



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

*For Information on the following please see our website [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

*INID (Internationally agreed Numbers for the Identification of Data)*

## GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

### **(i) FILING -**

This is the act of making an application. When the application is first filed certain details are published.

### **(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -**

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

### **(iii) ACCEPTANCE –**

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

### **(iv) OPPOSITION –**

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

### **(v) GRANTING –**

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

### **(vi) CERTIFICATION**

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

## How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want ( eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

## How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018**

All patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

**NOTE:** Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234.

A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

**NOTE:** When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

## Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

## Using the Indices

### 1. To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete applications filed - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>C) Applications open to public inspection - Name Index</b>		<b>D) Applications accepted - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>E) Patents Certified – Name Index</b>	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
Inventors <u>names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.



## 2. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

## 3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

## 'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

### (10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

### (20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

### (30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

### (40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.
- (45) Date of publication by printing or similar process of a document, on which grant or certification has taken place on or before the said date.

**(50) Technical Information**

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

**(60) Reference(s) to other legally related domestic document(s)**

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

**(70) Identification of parties concerned with the document**

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

**(80) Identification of data related to International Conventions other than the Paris Convention**

- (86) PCT Application Number
- (87) PCT Publication Number

**NOTE**

- (1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

**AU-A** = Pre-examination

**AU-B** = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Titan Hoarding Systems Australia Pty Ltd v Lomax Group Pty Ltd [2021] APO 19***

Patent Application: 2016414392

Title: A structure support arrangement

Applicant: Lomax Group Pty Ltd

Opponent: Titan Hoarding Systems Australia Pty Ltd

Delegate: Dr N. R. Madsen

Decision Date: 27 April 2021

Hearing Date: 8 March 2021 via teleconference

Catchwords: **PATENTS** – a support arrangement for supporting hoarding panels – section 59 – opposition to grant of a patent – grounds of clarity, support, novelty, inventive step – opposition successful – claims not novel, not inventive, and not supported – ground of support raised by Delegate under section 60(3) – opportunity to amend – costs awarded

Representation: Counsel for the opponent: Ben Fitzpatrick

Patent attorney for the applicant: Baxter Patent Attorneys Pty Ltd

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 20 Apr 2021 .

(71) 3 AIM IP Pty Ltd (21) 2021901125 (22) 16.04.2021 (54) Physiological parameter sensing systems and methods	(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2021901179 (22) 21.04.2021 (54) Mineral-Based Media and Method of Production	(71) BAWDEN, L. (21) 2021901128 (22) 16.04.2021 (54) SYSTEM FOR SHARING PASSWORD AND METHOD THEREFOR
(71) A.G CRAMOND & L.D CRAMOND (21) 2021901135 (22) 18.04.2021 (54) Yoga easy knees	(71) ARCACTIVE LIMITED (21) 2021901209 (22) 23.04.2021 (54) LEAD-ACID BATTERY	(71) Beragiti Limited (21) 2021901205 (22) 23.04.2021 (54) Manufacturing method and system
(71) Agriculture Victoria Services Pty Ltd (21) 2021901148 (22) 19.04.2021 (54) Improved methods for the production of plants	(71) Artrya Pty Ltd (21) 2021901188 (22) 21.04.2021 (54) A SYSTEM FOR AND METHOD OF IDENTIFYING CORONARY ARTERY DISEASE	(71) Biosceptre (Aust) Pty Ltd (21) 2021901129 (22) 16.04.2021 (54) Antigen binding proteins for binding dysfunctional P2X7 receptor
(71) Alauda Aeronautics Pty Ltd (21) 2021901172 (22) 20.04.2021 (54) System infrastructure integrated with manned vertical take-off and landing aerial vehicles	<b>Auckland UniServices Limited see Garvan Institute of Medical Research</b> (21) 2021901215	(71) Bradley, M. (21) 2021901078 (22) 13.04.2021 (54) Improved Saver sub assembly
(71) Alcoa of Australia Limited (21) 2021901201 (22) 22.04.2021 (54) Method For Carbon Reduction	(71) Ausplow Pty. Ltd. (21) 2021901211 (22) 23.04.2021 (54) Fertiliser boot and shield	(71) Breville Pty Limited (21) 2021901163 (22) 20.04.2021 (54) Appliance to heat a liquid
(71) Alpha Vet Tech Holdings Pty Ltd (21) 2021901107 (22) 15.04.2021 (54) ANIMAL MONITORING DEVICE	(71) Australian Agricultural Equipment Pty Ltd (21) 2021901216 (22) 23.04.2021 (54) A Cotton Module Builder and Methods for Providing a Cotton Module	(71) Breville USA, Inc. (21) 2021901207 (22) 23.04.2021 (54) An electrical appliance
(71) Animal Ethics Pty Ltd (21) 2021901199 (22) 22.04.2021 (54) Topical anaesthetic composition having improved vasoconstrictor stability	<b>Australian National University see University of Oxford</b> (21) 2021901118	(71) BricksNData Pty Ltd (21) 2021901204 (22) 23.04.2021 (54) System and method for estimating asset value at a point in time
(71) Apex Biotech Research Pty Ltd (21) 2021901178 (22) 21.04.2021 (54) FORMULATIONS COMPRISING BOTANICAL EXTRACTS	(71) BAE Systems Australia Limited (21) 2021901112 (22) 16.04.2021 (54) Rendering motion of objects in virtual environments	(71) Burger Co Pty Ltd (21) 2021901157 (22) 20.04.2021 (54) Method of food preparation and preservation
	(71) BAE Systems Australia Limited (21) 2021901113 (22) 16.04.2021 (54) Rendering objects and motion of objects in virtual environments	(71) Burns, D. (21) 2021901000 (22) 06.04.2021 (54) Collocated bicycle light and bell assembly

Provisional Applications Filed - Name Index cont'd

(71) Butler, c. (21) 2021901091 (22) 14.04.2021 (54) myspot app	(sovereign, personal, professional) via shared systematisations for growing, organising and securing data related to bodies of knowledge including advanced analysis, AI processing and block chain transactions.	(71) EMvision Medical Devices Ltd (21) 2021901079 (22) 13.04.2021 (54) Apparatus and process for medical sensing
(71) CARP Pharmaceuticals Pty Ltd (21) 2021901067 (22) 13.04.2021 (54) Therapeutic agents and uses therefor	(71) D.R. Fin.s. Pty Ltd (21) 2021901087 (22) 14.04.2021 (54) Fin	(71) Emyria (21) 2021901086 (22) 14.04.2021 (54) Use of Cannabidiol for the Treatment of Psychological Distress
(71) CBN Energy Pty Ltd (21) 2021901116 (22) 16.04.2021 (54) DECARBONISATION SYSTEM AND PROCESS	(71) D & D Group Pty Ltd (21) 2021901186 (22) 21.04.2021 (54) Improvements to Hinges or the like	(71) Enviromesh Pty Limited (21) 2021901070 (22) 13.04.2021 (54) 100% Recycled Plastic reinforcement for concrete
(71) CCL Secure Pty Ltd (21) 2021901109 (22) 15.04.2021 (54) A printed security feature	(71) Daita Pty Ltd (21) 2021901069 (22) 13.04.2021 (54) A SYSTEM AND METHOD FOR AUTOMATED ASSESSMENT OF STUDENT LEARNING AND UNDERSTANDING OF MATERIAL	(71) Etex Australia Pty Ltd (21) 2021901124 (22) 16.04.2021 (54) Seismic ceiling bracket/system
(71) C DUPE PTY LTD (21) 2021901202 (22) 22.04.2021 (54) BIB AND CONNECTOR THEREFOR	<b>Dimmock, M.S. see Stephen, C.C.</b> (21) 2021901200	(71) Fernandes, M. (21) 2021901059 (22) 12.04.2021 (54) Eyetag Vital Information & Tracking Device
(71) CERGE PTY LTD (21) 2021901068 (22) 13.04.2021 (54) PROXIMITY AND INTENT CENTRIC PERSONAL DATA SHARING SYSTEM	(71) Dingo HPA Pty Ltd (21) 2021901141 (22) 19.04.2021 (54) Process for forming high purity alumina	(71) FOOKS, R. (21) 2021901063 (22) 12.04.2021 (54) Thermal Bridging Skylight System
(71) COLE, M. (21) 2021901161 (22) 20.04.2021 (54) IMPROVEMENTS RELATED TO PARTICLE, INCLUDING SARS-CoV-2, DETECTION AND METHODS THEREFOR	(71) DIT AgTech Limited (21) 2021901206 (22) 23.04.2021 (54) A method of reducing methane production in a ruminant animal	(71) Frampton, N. (21) 2021901133 (22) 17.04.2021 (54) METHOD AND SYSTEM FOR MONITORING HEALTH AND/OR PERFORMANCE
(71) Collett, C.M. (21) 2021901138 (22) 19.04.2021 (54) Artificial fishing bait	(71) doski, J. (21) 2021901134 (22) 18.04.2021 (54) Doski Process	(71) Furst Electrical Services Pty Ltd (21) 2021901158 (22) 20.04.2021 (54) A Light Levelling System
(71) Coman, P. (21) 2021901168 (22) 20.04.2021 (54) A CABLE WEIGHT	(71) Doyle, B. (21) 2021901094 (22) 14.04.2021 (54) Concealable clothes aier	(71) Gangi, R. (21) 2021901155 (22) 20.04.2021 (54) Aircraft Environment Control System UV-C Disinfection System
(71) Commonwealth Scientific and Industrial Research Organisation (21) 2021901217 (22) 23.04.2021 (54) Summation Validation Method and System	(71) E & K Escott Holdings Pty Ltd (21) 2021901195 (22) 22.04.2021 (54) A METHOD FOR IMPROVED CODE GENERATION BY ARTIFICIALLY INTELLIGENT AGENTS	(71) Gangi, R. (21) 2021901190 (22) 21.04.2021 (54) Elevator/Lift button UV-C disinfection module
(71) Cripps Clark, J. (21) 2021901140 (22) 19.04.2021 (54) TickTraceE: Systems, devices & methods for accountable use & re-use of shared data including for identification, authority, welfare, health and economic participation in processes & partnerships with diverse info assets (image, video, sound, signals, text, sample data, instructions, configurations, excitation profiles, cause/origin/association investigations) and environments	(71) East, B. (21) 2021901196 (22) 22.04.2021 (54) Business Process and Transactional Automation	(71) Garvan Institute of Medical Research; Auckland UniServices Limited (21) 2021901215 (22) 23.04.2021 (54) Spatial proteomics software
	(71) Elexsys IP Pty Ltd (21) 2021901146 (22) 19.04.2021 (54) Method of controlling electrical power regulating system and inverter device thereof	(71) Gauldie, S. (21) 2021901165 (22) 20.04.2021 (54) METHOD AND SYSTEM FOR AIDING PERSONAL COLOUR SELECTION OF A TANNING COMPOSITION

Provisional Applications Filed - Name Index cont'd

(71) Gervais, M.  
(21) 2021901119 (22) 16.04.2021  
(54) Wall Composition Application Device,  
Wall Composition and Method

(71) G H Fabrications Pty Ltd  
(21) 2021901095 (22) 14.04.2021  
(54) A ventilation control system

(71) Gladman, G.  
(21) 2021901185 (22) 21.04.2021  
(54) Forward release Anchor

(71) GlassFit Australia Pty Ltd  
(21) 2021901177 (22) 21.04.2021  
(54) AN ILLUMINABLE FENCING AS-  
SEMBLY AND METHODS OF USE  
THEREOF

(71) GLOBAL TOOL GROUP PTY LTD  
(21) 2021901085 (22) 14.04.2021  
(54) ADJUSTABLE COMBINATION SET

(71) Griffin, M.  
(21) 2021901159 (22) 20.04.2021  
(54) SYSTEM AND METHOD FOR POST-  
ING IMAGES ONLINE

(71) GROUND ROVER PTY LTD  
(21) 2021901080 (22) 13.04.2021  
(54) Reforestation Robot

(71) GROUND ROVER PTY LTD  
(21) 2021901081 (22) 13.04.2021  
(54) Prospecting System

(71) GROUND ROVER PTY LTD  
(21) 2021901082 (22) 13.04.2021  
(54) Precision Rugged Vehicle

(71) GROUND ROVER PTY LTD  
(21) 2021901083 (22) 13.04.2021  
(54) Persistent Solar Electric Robot

(71) GROUND ROVER PTY LTD  
(21) 2021901151 (22) 19.04.2021  
(54) Reforestation Robot

(71) GROUND ROVER PTY LTD  
(21) 2021901152 (22) 19.04.2021  
(54) Persistent Solar Electric Robot

(71) Hanson Construction Materials Pty Ltd  
(21) 2021901194 (22) 22.04.2021  
(54) HIGH PERFORMANCE SUSTAINABLE  
CONCRETE COMPOSITIONS II

(71) Heartlab Solutions Pty Ltd  
(21) 2021901180 (22) 21.04.2021  
(54) A METHOD AND SYSTEM FOR COM-  
PUTING FRACTIONAL FLOW RE-  
SERVE (FFR) FOR A CORONARY  
ARTERY

(71) Hendry, C.  
(21) 2021901175 (22) 21.04.2021  
(54) Power Extractor

(71) Hilbert Investments Pty. Ltd.  
(21) 2021901123 (22) 16.04.2021  
(54) Reinforcing bars

HJORTFLOD, K. see TANNOS, G.  
(21) 2021901056

(71) Hunt, D.  
(21) 2021901097 (22) 14.04.2021  
(54) An enhanced password protection au-  
thentication system

(71) Hydraquatic Pty Ltd  
(21) 2021901058 (22) 12.04.2021  
(54) Heating System

(71) ICEBLOQ TECHNOLOGY PTY LTD  
(21) 2021901110 (22) 15.04.2021  
(54) IMPROVEMENTS TO IMMUTABLE  
AND VERIFIABLE PROCESSING OF  
DATA EXCHANGES

(71) Illinois Tool Works Inc.  
(21) 2021901192 (22) 22.04.2021  
(54) Construction or fabrication of an as-  
sembly comprising a joist or rafter

(71) Jafarzadeh, M.  
(21) 2021901117 (22) 16.04.2021  
(54) An aquatic shoe

(71) Jindex Pty Limited  
(21) 2021901106 (22) 15.04.2021  
(54) A nozzle valve

(71) Johnston, D.  
(21) 2021901127 (22) 16.04.2021  
(54) Product Dispensing System

(71) Karim, A.  
(21) 2021901183 (22) 21.04.2021  
(54) Integrated Solar drying and thermal  
storage system for efficient drying of  
agricultural products

(71) Kids Ride Shotgun Limited  
(21) 2021901160 (22) 20.04.2021  
(54) BICYCLE SEATING SYSTEM AND  
COMPONENTS THEREOF

(71) KINSHIP GLOBAL PTY LTD  
(21) 2021901103 (22) 14.04.2021  
(54) A CULTURALLY APPROPRIATE AB-  
ORIGINAL AND INDIGENOUS KIN-  
SHIP HOUSE

**Knight, R. see Knight Outdoors**  
(21) 2021901093

(71) Knight Outdoors; Knight, R.  
(21) 2021901093 (22) 14.04.2021  
(54) A privacy and sanitary shelter

(71) Last Myle Limited  
(21) 2021901150 (22) 19.04.2021  
(54) AN IMPROVED DELIVERY SYSTEM  
AND COMPONENTS THEREFOR

(71) Latitude Health Technologies Pty Lim-  
ited  
(21) 2021901077 (22) 13.04.2021  
(54) A METHOD, SYSTEM AND PORT-  
ABLE DEVICE FOR ENABLING RE-  
PORTING OF USER LOCATIONS

(71) Lee, W.  
(21) 2021901198 (22) 22.04.2021  
(54) Hypodermic Delivery of Medicaments

**Leibniz Institute for Plant Biochemistry**  
**see University of Oxford**  
(21) 2021901118

(71) Leisk, J.  
(21) 2021901120 (22) 16.04.2021  
(54) Enzymatic deficiency disorder treat-  
ments

(71) LIQUIM PTY LTD  
(21) 2021901101 (22) 14.04.2021  
(54) COMPOSITION FOR PROPHYLAXIS  
AGAINST PATHOGENS AND METH-  
OD OF USE

(71) LIQUIM PTY LTD  
(21) 2021901102 (22) 14.04.2021  
(54) DUAL MODE DISPENSER AND  
METHOD OF USE

(71) Macquarie University  
(21) 2021901193 (22) 22.04.2021  
(54) Modified polypeptides and uses thereof

Provisional Applications Filed - Name Index cont'd

(71) Madad Pty Ltd  
(21) 2021901098 (22) 14.04.2021  
(54) A test method for assessing spinal and skeletal alignment

(71) Madad Pty Ltd  
(21) 2021901099 (22) 14.04.2021  
(54) A mattress test manikin-lateral position

(71) Madad Pty Ltd  
(21) 2021901162 (22) 20.04.2021  
(54) Hinge system with adjustable resistance

(71) MATERIALISED PTY LTD  
(21) 2021901092 (22) 14.04.2021  
(54) FABRIC MODULE FOR HOSPITAL CUBICLE CURTAINS

(71) Medlab IP Pty Ltd  
(21) 2021901053 (22) 12.04.2021  
(54) Compositions

(71) Mesoblast International Sarl  
(21) 2021901214 (22) 23.04.2021  
(54) Method for treating acute respiratory distress syndrome (ARDS) using mesenchymal lineage precursor or stem cells

(71) Miles, S.  
(21) 2021901064 (22) 12.04.2021  
(54) WORK TABLE

(71) Monash University; The Walter and Eliza Hall Institute of Medical Research  
(21) 2021901142 (22) 19.04.2021  
(54) Immunosuppressive variant CTLA4 proteins

(71) Monash University  
(21) 2021901210 (22) 23.04.2021  
(54) Synthetic training data generation

(71) Munro, M.  
(21) 2021901054 (22) 12.04.2021  
(54) Hydraulic Push Bar Designed for stabilising machines

(71) Murphy, T.  
(21) 2021901167 (22) 20.04.2021  
(54) Swing

(71) Mystic Trading Company Pty Ltd  
(21) 2021901104 (22) 15.04.2021  
(54) Modulation of plant growth and development

NewSouth Innovations Pty Limited see The University of Adelaide  
(21) 2021901139

(71) NOISEWORKS TECHNOLOGY PTY LTD  
(21) 2021901221 (22) 25.04.2021  
(54) ONLINE DATA PROCESSING METHOD

(71) Obaid, L.  
(21) 2021901191 (22) 21.04.2021  
(54) TRE3K BOARD

(71) Offsite Engineering Solutions Pty Ltd  
(21) 2021901136 (22) 19.04.2021  
(54) Modular Building Non-Habitable

(71) Omni Shutter Systems Pty Ltd  
(21) 2021901062 (22) 12.04.2021  
(54) System for Covering an Opening in a Building

(71) Orbinox Pty Ltd (T/A SFI Aust)  
(21) 2021901072 (22) 13.04.2021  
(54) COLLAPSIBLE ROOF ASSEMBLY

(71) Orica Digital Solutions  
(21) 2021901147 (22) 19.04.2021  
(54) Fragmentation georeferencing

(71) Orr Connect Pty Ltd  
(21) 2021901096 (22) 14.04.2021  
(54) A Water Pipe Assembly

Pact Renewables Pty Ltd see Arakel, A.  
(21) 2021901179

(71) Palmaya Pty Ltd  
(21) 2021901174 (22) 21.04.2021  
(54) Detoxification And Treatment Of Addiction

(71) PASTRO-CUSTOM AG Pty Ltd  
(21) 2021901122 (22) 16.04.2021  
(54) IMPROVED AGRICULTURAL FAN SPRAYERS

(71) pelling, m.  
(21) 2021901105 (22) 15.04.2021  
(54) Improvements in Button Batteries

(71) Phelan, R.  
(21) 2021901121 (22) 16.04.2021  
(54) RAILWAY ACCESS PLATFORM

(71) Philip Holland  
(21) 2021901153 (22) 19.04.2021  
(54) Funeral bier

(71) Playa One Pty Ltd  
(21) 2021901115 (22) 16.04.2021  
(54) A Method For The Preparation Of Alumina

(71) Q L Spacer Blocks Pty Ltd  
(21) 2021901065 (22) 12.04.2021  
(54) A surgical device

(71) Quenda Ecologics Pty Ltd  
(21) 2021901203 (22) 23.04.2021  
(54) Bioturbation rover

(71) QUILL & QUAVER ASSOCIATES PTY. LTD.  
(21) 2021901171 (22) 20.04.2021  
(54) SYSTEM AND METHOD FOR PERFORMANCE IN A VIRTUAL REALITY ENVIRONMENT

(71) Relf, P.  
(21) 2021901131 (22) 16.04.2021  
(54) Thermal Reductive Tarpaulin

(71) ResMed Pty Ltd  
(21) 2021901149 (22) 19.04.2021  
(54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) Rhino Rack Australia Pty Limited  
(21) 2021901181 (22) 21.04.2021  
(54) Means of forming T-joint between extruded elements

(71) Rhino Rack Australia Pty Limited  
(21) 2021901182 (22) 21.04.2021  
(54) Cargo Carrier Leg and Attachment Means

(71) Russell, J.  
(21) 2021901189 (22) 21.04.2021  
(54) Fibre Bragg Grating MIDI controller for stringed instruments

(71) Sabeti, S.  
(21) 2021901170 (22) 20.04.2021  
(54) CUSHIONING PAD

(71) Sand Ark Australia Pty Ltd  
(21) 2021901166 (22) 20.04.2021  
(54) Desert Sand Beneficiation Process for Cement Raw Material Feedstock

Provisional Applications Filed - Name Index cont'd

(71) Seaman, B.  
(21) 2021901066 (22) 12.04.2021  
(54) Computer implemented method and system for managing delivery of items

(71) Sleeping Duck Pty Ltd  
(21) 2021901076 (22) 13.04.2021  
(54) MODULAR BED BASE

(71) Stephen, C.C.; Dimmock, M.S.  
(21) 2021901200 (22) 22.04.2021  
(54) Hydrogen transportation and storage system

(71) STM Management Pty Ltd  
(21) 2021901154 (22) 20.04.2021  
(54) A BAG DEFINING AN INTERIOR FOR RECEIVING A DEVICE

(71) Sung, J.  
(21) 2021901130 (22) 16.04.2021  
(54) HMD Interface

(71) SYNERGETICS PTY LTD  
(21) 2021901084 (22) 13.04.2021  
(54) PREDICTION OF ATMOSPHERIC AND FLYING CONDITIONS FOR AIRCRAFT

(71) TANNOS, G.; HJORTFLOD, K.  
(21) 2021901056 (22) 12.04.2021  
(54) Method and Apparatus for Remotely Stopping A Gutter Outlet

(71) Taylor, A.  
(21) 2021901074 (22) 13.04.2021  
(54) A Wall Panel

(71) The Council of the Queensland Institute of Medical Research  
(21) 2021901169 (22) 20.04.2021  
(54) NOVEL COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTIONS

(71) The Dynamic Engineering Solution Pty Ltd  
(21) 2021901055 (22) 12.04.2021  
(54) HYDRAULIC DAMPER

(71) The Dynamic Engineering Solution Pty Ltd  
(21) 2021901088 (22) 14.04.2021  
(54) FUEL DELIVERY SYSTEM

(71) The Dynamic Engineering Solution Pty Ltd  
(21) 2021901089 (22) 14.04.2021  
(54) FUEL DELIVERY VEHICLE

(71) THE SERENITY NOW COMPANY PTY LTD  
(21) 2021901111 (22) 15.04.2021  
(54) BICYCLE SADDLE

(71) The University of Adelaide; NewSouth Innovations Pty Limited  
(21) 2021901139 (22) 19.04.2021  
(54) Quality assessment of reproductive material

(71) The University of Melbourne  
(21) 2021901071 (22) 13.04.2021  
(54) HIV-1 antibodies (2)

**The University of New South Wales see The University of Sydney**  
(21) 2021901061

**The University of New South Wales see The University of Sydney**  
(21) 2021901144

(71) The University of Sydney; The University of New South Wales  
(21) 2021901061 (22) 12.04.2021  
(54) Methods for the identification and treatment of chronic kidney disease

(71) The University of Sydney; The University of New South Wales  
(21) 2021901144 (22) 19.04.2021  
(54) Methods for the identification and treatment of chronic kidney disease using cell morphology

**The Walter and Eliza Hall Institute of Medical Research see Monash University**  
(21) 2021901142

(71) Thompson, M.  
(21) 2021901052 (22) 12.04.2021  
(54) Generating thrust with an Electric Horizon Drive

(71) UniQuest Pty Ltd  
(21) 2021901126 (22) 16.04.2021  
(54) Spleen tyrosine kinase inhibitors

**University of Cambridge see University of Oxford**  
(21) 2021901118

(71) University of Oxford; University of Cambridge; Australian National University; Leibniz Institute for Plant Biochemistry  
(21) 2021901118 (22) 16.04.2021  
(54) Method for expressing genes in bundle sheath cells

(71) University of South Australia  
(21) 2021901100 (22) 14.04.2021  
(54) APPARATUS AND PROCESS FOR SOLAR EVAPORATION-BASED SOIL REMEDIATION

(71) Varcoe, K.  
(21) 2021901137 (22) 19.04.2021  
(54) Concentric Tubular Hypochlorite Generation Cell

(71) Veintech Pty Ltd  
(21) 2021901145 (22) 19.04.2021  
(54) A Portable Ultrasound Device and Method of Ultrasonic Imaging

(71) Vision Tech Bio Pty Ltd  
(21) 2021901164 (22) 20.04.2021  
(54) Biomarkers for colorectal cancer

(71) Wagstaff Food Services Pty Ltd  
(21) 2021901173 (22) 20.04.2021  
(54) APPLICATION OF MICROWAVES TO ANIMALS

(71) Waterco Limited  
(21) 2021901156 (22) 20.04.2021  
(54) Multi-cyclone sediment filter

(71) Watson, R.  
(21) 2021901073 (22) 13.04.2021  
(54) Improved Bracket

(71) WearOptimo Pty Ltd  
(21) 2021901075 (22) 13.04.2021  
(54) Fluid status monitoring

(71) Wellen Pty Ltd  
(21) 2021901108 (22) 15.04.2021  
(54) Shipping and display container and blank for forming same

(71) Woodform Architectural Pty Ltd t/a Sculptform  
(21) 2021901197 (22) 22.04.2021  
(54) A Batten Fixing Clip And A Method Of Fixing The Clip

(71) Xlocktech Pty Ltd  
(21) 2021901176 (22) 21.04.2021  
(54) A subframe video postprocessing system



## Provisional Applications Filed - Name Index cont'd

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(71) Yeomans, A.  
(21) 2021901060 (22) 12.04.2021  
(54) THERMAL ENERGY TRANSFER AP-  
PARATUS

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(71) Yeomans, A.  
(21) 2021901143 (22) 19.04.2021  
(54) METHOD OF CALIBRATING AND OP-  
ERATING APPARATUS FOR USE IN  
ASSESSING THE CARBON CONTENT  
OF SOILS

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(71) Young Henrys Brewing Company Pty  
Ltd  
(21) 2021901184 (22) 21.04.2021  
(54) Processes for carbon dioxide capture

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(71) Zeitoune, G.  
(21) 2021901132 (22) 17.04.2021  
(54) Event Book

