With the assistance of the government and develoment groups, the product will be manufactured and sold. As a result, it has a lofty goal of not only bolstering agriculture’s economic contribution, but also assisting in the construction of a more inclusive society by employing marginalized people. Farmers might use this portable gadget to keep track of their farmland on a regular basis. This would allow them to avoid using too little or too much fertilizer or water on the land. The efficiency of soil production will improve because of this. The SRDI’s readings can potentially be utilized in the future for investigations in specific regions. In general, this would benefit Bangladesh’s agriculture industry.
- 270/2021 Aspire to Innovate (a2i)
Programme, Nationality: A
Bangladeshi Entity under the
laws of Bangladesh, (whose
legal address is ICT Tower,
Agargaon, Sher-e-Bangla
Nagar, Dhaka-1215,
Bangladesh)
- DIGITAL CNC MACHINE CONVERTER FROM
CONVENTIONAL LATHE MACHINE.
IPC: G 05B 19/00
1006548
- Abstract :** The invention discloses a process of digital CNC (Computerized Numerical Control) lathe machine from conventional lathe machine which will be highly efficient because no people will be required to spin the motor, and the automated system will boost overall output. This technique was being created with the primary goal of turning a conventional lathe into a digital/automated lathe, therefore enhancing the manufacturing process’ productivity and precision. It does not necessitate the purchase of a new lathe machine and may be integrated into an existing lathe machine. A computer numerical control (CNC) panel is required for the operation, primarily to send instructions to a central processing unit and the final coded computer file is transferred to the CNC machine through the USB interface, and the machine will then create the parts it was programmed to design automatically. Because of the accuracy of this process, this digital gadget can assist the industrial sector in mass-producing items in large quantities while ensuring that each product looks precisely the same. Because the computer controls the machine to produce difficult cuts, the utility model has a unique and sensible structural design that allows for complex machining with less experience.

- 274/2021 Aspire to Innovate (a2i) Programme, Nationality: A Bangladeshi Entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)
- THEFT PROTECTION OF ELECTRIC TRANSFORMER AND REALTIME MONITORING SYSTEM.
- IPC: B 60R 25/30
- 1006557**
- Abstract :** The present invention disclosed a theft protection of electric transformer and real time monitoring system which is a GSM and GPS based solution that is being included online monitoring of each distribution transformer like as overload setting, present voltage status, high temperature Shutdown, present current, fuse burn notification, remote shutdown, present load status, anti-theft, and load shedding management etc. With the usage of System Monitoring & Control Software at the Dhaka Power Distribution Company Ltd. (DPDC) or Bangladesh Rural Electrification Board (REB), the above data is available in real time, allowing for the most efficient use of transformers. For example, the system will detect overloads and avoid transformer failures, extending the life of the transformers.
- 275/2021 Aspire to Innovate (a2i) Programme, Nationality: A Bangladeshi Entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)
- TUBULAR PROCESS OF MAKING FUEL FROM PLASTIC.
- IPC: C 12P 7/10
- 1006558**
- Abstract :** The invention of the “Tubular Process of Making Fuel from Plastic and Polythene” is intended to suit the needs of local fuel consumption. Its ideals of being able to transport the product to remote areas and producing locally allow for low-cost fuel to be obtained. This also aids in the reduction of environmentally hazardous non biodegradable plastic. Its primary mechanism is the tubular process, which uses plastic and polythene to generate crude oil and methane. The methane is extracted and can be used in the next phase of the process to burn the crude oil. When crude oil is heated, it produces gasoline, diesel, and kerosene. Carbon coal is given out in the first chamber of the operation. These coals can be used as ink for printers directly.
- 276/2021 Aspire to Innovate (a2i) Programme, A Bangladeshi entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)
- TEMPERATURE CONTROLLED MOBILE CARRIER OF NEWBORN HUMAN BABY.
- IPC: A 24F 40/57, B 24G 1/50, G 05D 23/00
- 1006559**
- Abstract :** A temperature controlled mobile carrier of newborn human baby is provided. The mobile carrier includes an infant bed which is being designed to assure complete comfort of the human baby. The infant bed is curled all the way around so that the newborn cannot move about freely and is not bothered by frequent movement during transit. The mobile carrier also includes a transparent shade that shields the newborn from direct exposure to dust and the outside environment and is used to cover an infant bed and it also aids in maintaining the compartment’s temperature, a handle that is meant to transfer all of the weight of the newborn and the mobile carrier evenly so that the person wearing it may carry it comfortably, a heat sink that is placed directly beneath the infant bed, a fan and air flow path that is placed so that air can enter the mobile carrier and be quickly passed on to the chamber, a base housing that serves as a safety layer for the infant bed and the heat sink, and a fan and air flow path that is placed so that air can enter the mobile carrier and be quickly passed on to the chamber.