Numerical Index

<b>2021901000</b>	Burns, D.	<b>2021901119</b>	Gervais, M.
<b>2021901052</b>	Thompson, M.	<b>2021901120</b>	Leisk, J.
<b>2021901053</b>	Medlab IP Pty Ltd	<b>2021901121</b>	Phelan, R.
<b>2021901054</b>	Munro, M.	<b>2021901122</b>	PASTRO-CUSTOM AG Pty Ltd
<b>2021901055</b>	The Dynamic Engineering Solution Pty Ltd	<b>2021901123</b>	Hilbert Investments Pty. Ltd.
<b>2021901056</b>	TANNOS, G.; HJORTFLOD, K.	<b>2021901124</b>	Etex Australia Pty Ltd
<b>2021901058</b>	Hydraquatic Pty Ltd	<b>2021901125</b>	3 AIM IP Pty Ltd
<b>2021901059</b>	Fernandes, M.	<b>2021901126</b>	UniQuest Pty Ltd
<b>2021901060</b>	Yeomans, A.	<b>2021901127</b>	Johnston, D.
<b>2021901061</b>	The University of Sydney; The University of New South Wales	<b>2021901128</b>	BAWDEN, L.
<b>2021901062</b>	Omni Shutter Systems Pty Ltd	<b>2021901129</b>	Biosceptre (Aust) Pty Ltd
<b>2021901063</b>	FOOKS, R.	<b>2021901130</b>	Sung, J.
<b>2021901064</b>	Miles, S.	<b>2021901131</b>	Relf, P.
<b>2021901065</b>	Q L Spacer Blocks Pty Ltd	<b>2021901132</b>	Zeitoune, G.
<b>2021901066</b>	Seaman, B.	<b>2021901133</b>	Frampton, N.
<b>2021901067</b>	CARP Pharmaceuticals Pty Ltd	<b>2021901134</b>	doski, J.
<b>2021901068</b>	CERGE PTY LTD	<b>2021901135</b>	A.G CRAMOND & L.D CRAMOND
<b>2021901069</b>	Daita Pty Ltd	<b>2021901136</b>	Offsite Engineering Solutions Pty Ltd
<b>2021901070</b>	Enviromesh Pty Limited	<b>2021901137</b>	Varcoe, K.
<b>2021901071</b>	The University of Melbourne	<b>2021901138</b>	Collett, C.M.
<b>2021901072</b>	Orbinox Pty Ltd (T/A SFI Aust)	<b>2021901139</b>	The University of Adelaide; NewSouth Innovations Pty Limited
<b>2021901073</b>	Watson, R.	<b>2021901140</b>	Cripps Clark, J.
<b>2021901074</b>	Taylor, A.	<b>2021901141</b>	Dingo HPA Pty Ltd
<b>2021901075</b>	WearOptimo Pty Ltd	<b>2021901142</b>	Monash University; The Walter and Eliza Hall Institute of Medical Research
<b>2021901076</b>	Sleeping Duck Pty Ltd	<b>2021901143</b>	Yeomans, A.
<b>2021901077</b>	Latitude Health Technologies Pty Limited	<b>2021901144</b>	The University of Sydney; The University of New South Wales
<b>2021901078</b>	Bradley, M.	<b>2021901145</b>	Veintech Pty Ltd
<b>2021901079</b>	EMvision Medical Devices Ltd	<b>2021901146</b>	Elexsys IP Pty Ltd
<b>2021901080</b>	GROUND ROVER PTY LTD	<b>2021901147</b>	Orica Digital Solutions
<b>2021901081</b>	GROUND ROVER PTY LTD	<b>2021901148</b>	Agriculture Victoria Services Pty Ltd
<b>2021901082</b>	GROUND ROVER PTY LTD	<b>2021901149</b>	ResMed Pty Ltd
<b>2021901083</b>	GROUND ROVER PTY LTD	<b>2021901150</b>	Last Myle Limited
<b>2021901084</b>	SYNERGETICS PTY LTD	<b>2021901151</b>	GROUND ROVER PTY LTD
<b>2021901085</b>	GLOBAL TOOL GROUP PTY LTD	<b>2021901152</b>	GROUND ROVER PTY LTD
<b>2021901086</b>	Emyria	<b>2021901153</b>	Philip Holland
<b>2021901087</b>	D.R. Fin.s. Pty Ltd	<b>2021901154</b>	STM Management Pty Ltd
<b>2021901088</b>	The Dynamic Engineering Solution Pty Ltd	<b>2021901155</b>	Gangi, R.
<b>2021901089</b>	The Dynamic Engineering Solution Pty Ltd	<b>2021901156</b>	Waterco Limited
<b>2021901091</b>	Butler, c.	<b>2021901157</b>	Burger Co Pty Ltd
<b>2021901092</b>	MATERIALIZED PTY LTD	<b>2021901158</b>	Furst Electrical Services Pty Ltd
<b>2021901093</b>	Knight Outdoors; Knight, R.	<b>2021901159</b>	Griffin, M.
<b>2021901094</b>	Doyle, B.	<b>2021901160</b>	Kids Ride Shotgun Limited
<b>2021901095</b>	G H Fabrications Pty Ltd	<b>2021901161</b>	COLE, M.
<b>2021901096</b>	Orr Connect Pty Ltd	<b>2021901162</b>	Madad Pty Ltd
<b>2021901097</b>	Hunt, D.	<b>2021901163</b>	Breville Pty Limited
<b>2021901098</b>	Madad Pty Ltd	<b>2021901164</b>	Vision Tech Bio Pty Ltd
<b>2021901099</b>	Madad Pty Ltd	<b>2021901165</b>	Gauldie, S.
<b>2021901100</b>	University of South Australia	<b>2021901166</b>	Sand Ark Australia Pty Ltd
<b>2021901101</b>	LIQUIM PTY LTD	<b>2021901167</b>	Murphy, T.
<b>2021901102</b>	LIQUIM PTY LTD	<b>2021901168</b>	Coman, P.
<b>2021901103</b>	KINSHIP GLOBAL PTY LTD	<b>2021901169</b>	The Council of the Queensland Institute of Medical Research
<b>2021901104</b>	Mystic Trading Company Pty Ltd	<b>2021901170</b>	Sabeti, S.
<b>2021901105</b>	pellin, m.	<b>2021901171</b>	QUILL & QUAYER ASSOCIATES PTY. LTD.
<b>2021901106</b>	Jindex Pty Limited	<b>2021901172</b>	Alauda Aeronautics Pty Ltd
<b>2021901107</b>	Alpha Vet Tech Holdings Pty Ltd	<b>2021901173</b>	Wagstaff Food Services Pty Ltd
<b>2021901108</b>	Wellen Pty Ltd	<b>2021901174</b>	Palmaya Pty Ltd
<b>2021901109</b>	CCL Secure Pty Ltd	<b>2021901175</b>	Hendry, C.
<b>2021901110</b>	ICEBLOQ TECHNOLOGY PTY LTD	<b>2021901176</b>	Xlocktech Pty Ltd
<b>2021901111</b>	THE SERENITY NOW COMPANY PTY LTD	<b>2021901177</b>	GlassFit Australia Pty Ltd
<b>2021901112</b>	BAE Systems Australia Limited	<b>2021901178</b>	Apex Biotech Research Pty Ltd
<b>2021901113</b>	BAE Systems Australia Limited	<b>2021901179</b>	Arakel, A.; Pact Renewables Pty Ltd
<b>2021901115</b>	Playa One Pty Ltd	<b>2021901180</b>	Heartlab Solutions Pty Ltd
<b>2021901116</b>	CBN Energy Pty Ltd	<b>2021901181</b>	Rhino Rack Australia Pty Limited
<b>2021901117</b>	Jafarzadeh, M.	<b>2021901182</b>	Rhino Rack Australia Pty Limited
<b>2021901118</b>	University of Oxford; University of Cambridge; Australian National University; Leibniz Institute for Plant Biochemistry		

## Provisional Applications Filed - Numerical Index cont'd

2021901183 Karim, A.  
2021901184 Young Henrys Brewing Company Pty Ltd  
2021901185 Gladman, G.  
2021901186 D & D Group Pty Ltd  
2021901188 Artrya Pty Ltd  
2021901189 Russell, J.  
2021901190 Gangi, R.  
2021901191 Obaid, L.  
2021901192 Illinois Tool Works Inc.  
2021901193 Macquarie University  
2021901194 Hanson Construction Materials Pty Ltd  
2021901195 E & K Escott Holdings Pty Ltd  
2021901196 East, B.  
2021901197 Woodform Architectural Pty Ltd t/a Sculptform  
2021901198 Lee, W.  
2021901199 Animal Ethics Pty Ltd  
2021901200 Stephen, C.C.; Dimmock, M.S.  
2021901201 Alcoa of Australia Limited  
2021901202 C DUPE PTY LTD  
2021901203 Quenda Ecologics Pty Ltd  
2021901204 BricksNData Pty Ltd  
2021901205 Beragiti Limited  
2021901206 DIT AgTech Limited  
2021901207 Breville USA, Inc.  
2021901209 ARCACTIVE LIMITED  
2021901210 Monash University  
2021901211 Ausplow Pty. Ltd.  
2021901214 Mesoblast International Sarl  
2021901215 Garvan Institute of Medical Research; Auckland UniSer-  
vices Limited  
2021901216 Australian Agricultural Equipment Pty Ltd  
2021901217 Commonwealth Scientific and Industrial Research Or-  
ganisation  
2021901221 NOISEWORKS TECHNOLOGY PTY LTD

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 20 Apr 2021 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) 3M Innovative Properties Company (21) 2021202311 (22) 16.04.2021 (54) Systems and methods for improved maintenance of patient-associated problem lists (62) 2019204475</p> <hr/> <p>(71) 7 Hills Pharma LLC (21) 2021202260 (22) 14.04.2021 (54) Compositions and methods to improve adoptive cell therapies (62) 2015284263</p> <hr/> <p>(71) Akili Interactive Labs, Inc. (21) 2021202325 (22) 17.04.2021 (54) PROCESSOR IMPLEMENTED SYSTEMS AND METHODS FOR MEASURING COGNITIVE ABILITIES (62) 2016228778</p> <hr/> <p>(71) Alcoa of Australia Limited (21) 2021202270 (22) 14.04.2021 (54) Method For Manufacturing Alumina (31) 2020901181 (32) 14.04.20 (33) AU</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2021202338 (22) 19.04.2021 (54) Gaming chip and method for manufacturing the same (31) 2020-074504 (32) 20.04.20 (33) JP</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2021202290 (22) 15.04.2021 (54) Fraud detection system in casino (62) 2016302657</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2021202291 (22) 15.04.2021 (54) Fraud detection system in casino (62) 2016302657</p> <hr/> <p>(71) Apple Inc. (21) 2021202225 (22) 13.04.2021 (54) Electronic device for digital object management (62) 2019264623</p> <hr/> <p>(71) Apple Inc. (21) 2021202254 (22) 14.04.2021</p>	<p>(54) Avatar navigation, library, editing and creation user interface (62) 2019265357</p> <hr/> <p>(71) Apple Inc. (21) 2021202255 (22) 14.04.2021 (54) Voice trigger for a digital assistant (62) 2019204501</p> <hr/> <p>(71) Apple Inc. (21) 2021202300 (22) 16.04.2021 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces and interacting with control objects (62) 2020200937</p> <hr/> <p>(71) Apple Inc. (21) 2021202302 (22) 16.04.2021 (54) Systems and methods for interacting with multiple applications that are simultaneously displayed on an electronic device with a touch-sensitive display (62) 2018269159</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021202283 (22) 15.04.2021 (54) Gaming System and Method for Modifying a Wager Game (62) 2019202457</p> <hr/> <p>(71) AUTOPHAGYSCIENCES INC. (21) 2021202309 (22) 16.04.2021 (54) NOVEL CATECHOL DERIVATIVES AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME (62) 2016312736</p> <hr/> <p>(71) Baxter Corporation Englewood (21) 2021202250 (22) 14.04.2021 (54) AUTOMATED EXCHANGE OF HEALTHCARE INFORMATION FOR FULFILLMENT OF MEDICATION DOSES (62) 2015335629</p> <hr/> <p><b>Baxter Healthcare SA see Baxter International Inc.</b> (21) 2021202238</p> <hr/>	<p>(71) Baxter Healthcare SA; Baxter International Inc (21) 2021202246 (22) 14.04.2021 (54) CONTROL OF A WATER DEVICE VIA A DIALYSIS MACHINE USER INTERFACE (62) 2020204015</p> <hr/> <p><b>Baxter Healthcare SA see Baxter International Inc.</b> (21) 2021202303</p> <hr/> <p><b>Baxter International Inc see Baxter Healthcare SA</b> (21) 2021202246</p> <hr/> <p>(71) Baxter International Inc.; Baxter Healthcare SA (21) 2021202238 (22) 14.04.2021 (54) SYSTEM AND METHOD TO EFFICIENTLY CLEAN A BLOOD FILTER (62) 2019279913</p> <hr/> <p>(71) Baxter International Inc.; Baxter Healthcare SA (21) 2021202303 (22) 16.04.2021 (54) SYSTEM AND METHOD FOR PERITONEAL DIALYSIS EXCHANGES HAVING REUSABLE ENERGIZING UNIT (62) 2019203680</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2021202222 (22) 13.04.2021 (54) Universal connector or cap for male and female threaded fittings (62) 2019214898</p> <hr/> <p>(71) Bedgear LLC (21) 2021202280 (22) 15.04.2021 (54) PILLOW WITH GUSSET HAVING MULTIPLE POROSITY PORTS (62) 2015203722</p> <hr/> <p>(71) BioIncept, LLC (21) 2021202310 (22) 16.04.2021 (54) Compositions and methods for treating acute radiation syndrome (62) 2019202741</p> <hr/> <p>(71) Biomolecular Holdings LLC (21) 2021202315 (22) 16.04.2021</p>
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Complete Applications Filed - Name Index cont'd

(54) Hybrid immunoglobulin containing non-peptidyl linkage  
(62) 2015229186

(71) Blinkbio, Inc.  
(21) 2021202329 (22) 19.04.2021  
(54) Silicon based drug conjugates and methods of using same  
(62) 2016262107

(71) Bruin Biometrics, LLC  
(21) 2021202263 (22) 14.04.2021  
(54) Bisymmetric comparison of sub-epidermal moisture values  
(62) 2020201790

(71) Bruin Biometrics LLC  
(21) 2021202265 (22) 14.04.2021  
(54) Apparatus and methods for determining damaged tissue using sub-epidermal moisture measurements  
(62) 2016250527

(71) Caliway Biopharmaceuticals Co., Ltd.  
(21) 2021202349 (22) 19.04.2021  
(54) A pharmaceutical composition for reducing localized fat and uses thereof  
(62) 2019246808

(71) Cantor Index, LLC  
(21) 2021202344 (22) 19.04.2021  
(54) COMPUTER GRAPHICS PROCESSING METHODS AND SYSTEMS FOR PRESENTATION OF GRAPHICS OBJECTS OR TEXT IN A WAGERING ENVIRONMENT  
(62) 2019201495

(71) Canva Pty Ltd  
(21) 2021202272 (22) 15.04.2021  
(54) Systems and methods for automatically grouping design elements  
(31) 2020901186 (32) 15.04.20 (33) AU

(71) Canva Pty Ltd  
(21) 2021202282 (22) 15.04.2021  
(54) Systems and methods for applying effects to design elements  
(31) 2020901256 (32) 21.04.20 (33) AU

(71) Canva Pty Ltd  
(21) 2021202306 (22) 16.04.2021  
(54) Digital video production systems and methods

(71) Caterpillar Inc.  
(21) 2021202318 (22) 16.04.2021  
(54) Stabilization based path planning  
(62) 2016222348

(71) Cha, Y.  
(21) 2021202324 (22) 17.04.2021  
(54) Traction Device Using a Drone  
(62) 2018210705

(71) Channell Commercial Corporation  
(21) 2021202292 (22) 15.04.2021  
(54) Shielded self-latching locking assembly for a utility vault  
(31) 16/885,820 (32) 22.04.20 (33) US  
17/179,175 18.02.21 US

(71) Chehebar, J.  
(21) 2021202278 (22) 15.04.2021  
(54) Flip-flop capable of changing to a sandal having an embedded rear strap movable between two positions  
(31) 17/016,553 (32) 10.09.20 (33) US

(71) Chevron U.S.A. Inc.  
(21) 2021202289 (22) 15.04.2021  
(54) Systems and methods utilizing glycol for hydrate prevention with glycol regeneration by variable concentration control  
(62) 2017239495

(71) COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD.  
(21) 2021202266 (22) 14.04.2021  
(54) Plastic anchor for drywall, plaster, brick, concrete, etc  
(62) 2019202563

(71) Cypher Medical LLC  
(21) 2021202287 (22) 15.04.2021  
(54) Method of estimating blood volume  
(62) 2018207099

**DAIICHI SANKYO COMPANY, LIMITED see NATIONAL INSTITUTES OF BIOMEDICAL INNOVATION, HEALTH AND NUTRITION**  
(21) 2021202301

(71) Deep Brain Innovations LLC  
(21) 2021202229 (22) 13.04.2021  
(54) PROGRAMMING SYSTEMS FOR DEEP BRAIN STIMULATOR SYSTEM  
(62) 2019216696

**Desert King International LLC see Phibro Animal Health Corporation**  
(21) 2021202307

(71) Drive Products Inc.  
(21) 2021202247 (22) 14.04.2021  
(54) Adaptable container assembly for truck-mounted containers to increase dumping effectiveness  
(31) 3077969 (32) 15.04.20 (33) CA

(71) Ensign Drilling Inc.  
(21) 2021202239 (22) 14.04.2021  
(54) Inertial Compensation for a Quill Oscillator  
(31) 63/010,239 (32) 15.04.20 (33) US

**EPIC SCIENCES, INC. see THE SCRIPPS RESEARCH INSTITUTE**  
(21) 2021202220

(71) ETEX AUSTRALIA PTY LTD  
(21) 2021202304 (22) 16.04.2021  
(54) Wall framing bracket and assembly

(71) Field Orthopaedics Pty Ltd  
(21) 2021202245 (22) 14.04.2021  
(54) ORTHOPAEDIC BONE STABILISATION DEVICE  
(31) 2020901202 (32) 16.04.20 (33) AU

(71) Fisher & Paykel Healthcare limited  
(21) 2021202249 (22) 14.04.2021  
(54) PATIENT INTERFACE AND HEADGEAR FOR A RESPIRATORY APPARATUS  
(62) 2019202375

(71) Fisher & Paykel Healthcare Limited  
(21) 2021202228 (22) 13.04.2021  
(54) METHODS AND APPARATUS FOR OXYGENATION AND/OR CO2 REMOVAL  
(62) 2016241573

(71) Foundation Medicine, Inc.  
(21) 2021202244 (22) 14.04.2021  
(54) Computer-implemented system and method for identifying similar patients  
(62) 2015364605

**Fred Hutchinson Cancer Research Center see The Board of Trustees of the University of Illinois**  
(21) 2021202274

(71) GE Global Sourcing LLC  
(21) 2021202262 (22) 14.04.2021  
(54) SYSTEM AND METHOD FOR AUTOMATED ESTABLISHMENT OF A VEHICLE CONSIST  
(62) 2019280015

(71) Gilead Pharmasset LLC  
(21) 2021202327 (22) 19.04.2021  
(54) Nucleoside phosphoramidate prodrugs  
(62) 2019203002

(71) Grand Performance Online Pty Ltd  
(21) 2021202226 (22) 13.04.2021  
(54) A computer-enabled method, system and computer program for providing an

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intuitive user interface arranged to create a dynamic floor plan utilisable by an allocation algorithm to perform the task of managing a function or event <b>(62)</b> 2020200618	<b>(54)</b> Non-immunogenic single domain antibodies <b>(62)</b> 2016209247	<b>(71)</b> Mygnar, Inc. <b>(21)</b> 2021202286 <b>(22)</b> 15.04.2021 <b>(54)</b> Managing data <b>(62)</b> 2016223008
<b>(71)</b> Grand Performance Online Pty Ltd <b>(21)</b> 2021202258 <b>(22)</b> 14.04.2021 <b>(54)</b> A computer-enabled method, system and computer program for autonomously allocating and managing a space, furniture, equipment and/or a service via an electronic device <b>(62)</b> 2020200612	<b>(71)</b> Io Therapeutics, Inc <b>(21)</b> 2021202348 <b>(22)</b> 19.04.2021 <b>(54)</b> COMPOUNDS AND SYNTHETIC METHODS FOR THE PREPARATION OF RETINOID X RECEPTOR-SPECIFIC RETINOIDS <b>(62)</b> 2020250208	<b>(71)</b> NAKAYA, H. <b>(21)</b> 2021202294 <b>(22)</b> 15.04.2021 <b>(54)</b> Thermoelectric conversion element and thermoelectric conversion module <b>(62)</b> 2019229329
<b>(71)</b> Guangxi University of Chinese Medicine <b>(21)</b> 2021202256 <b>(22)</b> 14.04.2021 <b>(54)</b> RABBIT FIXATOR FOR EXPERIMENTS <b>(31)</b> 202120167460.9 <b>(32)</b> 21.01.21 <b>(33)</b> CN	<b>(71)</b> Island Breeze Systems CA, LLC <b>(21)</b> 2021202335 <b>(22)</b> 19.04.2021 <b>(54)</b> Propellant based metered dose inhaler and food applicators and applicators <b>(62)</b> 2019203925	<b>(71)</b> NATIONAL INSTITUTES OF BIOMEDICAL INNOVATION, HEALTH AND NUTRITION; DAIICHI SANKYO COMPANY, LIMITED <b>(21)</b> 2021202301 <b>(22)</b> 16.04.2021 <b>(54)</b> Complex containing oligonucleotide having immunopotentiating activity and use thereof <b>(62)</b> 2014322046
<b>(71)</b> Halliburton Energy Services, Inc. <b>(21)</b> 2021202346 <b>(22)</b> 19.04.2021 <b>(54)</b> Rapid setting in situ cement plugs <b>(62)</b> 2016396132	<b>(71)</b> Johnson & Johnson Consumer Companies, Inc. <b>(21)</b> 2021202276 <b>(22)</b> 15.04.2021 <b>(54)</b> Methods and compositions for enhancing hair quality using blackberry extract <b>(62)</b> 2019202822	<b>(71)</b> National University Corporation Kochi University <b>(21)</b> 2021202237 <b>(22)</b> 14.04.2021 <b>(54)</b> Marker for pancreatic cancer and intraductal papillary mucinous neoplasms <b>(62)</b> 2016367349
<b>(71)</b> Husqvarna AB <b>(21)</b> 2021202345 <b>(22)</b> 19.04.2021 <b>(54)</b> SIMPLIFIED INTERFACE AND OPERATION IN A WATERING SYSTEM <b>(62)</b> 2019203947	<b>(71)</b> Jubilant Draximage Inc.; Ottawa Heart Institute Research Corporation <b>(21)</b> 2021202275 <b>(22)</b> 15.04.2021 <b>(54)</b> Rubidium elution system control <b>(62)</b> 2019203648	<b>(71)</b> Naue GmbH & Co. KG <b>(21)</b> 2021202252 <b>(22)</b> 14.04.2021 <b>(54)</b> GEOTEXTILE SAND CONTAINER WITH QUICK-RELEASE FASTENER <b>(31)</b> 102020110307.7 <b>(32)</b> 15.04.20 <b>(33)</b> DE
<b>(71)</b> IBIS Information Systems Pty Ltd <b>(21)</b> 2021202305 <b>(22)</b> 16.04.2021 <b>(54)</b> METHOD AND SYSTEM FOR VISUALISING FINANCIAL ALLOCATION MODELS <b>(62)</b> 2015262888	<b>(71)</b> Kenall Manufacturing Company <b>(21)</b> 2021202248 <b>(22)</b> 14.04.2021 <b>(54)</b> LIGHTING DEVICE THAT DEACTIVATES DANGEROUS PATHOGENS WHILE PROVIDING VISUALLY APPEALING LIGHT <b>(62)</b> 2016283970	<b>(71)</b> New York Air Brake, LLC <b>(21)</b> 2021202316 <b>(22)</b> 16.04.2021 <b>(54)</b> Radio blocking in a train control system <b>(62)</b> 2018237308
<b>(71)</b> IdentiFlight International, LLC <b>(21)</b> 2021202273 <b>(22)</b> 15.04.2021 <b>(54)</b> Bird or bat detection and identification for wind turbine risk mitigation <b>(62)</b> 2015305464	<b>(71)</b> LG Electronics Inc. <b>(21)</b> 2021202241 <b>(22)</b> 14.04.2021 <b>(54)</b> Cleaner holder <b>(62)</b> 2020201739	<b>(71)</b> Novartis AG <b>(21)</b> 2021202235 <b>(22)</b> 13.04.2021 <b>(54)</b> Therapeutic regimen of 2-amino-l-(2-(4-fluorophenyl)-3-(4-fluorophenylamino)-8,8-dimethyl-5,6-dihydroimidazo[1,2-a]pyrazin-7(8H-yl)ethanone and combinations thereof <b>(62)</b> 2018260414
<b>(71)</b> IdentiFlight International, LLC <b>(21)</b> 2021202277 <b>(22)</b> 15.04.2021 <b>(54)</b> AVIAN DETECTION SYSTEMS AND METHODS <b>(62)</b> 2015305303	<b>(71)</b> MEDI-Clear Ltd <b>(21)</b> 2021202243 <b>(22)</b> 14.04.2021 <b>(54)</b> COVER SHEETS <b>(31)</b> 2005706.3 <b>(32)</b> 20.04.20 <b>(33)</b> GB	<b>(71)</b> Novartis AG <b>(21)</b> 2021202343 <b>(22)</b> 19.04.2021 <b>(54)</b> STABLE AND SOLUBLE ANTIBODIES INHIBITING VEGF <b>(62)</b> 2019216698
<b>(71)</b> Immatix Biotechnologies GmbH <b>(21)</b> 2021202312 <b>(22)</b> 16.04.2021 <b>(54)</b> IMMUNOTHERAPY AGAINST MELANOMA AND OTHER CANCERS <b>(62)</b> 2017253549	<b>(71)</b> Memorial Sloan-Kettering Cancer Center <b>(21)</b> 2021202257 <b>(22)</b> 14.04.2021 <b>(54)</b> Methods for treating brain metastasis <b>(62)</b> 2015317330	<b>(71)</b> OPENM INC. <b>(21)</b> 2021202336 <b>(22)</b> 19.04.2021 <b>(54)</b> THERMOPLASTIC CAST <b>(62)</b> 2016303877
<b>(71)</b> Inhibrx, Inc. <b>(21)</b> 2021202314 <b>(22)</b> 16.04.2021	<b>(71)</b> Memorial Sloan-Kettering Cancer Center <b>(21)</b> 2021202259 <b>(22)</b> 14.04.2021 <b>(54)</b> Inhibiting cancer metastasis <b>(62)</b> 2014323491	<b>(71)</b> Oren Technologies, LLC <b>(21)</b> 2021202269 <b>(22)</b> 14.04.2021

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(54) Conveyor with integrated dust collector system (62) 2020204355	(54) DISEASE RESISTANCE LOCI IN ONION (62) 2020233660	A TRANSPORT CLIMATE CONTROL SYSTEM (31) 16/863,051 (32) 30.04.20 (33) US
(71) Orthosoft ULC (21) 2021202326 (22) 19.04.2021 (54) END EFFECTOR FOR ROBOTIC SHOULDER ARTHROPLASTY (31) 63/015,217 (32) 24.04.20 (33) US 17/224,841 07.04.21 US	(71) Seqirus UK Limited (21) 2021202331 (22) 19.04.2021 (54) Vaccination of immunocompromised subjects (62) 2015323334	(71) THE SCRIPPS RESEARCH INSTITUTE; EPIC SCIENCES, INC. (21) 2021202220 (22) 13.04.2021 (54) METHOD OF USING NON-RARE CELLS TO DETECT RARE CELLS (62) 2018247290
<b>Ottawa Heart Institute Research Corporation see Jubilant Draximage Inc.</b> (21) 2021202275	<b>SNU R&amp;DB Foundation see University of Ulsan Foundation for Industry Cooperation</b> (21) 2021202271	(71) The United States of America, as represented by the Secretary, Department of Health and Human Services (21) 2021202223 (22) 13.04.2021 (54) Methods of isolating T cells having antigenic specificity for a cancer-specific mutation (62) 2014407540
(71) Parallel Wireless, Inc. (21) 2021202267 (22) 14.04.2021 (54) Elastic scheduling (62) 2016344036	(71) Steyer, C. (21) 2021202285 (22) 15.04.2021 (54) Steyer CRMG- Continuous Rotation Magnetic Generator	(71) The United States of America, as represented by the Secretary, Department of Health and Human Services (21) 2021202227 (22) 13.04.2021 (54) Anti-human papillomavirus 16 E7 T cell receptors (62) 2019283892
(71) Phibro Animal Health Corporation; Desert King International LLC (21) 2021202307 (22) 16.04.2021 (54) COMBINATION, COMPOSITION, AND METHOD OF ADMINISTERING THE COMBINATION OR COMPOSITION TO ANIMALS (62) 2015263877	(71) Sulzer Management AG (21) 2021202341 (22) 19.04.2021 (54) Multiphase pump (31) EP20175212.8 (32) 18.05.20 (33) EP	(71) Toughbuilt Industries, Inc. (21) 2021202321 (22) 16.04.2021 (54) Interchangeable different style-blade utility knife (31) 16/852,951 (32) 20.04.20 (33) US
(71) PLANTIC TECHNOLOGIES LIMITED (21) 2021202320 (22) 16.04.2021 (54) RESIN COMPOSITION AND METHOD FOR PRODUCING THE SAME (31) 2020-074377 (32) 17.04.20 (33) JP	(71) Supera Pharmaceuticals, Inc. (21) 2021202296 (22) 15.04.2021 (54) Genetically modified Cannabis sativa plants and modified cannabinoid compounds for treatment of substance addiction and other disorders (62) 2019225717	(71) Transportation IP Holdings, LLC (21) 2021202231 (22) 13.04.2021 (54) POWER SUPPLY SYSTEM AND METHOD (31) 63/009,176 (32) 13.04.20 (33) US 17/225,322 08.04.21 US
(71) PTT Global Chemical Public Company Limited (21) 2021202281 (22) 15.04.2021 (54) Dicyclopentadiene modified ester oligomers useful in coating applications (62) 2016377580	(71) Takeda Pharmaceutical Company Limited (21) 2021202219 (22) 13.04.2021 (54) SYRINGE STABILIZER (62) 2017291507	(71) Transportation IP Holdings, LLC (21) 2021202236 (22) 14.04.2021 (54) BRAKING SYSTEM AND METHOD (31) 63/010,184 (32) 15.04.20 (33) US 17/224,929 07.04.21 US
(71) Robert Bosch GmbH (21) 2021202317 (22) 16.04.2021 (54) Intercom signal mixer having channel tiles (31) 16/851,635 (32) 17.04.20 (33) US	<b>The ASAN Foundation see University of Ulsan Foundation for Industry Cooperation</b> (21) 2021202271	(71) University of Ulsan Foundation for Industry Cooperation; The ASAN Foundation; SNU R&DB Foundation (21) 2021202271 (22) 15.04.2021 (54) S1PR4-targeting Composition for Preventing or Treating Non-alcoholic Steatohepatitis (62) 2018246796
(71) Salter, T. (21) 2021202251 (22) 14.04.2021 (54) Swimming Pool Construction (31) 2020902928 (32) 17.08.20 (33) AU	(71) The Board of Trustees of the University of Illinois; Fred Hutchinson Cancer Research Center (21) 2021202274 (22) 15.04.2021 (54) Engineered high-affinity human T cell receptors (62) 2019272003	(71) Vaxxas Pty Limited (21) 2021202221 (22) 13.04.2021 (54) MICROPROJECTION ARRAY APPLICATOR AND METHOD (62) 2016214968
(71) Sarepta Therapeutics, Inc. (21) 2021202224 (22) 13.04.2021 (54) Peptide oligonucleotide conjugates (62) 2019204913	(71) Thermogenesis Corporation (21) 2021202347 (22) 19.04.2021 (54) Cell separation devices, systems, and methods (62) 2016381806	
(71) Seminis Vegetable Seeds, Inc. (21) 2021202284 (22) 15.04.2021	(71) Thermo King Corporation (21) 2021202298 (22) 15.04.2021 (54) SYSTEM AND METHOD OF ENERGY EFFICIENT OPERATION OF	

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**Veltjens, V. see Veltjens, K.**

(21) 2021202313

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(71) Veltjens, K.; Veltjens, V.

(21) 2021202313 (22) 16.04.2021

(54) Loading and Unloading Facility for Vessels and Port System

(31) 2020901231 (32) 19.04.20 (33) AU

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(71) Virginia Commonwealth University

(21) 2021202288 (22) 15.04.2021

(54) Oxygenated cholesterol sulfates for therapy of disorders caused by at least one of attenuated leptin activity and a lipid storage disorder

(62) 2021200574

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(71) Waymo LLC

(21) 2021202268 (22) 14.04.2021

(54) ESTIMATING TIME TO PICK UP AND DROP OFF PASSENGERS FOR IMPROVED STOPPING ANALYSIS IN AUTONOMOUS VEHICLES

(62) 2018321467

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(71) Waymo LLC

(21) 2021202295 (22) 15.04.2021

(54) LIDAR WITH CO-ALIGNED TRANSMIT AND RECEIVE PATHS

(62) 2018330541

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(71) Westinghouse Air Brake Technologies Corporation

(21) 2021202261 (22) 14.04.2021

(54) SYSTEM AND METHOD FOR ADAPTIVE BRAKING

(62) 2018375539

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(71) Wilcox Industries Corp.

(21) 2021202264 (22) 14.04.2021

(54) Modular Helmet System

(31) 63/009,783 (32) 14.04.20 (33) US

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(71) Xero Limited

(21) 2021202240 (22) 14.04.2021

(54) Benchmarking through data mining

(62) 2015392986

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(71) XL Hybrids

(21) 2021202342 (22) 19.04.2021

(54) HYBRID VEHICLE BACK EMF CONTROL APPARATUSES, SYSTEMS, AND METHODS

(31) 63/014,360 (32) 23.04.20 (33) US

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(71) Zoetis Services LLC

(21) 2021202253 (22) 14.04.2021

(54) SIGNAL AMPLIFICATION IN PLASMONIC SPECIFIC-BINDING PARTNER ASSAYS

(62) 2015301632



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<b>2021202219</b>	Takeda Pharmaceutical Company Limited	<b>2021202286</b>	Mygnar, Inc.
<b>2021202220</b>	THE SCRIPPS RESEARCH INSTITUTE; EPIC SCI-ENCES, INC.	<b>2021202287</b>	Cypher Medical LLC
<b>2021202221</b>	Vaxxas Pty Limited	<b>2021202288</b>	Virginia Commonwealth University
<b>2021202222</b>	Becton, Dickinson and Company	<b>2021202289</b>	Chevron U.S.A. Inc.
<b>2021202223</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services	<b>2021202290</b>	Angel Playing Cards Co., Ltd.
<b>2021202224</b>	Sarepta Therapeutics, Inc.	<b>2021202291</b>	Angel Playing Cards Co., Ltd.
<b>2021202225</b>	Apple Inc.	<b>2021202292</b>	Channell Commercial Corporation
<b>2021202226</b>	Grand Performance Online Pty Ltd	<b>2021202294</b>	NAKAYA, H.
<b>2021202227</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services	<b>2021202295</b>	Waymo LLC
<b>2021202228</b>	Fisher & Paykel Healthcare Limited	<b>2021202296</b>	Supera Pharmaceuticals, Inc.
<b>2021202229</b>	Deep Brain Innovations LLC	<b>2021202298</b>	Thermo King Corporation
<b>2021202231</b>	Transportation IP Holdings, LLC	<b>2021202300</b>	Apple Inc.
<b>2021202235</b>	Novartis AG	<b>2021202301</b>	NATIONAL INSTITUTES OF BIOMEDICAL INNOVATION, HEALTH AND NUTRITION; DAICHI SANKYO COMPANY, LIMITED
<b>2021202236</b>	Transportation IP Holdings, LLC	<b>2021202302</b>	Apple Inc.
<b>2021202237</b>	National University Corporation Kochi University	<b>2021202303</b>	Baxter International Inc.; Baxter Healthcare SA
<b>2021202238</b>	Baxter International Inc.; Baxter Healthcare SA	<b>2021202304</b>	ETEX AUSTRALIA PTY LTD
<b>2021202239</b>	Ensign Drilling Inc.	<b>2021202305</b>	IBIS Information Systems Pty Ltd
<b>2021202240</b>	Xero Limited	<b>2021202306</b>	Canva Pty Ltd
<b>2021202241</b>	LG Electronics Inc.	<b>2021202307</b>	Phibro Animal Health Corporation; Desert King International LLC
<b>2021202243</b>	MEDI-Clear Ltd	<b>2021202309</b>	AUTOPHAGYSCIENCES INC.
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<b>2021202246</b>	Baxter Healthcare SA; Baxter International Inc	<b>2021202312</b>	Immatics Biotechnologies GmbH
<b>2021202247</b>	Drive Products Inc.	<b>2021202313</b>	Veltjens, K.; Veltjens, V.
<b>2021202248</b>	Kenall Manufacturing Company	<b>2021202314</b>	Inhibrx, Inc.
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<b>2021202256</b>	Guangxi University of Chinese Medicine	<b>2021202325</b>	Akili Interactive Labs, Inc.
<b>2021202257</b>	Memorial Sloan-Kettering Cancer Center	<b>2021202326</b>	Orthosoft ULC
<b>2021202258</b>	Grand Performance Online Pty Ltd	<b>2021202327</b>	Gilead Pharmasset LLC
<b>2021202259</b>	Memorial Sloan-Kettering Cancer Center	<b>2021202329</b>	Blinkbio, Inc.
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<b>2021202261</b>	Westinghouse Air Brake Technologies Corporation	<b>2021202335</b>	Island Breeze Systems CA, LLC
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<b>2021202274</b>	The Board of Trustees of the University of Illinois; Fred Hutchinson Cancer Research Center		
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(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<p>.., <b>P. see Mohanty, I.</b> (21) 2021101961</p>	<p>(54) A Threat Model for Threat Detection in IoT Sensor Networks</p>	<p>(71) Beaumont, G.; North, J.B.; Oates, R.K.; Robinson, D.A.; Yue Ching Hong, S. (21) 2021101879 (22) 13.04.2021 (54) Methods and systems enabling the electronic acquisition of non-technical skills.</p>
<p>(71) .B, M.I.; Chakrabarti, T.; Hati, A.S.; Awasthy, M.; Jiji, G.; Ajitha, T.; Jayabalan, S.; Rajendran, R.; Jaglan, V.; Singh, A.K.; Chakrabarti, P.; Reddy, R.H.N. (21) 2021101936 (22) 15.04.2021 (54) Motion planning and control algorithm for obstacle avoidance for point mobile robots</p>	<p><b>Angatha, V.V.S. see V, T.K.G.</b> (21) 2021101956</p>	<p>(71) Beijing Normal University (21) 2021101973 (22) 16.04.2021 (54) Drip-type Soil Infiltration Measuring Device</p>
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(71) **Chongqing Vocational Institute of Engineering;** **Jiang, Y.X.**  
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(54) **Data Science in Supply Chain Analysis is using Block Chain Technology**

(71) **CMI Operations Pty Ltd**  
(21) 2021101978 (22) 16.04.2021  
(54) **A Pin Retaining Device and Uses Thereof**  
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(71) **CYCLINGDEAL USA, INC.**  
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(54) ANTI-OIL MIST VISION SYSTEM FOR MACHINE TOOL  
(31) 202120597823.2 (32) 24.03.21 (33) CN

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(71) DIXIT, P.; PILLAI, B.; ARJARIA, A.; CHOURASIA, U.; CHOURASIA, K.  
(21) 2021101897 (22) 13.04.2021  
(54) A machine learning and IOT based system for intelligent routing

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(71) Environment Management Systems Pty Limited  
(21) 2021101929 (22) 14.04.2021  
(54) Pest Management System  
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(54) Multi - Purpose Line Trimmer Cutting Tool

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(71) FIN-PAY TECHNOLOGY PTY LTD  
(21) 2021101886 (22) 13.04.2021  
(54) ELECTRONIC PAYMENTS PLATFORM SYSTEM AND METHOD

(71) Foshan Alpicool Electric Appliance Co., LTD.  
(21) 2021101926 (22) 14.04.2021

(54) BATTERY FOR VEHICLE-MOUNTED REFRIGERATOR  
(31) 202120599744.5 (32) 24.03.21 (33) CN

(71) Foshan Alpicool Electric Appliance Co., LTD.  
(21) 2021101928 (22) 14.04.2021  
(54) MULTIFUNCTIONAL VEHICLE-MOUNTED REFRIGERATOR WITH PLUG-IN BATTERY  
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(71) Guang 'an People's Hospital  
(21) 2021101905 (22) 14.04.2021  
(54) Intelligent disinfection toilet  
(31) 2020223959061 (32) 23.10.20 (33) CN

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(21) 2021101920

(71) Guiyang Urban Rall Transit CO.,LTD; Wuhan Huazhong University of science and Technology Testing Technology

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(54) Method of real-time safety warning of tunnel approaching construction based on data fusion

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(71) Haque, M.A.; Jaiswal, S.; S, P.; Balachander, B.; Kumar, T.C.A.; Ranjani, R.; Srilalitha, S.; Sharma, D.; D, M.; Ohmshankar, S.  
(21) 2021101904 (22) 14.04.2021  
(54) ARTIFICIAL NEURAL NETWORK BASED EARLY DIAGNOSIS OF DIABETES MELLITUS

(71) Harbin Engineering University; Qingdao Haizhisheng Technology Co., Ltd.  
(21) 2021101969 (22) 16.04.2021  
(54) ONLINE MONITORING APPARATUS FOR AUTOMATICALLY IDENTIFYING CORAL BLEACHING  
(31) 202110053097.2 (32) 15.01.21 (33) CN

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(71) Hebei Agricultural University; Institute Of Agricultural Resources And Environment Hebei Academy Of Agriculture And Forestry Sciences  
(21) 2021101963 (22) 15.04.2021  
(54) Nitrification-inhibiting slow-release compound fertilizer with layered granular structure and capable of being used as base fertilizer and topdressing, and preparation method thereof  
(31) 2021103887411 (32) 12.04.21 (33) CN

(71) Hebei University of Science and Technology; Shijiazhuang Panjiang Technology Co., Ltd  
(21) 2021101913 (22) 14.04.2021  
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(71) HSU, J.  
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(31) 109114541 (32) 30.04.20 (33) TW

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(71) Idearlabs Pty Ltd  
(21) 2021101916 (22) 14.04.2021  
(54) A method and system for determining an orientation of a user  
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(71) Institute of Grain Crops, Yunnan Academy of Agricultural Sciences; In-

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(54) An SSR molecular identification method for establishing authenticity of Yunjing series rice varieties

(71) Institute of Lycium Barbarum Science, Ningxia Academy of Agricultural and Forestry Sciences  
(21) 2021101965 (22) 16.04.2021  
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(71) Jilin University  
(21) 2021101918 (22) 14.04.2021  
(54) Method and system of fusion classification of rock spectral signature  
(31) 202010391327.1 (32) 11.05.20 (33) CN

K, S. see Mehta, M.  
(21) 2021101962

K.B., R. see A., C.  
(21) 2021101931

(71) K.N, V.; C.S, V.; V, V.; N, V.; R, H.; REVA UNIVERSITY  
(21) 2021101903 (22) 14.04.2021  
(54) UBIQUITOUS COMPUTING SYSTEM FOR MENTAL HEALTH MONITORING OF PERSON DURING THE PANDEMIC OF COVID-19

K.S., C.M. see P, P.  
(21) 2021101923

Kandhikonda, U.M. see V, T.K.G.  
(21) 2021101956

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(21) 2021101900

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(21) 2021101962

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(21) 2021101958

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(21) 2021101956

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(21) 2021101931

Khan, N.R. see Acharya, B.  
(21) 2021101932

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(21) 2021101986

Khatua, L. see Acharya, B.  
(21) 2021101986

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(21) 2021101893

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(21) 2021101900

Kumar, T.C.A. see Haque, M.A.  
(21) 2021101904

Kumar, A. see Kumar, V.  
(21) 2021101957

Kumar, P. see Kumar, V.  
(21) 2021101957

(71) Kumar, V.; Singh, S.P.; Singh, N.; Kumar, A.; Kumar, P.; Mishra, V.K.  
(21) 2021101957 (22) 15.04.2021  
(54) Our Invention is related to Detect the Object and Speak Object Name, Also Detect Object Speed.

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(21) 2021101961

Kumar, M. see Mohanty, I.  
(21) 2021101961

Kumar Chaubey, N. see Mehta, M.  
(21) 2021101962

Kumar Singh, B. see Mehta, M.  
(21) 2021101962

KUNDU, P. see MUKHERJEE, D.  
(21) 2021101793

Lalvani, J.I.J.R. see A., C.  
(21) 2021101931

M, V. see Janardhana, K.  
(21) 2021101893

(71) M, P.; Malviya, M.; Sivaraju, S.; G, G.M.  
(21) 2021101901 (22) 14.04.2021  
(54) A METHOD FOR IOT ENABLED ENERGY EFFICIENT 6G COMMUNICATION

M.S., K. see A., C.  
(21) 2021101931

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(21) 2021101924

(71) Maduthuri, V.; Siva Prasad, V.V.; Niranjan Kumar, I.N.; Hadassah, T.; Satish Ben, B.; Avinash Ben, B.; Mohan, M.K.; Yeshwanth Kumar, P.; Hima Bindu, K.; Vikranth, M.  
(21) 2021101960 (22) 15.04.2021  
(54) High-performance Cu based electrode design for electrolytic antifouling in marine waters

Makkar, S. see Acharya, B.  
(21) 2021101932

Makkar, S. see Acharya, B.  
(21) 2021101986

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(21) 2021101901

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(21) 2021101961

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(21) 2021101924

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(21) 2021101930

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(21) 2021101930

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(21) 2021101961

(71) McGrath, G.  
(21) 2021101919 (22) 14.04.2021  
(54) Improved door lock  
(62) 2017368447

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**Mehta, K. see Mohanty, I.**  
(21) 2021101961

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(71) Mehta, M.; Noronha, S.; Bikash Achary, P.; Dadhich, M.; Abinash, S.; Rakshit, P.; Bhattacharya, S.; Kant Hiran, K.; Kumar Chaubey, N.; Murat Singh, R.; Kumar Singh, B.; Prasad Sharma, D.; K, S.; Parmar, B.  
(21) 2021101962 (22) 15.04.2021  
(54) FABRICATION OF PORTABLE DEVICE FOR EASY DETECTION ON NEWBORN RINGWORM USING DEEP LEARNING

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**Merugu, S. see V, T.K.G.**  
(21) 2021101956

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(21) 2021101957

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(21) 2021101981

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(21) 2021101986

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**Mohan, M.K. see Maduthuri, V.**  
(21) 2021101960

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(71) Mohanty, I.; Maurya, R.; Gupta, S.; Setia, S.; Mehta, K.; Kumar, V.; Haldhar, R.; Bhatt, D.; Kumar, M.; Sheikh, T.H.; Sewal, N.; P.; Manoj, A.  
(21) 2021101961 (22) 15.04.2021  
(54) A NOVEL LONG RANGE IOT BASED AUTOMATIC DISPENSER SYSTEM FOR HEAVY WATER LINE FLOW CONTROL

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(71) Moma Products Pty Ltd  
(21) 2021101908 (22) 14.04.2021  
(54) Portable Light Stand  
(62) 2019439320

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(71) Moma Products Pty Ltd  
(21) 2021101909 (22) 14.04.2021  
(54) Portable Light Stand  
(62) 2019439320

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(71) MUKHERJEE, D.; RAJA, G.L.; KUNDU, P.; GHOSH, A.  
(21) 2021101793 (22) 08.04.2021  
(54) A METHOD FOR ANALYZING AND OPTIMIZING VIOLENCE AGAINST WOMEN ON SOCIAL NETWORKING SITES

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**Murat Singh, R. see Mehta, M.**  
(21) 2021101962

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(21) 2021101852

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(21) 2021101959

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(21) 2021101959

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(21) 2021101932

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**Nanda, I. see Acharya, B.**  
(21) 2021101986

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(21) 2021101923

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(21) 2021101917

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd**  
(21) 2021101922

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101934

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101935

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd**  
(21) 2021101939

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(21) 2021101941

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101944

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101945

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101948

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**Nanyang Technological University, Singapore see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101949

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**Nargis, T. see Ananth, A.**  
(21) 2021101852

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**Natarajan, Y.J. see Janardhana, K.**  
(21) 2021101893

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**Naveen, R. see Ananth, A.**  
(21) 2021101852

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**Niranjan Kumar, I.N. see Maduthuri, V.**  
(21) 2021101960

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**Noronha, S. see Mehta, M.**  
(21) 2021101962

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(21) 2021101879

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(71) Northwestern Polytechnical University  
(21) 2021101972 (22) 16.04.2021  
(54) Preparation method of cylindrical liquid plasticine

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**Oates, R.K. see Beaumont, G.**  
(21) 2021101879

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(71) Obulesu, O.; VinayaKumari, N.; Somasekhar, G.; Babu Mandru, D.; NageswaraRao, D.; Donthi, R.; Vijay Prasad, S.; Ghantasala, G.S.P.; Yaswanth, R.; Naik, B, V.  
(21) 2021101959 (22) 15.04.2021

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Innovation Patent Applications Filed - Name Index cont'd

(54) A CLASSIFIER FOR ATTACK DETECTION IN CLOUD ENVIRONMENT AND DATA COMPUTING FOR SMART CITIES AND SMART HEALTHCARE SYSTEM USING INTERNET OF THINGS

(71) Ocean University of China; Tiangong University; Qingdao University of Science & Technology

(21) 2021101946 (22) 15.04.2021

(54) NOVEL WAVE GLIDER OF SINGLE-BODY STRUCTURE

(71) Ocean University of China; Qingdao University of Science & Technology; Tiangong University

(21) 2021101947 (22) 15.04.2021

(54) VARIABLE-LENGTH ARMORED CABLE FOR WAVE GLIDER

Ohmshankar, S. see Haque, M.A.

(21) 2021101904

(71) Orr Connect Pty Ltd

(21) 2021101921 (22) 14.04.2021

(54) A Water Pipe Assembly

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(21) 2021101893

(71) P, P.; Singh, M.; Ramaiah, N.S.; K.S., C.M.; T, S.K.; Nandankar, P.; I, R.

(21) 2021101923 (22) 14.04.2021

(54) IoT based Corrosion Control and Electrolyte Monitoring in Lead-Acid Batteries

P, S.A. see Senthil Kumar, M.

(21) 2021101958

(71) Paliwal, P.; Thakur, T.; Arya, A.; Warudkar, V.; Arya, M.; Bhagat, A.

(21) 2021101964 (22) 16.04.2021

(54) ARTIFICIAL INTELLIGENCE BASED SMART ELECTRIC VEHICLE BATTERY MANAGEMENT SYSTEM

Parmar, B. see Mehta, M.

(21) 2021101962

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(21) 2021101930

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(21) 2021101897

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(21) 2021101981

Prasad Sharma, D. see Mehta, M.

(21) 2021101962

Pratap Swain, M. see Janardhana, K.