The heat sink, the fan, and electronic gadgets, all of which are kept out of reach of the newborn baby by the base housing for maximum safety. The mobile carrier is powered by a solar-powered battery that allows it to function for two hours when completely charged, and the mechanism also allows for quick recharge when needed during transit. This allows the mobile carrier to operate in remote regions where power outages are common, as well as provide the incubator with continual electricity and charging.

277/2021 Aspire to Innovate (a2i) Programme, A Bangladeshi entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)

DISTRIBUTED RESPIRATORY TREATMENT DEVICE THROUGH NEBULIZER

IPC: A 61M 16/00, 16/06, A 62M 16/00

1006560

Abstract : A nebulization-based distributed respiratory treatment device is given, which includes a collection of air process that describes how air is collected and compressed, a reservation process that describes how the collected air is compressed in an air tank, a hydrophobic filter which is a stage in the water filtration process that removes conserved air, a high bacteria filter that filters filtered air before sending it which filters the air again to remove bacteria, multiple masks through outlet joints are being represented when the filtered air is then passed on it and used a distributed pipe and each mask can be used when required, a display of a distributed respiratory treatment device that uses filtered air to nebulize it to the masks for patient usage. It has a pressure meter and a controlled output of air pressure and volume for infant and adult use on display board. This system is designed to filter natural air, store it, and serve several patients at the same time via a distributed method. Because the input is natural air, there is no expense, which helps to offset the cost of purchasing oxygen cylinders for nebulization in hospitals. In the first step of air filtration, power is required. As a result, once the tank is filled, it may also be used during power outages. This is especially essential for rural hospitals. The air filtering is done in many phases to guarantee that the patients are receiving clean air. A distributed approach allows the hospital to treat several patients at once while keeping expenses down, As a result, patients will not have to wait for their turn, and hospitals will be able to treat more people at once.

278/2021 Aspire to Innovate (a2i) Programme, Nationality: A Bangladeshi Entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)

COOKING GAS STOVE SAFETY DEVICE.

IPC: F 24B 1/00, 1/16

1006544

Abstract : The invention is a cooking gas stove safety device and system. This system is designed to be used with a gas burner, such as a gas stove or gas hob. It can detect fire and flammable gas in the immediate vicinity. The temperature/heat and the amount of flammable gas can be adjusted to a level that will alert the user that the situation is dangerous. A buzzer alerts the user when the temperature/heat and flammable gas levels surpass the specified levels. In addition, the Wi-Fi and GSM models installed send an SMS to the user informing them of the situation. The gadget also responds to the circumstance by activating its main valve, which prevents any more gas from entering the stove from the main gas supply. Even if the user is not there, this helps to avoid any potential risk. The novelty of this invention is that it cannot only detect and alert the user, but also respond to the situation and take prompt action to function as a comprehensive gas safety device. Those improvements are critical in areas like Bangladesh, where a minor fire may quickly escalate into a major disaster owing to the densely packed nature of the structures. As a result, rather than curing a fire or dangerous gas, prevention is required. This innovation recognizes the situation and responds appropriately.