(21) 2021101893

(71) Qingdao Agricultural University

(21) 2021101895 (22) 13.04.2021

(54) Simple rake type sampler for surface sediments in a shallow water body

(71) Qingdao Agricultural University

(21) 2021101896 (22) 13.04.2021

(54) Method for treating metal cadmium contaminated soil with cotton plants

(71) QINGDAO AGRICULTURAL UNIVERSITY

(21) 2021101902 (22) 14.04.2021

(54) METHOD FOR DETECTING TO-BACCO GENETIC TRANSFORMATION USING GFP PROTEIN

(71) Qingdao Agriculture University

(21) 2021101955 (22) 15.04.2021

(54) Soil water-retaining composition

Qingdao Haizhisheng Technology Co., Ltd. see Harbin Engineering University

(21) 2021101969

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(21) 2021101946

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(21) 2021101947

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(21) 2021101903

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(21) 2021101899

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(21) 2021101899

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(21) 2021101899

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(21) 2021101793

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(21) 2021101958

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(21) 2021101936

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(21) 2021101893

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(21) 2021101962

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(21) 2021101923

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(21) 2021101958

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(21) 2021101904

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(21) 2021101936

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(21) 2021101981

(71) RESEARCH INSTITUTE OF HIGHWAY MINISTRY OF TRANSPORT

(21) 2021101953 (22) 15.04.2021

(54) Heavy-duty traffic pavement structure with high comfort and smoothness

(71) RESEARCH INSTITUTE OF HIGHWAY MINISTRY OF TRANSPORT

(21) 2021101954 (22) 15.04.2021

(54) Double-layer paving construction method of exposed stone cement concrete pavement

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(21) 2021101903

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(21) 2021101879

(71) Ryebucks Portables Pty Ltd

(21) 2021101940 (22) 15.04.2021

(54) Transportable enclosed swimming pool module

(31) 2020901224 (32) 17.04.20 (33) AU  
2020903379 21.09.20 AU

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(21) 2021101904



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(71) Sadler, H.  
 (21) 2021101937 (22) 15.04.2021  
 (54) SYSTEMS AND METHODS FOR THE DELIVERY OF DIGITAL RECEIPTS TO SHOPPERS BY POST-PURCHASE TRANSACTION MATCHING VIA AN AGGREGATOR WITHOUT THE NEED TO ACQUIRE SHOPPERS' CONSENT AT THE COUNTER WHILE REMAINING COMPLIANT TO PRIVACY LEGISLATIONS

(71) Saranya, N.; Chakrabarti, T.; Reddy, C.K.; Hati, A.S.; Anirudhan, B.; Hangaragi, S.S.; Prakash, K.B.; Sridharan, K.; Jaglan, V.; Mishra, R.; Chakrabarti, P.; Satyannarayana, B.  
 (21) 2021101981 (22) 16.04.2021  
 (54) Sewage pipeline blockage and bottle neck detection using hybrid sensor and Geo-spatial data analysis

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 (21) 2021101960

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 (21) 2021101981

(71) School of Agriculture and Biology, Shanghai Jiao Tong University; Shanghai Fengni Pharmaceutical Technology Co., Ltd  
 (21) 2021101952 (22) 15.04.2021  
 (54) A Chewable Tablet of Active Peptides Extracted from Sea Cucumber and Oyster to Nourish and Protect Liver/Kidney While Recovering from Fatigue, with the Method of its Production

Sennan, S. see A., C.  
 (21) 2021101931

(71) Senthil Kumar, M.; Rama Parvathy, L.; P. S.A.; Rajamani, V.; Sharma, M.; Kapila, D.  
 (21) 2021101958 (22) 15.04.2021  
 (54) TAMIL TEXT CATEGORIZATION USING FEATURE WEIGHT LEARNING OF K-NEAREST NEIGHBOUR ALGORITHMS

Setia, S. see Mohanty, I.  
 (21) 2021101961

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 (21) 2021101961

(71) Shang, X.; Zhu, X.  
 (21) 2021101968 (22) 16.04.2021  
 (54) A functional feed for increasing milk yield of sows and its preparation method

Shanghai Fengni Pharmaceutical Technology Co., Ltd see School of Agriculture and Biology, Shanghai Jiao Tong University  
 (21) 2021101952

(71) Shanghai Ocean University  
 (21) 2021101950 (22) 15.04.2021  
 (54) METHOD FOR ESTIMATING SHAPE OF MID-WATER TRAWL DURING OPERATION

(71) Shanghai Ocean University  
 (21) 2021101976 (22) 16.04.2021  
 (54) METHOD FOR ESTIMATING VOLUME OF PURSE SEINE NET BASED ON DYNAMIC WATER TANK TEST

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 (21) 2021101899

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 (21) 2021101898

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 (21) 2021101900

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 (21) 2021101904

(71) Sharma, N.; Srivastava, D.; Chakraborty, C.; Sinwar, D.; Tomar, R.; Virk, I.S.; Maakar, S.K.; Marwah, K.  
 (21) 2021101924 (22) 14.04.2021  
 (54) A Street and Parking Light Monitoring Through AI System

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 (21) 2021101930

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 (21) 2021101932

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 (21) 2021101958

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 (21) 2021101961

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 (21) 2021101852

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 (21) 2021101852

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 (21) 2021101913

(71) Sichuan Agricultural University; Sichuan Tobacco Corporation Guangyuan Branch; Sichuan Tobacco Corporation Panzhuhua Branch  
 (21) 2021101971 (22) 16.04.2021  
 (54) A kind of bio-organic fertilizer suitable for field tobacco and its preparation method

Sichuan Tobacco Corporation Guangyuan Branch see Sichuan Agricultural University  
 (21) 2021101971

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 (21) 2021101971

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 (21) 2021101923

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 (21) 2021101936

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 (21) 2021101957

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 (21) 2021101957

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 (21) 2021101960

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 (21) 2021101901

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 (21) 2021101959

(71) Southeast University  
 (21) 2021101912 (22) 14.04.2021

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(54) USE OF VITAMIN D-BINDING PROTEIN (VDBP) AS BIOMARKER IN DIAGNOSIS OF DEPRESSION

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(21) 2021101981

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(21) 2021101904

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(21) 2021101924

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(71) Synthon B.V.  
(21) 2021101977 (22) 16.04.2021  
(54) Crystalline forms and processes of lenvatinib besylate  
(62) 2019352722

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(21) 2021101923

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(21) 2021101931

(71) Taylor, A.  
(21) 2021101891 (22) 13.04.2021  
(54) A Wall Panel

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(21) 2021101964

(71) The Second Affiliated Hospital of Shandong First Medical University  
(21) 2021101967 (22) 16.04.2021  
(54) Traditional Chinese medicine composition for treating breast cancer and preparation method thereof

(71) The Second Affiliated Hospital of Soochow University  
(21) 2021101966 (22) 16.04.2021  
(54) Progranulin as biomarker in the preparation of diagnostic products for postmenopausal osteoporosis

(71) The Third Affiliated Hospital of Chongqing Medical University (General Hospital)  
(21) 2021101906 (22) 14.04.2021  
(54) Microfluidic Chip and Method for Separating Exosomes

(71) THOMAS, A.  
(21) 2021101829 (22) 08.04.2021

(54) ANTI V1 ANTIVIRAL SHOPPING CART HANDLES

Tiangong University see Ocean University of China  
(21) 2021101946

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(21) 2021101947

(71) Tianjin Research Institute for water transport engineering, Ministry of transport; Bureau of Hydrology, Changjiang Water Resources Commission  
(21) 2021101910 (22) 14.04.2021  
(54) Ecological silting-promoting, scouring erosion-preventing and beach-protecting structure

(71) Tianjin University of Science and Technology  
(21) 2021101911 (22) 14.04.2021  
(54) A Recombinant Strain of Synechocystis sp. PCC6803 Producing Alkaline Pectin Lyase and Construction Method Thereof

(71) Tianjin Waterway Engineering Survey and Design Institute Co. Ltd.  
(21) 2021101894 (22) 13.04.2021  
(54) ELECTRIC CONVEYING DEVICE FOR DATA PRINTING SLIPS OF DEPTH SOUNDER

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(21) 2021101924

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(21) 2021101930

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(71) V, T.K.G.; Gannavaram, V.C.S.; Gannavaram, V.P.; Angatha, V.V.S.; Merugu, S.; Sunkari, S.; Kandhikonda, U.M.; Ette, A.R.; Bejgam, R.; Keshipeddi, S.B.; Dunde, V.; Azmeera, S.; Gannavaram, S.  
(21) 2021101956 (22) 15.04.2021  
(54) IoT and Machine Learning based Power Generation from Sewage Water

(71) Varshney, A.; Sharma, V.; Arya, V.  
(21) 2021101898 (22) 13.04.2021  
(54) TRI-BLADE TABLE FAN SHAPED ULTRA WIDE BAND MICROSTRIP ANTENNA USING PARASITIC SRR TRIPLET

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(21) 2021101959

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(21) 2021101960

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(21) 2021101959

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(21) 2021101924

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(21) 2021101964

(71) Wenzhou Medical University  
(21) 2021101925 (22) 14.04.2021  
(54) Method for Constructing Brain machine interface Behavioral Model

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(21) 2021101941

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(21) 2021101948

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(21) 2021101944

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(21) 2021101920

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(21) 2021101922

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(21) 2021101935

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(21) 2021101939

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(21) 2021101944

**Wuhan Hanyang Municipal Construction Group CO.LTD see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101945

**Wuhan Hanyang Municipal Construction Group CO.LTD see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101949

**Wuhan Hanyang Municipal Construction Group CO.LTD see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.**  
(21) 2021101949

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; Nanyang Technological University, Singapore; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.  
(21) 2021101917 (22) 14.04.2021  
(54) Intelligent prediction and multi-objective optimization control method for ground settlement induced by subway tunnel construction

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; Guiyang Urban Rall Transit CO.,LTD; Wuhan Metro Group Co., Ltd.; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.  
(21) 2021101920 (22) 14.04.2021  
(54) Multi-objective intelligent optimization control method of shield construction parameters based on data mining

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; China Construc-

tion Third Engineering Bureau Co.,Ltd; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.

(21) 2021101922 (22) 14.04.2021  
(54) A machine-made sand green concrete and a preparation method thereof

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.  
(21) 2021101939 (22) 15.04.2021  
(54) A concrete durability surface protection intervention material and a preparation method thereof

**Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd see China Railway Tunnel Group Co.,Ltd**  
(21) 2021101941

**Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd see Guiyang Urban Rall Transit CO.,LTD**  
(21) 2021101951

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Wuhan Metro Group Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore  
(21) 2021101934 (22) 15.04.2021  
(54) Intelligent prediction of shield existing tunnels and multi objective optimization control method of construction parameters based on data drive

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.  
(21) 2021101935 (22) 15.04.2021  
(54) A method for intelligently and synergistically improving the durability of green concrete under complex environment

**Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd. see Wuhan Metro Group Co., Ltd.**  
(21) 2021101942

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Wuhan Metro Group Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd  
(21) 2021101943 (22) 15.04.2021  
(54) A construction control method for a subway shield to penetrate through existing buildings

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; China Construction Ready Mixed Concrete Co.Ltd.; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan CBD Urban Construction Development Co. Ltd  
(21) 2021101944 (22) 15.04.2021  
(54) A supporting and connecting device for prefabricated wall panel of prefabricated structure

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; CHINA RAILWAY 11 BUREAU GROUP CO.,LTD; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.  
(21) 2021101945 (22) 15.04.2021  
(54) A Construction Control Method for Shield Tunneling Through Existing Operating Lines

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; wuhan Institute of landscape architectural design CO. LTD; China Railway Tunnel Group Co.,Ltd; Wuhan Bishui Investment Operation Co., Ltd.  
(21) 2021101948 (22) 15.04.2021

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(54) A concrete durability detection method based on cloud model and D-S evidence theory

(71) Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Hanyang Municipal Construction Group CO.LTD; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; China Construction Ready Mixed Concrete Co.Ltd.; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.

(21) 2021101949 (22) 15.04.2021

(54) A Kind of Green High Performance Concrete

wuhan Institute of landscape architectural design CO. LTD see Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd  
(21) 2021101920

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(21) 2021101944

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(21) 2021101945

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(21) 2021101948

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(21) 2021101949

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(21) 2021101917

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(21) 2021101920

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(21) 2021101934

(71) Wuhan Metro Group Co., Ltd.; Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology

(21) 2021101942 (22) 15.04.2021

(54) A safety risk evaluation and control method for subway approaching excavation

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(21) 2021101943

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(21) 2021101939

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(21) 2021101944

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(21) 2021101949

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(21) 2021101917

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(21) 2021101945

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(21) 2021101949

(71) Xuzhou University of Technology; Jiangsu Palarich Food Co., Ltd.  
(21) 2021101970 (22) 16.04.2021  
(54) Instant Burdock Powder and Preparation Method Thereof

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(21) 2021101899

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(21) 2021101960

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(21) 2021101879

(71) Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton & Bast Fiber Crops Research); Institute of Subtropical Agriculture, Chinese Academy of Sciences  
(21) 2021101979 (22) 16.04.2021  
(54) PREPARATION AND USE OF SEEDLING-STRENGTHENING AGENT-ADDED FERTILIZER SOLUTION-IMPREGNATED BASE FABRIC FOR RICE MECHANICAL TRANSPLANTING AND SEEDLING RAISING IN TRAY

(71) ZHEJIANG PROVINCIAL PEOPLE'S HOSPITAL  
(21) 2021101907 (22) 14.04.2021  
(54) Microdialyzer and Dialysis Apparatus

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(21) 2021101968

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<b>2021101879</b>	Beaumont, G.; North, J.B.; Oates, R.K.; Robinson, D.A.; Yue Ching Hong, S.	<b>2021101925</b>	Wenzhou Medical University
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<b>2021101893</b>	Janardhana, K.; Kumar, T.; M, V.; P, P.; Rajeshwar Rao, K.; Iliyas, M.; Pratap Swain, M.; C, U.S.; Natarajan, Y.J.; A, M.	<b>2021101930</b>	Jain, E.; Sharma, N.; Maurya, A.; Tripathi, V.; Mathur, A.; Patni, B.
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<b>2021101897</b>	DIXIT, P.; PILLAI, B.; ARJARIA, A.; CHOURASIA, U.; CHOURASIA, K.	<b>2021101935</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.
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<b>2021101900</b>	Chowhan, S.S.; Jain, V.; Sijaria, R.; Kansal, A.; Goyal, R.; Agrawal, C.; Goyal, A.; Jain, V.; Badsara, S.T.; Kumar, A.; Sharma, P.; Garg, R.	<b>2021101939</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.
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<b>2021101904</b>	Haque, M.A.; Jaiswal, S.; S, P.; Balachander, B.; Kumar, T.C.A.; Ranjani, R.; Srilalitha, S.; Sharma, D.; D, M.; Ohmshankar, S.	<b>2021101943</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Wuhan Metro Group Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd
<b>2021101905</b>	Guang 'an People's Hospital	<b>2021101944</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; China Construction Ready Mixed Concrete Co.Ltd.; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; Wuhan Hanyang Municipal Construction Group CO.LTD; China Construction Ready Mixed Concrete Co.Ltd.
<b>2021101906</b>	The Third Affiliated Hospital of Chongqing Medical University (Gener Hospital)		
<b>2021101907</b>	ZHEJIANG PROVINCIAL PEOPLE'S HOSPITAL		
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<b>2021101910</b>	Tianjin Research Institute for water transport engineering, Ministry of transport; Bureau of Hydrology, Changjiang Water Resources Commission		
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<b>2021101914</b>	Institute of Grain Crops, Yunnan Academy of Agricultural Sciences; Institute of Quality Standards and Testing Technology, Yunnan Academy of Agricultural Sciences		
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<b>2021101917</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology; Nanyang Technological University, Singapore; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.		
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<b>2021101921</b>	Orr Connect Pty Ltd		

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<b>2021101945</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; CHINA RAILWAY 11 BUREAU GROUP CO.,LTD; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.	<b>2021101960</b>	Maduthuri, V.; Siva Prasad, V.V.; Niranjana Kumar, I.N.; Hadassah, T.; Satish Ben, B.; Avinash Ben, B.; Mohan, M.K.; Yeshwanth Kumar, P.; Hima Bindu, K.; Vikranth, M.
<b>2021101946</b>	Ocean University of China; Tiangong University; Qingdao University of Science & Technology	<b>2021101961</b>	Mohanty, I.; Maurya, R.; Gupta, S.; Setia, S.; Mehta, K.; Kumar, V.; Haldhar, R.; Bhatt, D.; Kumar, M.; Sheikh, T.H.; Sewal, N.; ., P.; Manoj, A.
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<b>2021101948</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; Nanyang Technological University, Singapore; wuhan Institute of landscape architectural design CO. LTD; China Railway Tunnel Group Co. ,Ltd; Wuhan Bishui Investment Operation Co., Ltd.	<b>2021101963</b>	Hebei Agricultural University; Institute Of Agricultural Resources And Environment Hebei Academy Of Agriculture And Forestry Sciences
<b>2021101949</b>	Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd.; Huazhong University of science and technology; China Construction Third Engineering Bureau Co.,Ltd; Wuhan Hanyang Municipal Construction Group CO.LTD; Nanyang Technological University, Singapore; Wuhan Municipal Engineering Quality Supervision Station; China Construction Ready Mixed Concrete Co.Ltd.; Wuhan Hanyang Municipal Construction Group CO.LTD; wuhan Institute of landscape architectural design CO. LTD; Wuhan Zhongcheng Industrial Development CO.,LTD.	<b>2021101964</b>	Paliwal, P.; Thakur, T.; Arya, A.; Warudkar, V.; Arya, M.; Bhagat, A.
<b>2021101950</b>	Shanghai Ocean University	<b>2021101965</b>	Institute of Lycium Barbarum Science, Ningxia Academy of Agricultural and Forestry Sciences
<b>2021101951</b>	Guiyang Urban Rall Transit CO.,LTD; Wuhan Huazhong University of science and Technology Testing Technology Co., Ltd; Huazhong University of science and technology	<b>2021101966</b>	The Second Affiliated Hospital of Soochow University
<b>2021101952</b>	School of Agriculture and Biology, Shanghai Jiao Tong University; Shanghai Fengni Pharmaceutical Technology Co., Ltd	<b>2021101967</b>	The Second Affiliated Hospital of Shandong First Medical University
<b>2021101953</b>	RESEARCH INSTITUTE OF HIGHWAY MINISTRY OF TRANSPORT	<b>2021101968</b>	Shang, X.; Zhu, X.
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		<b>2021101975</b>	Chongqing Vocational Institute of Engineering; Jiang, Y.X.
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		<b>2021101979</b>	Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton & Bast Fiber Crops Research); Institute of Subtropical Agriculture, Chinese Academy of Sciences
		<b>2021101980</b>	BFRE Pty Ltd
		<b>2021101981</b>	Saranya, N.; Chakrabarti, T.; Reddy, C.K.; Hati, A.S.; Anirudhan, B.; Hangaragi, S.S.; Prakash, K.B.; Sridharan, K.; Jaglan, V.; Mishra, R.; Chakrabarti, P.; Satyanarayana, B.
		<b>2021101986</b>	Acharya, B.; Nanda, I.; Makkar, S.; Khatua, L.; Imam, H.; Khan, N.R.; Barskar, R.; Mishra, D.B.; Das, P.; Jasmader, A.R.
		<b>2021101987</b>	Chandarana, N.

Applications with amended filing dates Reg 3.5(A).

2021201131 **CHAOS INNOVATIONS** The filing date has been amended to 02.03.2021

**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
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- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
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2003301453 ( 14 )		

**2004**

2004200047 ( 14 )	2004218640 ( 14 )	2004218642 ( 14 )
2004218703 ( 14 )	2004279398 ( 14 )	2004279433 ( 14 )
2004279474 ( 14 )	2004280115 ( 14 )	2004280253 ( 14 )
2004280263 ( 14 )	2004280412 ( 14 )	2004281011 ( 14 )
2004281682 ( 14 )	2004281694 ( 14 )	2004281707 ( 14 )
2004282149 ( 14 )	2004282525 ( 14 )	2004282865 ( 14 )
2004285424 ( 14 )	2004323810 ( 14 )	

**2005**

2005227377 ( 14 )	2005290511 ( 14 )	2005291098 ( 14 )
2005291471 ( 14 )	2005294209 ( 14 )	2005294233 ( 14 )
2005294241 ( 14 )	2005294298 ( 14 )	2005294554 ( 14 )
2005295010 ( 14 )	2005296007 ( 14 )	2005297588 ( 14 )
2005299976 ( 14 )	2005301175 ( 14 )	2005309142 ( 14 )

**2006**

2006200194 ( 14 )	2006202338 ( 14 )	2006215994 ( 14 )
2006220426 ( 14 )	2006246450 ( 14 )	2006298048 ( 14 )
2006298961 ( 14 )	2006298964 ( 14 )	2006300075 ( 14 )
2006301007 ( 14 )	2006301262 ( 14 )	2006302049 ( 14 )
2006302331 ( 14 )	2006304341 ( 14 )	2006306950 ( 14 )
2006327196 ( 14 )	2006333562 ( 14 )	2006337094 ( 14 )
2006349072 ( 14 )		

**2007**

2007200448 ( 14 )	2007200683 ( 14 )	2007202886 ( 14 )
2007203510 ( 14 )	2007203540 ( 14 )	2007211861 ( 14 )
2007221787 ( 14 )	2007221819 ( 14 )	2007231846 ( 14 )
2007302890 ( 14 )	2007305640 ( 14 )	2007306102 ( 14 )
2007306319 ( 14 )	2007307596 ( 14 )	2007307625 ( 14 )
2007308132 ( 14 )	2007311230 ( 14 )	2007315541 ( 14 )
2007317650 ( 14 )	2007347668 ( 14 )	2007349204 ( 14 )

**2008**

2008201994 ( 14 )	2008202195 ( 14 )	2008202223 ( 14 )
2008202224 ( 14 )	2008229765 ( 14 )	2008229779 ( 14 )
2008229795 ( 14 )	2008229906 ( 14 )	2008255131 ( 14 )
2008261114 ( 14 )	2008309931 ( 14 )	2008310793 ( 14 )
2008310796 ( 14 )	2008310855 ( 14 )	2008310869 ( 14 )
2008311252 ( 14 )	2008311292 ( 14 )	2008311363 ( 14 )
2008311402 ( 14 )	2008311535 ( 14 )	2008315781 ( 14 )
2008315842 ( 14 )	2008316289 ( 14 )	

**2009**

2009200156 ( 14 )	2009200988 ( 14 )	2009202456 ( 14 )
2009222586 ( 14 )	2009222619 ( 14 )	2009222620 ( 14 )
2009225380 ( 14 )	2009225381 ( 14 )	2009251199 ( 14 )
2009298131 ( 14 )	2009299748 ( 14 )	2009299811 ( 14 )
2009300443 ( 14 )	2009301109 ( 14 )	2009301125 ( 14 )
2009301431 ( 14 )	2009301632 ( 14 )	2009301641 ( 14 )
2009302084 ( 14 )	2009302167 ( 14 )	2009302171 ( 14 )
2009302210 ( 14 )	2009302385 ( 14 )	2009302583 ( 14 )
2009302804 ( 14 )	2009303318 ( 14 )	2009304307 ( 14 )

2009304764 ( 14 )	2009305199 ( 14 )		2014332221 ( 14 )	2014332250 ( 14 )	2014332694 ( 14 )
<b>2010</b>			2014333979 ( 14 )	2014333993 ( 14 )	2014334138 ( 14 )
2010212403 ( 14 )	2010226955 ( 14 )	2010226976 ( 14 )	2014334291 ( 14 )	2014334506 ( 14 )	2014334749 ( 14 )
2010227005 ( 14 )	2010257213 ( 14 )	2010303211 ( 14 )	2014335014 ( 14 )	2014335625 ( 14 )	2014335680 ( 4C )
2010303385 ( 14 )	2010303390 ( 14 )	2010303399 ( 14 )	2014339347 ( 14 )	2014340564 ( 14 )	2014342859 ( 14 )
2010303708 ( 14 )	2010303710 ( 14 )	2010303713 ( 14 )	2014371774 ( 14 )	2014373826 ( 5C )	2014378796 ( 14 )
2010303722 ( 14 )	2010304666 ( 14 )	2010305037 ( 14 )	2014407474 ( 14 )	2014408269 ( 4C )	2014408488 ( 14 )
2010305326 ( 14 )	2010305375 ( 14 )	2010305408 ( 14 )	2014408631 ( 4C )		
2010306204 ( 14 )	2010307075 ( 14 )	2010307095 ( 14 )	<b>2015</b>		
2010307987 ( 14 )	2010308351 ( 14 )	2010308353 ( 14 )	2015101052 ( 22 )	2015101449 ( 22E )	2015200311 ( 14 )
2010308437 ( 14 )	2010317646 ( 14 )	2010318562 ( 14 )	2015201050 ( 14 )	2015202653 ( 14 )	2015202770 ( 14 )
2010332260 ( 14 )	2010332264 ( 14 )	2010347838 ( 14 )	2015227475 ( 14 )	2015234302 ( 14 )	2015234383 ( 14 )
2010350801 ( 14 )			2015238802 ( 14 )	2015238883 ( 14 )	2015251350 ( 5C )
<b>2011</b>			2015258304 ( 14 )	2015264856 ( 14 )	2015268697 ( 5C )
2011200925 ( 14 )	2011202251 ( 14 )	2011311434 ( 14 )	2015289524 ( 5C )	2015309697 ( 5C )	2015311725 ( 5C )
2011311557 ( 14 )	2011313001 ( 14 )	2011313023 ( 14 )	2015314408 ( 5C )	2015315482 ( 5C )	2015326756 ( 4C )
2011313172 ( 14 )	2011313927 ( 14 )	2011315712 ( 14 )	2015327681 ( 4C )	2015327771 ( 4C )	2015327781 ( 4C )
2011316586 ( 14 )	2011316659 ( 14 )	2011316677 ( 14 )	2015328204 ( 14 )	2015328337 ( 14 )	2015328363 ( 14 )
2011316737 ( 14 )	2011318397 ( 14 )	2011318406 ( 14 )	2015328376 ( 4C )	2015329729 ( 14 )	2015329977 ( 14 )
2011372144 ( 14 )	2011378443 ( 14 )	2011378454 ( 14 )	2015330003 ( 4C )	2015330017 ( 4C )	2015330087 ( 4C )
2011385380 ( 14 )			2015330672 ( 14 )	2015330732 ( 4C )	2015332951 ( 14 )
			2015333581 ( 5C )	2015333868 ( 14 )	2015333921 ( 14 )
<b>2012</b>			2015333922 ( 14 )	2015333924 ( 14 )	2015351677 ( 14 )
2012200223 ( 14 )	2012203057 ( 14 )	2012227243 ( 14 )	2015374153 ( 5C )	2015386663 ( 5C )	2015387962 ( 5C )
2012233035 ( 14 )	2012238218 ( 14 )	2012238219 ( 14 )	2015411350 ( 14 )		
2012238262 ( 14 )	2012238267 ( 14 )	2012238268 ( 14 )	<b>2016</b>		
2012254945 ( 14 )	2012318335 ( 14 )	2012318521 ( 14 )	2016100032 ( 22 )	2016101762 ( 22E )	2016202819 ( 5C )
2012318527 ( 14 )	2012318531 ( 14 )	2012318588 ( 14 )	2016208344 ( 5C )	2016216545 ( 14 )	2016235032 ( 4B )
2012319844 ( 14 )	2012319846 ( 14 )	2012319958 ( 14 )	2016235042 ( 4A )	2016238856 ( 4B )	2016238878 ( 14 )
2012320088 ( 14 )	2012320142 ( 14 )	2012320439 ( 14 )	2016238885 ( 5C )	2016238916 ( 4A )	2016238974 ( 4A )
2012320496 ( 14 )	2012320505 ( 14 )	2012320554 ( 14 )	2016275331 ( 5C )	2016294602 ( 5C )	2016298076 ( 5C )
2012320582 ( 14 )	2012320598 ( 14 )	2012320787 ( 14 )	2016320818 ( 25D )	2016323297 ( 5C )	2016333787 ( 4C )
2012320788 ( 14 )	2012320835 ( 14 )	2012322361 ( 14 )	2016333810 ( 14 )	2016333860 ( 14 )	2016333878 ( 4C )
2012323079 ( 14 )	2012323083 ( 14 )	2012323084 ( 14 )	2016333987 ( 4C )	2016334640 ( 4C )	2016334776 ( 4C )
2012323094 ( 14 )	2012323095 ( 14 )	2012323096 ( 14 )	2016334796 ( 14 )	2016334799 ( 4C )	2016334876 ( 4B )
2012323393 ( 14 )	2012323398 ( 14 )	2012323418 ( 14 )	2016334880 ( 4C )	2016335362 ( 4C )	2016335465 ( 4C )
2012331416 ( 14 )	2012333901 ( 14 )	2012334330 ( 14 )	2016336175 ( 4C )	2016336428 ( 4C )	2016336463 ( 4C )
2012337285 ( 14 )	2012346468 ( 14 )	2012364221 ( 14 )	2016336776 ( 4C )	2016336777 ( 4C )	2016337355 ( 14 )
2012391485 ( 14 )	2012391506 ( 14 )	2012391760 ( 14 )	2016338639 ( 4C )	2016344415 ( 14 )	2016346047 ( 14 )
2012391814 ( 14 )			2016346797 ( 14 )	2016346798 ( 14 )	2016349197 ( 5C )
<b>2013</b>			2016351724 ( 5C )	2016357315 ( 5C )	2016369222 ( 5C )
2013100503 ( 22 )	2013100511 ( 22 )	2013100521 ( 22 )	2016370121 ( 4B )	2016380914 ( 25D )	2016411667 ( 4B )
2013100526 ( 22 )	2013100529 ( 22 )	2013100545 ( 22G )	2016425662 ( 4A )	2016425663 ( 4A )	2016425805 ( 4A )
2013101324 ( 22G )	2013101650 ( 22 )	2013101670 ( 22 )	2016425819 ( 4A )	2016425821 ( 4A )	
2013101772 ( 22 )	2013200599 ( 14 )	2013200600 ( 14 )	<b>2017</b>		
2013200601 ( 14 )	2013200607 ( 14 )	2013201420 ( 14 )	2017101333 ( 22G )	2017101336 ( 22E )	2017204785 ( 5C )
2013202727 ( 14 )	2013202734 ( 14 )	2013202736 ( 14 )	2017213591 ( 14 )	2017254840 ( 5C )	2017334696 ( 5C )
2013202737 ( 14 )	2013237677 ( 14 )	2013237700 ( 14 )	2017375791 ( 5C )	2017390523 ( 5C )	2017403852 ( 5C )
2013237713 ( 14 )	2013237735 ( 14 )	2013237754 ( 14 )	<b>2018</b>		
2013242786 ( 14 )	2013242796 ( 14 )	2013251254 ( 14 )	2018100203 ( 22 )	2018101193 ( 21F )	2018101474 ( 22E )
2013260669 ( 14 )	2013325379 ( 14 )	2013326085 ( 14 )	2018101476 ( 22G )	2018101487 ( 22E )	2018101492 ( 22E )
2013326086 ( 14 )	2013326843 ( 14 )	2013326881 ( 14 )	2018101494 ( 22E )	2018101495 ( 22E )	2018201315 ( 4D )
2013326885 ( 14 )	2013327128 ( 14 )	2013327392 ( 14 )	2018210560 ( 5C )	2018211340 ( 5C )	2018217266 ( 5C )
2013328266 ( 14 )	2013328280 ( 14 )	2013328675 ( 14 )	2018231673 ( 5C )	2018234035 ( 5C )	2018256510 ( 4C )
2013328753 ( 14 )	2013329296 ( 14 )	2013329445 ( 14 )	2018260806 ( 4C )	2018263979 ( 5C )	2018264006 ( 4C )
2013329535 ( 14 )	2013331733 ( 14 )	2013332324 ( 14 )	2018268972 ( 25D )	2018278003 ( 5C )	
2013335118 ( 14 )	2013336290 ( 14 )	2013337091 ( 14 )	<b>2019</b>		
2013402219 ( 14 )	2013402234 ( 14 )	2013402479 ( 14 )	2019100006 ( 22 )	2019200284 ( 5C )	2019200378 ( 4C )
2013402485 ( 14 )	2013402492 ( 14 )	2013402493 ( 14 )	2019200765 ( 5C )	2019201092 ( 5C )	2019201174 ( 5C )
2013402496 ( 14 )			2019201377 ( 4C )	2019201487 ( 4C )	2019201557 ( 5C )
<b>2014</b>			2019201671 ( 5C )	2019202555 ( 5C )	2019202649 ( 5C )
2014101228 ( 22E )	2014101655 ( 22E )	2014202357 ( 14 )	2019203374 ( 4C )	2019203701 ( 5C )	2019203761 ( 5C )
2014202358 ( 14 )	2014202362 ( 14 )	2014240308 ( 14 )	2019203904 ( 4C )	2019204040 ( 5C )	2019204249 ( 4C )
2014240323 ( 14 )	2014278178 ( 12D )	2014329396 ( 14 )	2019204255 ( 5C )	2019204276 ( 4C )	2019204335 ( 5C )
2014329517 ( 14 )	2014329519 ( 14 )	2014329590 ( 14 )	2019204512 ( 5C )	2019205012 ( 5C )	2019206090 ( 5C )
2014330888 ( 14 )	2014330942 ( 5C )	2014331605 ( 4C )	2019208183 ( 25D )	2019216585 ( 5C )	2019222794 ( 4C )
2014331628 ( 14 )	2014331826 ( 14 )	2014331868 ( 14 )	2019235682 ( 5C )	2019240655 ( 4C )	2019250181 ( 5C )
2014331880 ( 14 )	2014331896 ( 14 )	2014331925 ( 14 )			



2019250235 ( 5C )

**2020**

2020200611 ( 5C ) 2020202550 ( 16D ) 2020203965 ( 12C )  
2020901585 ( 12AN ) 2020901587 ( 12AN ) 2020903458 ( 12AN )  
2020903459 ( 12AN )

**2021**

2021100402 ( 18AN ) 2021100405 ( 18AN ) 2021100606 ( 18AN )  
2021101518 ( 12AN ) 2021200131 ( 1B ) 2021200307 ( 1B )

**Assignments before Grant, Section 113**

**2015**

2015308341 Promethera Biosciences S.A./N.V. The application has been assigned to **Promethera Therapeutics SA; Promethera Biosciences S.A./N.V.**

2015327893 Digirettes, Inc. The application has been assigned to **Best Rider Global Limited**

**2016**

2016252555 Rempex Pharmaceuticals, Inc. The application has been assigned to **Melinta Therapeutics, Inc.**

2016277469 Københavns Universitet; Danmarks Tekniske Universitet The application has been assigned to **Chr. Hansen Natural Colors A/S; Danmarks Tekniske Universitet; Københavns Universitet**

2016281650 Minute Key Inc. The application has been assigned to **The Hillman Group, Inc.**

2016353905 Briggs & Stratton Corporation The application has been assigned to **Briggs & Stratton, LLC**

2016362394 Shanghai Aeon Biotech Co., Ltd. The application has been assigned to **Zhejiang Jianfeng-Yien Biotechnology Co., Ltd.**

2016365729 Datica Inc. The application has been assigned to **InterOperability Bidco, Inc (dba Lyniate)**

2016367094 Varentec, Inc. The application has been assigned to **Sentient Energy Technology, LLC**

**2017**

2017263660 Matthews Resources, Inc. The application has been assigned to **Matthews International Corporation**

2017281038 Radius Pharmaceuticals, Inc. The application has been assigned to **Ellipses Pharma Ltd**

2017307329 Centre National de la Recherche Scientifique; Galderma Research & Development The application has been assigned to **Centre National de la Recherche Scientifique**

2017367062 Briggs & Stratton Corporation The application has been assigned to **Briggs & Stratton, LLC**

**2018**

2018214222 Acticor Biotech; Université Paris XIII; Université Paris Diderot - Paris 7; Université Paris-Sud 11; INSERM (Institut National de la Santé et de la Recherche Médicale) The application has been as-

**Assignments before Grant, Section 113**

signed to **Université de Paris; Université Paris-Saclay; Acticor Biotech; Université Paris XIII; INSERM (Institut National de la Santé et de la Recherche Médicale)**

2018253565 SIVACOE, Orlande The application has been assigned to **Sivacoe, Luisa**

2018302103 Willey, Andrea The application has been assigned to **DUSA Pharmaceuticals, Inc.**

2018358049 ModernaTX, Inc. The application has been assigned to **ASTRAZENECA AB**

2018360622 Whelin, Chris The application has been assigned to **Noble House Group Pty. Ltd.**

2018390132 hVIVO Services Limited The application has been assigned to **Orph Pharma IP Company**

**2020**

2020230267 Matthews Resources, Inc. The application has been assigned to **Matthews International Corporation**

**2021**

2021101235 Wu Xi Galaxis Technology Company Limited The application has been assigned to **Zhejiang Galaxy Technology Company Limited; Wu Xi Galaxis Technology Company Limited**

2021101280 Wu Xi Galaxis Technology Company Limited The application has been assigned to **Zhejiang Galaxy Technology Company Limited; Wu Xi Galaxis Technology Company Limited**

2021201557 Centre National de la Recherche Scientifique; Galderma Research & Development The application has been assigned to **Centre National de la Recherche Scientifique**

**Extensions of Time, Section 223**

**Applications Received**

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

**2011**

2011226976 **DMS Composites Pty Ltd** An application to extend the time from 30 Sep 2020 to 30 Apr 2021 in which to pay a renewal fee has been filed . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

**2016**

2016253657 **Pargoe, B.** An application to extend the time from 15 Nov 2020 to 15 Apr 2021 in which to request examination has been filed . Address for service - WADESON L 27 101 Collins St Melbourne VIC 3000 AU

**2018**

2018201241 **AADIGEN, LLC** An application to extend the time from 14 May 2020 to 14 Apr 2021 in which to pay a renewal fee has been

**Extensions of Time, Section 223**

filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park  
201 Sussex St Sydney NSW 2000 AU

**Applications Allowed - Section 223(2)****2009**

2009202259 **HSEM Management Pty Ltd** The time in which to pay the renewal fee has been extended to 05 Feb 2021 . Address for service - McMahon & Gordon SE 306 Fayworth House 379 - 383 Pitt ST Sydney NSW 2000 AU

2009264496 **Wang, G.** The time in which to pay the renewal fee has been extended to 04 Jan 2021 . Address for service - McMahon & Gordon Suite 306 Fayworth House 379 - 383 Pitt Street Sydney NSW 2000 AU

**2012**

2012250489 **Cocky Smart Pty Ltd** The time in which to pay a renewal fee has been extended to 02 Dec 2020 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

2012250490 **Cocky Smart Pty Ltd** The time in which to pay a renewal fee has been extended to 02 Dec 2020 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

**2016**

2016274851 **Tsuda, M.** The time in which to pay the renewal fee has been extended to 03 Jan 2021 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

**2017**

2017315687 **Kittrich Corporation; Iowa State University Research Foundation, Inc.** The time in which to enter the national phase has been extended to 23 Nov 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019101092 **EGAN, M.** The time in which to pay the renewal fee has been extended to 19 Sep 2020 . Address for service - Baxter Patent Attorneys Pty Ltd Suite 2, Level 3A 1 Bligh Street Sydney NSW 2000 AU

2019341014 **JOINT STOCK COMPANY "BIOCAD"** The time in which to enter the National Phase has been extended to 14 May 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

**2020**

2020200073 **Intuit, Inc.** The time in which to pay a continuation fee has been extended to 30 Nov 2020 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2021**

2021200131 **Advanced New Technologies Co., Ltd.** The time in which to request examination has been extended to 09 May 2021 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 SYDNEY NSW 2001 AU

**Amendments****Applications for Amendment****Amendments**

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

**2012**

2012211497 Immunoglobulin frameworks which demonstrate enhanced stability in the intracellular environment and methods of identifying same **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 08 May 2020 . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

**2016**

2016246146 System and method for irreversible electroporation with thermally controlled electrodes **AngioDynamics, Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016331159 Method and system for assigning tasks to mining and/or construction machines **Epiroc Rock Drills Aktiebolag** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2017**

2017225161 USE OF CHIMERIC ANTIGEN RECEPTOR-MODIFIED T CELLS TO TREAT CANCER **The Trustees of the University of Pennsylvania** The nature of the amendment is as shown in the statement(s) filed 24 Mar 2021 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2017254090 Systems and methods for reducing stress **VMAS Solutions, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2021 . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

2017283136 [1,2,3]triazolo[4,5-d]pyrimidine derivatives with affinity for the type-2 cannabinoid receptor **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement(s) filed 14 Apr 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018313441 Outdoor unit for refrigeration apparatus **Daikin Industries, Ltd.** The nature of the amendment is as shown in the statement(s) filed 30 Mar 2021 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**Amendments Made****2014**

2014368449 **Intervet International B.V.** The nature of the amendment is as shown in the statement filed 01 Feb 2021

**Amendments**

**2015**

2015207351 **The University Court of The University of Glasgow** The nature of the amendment is as shown in the statement filed 22 Jan 2021

2015278829 **Sanofi** The nature of the amendment is: Amend the name of the inventor to read ESPERET, Corinne; JAGERSCHMIDT, Alexandre; SOUBRANE, Christina and SUBRAMANIAM, Arun

2015299055 **Ascendis Pharma A/S** The nature of the amendment is as shown in the statement filed 01 Feb 2021

**2016**

2016250576 **Geron Corporation** The nature of the amendment is as shown in the statement filed 21 Jan 2021

2016283500 **Oldcastle Architectural, Inc.** The nature of the amendment is as shown in the statement filed 07 Jan 2021

**2017**

2017278022 **Synovo GmbH** The nature of the amendment is: Amend the priority details to read 62/315,546 30 Mar 2016 US

2017279797 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 21 Jan 2021

2017289294 **Air Diffusion Agencies Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Threadgold, William Trevor

2017307582 **Baxalta Incorporated; Baxalta GmbH** The nature of the amendment is as shown in the statement filed 28 Jan 2021

2017354086 **Friedrich Miescher Institute for Biomedical Research** The nature of the amendment is as shown in the statement filed 27 Jan 2021

2017399714 **Axon Enterprise, Inc.** The nature of the amendment is: Amend the name of the inventor to read Wagner, Daniel Joseph; Shekarri, Nache D.; Soper, William James; Hatcher, Jonathan R.; Kraft, Lucas; Piquette, Brian; Williams, Zachary; Covey, Jason; Weber, Elliot; Haensly, Jason; Terajewicz, Andrew G. and Wilson, John W.

2017430443 **Google LLC** The nature of the amendment is as shown in the statement filed 28 Jan 2021

**2018**

2018201402 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 22 Jan 2021

2018212438 **UCB Biopharma SRL** The nature of the amendment is as shown in the statement filed 29 Jan 2021

2018251522 **CJ Cheiljedang Corporation** The nature of the amendment is: Amend the name of the inventor to read Kim, Ji Eun; Lee, Chang Suk; Moon, Jun Ok; Yang, Young Lyeol; Oh, Chang Yub; Roh, Hang Duk; Sim, Do Yong; Cho, Kwang Myung; Choi, Jin Woo; Kim, Hyun Joong and Back, Jong Ho

**Amendments**

2018280272 **Inventprise, LLC** The nature of the amendment is as shown in the statement filed 14 Jan 2021

2018312763 **LG Electronics Inc.** The nature of the amendment is: Amend the name of the inventor to read JANG, Jaehyuk; HONG, Sangwook; NOH, Hyunwoo; KIM, Changoh and KIM, Woo Re

2018323458 **Advanced New Technologies Co., Ltd.** The nature of the amendment is as shown in the statement filed 29 Jan 2021

**2019**

2019209219 **BASF SE** The nature of the amendment is: Amend the name of the inventor to read LYON, Matthew Gerard; RANDOLPH, John Andrew; CAPRACOTTA, Michael and BORST, Joseph P

2019272053 **CA Casyso GmbH** The nature of the amendment is as shown in the statement filed 28 Jan 2021

2019291739 **S.P. Textile Processors Pvt. Ltd.** The nature of the amendment is as shown in the statement filed 17 Dec 2020

2019327288 **LG Electronics Inc.** The nature of the amendment is: Amend the invention title to read Washing machine

2019329105 **JFE Steel Corporation** The nature of the amendment is: Amend the invention title to read Duplex Stainless Steel Seamless Pipe and Method for Manufacturing Same

2019329626 **LG Electronics Inc.** The nature of the amendment is: Amend the invention title to read Washing machine

2019331351 **LG Electronics Inc.** The nature of the amendment is: Amend the invention title to read Washing machine and control method therefor

2019333020 **Cellix Bio Private Limited** The nature of the amendment is as shown in the statement filed 22 Mar 2021

2019347423 **Kabushiki Kaisha Yakult Honsha** The nature of the amendment is: Amend the invention title to read METHOD FOR PRODUCING SKIM MILK POWDER

2019347974 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read COMMUNICATION METHOD, APPARATUS, AND STORAGE MEDIUM

2019348752 **Nanjing Transthera Biosciences Co., Ltd.** The nature of the amendment is: Amend the invention title to read Aminonorbornane derivative and manufacture method therefor and use thereof

2019349421 **Schlumberger Technology B.V.** The nature of the amendment is as shown in the statement filed 25 Mar 2021

2019376347 **China University of Mining and Technology** The nature of the amendment is: Amend the invention title to read A METHOD FOR COAL MINING BASED ON FROZEN AQUIFER FOR UNDERGROUND LONGWALL FACE UNDER WATER-CONSERVATION CONDITION

**Amendments****2020**

2020102255 **Jiangxi University of Science and Technology; New Yuwei Forging Co. LTD** The nature of the amendment is as shown in the statement filed 17 Nov 2020

2020294290 **Helix Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read YAGUCHI, Hirofumi

**2021**

2021201290 **Hubbell Incorporated** The nature of the amendment is as shown in the statement filed 24 Mar 2021

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2014**

2014261434 Agrosavfe N.V. The name of the applicant has been altered to **Biotalys NV**

2014273418 Agrosavfe N.V. The name of the applicant has been altered to **Biotalys NV**

**2016**

2016309815 QR Pharma The name of the applicant has been altered to **Annovis Bio, Inc.**

**2017**

2017271255 Integra LifeSciences Enterprises, LLP The name of the applicant has been altered to **Integra LifeSciences Enterprises, LLLP**

**2018**

2018101615 Bodyguard Technologies IP Pty Ltd. The name of the patentee has been altered to **Duress IP Pty Ltd**

2018214650 Alize Pharma III SAS The name of the applicant has been altered to **Amolyt Pharma**

**2019**

2019325411 The United State Government as represented by the Department of Veterans Affairs ; Case Western Reserve University The name of the applicant has been altered to **THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS; Case Western Reserve University**

2019346403 Biovaxys LLC The name of the applicant has been altered to **BioVaxys Inc.**

2019350886 Strong Products Group, Ltd. d/b/a Connectrac The name of the applicant has been altered to **Legrand Connectrac, LLC**

**2020**

2020103180 JSTI Groups; Nanjing Tech University; Nanjing City The name of the patentee has been altered to **JSTI Groups; Nanjing Tech University; Jiangsu Xiandai Road&Bridge Co.Ltd**

**Amendments****2021**

2021201943 P115930.AU The name of the applicant has been altered to **Snap-on Incorporated**

2021901038 gTET The name of the applicant has been altered to **TORC Clean Energy Pty Ltd**

Applications Open to Public Inspection

Name Index

- . (\*) Title not in Roman characters
- . (\*\*) Title not given

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(71) 7 Hills Pharma LLC  
 (11) AU-A-2021202260  
 (21) 2021202260 (22) 14.04.2021  
 (54) Compositions and methods to improve adoptive cell therapies  
 (51) Int. Cl.  
**A61K 31/36** ( 2006.01 )  
**A61K 31/16** ( 2006.01 )  
**A61K 31/17** ( 2006.01 )  
**A61K 31/38** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2015284263  
 (72) Marathi, Upendra K.  
 (74) FB Rice Pty Ltd

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**8 Rivers Capital, LLC see Palmer Labs, LLC**  
 (21) 2021202130

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(71) Absolute Graphic Technologies USA, Inc.  
 (11) AU-A-2021202151  
 (21) 2021202151 (22) 08.04.2021  
 (54) TREATING WATER  
 (51) Int. Cl.  
**C02F 9/06** ( 2006.01 )  
**B01D 17/02** ( 2006.01 )  
**B01D 35/02** ( 2006.01 )  
**C02F 1/24** ( 2006.01 )  
**C02F 1/463** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2015374153  
 (72) Enggram, Paul  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) AgBiome, Inc.  
 (11) AU-A-2021202218  
 (21) 2021202218 (22) 13.04.2021  
 (54) Pesticidal genes and methods of use  
 (51) Int. Cl.  
**C07K 14/32** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016283985  
 (72) Parks, Jessica; Roberts, Kira Bulazel; Thayer, Rebecca E.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Alarm.com Incorporated  
 (11) AU-A-2021202129  
 (21) 2021202129 (22) 07.04.2021  
 (54) VIRTUAL ENHANCEMENT OF SECURITY MONITORING  
 (51) Int. Cl.  
**G06K 9/00** ( 2006.01 )

**G09G 5/00** ( 2006.01 )  
**H04N 5/225** ( 2006.01 )  
**H04N 7/14** ( 2006.01 )  
**H04N 7/18** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016228525  
 (72) Kerzner, David  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021202225  
 (21) 2021202225 (22) 13.04.2021  
 (54) Electronic device for digital object management  
 (51) Int. Cl.  
**G06F 19/00** ( 2018.01 )  
 (43) 06.05.2021  
 (62) 2019264623  
 (72) MATAS, Michael; CHRISTIE, Greg; MARCOS, Paul D.; FORSTALL, Scott; VAN OS, Marcel; ORDING, Bas; CHAUDHRI, Imran  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021202254  
 (21) 2021202254 (22) 14.04.2021  
 (54) Avatar navigation, library, editing and creation user interface  
 (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**A63F 13/63** ( 2014.01 )  
**G06F 3/0488** ( 2013.01 )  
**G06K 9/00** ( 2006.01 )  
**G06T 11/60** ( 2006.01 )  
**G06T 13/40** ( 2011.01 )  
**H04M 1/725** ( 2021.01 )  
 (43) 06.05.2021  
 (62) 2019265357  
 (72) SCAPEL, Nicolas; FORSELL, Lisa K.; GARCIA III, Robert; GUZMAN, Aurelio; VAN OS, Marcel; BARLIER, Guillaume Pierre Andre; BEHZADI, Arian; DYE, Alan C.; GARDNER, JD; RICKWALD, Jason; ROMNEY, Christopher James; WILSON, Christopher; YERKES, Giancarlo  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021202255  
 (21) 2021202255 (22) 14.04.2021  
 (54) Voice trigger for a digital assistant  
 (51) Int. Cl.  
**G10L 17/24** ( 2013.01 )  
**G06F 3/16** ( 2006.01 )

(43) 06.05.2021  
 (62) 2019204501  
 (72) BINDER, Justin G.; TACKIN, Onur; POST, Samuel D.; GRUBER, Thomas R.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Architectural Window Systems Pty Ltd  
 (11) AU-A-2020257121  
 (21) 2020257121 (22) 22.10.2020  
 (54) A glazing assembly  
 (51) Int. Cl.  
**E06B 3/28** ( 2006.01 )  
**E06B 1/04** ( 2006.01 )  
**E06B 1/40** ( 2006.01 )  
**E06B 1/52** ( 2006.01 )  
**E06B 1/70** ( 2006.01 )  
**E06B 3/26** ( 2006.01 )  
**E06B 3/46** ( 2006.01 )  
 (31) 2019903973 (32) 22.10.19 (33) AU  
 (43) 06.05.2021  
 (72) McCleary, Mark  
 (74) Spruson & Ferguson

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2020239808  
 (21) 2020239808 (22) 25.09.2020  
 (54) VISUAL METER PROGRESSION ON SYMBOL  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
 (31) 16/857,054 (32) 23.04.20 (33) US  
 62/923,264 18.10.19 US  
 (43) 06.05.2021  
 (72) MIZZI, Jennifer; CHING, Erick; WASIELEWSKI, Peter; LIN, Tsung-Cheng  
 (74) Griffith Hack

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(71) Arthrex, Inc.  
 (11) AU-A-2020250257  
 (21) 2020250257 (22) 08.10.2020  
 (54) Graft preparation system  
 (51) Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61F 2/02** ( 2006.01 )  
 (31) 16/654,601 (32) 16.10.19 (33) US  
 (43) 06.05.2021  
 (72) XEROGEANES, John; JACKSON, Jeffrey; JOLLY, Jacob; BOYLE, Justin; INGWER, Zachary; SAETEURN, Lai  
 (74) Spruson & Ferguson

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(71) Austin Engineering Limited  
 (11) AU-A-2019253774  
 (21) 2019253774 (22) 21.10.2019  
 (54) IMPROVEMENTS TO TRUCK BODIES  
 (51) Int. Cl.  
**B60P 1/28** ( 2006.01 )

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(43) 06.05.2021  
 (72) HALL, Jamie Vincent Clarke; GREE-SHAW, Lyndon Brian  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) BASF Agro B.V.  
 (11) AU-A-2021202102  
 (21) 2021202102 (22) 06.04.2021  
 (54) Plants having increased tolerance to herbicides

(51) Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
**A01N 63/00** ( 2020.01 )  
 (43) 06.05.2021  
 (62) 2014369229  
 (72) APONTE, Raphael; TRESCH, Stefan; WITSCHHEL, Matthias; LERCHL, Jens; MASSA, Dario; SEISER, Tobias; MIETZNER, Thomas; PAULIK, Jill Marie; BROMMER, Chad  
 (74) Griffith Hack

(71) BASF SE  
 (11) AU-A-2021202206  
 (21) 2021202206 (22) 12.04.2021  
 (54) Flame retardant polyolefin articles  
 (51) Int. Cl.

**C08K 5/00** ( 2006.01 )  
**C08K 5/3435** ( 2006.01 )  
**C08K 5/3492** ( 2006.01 )  
**C08K 5/5357** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016294860  
 (72) LIPS, Gerard; MUELLER, Daniel; THOMPSON, Thomas Friend; ANDREWS, Stephen Mark  
 (74) Griffith Hack

(71) Baxter Corporation Englewood  
 (11) AU-A-2021202250  
 (21) 2021202250 (22) 14.04.2021  
 (54) AUTOMATED EXCHANGE OF HEALTHCARE INFORMATION FOR FULFILLMENT OF MEDICATION DOSES

(51) Int. Cl.  
**G16H 10/60** ( 2018.01 )  
**G06Q 50/22** ( 2018.01 )  
 (43) 06.05.2021  
 (62) 2015335629  
 (72) PADMANI, Bhavesh S.; OLSEN, Gregory T.; ABBASI, Ghalib A.; DOOLEY, Cherie; LEECH, Douglas; ARMSTRONG, Cory D.; WHITE, Russell  
 (74) K&L Gates

(71) Baxter Healthcare SA; Baxter International Inc  
 (11) AU-A-2021202246  
 (21) 2021202246 (22) 14.04.2021  
 (54) CONTROL OF A WATER DEVICE VIA A DIALYSIS MACHINE USER INTERFACE  
 (51) Int. Cl.