- 279/2021 Aspire to Innovate (a2i) DIGITAL CANE FOR VISUALLY IMPAIRED PERSON.
 Programme, Nationality: A
 Bangladeshi Entity under the
 laws of Bangladesh, (whose
 legal address is ICT Tower,
 Agargaon, Sher-e-Bangla
 Nagar, Dhaka-1215,
 Bangladesh) *IPC: A 61B 5/117, A 61G 5/02*
1006545
Abstract : The invention discloses a digital cane for visually impaired person. The digital cane comprises a speaker, a vibrator, an ultrasonic transmission sensor, battery, a passive infrared sensor (PIR), Infrared photo sensor, optical sensor, GPS positioning module, voice clock, alarm system, SD card, camera, motion detector system and other related components. When confronted with an obstacle or a possible risk, a sound emitting device, such as a speaker, gives verbal notifications, the vibrator performs a similar function to the speaker and aids in the haptic alerting function of the device, vibration is used to respond to all sensing and alarms and have a variety of patterns and are spaced at regular intervals, sound signals are used to respond to all sensing and warnings and have a variety of patterns and amplitudes, an ultrasonic sensor-based obstacle detection system with haptic feedback, for sensing depth and detecting uneven surfaces, an optical sensor placed in the down portion of the stick is employed, this can may be directed by voice and vibration and can be led by GPS positioning module and real-time facial recognition through the in-system camera and comparison to images stored in the internal memory (SD Card), motion detectors are programmed to recognize the presence of an unexpected visitor in the house, along with the controller, one voice clock with Alarm is installed, and a native language package can be added in SD card to confiture the click.
- 301/2021 JVC Kenwood Corporation, MOVING PICTURE CODING DEVICE, MOVING PICTURE
 Nationality: a corporation CODING METHOD, MOVING PICTURE CODING
 incorporated under the laws of PROGRAM, MOVING PICTURE DECODING
 Japan, (whose legal address is DEVICE, MOVING PICTURE DECODING
 3-12, Moriyacho, Kanagawa- METHOD, AND MOVING PICTURE
 ku, Yokohamashi, Kanagawa DECODING PROGRAM
 221-0022, Japan) Priority : JP
 JP2019042577 *IPC: H 04N 19/52*
 Dated : 08-03-2019 **1006533**
Abstract : There is provided a technique that includes a merging candidate list constructor that constructs a merging candidate list including spatial merging candidates, and a triangle merging candidate selector that selects, from the merging candidate list, a first triangle merging candidate that is uni-prediction and a second triangle merging candidate that is uni-prediction, in which the triangle merging candidate selceter derives a uni-prediction motion information candidate having a same priority in the first triangle merging candidate and the second triangle merging candidate.

325/2021 RevoluGen Limited, UK
nationality, (whose legal
address is Unit 4, Rossington
Place, Graphite Way,
Hadfield, Derbyshire, SK 13
1QG, United Kingdom)
Priority : GB 1902171.6
Dated: 15-02-2019

PURIFICATION METHOD

IPC: C 12N 15/10

1006529

Abstract : A filter for isolating nucleic acid from a sample and methods of isolating and purifying nucleic acid from a sample is described. The filter has a first porous region and a second porous region. The first porous region is arranged to be contacted in use by the sample before the second porous region, and the first porous region has nominal pore size that is greater than the second porous region.

363/2021 Hishab Limited. A company
incorporated under the laws
Bangladesh, (whose legal
address is Road 96, House 4A,
Gulshan 2, Dhaka, 1212,
Dhaka, Bangladesh)

A METHOD FOR TRANSMITTING USER SPECIFIC DATA
TO DEVICES.

IPC: H 04M 11/06

1006535

Abstract : A system and method of delivering content services to the user based on the user requirement is provided. The method comprises receiving a user request over a network. The method further comprises processing the user request by a cross-modal voice interface engine and planning and delivering of the content services to the user based on the user request parameters calculated by the cross-modal voice interface engine. Hence, by the above system and method of data transmission, the system is made independent of the type of the personal technology devices using a telecommunication network and the user-specific data is displayed over a display device as per the requirements of the user.

ALAYA KHATUN
Deputy Registrar.