**A61M 1/14** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2020204015  
 (72) ROHDE, Justin B.  
 (74) K&L Gates

**Baxter International Inc see Baxter Healthcare SA**  
 (21) 2021202246

(71) Becton, Dickinson and Company  
 (11) AU-A-2021202117  
 (21) 2021202117 (22) 07.04.2021  
 (54) Method of sample preparation for MalDI and automated system therefor

(51) Int. Cl.  
**G01N 1/28** ( 2006.01 )  
**G01N 1/38** ( 2006.01 )  
**G01N 27/62** ( 2021.01 )  
**H01J 49/40** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2015305782  
 (72) WILES, Timothy; MANTLO, John D.  
 (74) FB Rice Pty Ltd

(71) Bidgely Inc.  
 (11) AU-A-2021202124  
 (21) 2021202124 (22) 07.04.2021  
 (54) Systems and methods for disaggregating appliance loads  
 (51) Int. Cl.  
**G06Q 30/04** ( 2012.01 )  
**G06F 16/00** ( 2019.01 )  
**G06Q 50/06** ( 2012.01 )  
 (43) 06.05.2021  
 (62) 2018210560  
 (72) Gupta, Abhay.; Vivek, Garud,  
 (74) Spruson & Ferguson

(71) BioBo GmbH  
 (11) AU-A-2019449032  
 (21) 2019449032 (22) 24.10.2019  
 (54) Protein suspension from brewer's grains, method and apparatus for obtaining same  
 (51) Int. Cl.  
**A23J 1/12** ( 2006.01 )  
 (31) 2019133308 (32) 21.10.19 (33) RU  
 (43) 06.05.2021  
 (72) GORDILOV, Oleg Grigorievich  
 (74) AJ Pietras IP Limited

(71) BioNet Pharma GmbH  
 (11) AU-A-2021202110  
 (21) 2021202110 (22) 06.04.2021  
 (54) Improvement of expression and folding in the manufacturing process of CD-RAP by using a CD-RAP precursor protein  
 (51) Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )

**A61K 47/14** ( 2017.01 )  
**A61K 47/18** ( 2017.01 )  
**C12N 15/11** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016321884  
 (72) SCHOETTLE, Isabell; STOMMES, Judith; HABERMANN, Paul; JANOCHA, Bernd; STILLGER, Ursula; BARTNIK, Eckart; JESKE, Volker; SAAS, Joachim  
 (74) Davies Collison Cave Pty Ltd

(71) BIO-RAD LABORATORIES, INC.  
 (11) AU-A-2021202147  
 (21) 2021202147 (22) 08.04.2021  
 (54) System and Method for Isolating and Analyzing Cells  
 (51) Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01N 30/26** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
**G01N 33/06** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2020273294  
 (72) SHANDIQUE, Kalyan; SHARMA, Vishal; GOGOI, Priyadarshini; CHOW, William; PAYNE, Austin; BONIFACE, Brian; GLEASON, Kyle; CONNOLLY, John; TUCK, Sam  
 (74) Pipers Intellectual Property

(71) Boehringer Ingelheim Animal Health USA Inc.  
 (11) AU-A-2021202118  
 (21) 2021202118 (22) 07.04.2021  
 (54) Antiparasitic isoxazoline compounds, long-acting injectable formulations comprising them, methods and uses thereof  
 (51) Int. Cl.  
**C07D 261/04** ( 2006.01 )  
**A01N 43/80** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**A01P 7/02** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019236686  
 (72) LE HIR DE FALLOIS, Lois Patrick; MENG, Charles Q; CADY, Susan Mancini; CHEIFETZ, Peter; GALESKA, Iza-bela  
 (74) FB Rice Pty Ltd

(71) Bolton, L.  
 (11) AU-A-2021201850  
 (21) 2021201850 (22) 24.03.2021  
 (54) A COVER FOR A CAVITY  
 (51) Int. Cl.  
**H02G 3/04** ( 2006.01 )  
**H02G 3/22** ( 2006.01 )  
 (31) 2020900897 (32) 24.03.20 (33) AU  
 (43) 06.05.2021  
 (72) Bolton, Luke  
 (74) Jones Tulloch

Applications Open to Public Inspection - Name Index cont'd

(71) Bombardier Transportation GmbH  
 (11) AU-A-2020257098  
 (21) 2020257098 (22) 21.10.2020  
 (54) Method for manufacturing a railcar body  
 (51) Int. Cl.  
     **B61D 17/04** ( 2006.01 )  
     **B61D 17/08** ( 2006.01 )  
 (31) 19204307.3 (32) 21.10.19 (33) EP  
 (43) 06.05.2021  
 (72) Laflamme, Martin  
 (74) FPA Patent Attorneys Pty Ltd

(71) Braun GmbH  
 (11) AU-A-2021202083  
 (21) 2021202083 (22) 06.04.2021  
 (54) Electric toothbrush  
 (51) Int. Cl.  
     **A61C 17/22** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2018292257  
 (72) Thomas, FRITSCH; Joern, UTSCH; Irina, NEUSSER  
 (74) Griffith Hack

(71) Bruin Biometrics, LLC  
 (11) AU-A-2021202263  
 (21) 2021202263 (22) 14.04.2021  
 (54) Bisymmetric comparison of sub-epidermal moisture values  
 (51) Int. Cl.  
     **A61B 5/00** ( 2006.01 )  
     **A61B 5/053** ( 2021.01 )  
 (43) 06.05.2021  
 (62) 2020201790  
 (72) BURNS, Martin F.; BARRINGTON, Sara; ROSS, Graham O.  
 (74) Spruson & Ferguson

(71) Bruin Biometrics LLC  
 (11) AU-A-2021202265  
 (21) 2021202265 (22) 14.04.2021  
 (54) Apparatus and methods for determining damaged tissue using sub-epidermal moisture measurements  
 (51) Int. Cl.  
     **A61B 5/04** ( 2006.01 )  
     **A61B 5/0408** ( 2006.01 )  
     **A61B 5/05** ( 2021.01 )  
     **A61B 5/053** ( 2021.01 )  
     **A61B 18/18** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016250527  
 (72) TONAR, Ya-Chen; RHODES, Shannon; CLENDENIN, Marta; BURNS, Martin; JARADEH, Kindah  
 (74) Spruson & Ferguson

(71) Cape 11 Pty Ltd  
 (11) AU-A-2020256296  
 (21) 2020256296 (22) 12.10.2020  
 (54) IMPROVEMENTS IN ILLUMINATED ROAD STUDS  
 (51) Int. Cl.  
     **E01F 9/559** ( 2016.01 )  
     **F21S 8/00** ( 2006.01 )  
     **F21V 31/00** ( 2006.01 )  
     **H01B 7/282** ( 2006.01 )

**H01B 7/285** ( 2006.01 )  
**H01B 17/30** ( 2006.01 )  
**H02G 3/36** ( 2006.01 )  
**H02G 3/38** ( 2006.01 )  
**H05K 5/06** ( 2006.01 )  
**F21W 111/02** ( 2006.01 )  
 (31) 2019903924 (32) 18.10.19 (33) AU  
 (43) 06.05.2021  
 (72) ARMENIAN, Christine  
 (74) Adams Pluck

(71) Caterpillar Underground Mining Pty Ltd  
 (11) AU-A-2019250202  
 (21) 2019250202 (22) 17.10.2019  
 (54) System and method for changing orientation of machines  
 (51) Int. Cl.  
     **G05D 1/02** ( 2006.01 )  
     **B60W 10/00** ( 2006.01 )  
     **B60W 10/04** ( 2006.01 )  
     **B60W 10/10** ( 2012.01 )  
     **B60W 10/18** ( 2012.01 )  
     **B60W 10/20** ( 2006.01 )  
     **B60W 40/072** ( 2012.01 )  
     **E01C 19/00** ( 2006.01 )  
     **E02F 3/84** ( 2006.01 )  
     **E02F 9/20** ( 2006.01 )  
     **E21C 35/08** ( 2006.01 )  
     **G01S 13/931** ( 2020.01 )  
     **G01S 17/931** ( 2020.01 )  
     **G01S 19/45** ( 2010.01 )  
     **G05D 3/12** ( 2006.01 )  
     **G05D 13/00** ( 2006.01 )  
     **G08G 9/00** ( 2006.01 )  
 (43) 06.05.2021  
 (72) Kumar, P. H. Pradeep; Broughton, Peter John; Anandan, Arun  
 (74) FPA Patent Attorneys Pty Ltd

(71) Cattle King Agricultural Services Pty Ltd  
 (11) AU-A-2020256471  
 (21) 2020256471 (22) 19.10.2020  
 (54) A Feeding System  
 (51) Int. Cl.  
     **A01K 5/01** ( 2006.01 )  
     **B65D 5/12** ( 2006.01 )  
     **B65D 5/49** ( 2006.01 )  
     **B65D 5/496** ( 2006.01 )  
     **B65D 5/56** ( 2006.01 )  
     **B65D 19/20** ( 2006.01 )  
     **B65D 63/10** ( 2006.01 )  
     **B65D 65/46** ( 2006.01 )  
 (31) 2019903934 (32) 18.10.19 (33) AU  
 (43) 06.05.2021  
 (72) Hunter, Warren Charles Roland  
 (74) HopgoodGanim

(71) Chevron U.S.A. Inc.  
 (11) AU-A-2021202101  
 (21) 2021202101 (22) 06.04.2021  
 (54) Process, method and system for removing heavy metals from fluids  
 (51) Int. Cl.  
     **C10G 31/06** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2015339634  
 (72) O'Rear, Dennis John; Cooper, Russell Evan  
 (74) FPA Patent Attorneys Pty Ltd

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**Children's Hospital of Philadelphia see Mezzion Pharma Co., Ltd**  
 (21) 2021202212

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(71) Church & Dwight Co., Inc.  
 (11) AU-A-2020201043  
 (21) 2020201043 (22) 13.02.2020  
 (54) Laundry detergent composition  
 (51) Int. Cl.  
     **C11D 1/83** ( 2006.01 )  
     **C11D 1/02** ( 2006.01 )  
     **C11D 1/66** ( 2006.01 )  
 (31) 62/916,939 (32) 18.10.19 (33) US  
 (43) 06.05.2021  
 (72) GUPTA, Archana; TREHARNE, David; KONG, Aidi  
 (74) Spruson & Ferguson

(71) Citrix Systems, Inc.  
 (11) AU-A-2020327347  
 (21) 2020327347 (22) 15.10.2020  
 (54) Provisioning virtual machines with a single identity and cache virtual disk  
 (51) Int. Cl.  
     **G06F 3/06** ( 2006.01 )  
 (87) WO2021/076727  
 (31) 16/655,465 (32) 17.10.19 (33) US  
 (43) 06.05.2021  
 (72) LU, Yuhua; MACDONALD, Graham; GRAHAM, Simon  
 (74) Phillips Ormonde Fitzpatrick

(71) ClearStream Technologies Limited  
 (11) AU-A-2021202145  
 (21) 2021202145 (22) 08.04.2021  
 (54) Apparatus and methods for providing radiopaque medical balloons  
 (51) Int. Cl.  
     **B29C 47/24** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019200765  
 (72) Do, Hiep; Schaffer, Andrew; Fillmore, Paul  
 (74) Griffith Hack

(71) COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD.  
 (11) AU-A-2021202266  
 (21) 2021202266 (22) 14.04.2021  
 (54) Plastic anchor for drywall, plaster, brick, concrete, etc  
 (51) Int. Cl.  
     **F16B 13/04** ( 2006.01 )  
     **E04B 1/41** ( 2006.01 )  
     **F16B 13/14** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019202563  
 (72) McDuff, Pierre; Pollack, Alexandre; Nguyen, Lang; Crossley, William A.  
 (74) Franke Hyland Pty Ltd

(71) Colgate-Palmolive Company  
 (11) AU-A-2021202174  
 (21) 2021202174 (22) 09.04.2021

Applications Open to Public Inspection - Name Index cont'd

- (54) Teeth cleaning device  
(51) Int. Cl.  
**A61C 17/22** ( 2006.01 )  
(43) 06.05.2021  
(62) 2020200902  
(72) Pierce, Robert; Jayaraman, Nagaran; Kachko, Igor; Bakhrakh, Mark; Kolchanov, Stanislav; Karavaev, Pavel; Khorenyan, Rostislav; Sigalovsky, Irina; Kogan, Semyon  
(74) Shelston IP Pty Ltd.
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- (71) ConMed Corporation  
(11) AU-A-2021202133  
(21) 2021202133 (22) 07.04.2021  
(54) Separable two-part single lumen gas sealed access port for use during endoscopic surgical procedures  
(51) Int. Cl.  
**A61B 17/34** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**A61M 13/00** ( 2006.01 )  
**A61M 39/06** ( 2006.01 )  
(43) 06.05.2021  
(62) 2018230832  
(72) Augelli, Michael J.; SILVER, Mikiya; Kane, Michael J.  
(74) FB Rice Pty Ltd
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- (71) Cooke & Dowsett Pty Ltd  
(11) AU-A-2021202153  
(21) 2021202153 (22) 08.04.2021  
(54) Modular wall unit  
(51) Int. Cl.  
**E03C 1/00** ( 2006.01 )  
(43) 06.05.2021  
(62) 2015268697  
(72) HENNESSY, Tristan Rhys; SULLIVAN, Mark Andrew  
(74) Spruson & Ferguson
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- (71) Core Contracting Services Pty Ltd  
(11) AU-A-2020256381  
(21) 2020256381 (22) 15.10.2020  
(54) Fusion welding  
(51) Int. Cl.  
**B29C 65/20** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**B29K 101/12** ( 2006.01 )  
(31) 2019903957 (32) 21.10.19 (33) AU  
(43) 06.05.2021  
(72) Egan, Jimmy  
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**B65D 21/024** ( 2006.01 )  
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 (54) BEAM CONNECTION DEVICE  
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 (54) MULTIMEDIA DATA PLAYING METHOD AND TERMINAL DEVICE  
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 (54) Communication method and apparatus  
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(71) IdentiFlight International, LLC  
 (11) AU-A-2021202273  
 (21) 2021202273 (22) 15.04.2021  
 (54) Bird or bat detection and identification for wind turbine risk mitigation

(51) Int. Cl.  
     **G01P 3/36** ( 2006.01 )  
     **G01V 8/10** ( 2006.01 )  
     **G08B 13/181** ( 2006.01 )  
     **G08B 15/00** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2015305464  
 (72) Wenger, Eric S.; Oliver, Andrew G.; Babbitt, Victor L.  
 (74) Shelston IP Pty Ltd.

(71) Illumina Cambridge Limited  
 (11) AU-A-2021202149  
 (21) 2021202149 (22) 08.04.2021  
 (54) Detecting repeat expansions with short read sequencing data  
 (51) Int. Cl.  
     **G16B 20/00** ( 2019.01 )  
     **C12Q 1/6883** ( 2018.01 )  
     **G16B 30/00** ( 2019.01 )  
 (43) 06.05.2021  
 (62) 2015314114  
 (72) EBERLE, Michael A.; SHAW, Richard  
 (74) WRAYS PTY LTD

(71) Inhibrx, Inc.  
 (11) AU-A-2021202131  
 (21) 2021202131 (22) 07.04.2021  
 (54) Serpin fusion polypeptides and methods of use thereof  
 (51) Int. Cl.  
     **C07K 16/46** ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019202904  
 (72) Eckelman, Brendan P.; Timmer, John C.; Nguy, Peter L.; Guenther, Grant B.; Deveraux, Quinn  
 (74) FPA Patent Attorneys Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2021202128  
 (21) 2021202128 (22) 07.04.2021  
 (54) Method and system for providing domain-specific incremental search results with a customer self-service system for a financial management system  
 (51) Int. Cl.  
     **G06K 10/10** ( 2012.01 )  
     **G06F 3/048** ( 2013.01 )  
 (43) 06.05.2021  
 (62) 2017334696  
 (72) Indyk, Benjamin; Podgorny, Igor A.; Goodyear, Todd Frey; Bhutada, Pravin  
 (74) Davies Collison Cave Pty Ltd

(71) IsoLynx, LLC  
 (11) AU-A-2021202136  
 (21) 2021202136 (22) 07.04.2021  
 (54) OBJECT TRACKING SYSTEM OPTIMIZATION AND OPTIMIZERS  
 (51) Int. Cl.  
     **G06K 9/00** ( 2006.01 )  
     **G06T 7/20** ( 2017.01 )  
 (43) 06.05.2021  
 (62) 2019229392  
 (72) DEANGELIS, Douglas J.; EVANSEN, Edward G.; REILLY, Gerard M.;

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RHODES, Brian D.; GAUDREAU, Joseph M.; SIGEL, Kirk M.; FARKAS, Alexander T.  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(71)** Jeld-Wen, Inc.  
**(11)** AU-A-2020257058  
**(21)** 2020257058 **(22)** 20.10.2020  
**(54)** Configurable astragal and snap feature for fenestration systems  
**(51)** Int. Cl.  
*E06B 3/36* ( 2006.01 )  
*E05C 7/02* ( 2006.01 )  
**(31)** 62/924,098 **(32)** 21.10.19 **(33)** US  
 63/024,275 13.05.20 US  
**(43)** 06.05.2021  
**(72)** Nelson, Jacob; Gombo, Yoshua; Belau, David; Schroeder, Ryan; Jones, Jerry  
**(74)** Shelston IP Pty Ltd.

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**(71)** Jubilant Draximage Inc.; Ottawa Heart Institute Research Corporation  
**(11)** AU-A-2021202275  
**(21)** 2021202275 **(22)** 15.04.2021  
**(54)** Rubidium elution system control  
**(51)** Int. Cl.  
*G21G 1/00* ( 2006.01 )  
*A61K 51/00* ( 2006.01 )  
*A61M 36/00* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019203648  
**(72)** Lefort, Etienne; Teoli, Vincenzo; Dekemp, Robert A; Klein, Ran  
**(74)** Griffith Hack

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**(71)** Kelleher, H.J.  
**(11)** AU-A-2021202167  
**(21)** 2021202167 **(22)** 08.04.2021  
**(54)** Improved toilet grab rail support  
**(51)** Int. Cl.  
*A47K 17/00* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019204040  
**(72)** Kelleher, Helen Joy  
**(74)** Acumen Intellectual Property

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**(71)** Kenall Manufacturing Company  
**(11)** AU-A-2021202248  
**(21)** 2021202248 **(22)** 14.04.2021  
**(54)** LIGHTING DEVICE THAT DEACTIVATES DANGEROUS PATHOGENS WHILE PROVIDING VISUALLY APPEALING LIGHT  
**(51)** Int. Cl.  
*A61L 2/24* ( 2006.01 )  
*A61L 2/08* ( 2006.01 )  
*A61N 5/06* ( 2006.01 )  
*F21K 9/00* ( 2016.01 )  
*F21V 23/04* ( 2006.01 )  
*F21V 33/00* ( 2006.01 )  
*H05B 33/08* ( 2020.01 )  
**(43)** 06.05.2021  
**(62)** 2016283970  
**(72)** Hawkins, James W.; Yahnke, Clifford J.  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(71)** LEGRAND FRANCE; LEGRAND SNC  
**(11)** AU-A-2020256418  
**(21)** 2020256418 **(22)** 16.10.2020  
**(54)** Protective apparatus for an alternating current electrical installation  
**(51)** Int. Cl.  
*H01H 71/00* ( 2006.01 )  
*H01H 71/02* ( 2006.01 )  
*H01H 83/22* ( 2006.01 )  
**(31)** 1911517 **(32)** 16.10.19 **(33)** FR  
**(43)** 06.05.2021  
**(72)** MASSE, Dany; BOUTELOUP, Geoffroy  
**(74)** Griffith Hack

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**(71)** LEGRAND FRANCE; LEGRAND SNC  
**(11)** AU-A-2020256419  
**(21)** 2020256419 **(22)** 16.10.2020  
**(54)** Protective apparatus for an alternating current electrical installation  
**(51)** Int. Cl.  
*H01H 71/00* ( 2006.01 )  
*H01H 71/02* ( 2006.01 )  
*H01H 83/22* ( 2006.01 )  
**(31)** 1911518 **(32)** 16.10.19 **(33)** FR  
**(43)** 06.05.2021  
**(72)** LECLERCQ, Benjamin; MASSE, Dany  
**(74)** Griffith Hack

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**LEGRAND SNC see LEGRAND FRANCE**  
**(21)** 2020256418

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**LEGRAND SNC see LEGRAND FRANCE**  
**(21)** 2020256419

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**(71)** Lunella Biotech, Inc.  
**(11)** AU-A-2021202123  
**(21)** 2021202123 **(22)** 07.04.2021  
**(54)** Triphenylphosphonium-derivative compounds for eradicating cancer stem cells  
**(51)** Int. Cl.  
*A61K 31/22* ( 2006.01 )  
*C07F 9/50* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2018373053  
**(72)** LISANTI, Michael P.; SOTGIA, Federica,  
**(74)** Spruson & Ferguson

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**(71)** Memorial Sloan-Kettering Cancer Center  
**(11)** AU-A-2021202257  
**(21)** 2021202257 **(22)** 14.04.2021  
**(54)** Methods for treating brain metastasis  
**(51)** Int. Cl.  
*A61K 31/4188* ( 2006.01 )  
*A01K 67/00* ( 2006.01 )  
*A61K 31/337* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2015317330  
**(72)** Massague, Joan; Boire, Adrienne; Chen, Qing  
**(74)** Spruson & Ferguson

**(71)** Memorial Sloan-Kettering Cancer Center  
**(11)** AU-A-2021202259  
**(21)** 2021202259 **(22)** 14.04.2021  
**(54)** Inhibiting cancer metastasis  
**(51)** Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
**(43)** 06.05.2021  
**(62)** 2014323491  
**(72)** MASSAGUE, Joan; VALIENTE, Manuel  
**(74)** Spruson & Ferguson

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**(71)** Mezzion Pharma Co., Ltd; Children's Hospital of Philadelphia  
**(11)** AU-A-2021202212  
**(21)** 2021202212 **(22)** 13.04.2021  
**(54)** METHODS OF IMPROVING MYOCARDIAL PERFORMANCE IN FONTAN PATIENTS USING UDENAFIL COMPOSITIONS  
**(51)** Int. Cl.  
*A61K 31/519* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 9/48* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019203706  
**(72)** YEAGER, James L.; GOLDBERG, David J.; PARIDON, Stephen M.  
**(74)** AJ PARK

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**(71)** Microtec S.r.l.  
**(11)** AU-A-2020256438  
**(21)** 2020256438 **(22)** 16.10.2020  
**(54)** Method and apparatus for performing a tomographic examination of an object  
**(51)** Int. Cl.  
*G01N 23/083* ( 2018.01 )  
*G01N 23/20025* ( 2018.01 )  
*G01R 33/20* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
**(31)** 102019000019454 **(32)** 21.10.19 **(33)** IT  
**(43)** 06.05.2021  
**(72)** URSELLA, Enrico; GIUDICEANDREA, Federico  
**(74)** Spruson & Ferguson

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**(71)** Milliken & Company  
**(11)** AU-A-2021202103  
**(21)** 2021202103 **(22)** 06.04.2021  
**(54)** WASHABLE MULTI-COMPONENT MAGNETIC FLOOR MAT  
**(51)** Int. Cl.  
*A47L 23/26* ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019204754  
**(72)** Love III, Franklin S.; Srivastava, Sudhanshu; Raghavendran, Venkatkrishna; Roberts, Brandon T.; Puthillath, Padmakumar; Kitchen, Dale S.; Dawson, Ty G.  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Motorola Solutions, Inc.  
**(11)** AU-A-2020239831  
**(21)** 2020239831 **(22)** 28.09.2020

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(54) APPARATUS AND METHOD FOR DYNAMICALLY STABILIZING CURRENT LIMITING IN A PORTABLE COMMUNICATION DEVICE  
 (51) Int. Cl.  
*H02M 3/156* ( 2006.01 )  
*H03F 3/00* ( 2006.01 )  
*H04B 7/00* ( 2006.01 )  
 (31) 16/654,877 (32) 16.10.19 (33) US  
 (43) 06.05.2021  
 (72) Alonso, Kevin; Henry, David W.; Hand, Michael  
 (74) Phillips Ormonde Fitzpatrick

(71) MTD PRODUCTS INC  
 (11) AU-A-2021202105  
 (21) 2021202105 (22) 06.04.2021  
 (54) PARK BRAKE AND TRACTION DRIVE BYPASS INTERLOCK  
 (51) Int. Cl.  
*A01D 34/00* ( 2006.01 )  
*A01D 34/68* ( 2006.01 )  
*A01D 69/10* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019205012  
 (72) KRYSZTOWSKI, Adam; MORSE, Daniel; UTZ, Michael; TYLER, Carl; WOODRUM, Adam  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Negrete Hernandez, J.E.  
 (11) AU-A-2021202107  
 (21) 2021202107 (22) 06.04.2021  
 (54) HARMONICS FILTERS USING SEMI NON-MAGNETIC BOBBINS  
 (51) Int. Cl.  
*H01F 27/28* ( 2006.01 )  
*H01F 27/32* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2017393086  
 (72) Negrete Hernandez, Joaquin Enrique  
 (74) Phillips Ormonde Fitzpatrick

(71) Netflix, Inc.  
 (11) AU-A-2021202161  
 (21) 2021202161 (22) 08.04.2021  
 (54) Techniques for detecting media playback errors  
 (51) Int. Cl.  
*H04N 17/04* ( 2006.01 )  
*H04N 17/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2018292286  
 (72) Turmel, Frederic; Newell, Nicholas  
 (74) FPA Patent Attorneys Pty Ltd

(71) Netflix, Inc.  
 (11) AU-A-2021202189  
 (21) 2021202189 (22) 12.04.2021  
 (54) Identifying previously streamed portions of a media title to avoid repetitive playback  
 (51) Int. Cl.  
*H04N 21/44* ( 2011.01 )  
*H04N 21/4545* ( 2011.01 )  
*H04N 21/472* ( 2011.01 )

*H04N 21/845* ( 2011.01 )  
 (43) 06.05.2021  
 (62) 2018304058  
 (72) Kansara, Apurvakumar Dilipkumar  
 (74) FPA Patent Attorneys Pty Ltd

(71) Nevro Corporation  
 (11) AU-A-2021202187  
 (21) 2021202187 (22) 10.04.2021  
 (54) MULTI-FREQUENCY NEURAL TREATMENTS AND ASSOCIATED SYSTEMS AND METHODS  
 (51) Int. Cl.  
*A61N 1/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019201361  
 (72) Alataris, Konstantinos; Caparso, Anthony; Erickson, Brian J.; Fang, Zi-Ping; Walker, Andre B.  
 (74) RnB IP Pty Ltd

(71) Northrop Grumman Systems Corporation  
 (11) AU-A-2021202125  
 (21) 2021202125 (22) 07.04.2021  
 (54) Immersion cooling temperature control method, system, and apparatus  
 (51) Int. Cl.  
*H05K 7/20* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019229950  
 (72) CHRISTIANSEN, Martin Brokner; CHOROSINSKI, Leonard George; HEFFNER, Harlan Craig; WAKAMIYA, Stanley Katsuyoshi; KIRKWOOD, Keith R.  
 (74) Spruson & Ferguson

(71) NuVasive, Inc.  
 (11) AU-A-2021202154  
 (21) 2021202154 (22) 08.04.2021  
 (54) SURGICAL ACCESS SYSTEM AND RELATED METHODS  
 (51) Int. Cl.  
*A61B 1/32* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2020202665  
 (72) Lee, James; Verhage, Benjamin; Serra, Michael; Woolley, Troy; Snider, Brian; Schwartz, Matthew  
 (74) Phillips Ormonde Fitzpatrick

(71) Oceaneering International, Inc.  
 (11) AU-A-2021202208  
 (21) 2021202208 (22) 12.04.2021  
 (54) RIDER-CONTROLLED TRACKLESS RIDE SYSTEM  
 (51) Int. Cl.  
*A63G 25/00* ( 2006.01 )  
*A63G 31/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 3/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )

(43) 06.05.2021  
 (62) 2017241801  
 (72) Russell, Michael; Boshears, Michael; Etta, Lauren  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Oceaneering International, Inc.  
 (11) AU-A-2021202209  
 (21) 2021202209 (22) 12.04.2021  
 (54) RIDER-CONTROLLED TRACKLESS RIDE SYSTEM  
 (51) Int. Cl.  
*A63G 25/00* ( 2006.01 )  
*A63G 31/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 3/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2017241801  
 (72) Russell, Michael; Boshears, Michael; Etta, Lauren  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Oceaneering International, Inc.  
 (11) AU-A-2021202210  
 (21) 2021202210 (22) 12.04.2021  
 (54) RIDER-CONTROLLED TRACKLESS RIDE SYSTEM  
 (51) Int. Cl.  
*A63G 25/00* ( 2006.01 )  
*A63G 31/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 3/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2017241801  
 (72) Russell, Michael; Boshears, Michael; Etta, Lauren  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) One World LED Pty Ltd  
 (11) AU-A-2021202164  
 (21) 2021202164 (22) 08.04.2021  
 (54) MEDIA CONTROL METHOD AND SYSTEM  
 (51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
 (43) 06.05.2021  
 (62) 2017204785  
 (72) Rafizadeh, Schumann; Muller, Tanami Derek; Rafizadeh, Darius Sean; Peterson, Benjamin Michael  
 (74) Madderns Pty Ltd

(71) Oren Technologies, LLC  
 (11) AU-A-2021202269  
 (21) 2021202269 (22) 14.04.2021  
 (54) Conveyor with integrated dust collector system  
 (51) Int. Cl.  
*B01D 45/00* ( 2006.01 )  
*B07B 4/00* ( 2006.01 )  
*B07B 7/00* ( 2006.01 )  
*B08B 15/00* ( 2006.01 )

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- B65B 1/16** ( 2006.01 )  
**B65G 3/04** ( 2006.01 )  
**B65G 69/18** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2020204355  
**(72)** Oren, Joshua; Boros, Marty; Berweiler, Pete; Hansen, Dave; Campbell, Colin; Edwards, Mike; Massalone, Thomas  
**(74)** Griffith Hack
- 
- Ottawa Heart Institute Research Corporation see Jubilant Draximage Inc.**  
**(21)** 2021202275
- 
- (71)** Palmer Labs, LLC; 8 Rivers Capital, LLC  
**(11)** AU-A-2021202130  
**(21)** 2021202130 **(22)** 07.04.2021  
**(54)** System and method for high efficiency power generation using a carbon dioxide circulating working fluid  
**(51)** Int. Cl.  
**F02C 1/06** ( 2006.01 )  
**F02C 3/34** ( 2006.01 )  
**F02C 6/00** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019203986  
**(72)** ALLAM, Rodney John; PALMER, Miles R; BROWN JR, Glenn William; FETVEDT, Jeremy Eron; FORREST, Brock Alan  
**(74)** Griffith Hack
- 
- (71)** Paloma Co., Ltd  
**(11)** AU-A-2020250252  
**(21)** 2020250252 **(22)** 08.10.2020  
**(54)** Water heater  
**(51)** Int. Cl.  
**F24H 9/02** ( 2006.01 )  
**(31)** 2019-190490 **(32)** 17.10.19 **(33)** JP  
**(43)** 06.05.2021  
**(72)** Kakizaki, Yusuke  
**(74)** Shelston IP Pty Ltd.
- 
- (71)** Parallel Wireless, Inc.  
**(11)** AU-A-2021202267  
**(21)** 2021202267 **(22)** 14.04.2021  
**(54)** Elastic scheduling  
**(51)** Int. Cl.  
**H04W 8/26** ( 2009.01 )  
**H04W 12/12** ( 2021.01 )  
**H04W 16/04** ( 2009.01 )  
**H04W 16/14** ( 2009.01 )  
**(43)** 06.05.2021  
**(62)** 2016344036  
**(72)** MISHRA, Rajesh; PAPA, Steven; AGARWAL, Kaitiki; DONEPUDI, Sridhar  
**(74)** Griffith Hack
- 
- (71)** PGS Geophysical AS  
**(11)** AU-A-2020256367  
**(21)** 2020256367 **(22)** 14.10.2020  
**(54)** Targeted activation parameters for marine seismic sources  
**(51)** Int. Cl.  
**G01V 1/28** ( 2006.01 )
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- (31)** 16/656,288 **(32)** 17.10.19 **(33)** US  
**(43)** 06.05.2021  
**(72)** Tenhamn, Stig Rune Lennart; Beitz, Manuel; Strand, Christian  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Prysman S.p.A.  
**(11)** AU-A-2020233719  
**(21)** 2020233719 **(22)** 17.09.2020  
**(54)** Management system for optical fibers  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**(31)** 102019000019139 **(32)** 17.10.19 **(33)** IT  
**(43)** 06.05.2021  
**(72)** Paddick, Nathan  
**(74)** Davies Collison Cave Pty Ltd
- 
- PureCircle Sdn Bhd see The Coca-Cola Company**  
**(21)** 2021202135
- 
- (71)** Ratahi, T.  
**(11)** AU-A-2020256470  
**(21)** 2020256470 **(22)** 19.10.2020  
**(54)** Coupling System  
**(51)** Int. Cl.  
**E04G 7/30** ( 2006.01 )  
**E04G 5/02** ( 2006.01 )  
**E04G 7/34** ( 2006.01 )  
**(31)** 2019903947 **(32)** 21.10.19 **(33)** AU  
**(43)** 06.05.2021  
**(72)** Ratahi, Tewata  
**(74)** Raven IP
- 
- (71)** Reg Life Sciences, LLC  
**(11)** AU-A-2021202194  
**(21)** 2021202194 **(22)** 12.04.2021  
**(54)** Omega-hydroxylase-related fusion polypeptides with improved properties  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**C12N 9/02** ( 2006.01 )  
**C12P 7/42** ( 2006.01 )  
**C12P 7/64** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2015277261  
**(72)** Zhu, Baolong; Schirmer, Andreas W.; Chang, Cindy  
**(74)** Spruson & Ferguson
- 
- (71)** RESERO PTY LTD  
**(11)** AU-A-2021202097  
**(21)** 2021202097 **(22)** 06.04.2021  
**(54)** Injection Moulded Unupholstered Plastic Chair  
**(51)** Int. Cl.  
**A47C 7/16** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019203991  
**(72)** WELSH, Greg Brent  
**(74)** Fraser Old & Sohn
- 
- (71)** ResMed Pty Ltd  
**(11)** AU-A-2020323962  
**(21)** 2020323962 **(22)** 15.10.2020
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- (54)** Textile seal-forming structure with multiple curvatures  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(87)** WO2021/072495  
**(31)** PCT/ **(32)** 16.10.19 **(33)** IB  
 IB2019/058832  
 2020902371 09.07.20 AU  
 16/850,803 16.04.20 US  
**(43)** 06.05.2021  
**(72)** EVES, Matthew; SCHEINER, Rupert Christian; DE VRIES, Callum Tyler; GUNEY, Memduh  
**(74)** Halfords IP
- 
- (71)** Rovi Guides, Inc.  
**(11)** AU-A-2021202157  
**(21)** 2021202157 **(22)** 08.04.2021  
**(54)** Methods and systems for managing content subscription data  
**(51)** Int. Cl.  
**H04L 29/06** ( 2006.01 )  
**G06F 21/10** ( 2013.01 )  
**H04N 21/00** ( 2011.01 )  
**(43)** 06.05.2021  
**(62)** 2016347023  
**(72)** THOMAS, William L.; KLAPPERT, Walter R.  
**(74)** Spruson & Ferguson
- 
- (71)** SANGENIC INTERNATIONAL LIMITED  
**(11)** AU-A-2021202203  
**(21)** 2021202203 **(22)** 12.04.2021  
**(54)** WASTE STORAGE DEVICE  
**(51)** Int. Cl.  
**B65F 1/06** ( 2006.01 )  
**B65F 1/14** ( 2006.01 )  
**B65F 1/16** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2016320558  
**(72)** CUDWORTH, Nicholas  
**(74)** Houlihan<sup>2</sup> Pty Ltd
- 
- (71)** SAPPORO HOLDINGS LIMITED  
**(11)** AU-A-2020256453  
**(21)** 2020256453 **(22)** 16.10.2020  
**(54)** NUTRITIONALLY FOCUSSED BALANCED FOOD OR BEVERAGE PRODUCT AND METHODS FOR PRODUCING  
**(51)** Int. Cl.  
**A23L 33/21** ( 2016.01 )  
**A23L 2/38** ( 2021.01 )  
**A23L 7/117** ( 2016.01 )  
**A23L 33/00** ( 2016.01 )  
**A23L 35/00** ( 2016.01 )  
**(31)** 758311 **(32)** 17.10.19 **(33)** NZ  
**(43)** 06.05.2021  
**(72)** Pope-Mayell, Guy William Clayton; Rogers, Jason Paul; Wilton, Victoria Jane  
**(74)** James & Wells Intellectual Property
- 
- (71)** Sarepta Therapeutics, Inc.  
**(11)** AU-A-2021202224  
**(21)** 2021202224 **(22)** 13.04.2021  
**(54)** Peptide oligonucleotide conjugates  
**(51)** Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**A61P 21/00** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019204913  
**(72)** Hanson, Gunnar J.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SEGAL, C.  
**(11)** AU-A-2021202139  
**(21)** 2021202139 **(22)** 07.04.2021  
**(54)** Weighted Voting System  
**(51)** Int. Cl.  
**G06Q 30/02** ( 2012.01 )  
**G07C 13/02** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019203701  
**(72)** RICHARDSON, Ric B.  
**(74)** Wallington-Dummer

**(71)** Shell Internationale Research  
 Maatschappij B.V.  
**(11)** AU-A-2021202108  
**(21)** 2021202108 **(22)** 06.04.2021  
**(54)** A process for preparing a paraffin  
 product  
**(51)** Int. Cl.  
**C10G 2/00** ( 2006.01 )  
**C12P 7/06** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2017236342  
**(72)** KOTAK, Parag  
**(74)** Spruson & Ferguson

**(71)** Smith & Nephew, Inc.; Smith & Nephew  
 Orthopaedics AG; Smith & Nephew  
 Asia Pacific Pte. Limited  
**(11)** AU-A-2021202121  
**(21)** 2021202121 **(22)** 07.04.2021  
**(54)** Total ankle replacement prosthesis  
**(51)** Int. Cl.  
**A61F 2/42** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019206053  
**(72)** Terrill, Lance; Roman, Shawn; Daniels,  
 Timothy R.; Hyer, Christopher F.;  
 Parekh, Selene G.; Pedowitz, David I.  
**(74)** Davies Collison Cave Pty Ltd

**Smith & Nephew Asia Pacific Pte. Limited**  
**see Smith & Nephew, Inc.**  
**(21)** 2021202121

**Smith & Nephew Orthopaedics AG see**  
**Smith & Nephew, Inc.**  
**(21)** 2021202121

**(71)** Snap-on Incorporated  
**(11)** AU-A-2020250243  
**(21)** 2020250243 **(22)** 08.10.2020  
**(54)** Indexable ratchet tool  
**(51)** Int. Cl.  
**B25B 13/46** ( 2006.01 )  
**B25B 13/48** ( 2006.01 )  
**B25B 23/00** ( 2006.01 )  
**(31)** 16/655,875 **(32)** 17.10.19 **(33)** US

**(43)** 06.05.2021  
**(72)** ROSS, David T.  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-A-2020250244  
**(21)** 2020250244 **(22)** 08.10.2020  
**(54)** Bracket for hanging receptacle  
**(51)** Int. Cl.  
**A47F 5/08** ( 2006.01 )  
**(31)** 16/660,326 **(32)** 22.10.19 **(33)** US  
**(43)** 06.05.2021  
**(72)** GARGANO, Angelo J.  
**(74)** Griffith Hack

**SNU R&DB Foundation see University of**  
**Ulsan Foundation for Industry Cooperation**  
**(21)** 2021202271

**(71)** SomaLogic, Inc.  
**(11)** AU-A-2021202190  
**(21)** 2021202190 **(22)** 12.04.2021  
**(54)** Proteomic Assay Using Quantum  
 Sensors  
**(51)** Int. Cl.  
**G01N 33/543** ( 2006.01 )  
**C12Q 1/6834** ( 2018.01 )  
**G01N 21/78** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2019230219  
**(72)** CLEVELAND, Jason Paul; HOLCZER,  
 Karoly; VANT-HULL, Barry Patrick John  
**(74)** CreateIP

**(71)** Square, Inc.  
**(11)** AU-A-2021202106  
**(21)** 2021202106 **(22)** 06.04.2021  
**(54)** Fraud detection in portable payment  
 readers  
**(51)** Int. Cl.  
**G06Q 20/40** ( 2012.01 )  
**G06Q 20/20** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2017335584  
**(72)** HAMILTON, Shane; LEISERSON, An-  
 drew; AUMENT, Todd  
**(74)** FB Rice Pty Ltd

**(71)** Swirl Technologies Pty Ltd  
**(11)** AU-A-2021202183  
**(21)** 2021202183 **(22)** 09.04.2021  
**(54)** Resuscitator  
**(51)** Int. Cl.  
**A61M 16/20** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2016351724  
**(72)** BIRD, IAN  
**(74)** Griffith Hack

**(71)** Syqe Medical Ltd.  
**(11)** AU-A-2021202185  
**(21)** 2021202185 **(22)** 09.04.2021

**(54)** Drug Dose Cartridge for an Inhaler  
 Device  
**(51)** Int. Cl.  
**A61M 11/04** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )  
**A24F 47/00** ( 2020.01 )  
**(43)** 06.05.2021  
**(62)** 2019229370  
**(72)** Davidson, Perry; Schorr, Aaron;  
 Schwartz, Binyamin; Lifshitz, Roeo  
**(74)** Golja Haines & Friend

**(71)** Takeda Pharmaceutical Company Lim-  
 ited  
**(11)** AU-A-2021202219  
**(21)** 2021202219 **(22)** 13.04.2021  
**(54)** SYRINGE STABILIZER  
**(51)** Int. Cl.  
**A61M 5/00** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
**A61M 5/315** ( 2006.01 )  
**A61M 25/02** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2017291507  
**(72)** ARIAGNO, Scott Richard; MURISSET,  
 Angela Teresa; ROUSH, Daniel Ed-  
 ward; ALEXANDER, Denise A.; GIB-  
 SON, Madeleine Clare; CHEN, Gin-Fu  
**(74)** Maxwells Patent & Trade Mark Attor-  
 neys Pty Ltd

**(71)** Tecnoed Desenvolvimento Tecnológico  
 S.A.  
**(11)** AU-A-2021202096  
**(21)** 2021202096 **(22)** 06.04.2021  
**(54)** Metallurgical furnace for producing met-  
 al alloys  
**(51)** Int. Cl.  
**C21B 11/00** ( 2006.01 )  
**C21B 11/02** ( 2006.01 )  
**C21B 13/02** ( 2006.01 )  
**F27B 1/02** ( 2006.01 )  
**(43)** 06.05.2021  
**(62)** 2015367250  
**(72)** Ferreira Filho, Hermes Joaquim; Lovati,  
 Kleiton Gonçalves; Maia, Luciano Au-  
 gusto Moraes; Da Luz, André Silva; Da  
 Silva, Geovane Vitorino; Okada Junior,  
 Roberto  
**(74)** Shelston IP Pty Ltd.

**(71)** Textron Systems Corporation  
**(11)** AU-A-2020256456  
**(21)** 2020256456 **(22)** 17.10.2020  
**(54)** SAFEGUARDING EQUIPMENT  
 BASED ON DETECTION OF RE-  
 DUCED CYCLICAL PUMP PERFORM-  
 ANCE  
**(51)** Int. Cl.  
**F01M 1/02** ( 2006.01 )  
**B64C 33/00** ( 2006.01 )  
**F02D 45/00** ( 2006.01 )  
**F16N 3/00** ( 2006.01 )  
**(31)** 62/924,441 **(32)** 22.10.19 **(33)** US  
**(43)** 06.05.2021  
**(72)** Olenik, Thomas Edward; Horn, Richard  
 Wolfgang  
**(74)** Pizzzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

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**The ASAN Foundation see University of Ulsan Foundation for Industry Cooperation**  
**(21)** 2021202271

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**(71)** The Board of Trustees of the University of Illinois; Fred Hutchinson Cancer Research Center

**(11)** AU-A-2021202274  
**(21)** 2021202274 **(22)** 15.04.2021

**(54)** Engineered high-affinity human T cell receptors

**(51)** Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

**(43)** 06.05.2021

**(62)** 2019272003

**(72)** Smith, Sheena N.; Harris, Daniel T.; Kranz, David M.; Schmitt, Thomas M.; Greenberg, Philip D.

**(74)** Davies Collison Cave Pty Ltd

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**(71)** The Coca-Cola Company; PureCircle Sdn Bhd

**(11)** AU-A-2021202135

**(21)** 2021202135 **(22)** 07.04.2021

**(54)** Methods for purifying steviol glycosides and uses of the same

**(51)** Int. Cl.  
**A23L 27/30** ( 2016.01 )

**(43)** 06.05.2021

**(62)** 2019235682

**(72)** PRAKASH, Indra; MARKOSYAN, Avetik; CHATURVEDULLA, Venkata Sai Prakash; CAMPBELL, Mary; SAN MIGUEL, Rafael; PURKAYASTHA, Siddhartha; JOHNSON, Marquita

**(74)** FB Rice Pty Ltd

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**(71)** The Regents of the University of Michigan

**(11)** AU-A-2021202113

**(21)** 2021202113 **(22)** 06.04.2021

**(54)** N-(phenylsulfonyl)benzamides and related compounds as Bcl-2 Inhibitors

**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

**(43)** 06.05.2021

**(62)** 2017305508

**(72)** WANG, Shaomeng; CHEN, Jianyong

**(74)** Griffith Hack

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**(71)** THE SCRIPPS RESEARCH INSTITUTE; EPIC SCIENCES, INC.

**(11)** AU-A-2021202220

**(21)** 2021202220 **(22)** 13.04.2021

**(54)** METHOD OF USING NON-RARE CELLS TO DETECT RARE CELLS

**(51)** Int. Cl.  
**G01N 33/574** ( 2006.01 )

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**(43)** 06.05.2021

**(62)** 2018247290

**(72)** KUHN, Peter; KOLATKAR, Anand; KUNKEN, Joshua; MARRINUCCI, Dena; YANG, Xing; STUELPNAGEL, John R.

**(74)** FB Rice Pty Ltd

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**(71)** The United States of America, as represented by the Secretary, Department of Health and Human Services

**(11)** AU-A-2021202158

**(21)** 2021202158 **(22)** 08.04.2021

**(54)** Chimeric antigen receptors targeting B-cell maturation antigen

**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )

**(43)** 06.05.2021

**(62)** 2019203042

**(72)** KOCHENDERFER, James Noble

**(74)** Spruson & Ferguson

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**(71)** The United States of America, as represented by the Secretary, Department of Health and Human Services

**(11)** AU-A-2021202223

**(21)** 2021202223 **(22)** 13.04.2021

**(54)** Methods of isolating T cells having antigenic specificity for a cancer-specific mutation

**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61P 35/00** ( 2006.01 )

**(43)** 06.05.2021

**(62)** 2014407540

**(72)** TRAN, Eric; LU, Yong-Chen; ROBBINS, Paul E.; ROSENBERG, Steven A.

**(74)** Spruson & Ferguson

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**(71)** The United States of America, as represented by the Secretary, Department of Health and Human Services

**(11)** AU-A-2021202227

**(21)** 2021202227 **(22)** 13.04.2021

**(54)** Anti-human papillomavirus 16 E7 T cell receptors

**(51)** Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )

**(43)** 06.05.2021

**(62)** 2019283892

**(72)** HINRICHS, Christian S.; ROSENBERG, Steven A.

**(74)** Spruson & Ferguson

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**Tianjin JC Environmental Services see Tianjin University**

**(21)** 2019460845

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**(71)** Tianjin University; Tianjin JC Environmental Services

**(11)** AU-A-2019460845

**(21)** 2019460845 **(22)** 26.11.2019

**(54)** High-efficiency petroleum degrading bacterium TDYN1T and use thereof

**(51)** Int. Cl.  
**C12N 1/26** ( 2006.01 )  
**B09C 1/10** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )

**(31)** 201910997997.5 **(32)** 21.10.19 **(33)** CN

**(43)** 06.05.2021

**(72)** ZHONG, Lei; TIAN, Jingnan; CHEN, Guanyi; TIAN, Shu; SUN, Yuru; WU, Wenzhu; MA, Wenchao

**(74)** Raven IP

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**(71)** Tingle, C.

**(11)** AU-A-2019250136

**(21)** 2019250136 **(22)** 16.10.2019

**(54)** COLLAPSIBLE LIGHT TUNNEL

**(51)** Int. Cl.  
**G01N 21/88** ( 2006.01 )  
**F21L 4/00** ( 2006.01 )  
**F21S 2/00** ( 2016.01 )  
**F21V 21/06** ( 2006.01 )  
**F21V 33/00** ( 2006.01 )

**(43)** 06.05.2021

**(72)** Tingle, Charlie

**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Toyota Jidosha Kabushiki Kaisha

**(11)** AU-A-2020256309

**(21)** 2020256309 **(22)** 12.10.2020

**(54)** Vehicle control device, vehicle control system, and vehicle control method

**(51)** Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**F02D 41/04** ( 2006.01 )  
**G05D 1/12** ( 2006.01 )

**(31)** 2019-191094 **(32)** 18.10.19 **(33)** JP

**(43)** 06.05.2021

**(72)** HASHIMOTO, Yohsuke; KATAYAMA, Akihiro; OSHIRO, Yuta; SUGIE, Kazuki; OKA, Naoya

**(74)** Spruson & Ferguson

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**(71)** Toyota Jidosha Kabushiki Kaisha

**(11)** AU-A-2020256347

**(21)** 2020256347 **(22)** 14.10.2020

**(54)** Vehicle control system, vehicle control device, and control method for a vehicle

**(51)** Int. Cl.  
**G06Q 50/30** ( 2012.01 )  
**B60W 30/00** ( 2006.01 )  
**F02D 41/02** ( 2006.01 )  
**G05D 27/02** ( 2006.01 )

**(31)** 2019-191095 **(32)** 18.10.19 **(33)** JP

**(43)** 06.05.2021

**(72)** HASHIMOTO, Yohsuke; KATAYAMA, Akihiro; OSHIRO, Yuta; SUGIE, Kazuki; OKA, Naoya

**(74)** Spruson & Ferguson

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**(71)** Toyota Jidosha Kabushiki Kaisha

**(11)** AU-A-2020256407



Applications Open to Public Inspection - Name Index cont'd

(21) 2020256407 (22) 15.10.2020  
 (54) Method of generating vehicle control data, vehicle control device, and vehicle control system  
 (51) Int. Cl.  
*F02D 11/10* ( 2006.01 )  
*F02D 41/24* ( 2006.01 )  
*G06Q 50/30* ( 2012.01 )  
 (31) 2019-191092 (32) 18.10.19 (33) JP  
 (43) 06.05.2021  
 (72) HASHIMOTO, Yohsuke; KATAYAMA, Akihiro; OSHIRO, Yuta; SUGIE, Kazuki; OKA, Naoya  
 (74) Spruson & Ferguson

(71) TuSimple, Inc.  
 (11) AU-A-2020256351  
 (21) 2020256351 (22) 14.10.2020  
 (54) Workflow management system  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
 (31) 16/656,494 (32) 17.10.19 (33) US  
 (43) 06.05.2021  
 (72) SUN, Lindong; ZHANG, Yidi; WANG, Song; RHEE, Chang Joon  
 (74) FB Rice Pty Ltd

(71) Tyas, M.  
 (11) AU-A-2020250267  
 (21) 2020250267 (22) 08.10.2020  
 (54) F M R "FMR" - Find My Remote This is a small device that attaches to a TV or DVD and their Remote Controls so that when a button is pushed on the TV or DVD, a Beep, Beep Signal and a Flashing Light is activated on the Remote Control of the TV and DVD. There will be two (2) types of units. Retrofitted FMR One to be retrofitted to existing TV and DVDs and their Remotes. Measuring no more than 5cm Long and 3cm Wide and Deep and sticks on with an appropriate glue. New Feature FMR - Newly Released TV / DVD Models 2nd a new feature wired/built into newly Released TV and DVDs  
 (51) Int. Cl.  
*G08B 21/24* ( 2006.01 )  
*G08C 17/00* ( 2006.01 )  
*G08C 17/02* ( 2006.01 )  
 (31) 2019903944 (32) 19.10.19 (33) AU  
 (43) 06.05.2021  
 (72) Tyas, Michael Anthony  
 (74) Sharon Feeley

(71) University of Science and Technology Beijing  
 (11) AU-A-2020257077  
 (21) 2020257077 (22) 21.01.2020  
 (54) Converter CO<sub>2</sub>-O<sub>2</sub> mixed injection smelting method and method of dynamically controlling fire point area temperature  
 (51) Int. Cl.  
*C22B 9/05* ( 2006.01 )  
 (31) 201910984480.2 (32) 16.10.19 (33) CN  
 (43) 06.05.2021  
 (72) ZHU, Rong; FENG, Chao; WEI, Guangsheng; HAN, Baochen; DONG, Kai;

WANG, Xueliang; WU, Wenhe; HU, Shaoyan; LI, Weifeng; JIANG, Juanjuan; DONG, Jianfeng  
 (74) Wallington-Dummer

(71) University of Ulsan Foundation for Industry Cooperation; The ASAN Foundation; SNU R&DB Foundation  
 (11) AU-A-2021202271  
 (21) 2021202271 (22) 15.04.2021  
 (54) S1PR4-targeting Composition for Preventing or Treating Non-alcoholic Steatohepatitis  
 (51) Int. Cl.  
*A61K 31/42* ( 2006.01 )  
*A23L 33/10* ( 2016.01 )  
*A61K 31/4192* ( 2006.01 )  
*A61K 31/66* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2018246796  
 (72) Koh, Eunhee; Lee, Kiup; Kim, Sanghee; Kim, Daeduk  
 (74) MARTIN IP PTY LTD

(71) Vaccinex, Inc.  
 (11) AU-A-2021202095  
 (21) 2021202095 (22) 06.04.2021  
 (54) Use of semaphorin-4D binding molecules for treating neurodegenerative disorders  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2019257379  
 (72) SMITH, Ernest S.; ZAUDERER, Maurice; BOWERS, William J.; JONASON, Alan  
 (74) Spruson & Ferguson

(71) Vaxxas Pty Limited  
 (11) AU-A-2021202221  
 (21) 2021202221 (22) 13.04.2021  
 (54) MICROPROJECTION ARRAY APPLICATOR AND METHOD  
 (51) Int. Cl.  
*A61M 37/00* ( 2006.01 )  
*A61B 17/20* ( 2006.01 )  
*A61M 5/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2016214968  
 (72) Junger, Michael Carl; Lemaire, Pierre Amand Vincent  
 (74) Davies Collison Cave Pty Ltd

(71) VIZ.AI, INC.  
 (11) AU-A-2021202168  
 (21) 2021202168 (22) 09.04.2021  
 (54) A Method and System for Computer-Aided Triage  
 (51) Int. Cl.  
*A61B 5/06* ( 2006.01 )  
*A61B 5/053* ( 2021.01 )  
*A61B 5/055* ( 2006.01 )

(43) 06.05.2021  
 (62) 2018288766  
 (72) MANSI, Christopher; GOLAN, David  
 (74) Pipers Intellectual Property

(71) Waymo LLC  
 (11) AU-A-2021202268  
 (21) 2021202268 (22) 14.04.2021  
 (54) ESTIMATING TIME TO PICK UP AND DROP OFF PASSENGERS FOR IMPROVED STOPPING ANALYSIS IN AUTONOMOUS VEHICLES  
 (51) Int. Cl.  
*B60W 30/18* ( 2012.01 )  
*B60W 30/14* ( 2006.01 )  
*B60W 40/10* ( 2012.01 )  
*B60W 50/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2018321467  
 (72) DYER, John Wesley; TORRES, Luis; CHEN, Yu-Hsin; EPSTEIN, Michael  
 (74) RnB IP Pty Ltd

(71) Westinghouse Air Brake Technologies Corporation  
 (11) AU-A-2021202261  
 (21) 2021202261 (22) 14.04.2021  
 (54) SYSTEM AND METHOD FOR ADAPTIVE BRAKING  
 (51) Int. Cl.  
*B61H 9/00* ( 2006.01 )  
*B61H 13/34* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2018375539  
 (72) Venkatasubramanian, Sathya Vagheeswar; Wilson, M. Frank  
 (74) Phillips Ormonde Fitzpatrick

(71) Wisk Aero LLC  
 (11) AU-A-2021202178  
 (21) 2021202178 (22) 09.04.2021  
 (54) Multicopter with angled rotors  
 (51) Int. Cl.  
*B64C 27/00* ( 2006.01 )  
 (43) 06.05.2021  
 (62) 2017346502  
 (72) Tighe, James Joseph; Allison, Eric  
 (74) Davies Collison Cave Pty Ltd

(71) Wonderland Switzerland AG  
 (11) AU-A-2020256379  
 (21) 2020256379 (22) 15.10.2020  
 (54) SYNCHRONOUS FOLDING MECHANISM AND STROLLER HAVING THE SAME  
 (51) Int. Cl.  
*B62B 7/08* ( 2006.01 )  
 (31) 201910990912.0 (32) 17.10.19 (33) CN  
 (43) 06.05.2021  
 (72) Yuan, Jialiang  
 (74) Phillips Ormonde Fitzpatrick

(71) Xertified AB  
 (11) AU-A-2020250279  
 (21) 2020250279 (22) 08.10.2020

## Applications Open to Public Inspection - Name Index cont'd

- (54) Systems And Methods For Receiving  
And Transmitting Communication Sig-  
nals  
(51) Int. Cl.  
*H04L 9/30* ( 2006.01 )  
*G06F 21/60* ( 2013.01 )  
*H04W 12/00* ( 2009.01 )  
(31) 19204398.2 (32) 21.10.19 (33) EP  
(43) 06.05.2021  
(72) ERIKSSON, Martin; ALM, Jens  
(74) WRAYS PTY LTD
- 

- (71) ZeniMax Media Inc.  
(11) AU-A-2021202099  
(21) 2021202099 (22) 06.04.2021  
(54) Systems and methods for en-  
coder-guided adaptive-quality rendering  
(51) Int. Cl.  
*G06K 9/36* ( 2006.01 )  
(43) 06.05.2021  
(62) 2018254591  
(72) KOPIETZ, Michael  
(74) Spruson & Ferguson
- 

- (71) Zhuhai Jingdian Electronics Co. Ltd  
(11) AU-A-2020250207  
(21) 2020250207 (22) 07.10.2020  
(54) An Unmanned Aerial Vehicle  
(51) Int. Cl.  
*B64C 39/02* ( 2006.01 )  
*B63G 8/00* ( 2006.01 )  
(31) 2009217680091 (32) 21.10.19 (33) CN  
(43) 06.05.2021  
(72) Wang, Shuquan  
(74) McCABE & COMPANY
- 

- (71) Zoetis Services LLC  
(11) AU-A-2021202253  
(21) 2021202253 (22) 14.04.2021  
(54) SIGNAL AMPLIFICATION IN PLAS-  
MONIC SPECIFIC-BINDING PARTNER  
ASSAYS  
(51) Int. Cl.  
*G01N 33/553* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
*C40B 40/10* ( 2006.01 )  
(43) 06.05.2021  
(62) 2015301632  
(72) Mehra, Rajesh K.; Aron, Kenneth P.;  
Chiang, Vincent; Krell, Asher  
(74) Pizzeyes Patent and Trade Mark Attor-  
neys Pty Ltd

Numerical Index

2019250136	Tingle, C.	2021202106	Square, Inc.
2019250202	Caterpillar Underground Mining Pty Ltd	2021202107	Negrete Hernandez, J.E.
2019253774	Austin Engineering Limited	2021202108	Shell Internationale Research Maatschappij B.V.
2019271880	Cubic Corporation	2021202110	BioNet Pharma GmbH
2019271932	Hunter Douglas Inc.	2021202113	The Regents of the University of Michigan
2019449032	BioBo GmbH	2021202116	Critical Care Diagnostics, Inc.
2019460845	Tianjin University; Tianjin JC Environmental Services	2021202117	Becton, Dickinson and Company
2020201043	Church & Dwight Co., Inc.	2021202118	Boehringer Ingelheim Animal Health USA Inc.
2020203176	Fuji Xerox Co., Ltd.	2021202119	Epizyme, Inc.
2020203177	Fuji Xerox Co., Ltd.	2021202121	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited
2020203188	Fuji Xerox Co., Ltd.		F. Hoffmann-La Roche AG
2020205328	Deere & Company	2021202122	Lunella Biotech, Inc.
2020220218	Heiniger Limited	2021202123	Bidgely Inc.
2020230222	Heraeus Medical GmbH	2021202124	Northrop Grumman Systems Corporation
2020233600	Deere & Company	2021202125	Huawei Technologies Co., Ltd.
2020233719	Prysmian S.p.A.	2021202126	Intuit Inc.
2020239808	Aristocrat Technologies, Inc.	2021202128	Alarm.com Incorporated
2020239831	Motorola Solutions, Inc.	2021202129	Palmer Labs, LLC; 8 Rivers Capital, LLC
2020250194	Deere & Company	2021202130	Inhibrx, Inc.
2020250207	Zhuhai Jingdian Electronics Co. Ltd	2021202131	CytoDyn Inc.
2020250243	Snap-on Incorporated	2021202132	ConMed Corporation
2020250244	Snap-on Incorporated	2021202133	Hanmi Pharm. Co., Ltd.
2020250252	Paloma Co., Ltd	2021202134	The Coca-Cola Company; PureCircle Sdn Bhd
2020250257	Arthrex, Inc.	2021202135	IsoLynx, LLC
2020250267	Tyas, M.	2021202136	SEGAL, C.
2020250279	Xertified AB	2021202139	ClearStream Technologies Limited
2020256296	Cape 11 Pty Ltd	2021202145	BIO-RAD LABORATORIES, INC.
2020256300	Heraeus Medical GmbH	2021202147	Illumina Cambridge Limited
2020256309	Toyota Jidosha Kabushiki Kaisha	2021202149	Absolute Graphic Technologies USA, Inc.
2020256347	Toyota Jidosha Kabushiki Kaisha	2021202151	Cooke & Dowsett Pty Ltd
2020256351	TuSimple, Inc.	2021202153	NuVasive, Inc.
2020256367	PGS Geophysical AS	2021202154	Rovi Guides, Inc.
2020256379	Wonderland Switzerland AG	2021202157	The United States of America, as represented by the Secretary, Department of Health and Human Services
2020256381	Core Contracting Services Pty Ltd	2021202158	Netflix, Inc.
2020256407	Toyota Jidosha Kabushiki Kaisha	2021202161	One World LED Pty Ltd
2020256418	LEGRAND FRANCE; LEGRAND SNC	2021202164	Kelleher, H.J.
2020256419	LEGRAND FRANCE; LEGRAND SNC	2021202167	VIZ.AI, INC.
2020256438	Microtec S.r.l.	2021202168	FMC QUÍMICA DO BRASIL LTDA.
2020256445	Gruppo Cimbali S.p.A.	2021202169	Fybr
2020256451	Hill & Smith Limited	2021202171	Colgate-Palmolive Company
2020256453	SAPPORO HOLDINGS LIMITED	2021202174	Wisk Aero LLC
2020256456	Textron Systems Corporation	2021202178	Epitech Group S.p.A.
2020256470	Ratahi, T.	2021202182	Swirl Technologies Pty Ltd
2020256471	Cattle King Agricultural Services Pty Ltd	2021202183	Syqe Medical Ltd.
2020257058	Jeld-Wen, Inc.	2021202185	De Ridder, D.
2020257065	Cummins, E.	2021202186	Nevro Corporation
2020257077	University of Science and Technology Beijing	2021202187	Netflix, Inc.
2020257081	Griffiths, J.A.	2021202189	SomaLogic, Inc.
2020257098	Bombardier Transportation GmbH	2021202190	FISHER & PAYKEL HEALTHCARE LIMITED
2020257118	Grunt Box Pty Ltd	2021202193	Reg Life Sciences, LLC
2020257121	Architectural Window Systems Pty Ltd	2021202194	F. Hoffmann-La Roche AG; GENENTECH, INC.
2020257122	HONEYWELL INTERNATIONAL INC.	2021202196	HLI Cellular Therapeutics, LLC
2020264259	Coupage Corp.	2021202201	SANGENIC INTERNATIONAL LIMITED
2020264267	Coupage Corp.	2021202203	BASF SE
2020323962	ResMed Pty Ltd	2021202206	Oceaneering International, Inc.
2020327347	Citrix Systems, Inc.	2021202208	Oceaneering International, Inc.
2021201850	Bolton, L.	2021202209	Oceaneering International, Inc.
2021202083	Braun GmbH	2021202210	Mezzion Pharma Co., Ltd; Children's Hospital of Philadelphia
2021202095	Vaccinex, Inc.	2021202212	GEA Farm Technologies, Inc.
2021202096	Tecnored Desenvolvimento Tecnológico S.A.	2021202216	AgBiome, Inc.
2021202097	RESERO PTY LTD	2021202218	Takeda Pharmaceutical Company Limited
2021202098	Huawei Technologies Co., Ltd.	2021202219	THE SCRIPPS RESEARCH INSTITUTE; EPIC SCIENCES, INC.
2021202099	ZeniMax Media Inc.	2021202220	Vaxxas Pty Limited
2021202100	Crestovo Holdings LLC.		
2021202101	Chevron U.S.A. Inc.		
2021202102	BASF Agro B.V.		
2021202103	Milliken & Company		
2021202105	MTD PRODUCTS INC		

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<b>2021202223</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2021202224</b>	Sarepta Therapeutics, Inc.
<b>2021202225</b>	Apple Inc.
<b>2021202226</b>	Grand Performance Online Pty Ltd
<b>2021202227</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2021202228</b>	Fisher & Paykel Healthcare Limited
<b>2021202229</b>	Deep Brain Innovations LLC
<b>2021202246</b>	Baxter Healthcare SA; Baxter International Inc
<b>2021202248</b>	Kenall Manufacturing Company
<b>2021202249</b>	Fisher & Paykel Healthcare limited
<b>2021202250</b>	Baxter Corporation Englewood
<b>2021202253</b>	Zoetis Services LLC
<b>2021202254</b>	Apple Inc.
<b>2021202255</b>	Apple Inc.
<b>2021202257</b>	Memorial Sloan-Kettering Cancer Center
<b>2021202258</b>	Grand Performance Online Pty Ltd
<b>2021202259</b>	Memorial Sloan-Kettering Cancer Center
<b>2021202260</b>	7 Hills Pharma LLC
<b>2021202261</b>	Westinghouse Air Brake Technologies Corporation
<b>2021202262</b>	GE Global Sourcing LLC
<b>2021202263</b>	Bruin Biometrics, LLC
<b>2021202265</b>	Bruin Biometrics LLC
<b>2021202266</b>	COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD.
<b>2021202267</b>	Parallel Wireless, Inc.
<b>2021202268</b>	Waymo LLC
<b>2021202269</b>	Oren Technologies, LLC
<b>2021202271</b>	University of Ulsan Foundation for Industry Cooperation; The ASAN Foundation; SNU R&DB Foundation
<b>2021202273</b>	IdentiFlight International, LLC
<b>2021202274</b>	The Board of Trustees of the University of Illinois; Fred Hutchinson Cancer Research Center
<b>2021202275</b>	Jubilant Draximage Inc.; Ottawa Heart Institute Research Corporation

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<b>A01D 69 /-</b> 2021202105	<b>A47F 5 /-</b> 2020250244	<b>A61K 47 /-</b> 2021202110 2021202118	<b>A61P 31 /-</b> 2021202122 2021202224	<b>B25B 23 /-</b> 2020250243	<b>B64C 39 /-</b> 2020250207
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<b>A23L 27 /-</b> 2021202135	<b>A61K 35 /-</b> 2021202100	<b>A61M 5 /-</b> 2021202219 2021202221 2021202246	<b>B01D 35 /-</b> 2021202151	<b>B61H 13 /-</b> 2021202261	<b>C02F 9 /-</b> 2021202151
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<b>A41D 19 /-</b> 2020257081			<b>B07B 4 /-</b> 2021202269	<b>B62B 7 /-</b> 2020256379	<b>C07K 14 /-</b> 2021202100 2021202110 2021202158 2021202218 2021202227 2021202253 2021202274
<b>A45C 11 /-</b> 2020257118			<b>B07B 7 /-</b> 2021202269	<b>B63G 8 /-</b> 2020250207	
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<b>C07K 19/-</b> 2021202194	<b>E03C 1/-</b> 2021202153	<b>F21V 31/-</b> 2020256296	<b>G05D 1/-</b> 2019250202 2020256309 2021202208 2021202209 2021202210	<b>H01F 27/-</b> 2021202107	
<b>C08K 5/-</b> 2021202206	<b>E04B 1/-</b> 2021202266	<b>F21V 33/-</b> 2019250136 2021202248	<b>G05D 13/-</b> 2019250202	<b>H01H 71/-</b> 2020256418 2020256419	
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<b>C12N 5/-</b> 2021202223	<b>E06B 9/-</b> 2019271932	<b>F27B 1/-</b> 2021202096	<b>G07C 13/-</b> 2021202139	<b>H02P 29/-</b> 2019271932	
<b>C12N 9/-</b> 2021202194	<b>E21C 35/-</b> 2019250202	<b>G01N 1/-</b> 2021202117	<b>G07F 17/-</b> 2020239808	<b>H03F 3/-</b> 2020239831	
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<b>C12R 1/-</b> 2019460845	<b>F02C 3/-</b> 2021202130	<b>G01N 27/-</b> 2021202117	<b>G08B 15/-</b> 2021202273	<b>H04L 29/-</b> 2021202157	
<b>C21B 11/-</b> 2021202096	<b>F02C 6/-</b> 2021202130	<b>G01N 30/-</b> 2021202147	<b>G08B 21/-</b> 2020250267	<b>H04L 9/-</b> 2020250279	
<b>C21B 13/-</b> 2021202096	<b>F02D 11/-</b> 2020256407	<b>G01N 33/-</b> 2021202119 2021202147 2021202190 2021202220 2021202253	<b>G06F 3/-</b> 2020327347 2021202098 2021202128 2021202254 2021202255	<b>H04M 1/-</b> 2021202254	
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**No IPC Mark**

**Innovation Patents Open to Public Inspection**

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. (\*) Title not in Roman characters

. (\*\*) Title not given

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

<hr/> <p>„ S. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ S. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ K.K. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ P.P. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ M.K.A.S. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ A. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ A. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ S. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ K.A.B. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ S. see HUMCEN GLOBAL PVT.LTD (21) 2021101304</p> <hr/> <p>„ S. see Padmaja, S. (21) 2021100903</p> <hr/> <p>„ B. see Dahivale, R.P. (21) 2021101231</p> <hr/> <p>A, E. see M, M. (21) 2021101121</p> <hr/> <p>A., D. see L., R. (21) 2021101292</p> <hr/> <p>A., P.K. see L., R. (21) 2021101292</p> <hr/>	<p>(71) Acharya, B.; Kalra, D.; Pradhan, M.R.; Mago, B.; Jamader, A.R.; Das, P. (11) AU-A-2021100669 (21) 2021100669 (22) 03.02.2021 (54) INTELLIGENT AGRICULTURE PROTECTION DEVICE (51) Int. Cl. A01M 29/16 ( 2011.01 ) A01B 79/00 ( 2006.01 ) G06K 9/00 ( 2006.01 ) (45) 06.05.2021 (72) Acharya, Biswaranjan; Kalra, Deepak; Pradhan, Manas Ranjan; Mago, Beenu; Jamader, Asik Rahaman; Das, Puja (74) Biswaranjan Acharya</p> <hr/> <p>(71) Acharya, B.; Sahoo, P.R.; Pandharbale, P.B.; Kamble, T.; Ghuge, M.; Mishra, P.K.; Das, D.; Das, P.; Jamader, A.R. (11) AU-A-2021100671 (21) 2021100671 (22) 03.02.2021 (54) INTELLIGENT MEDICAL MONITORING APPARATUS FOR INSTANT HELP (51) Int. Cl. A61B 5/00 ( 2006.01 ) A61B 5/0205 ( 2006.01 ) A61B 5/021 ( 2006.01 ) A61B 5/024 ( 2006.01 ) A61B 5/11 ( 2006.01 ) G08B 21/02 ( 2006.01 ) G08B 25/01 ( 2006.01 ) G08B 25/10 ( 2006.01 ) G06Q 50/26 ( 2012.01 ) G08B 1/08 ( 2006.01 ) G16H 15/00 ( 2018.01 ) (45) 06.05.2021 (72) Acharya, Biswaranjan; Sahoo, Priti Ranjan; Pandharbale, Priya B.; Kamble, Torana; Ghuge, Madhuri; Mishra, Pradipta Kumar; Das, Debashreet; Das, Puja; Jamader, Asik Rahaman (74) Biswaranjan Acharya</p> <hr/> <p><b>Acharya, B. see Mohapatra, A.</b> (21) 2021101296</p> <hr/> <p><b>Agarwal, U. see College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur</b> (21) 2021100602</p> <hr/> <p><b>Agarwal, S. see Jaiswal, S.</b> (21) 2021101172</p> <hr/> <p><b>Ahmad Khan, N. see Panda, R.C.</b> (21) 2021100831</p>	<hr/> <p><b>Ahmed, A.A.A. see Verma, B.K.</b> (21) 2021101194</p> <hr/> <p>(71) AIBUILD PTY LTD (11) AU-A-2021101323 (21) 2021101323 (22) 14.03.2021 (54) Method for fall prevention, fall detection and electronic fall event alert system for aged care facilities (51) Int. Cl. G16H 50/00 ( 2018.01 ) A61B 5/00 ( 2006.01 ) A61B 5/11 ( 2006.01 ) G08B 21/04 ( 2006.01 ) G06N 20/10 ( 2019.01 ) G06Q 50/22 ( 2018.01 ) (31) 2021900262 (32) 04.02.21 (33) AU (45) 06.05.2021 (72) Wang, Yifei; Yi, Jun; Zhou, Taicheng; Zhang, Simon Chaoxin; Hu, Zejun; Zhang, Chaorong (74) AIBUILD PTY LTD</p> <hr/> <p><b>Alam, M.S. see Upreti, K.</b> (21) 2021101132</p> <hr/> <p><b>Amir, M. see Singh, M.</b> (21) 2021101318</p> <hr/> <p>(71) Anhui Academy of Agricultural Sciences Institute of Fisheries (11) AU-A-2021101216 (21) 2021101216 (22) 09.03.2021 (54) A turtle and lotus root ecological Symbiosis system and green planting-feeding method (51) Int. Cl. A01G 22/25 ( 2018.01 ) (45) 06.05.2021 (72) Jiang, Yelin; Wang, Fen; Song, Guangtong; Chen, Zhu; Zhang, Ye; Hou, Guanjuan; Ji, Suofei; Jiang, He; Ji-ang, Jun; Fang, Guoxia; Chen, Yao-hu; Wang, Jiajia; Wang, Ling; Xu, Bin; Zhou, Xiang; Jiang, Jingling; Somony, Thay; Phyo, Sandi; Zhang, Taixiang; Li, Hu; Wu, Yuchun; Su, Youfeng; Mao, Zaihua (74) Alder IP Pty Ltd</p> <hr/> <p>(71) Anhui Academy of Agricultural Sciences Institute of Fisheries (11) AU-A-2021101217 (21) 2021101217 (22) 09.03.2021</p>
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(51) Int. Cl.  
**A01G 22/22** ( 2018.01 )  
**A01K 61/10** ( 2017.01 )

(45) 06.05.2021  
 (72) Jiang, Yelin; Wang, Fen; Song, Guangtong; Chen, Zhu; Chen, Yaohu; Hou, Guanjun; Jiang, He; Jiang, Jun; Ji, Suofei; Wang, Ling; Fang, Guoxia; Zhang, Guoqian; Zhou, Xiang; Xu, Bin; Jiang, Jingling; Gu, Juan; Somony, Thay; Phyo, Sandi; Wu, Yuchun; Su, Youfeng; Mao, Zaihua

(74) Alder IP Pty Ltd

(71) Animal Products Quality and Safety Center of Shandong Province

(11) AU-A-2021101224  
 (21) 2021101224 (22) 09.03.2021

(54) A LAMP detection method for identifying mink in beef and mutton

(51) Int. Cl.  
**C12Q 1/6844** ( 2018.01 )  
**C12Q 1/6888** ( 2018.01 )

(45) 06.05.2021  
 (72) Liu, Shaoning; Chen, Zhi; Xu, Enmin; Wu, Jiaqiang; Li, Junling; Wang, Guisheng; Zhao, Xiangyang; Sun, Wenbo; Ma, Yanfang; Guo, Teng; Xiang, Fei; Yan, Yun

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(71) Anusuya, G.S.; Manikandan, E.

(11) AU-A-2021100927  
 (21) 2021100927 (22) 18.02.2021

(54) A PROCESS FOR SUCCESSFUL MANAGEMENT OF COVID 19 POSITIVE PATIENTS

(51) Int. Cl.  
**A61K 36/58** ( 2006.01 )  
**A61K 31/12** ( 2006.01 )  
**A61K 31/375** ( 2006.01 )  
**A61K 31/424** ( 2006.01 )  
**A61K 31/426** ( 2006.01 )  
**A61K 31/43** ( 2006.01 )  
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**A61K 31/513** ( 2006.01 )  
**A61K 31/675** ( 2006.01 )  
**A61K 33/30** ( 2006.01 )  
**A61K 36/81** ( 2006.01 )  
**A61K 36/8962** ( 2006.01 )  
**A61K 36/9066** ( 2006.01 )  
**A61K 36/9068** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )

(45) 06.05.2021  
 (72) Anusuya, Ganesh Shanmugasundaram; Manikandan, E.

(74) Ganesh Shanmugasundaram Anusuya

Aquatar, M.O. see Verma, B.K.

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(21) 2021101279

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(21) 2021101172

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(21) 2021101278

Arthi, K. see M, L.

(21) 2020104405

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(21) 2021101274

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(21) 2021101258

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(21) 2021101193

(71) B, P.; Reddy, A.; Divakar, B.P.; Dash, R.; Balaji, A.; Bharat, M.; Tamrakar, S.

(11) AU-A-2021101096

(21) 2021101096 (22) 02.03.2021

(54) NOVEL SINGLE-PHASE PREVENTER FOR THREE PHASE INDUCTION MOTOR USING NEUTRAL – STAR CLAMPED METHOD

(51) Int. Cl.  
**H02H 3/16** ( 2006.01 )  
**H02H 3/32** ( 2006.01 )  
**H02H 3/33** ( 2006.01 )  
**H02H 7/08** ( 2006.01 )  
**H02H 7/09** ( 2006.01 )  
**H02H 7/04** ( 2006.01 )

(45) 06.05.2021

(72) B, Pavan; Reddy, Adinarayana; Divakar, B. P.; Dash, Ritesh; Balaji, Aditya; Bharat, Manish; Tamrakar, Sitendra

(74) Pavan B

(71) B, R.; S, K.D.; MOBI, R.; S V, S.; CB, S.

(11) AU-A-2021101126

(21) 2021101126 (22) 02.03.2021

(54) E-HEALTH PORTAL MANAGEMENT FOR ENSURING SAFETY DURING PANDEMIC SITUATION

(51) Int. Cl.  
**G16H 50/80** ( 2018.01 )

(45) 06.05.2021

(72) B. REVATHY; S. KALPANA DEVI; MOBI, RAJENDRAN; S. V.SUBBURAJ; C.B. SENTHILKUMAR

(74) viji arun

(71) B.S, S.; SANJEEV, L.; H.N, G.

(11) AU-A-2021101301

(21) 2021101301 (22) 12.03.2021

(54) A CRITICAL EVALUATIVE PROCESS FOR THE GROUNDWATER STABILITY INDICES

(51) Int. Cl.  
**G01N 33/18** ( 2006.01 )

(45) 06.05.2021

(72) B.S, SHANKAR; SANJEEV, LATHA; H.N, GAYATHRI

(74) SHANKAR B.S

(71) B.S, S.; H.N, G.; SANJEEV, L.

(11) AU-A-2021101309

(21) 2021101309 (22) 12.03.2021

(54) COST EFFECTIVE WATER FILTRATION SYSTEM AND TREATMENT METHOD THEREOF

(51) Int. Cl.  
**C02F 1/28** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
**C02F 101/16** ( 2006.01 )

(45) 06.05.2021

(72) B. S., SHANKAR; H. N., GAYATHRI; SANJEEV, LATHA

(74) SHANKAR B.S

Babu, S.S.S. see Usman, M.R.M.

(21) 2021101125

Babu, C.S. see Mummadi, U.K.

(21) 2021101322

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(21) 2021101259

Bachhav, S.P. see Khedkar, E.B.

(21) 2021101148

Balaji, A. see B, P.

(21) 2021101096

Bandgar, S.A. see Raut, I.D.

(21) 2021101145

Bari, M.A. see Shashidhar, K.

(21) 2021101316

Barker, R.J. see Keogh, M.H.M.

(21) 2021101203

Basheer, Q.M.A. see Shashidhar, K.

(21) 2021101316

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(21) 2021101243

(71) Battery Graphene Corp Pty Ltd

(11) AU-A-2021101290

(21) 2021101290 (22) 12.03.2021

(54) A Battery Assembly

(51) Int. Cl.  
**H01M 50/213** ( 2021.01 )  
**H01M 10/613** ( 2014.01 )  
**H01M 10/643** ( 2014.01 )  
**H01M 10/653** ( 2014.01 )

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*H01M 10/6556* ( 2014.01 )  
*H01M 10/6567* ( 2014.01 )  
*H01M 50/244* ( 2021.01 )  
*H05K 7/04* ( 2006.01 )  
*H05K 7/20* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Spooner, Dominic  
**(74)** Spruson & Ferguson

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**Begum, S.F. see Shashidhar, K.**  
**(21)** 2021101316

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**(71)** BEIHANG UNIVERSITY  
**(11)** AU-A-2021101241  
**(21)** 2021101241 **(22)** 10.03.2021  
**(54)** SVM-BASED FAULT DETECTION METHOD FOR HIGH-SPEED RAILWAY BRAKING SYSTEM BY OVER SAMPLING USING GWO  
**(51)** Int. Cl.  
*B61L 23/02* ( 2006.01 )  
*G06N 20/10* ( 2019.01 )  
**(31)** 202011172762.1 **(32)** 28.10.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** ZHANG, Hui; SHI, Qian  
**(74)** Baxter Patent Attorneys Pty Ltd

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**Beijing Health Information Medical Technology Inc see Beijing Institute of Nutritional Resources**  
**(21)** 2021101133

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**Beijing Health Information Medical Technology Inc. see Beijing Institute of Nutritional Resources**  
**(21)** 2021101026

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**Beijing Health Information Medical Technology Inc. see Beijing Institute of Nutritional Resources**  
**(21)** 2021101134

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**(71)** Beijing Information Science and Technology University  
**(11)** AU-A-2021100869  
**(21)** 2021100869 **(22)** 12.02.2021  
**(54)** A Type of Sensitive Element Used for Manufacturing a High-sensitivity Underwater Acoustic Transducer and its Preparation Method  
**(51)** Int. Cl.  
*H04R 17/00* ( 2006.01 )  
*G10K 11/00* ( 2006.01 )  
*H01L 41/047* ( 2006.01 )  
*H01L 41/08* ( 2006.01 )  
*H01L 41/22* ( 2013.01 )  
*H04R 1/02* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** WANG, Hongwei; HUANG, Qiguo  
**(74)** WRAYS PTY LTD

**(71)** Beijing Institute of Nutritional Resources; Beijing Health Information Medical Technology Inc.  
**(11)** AU-A-2021101026  
**(21)** 2021101026 **(22)** 24.02.2021  
**(54)** A nutritional composition for improving the motor system function of the elderly and its preparation method and application  
**(51)** Int. Cl.  
*A61K 35/20* ( 2006.01 )  
*A23L 33/00* ( 2016.01 )  
*A23L 33/15* ( 2016.01 )  
*A23L 33/16* ( 2016.01 )  
*A23L 33/175* ( 2016.01 )  
*A23L 33/18* ( 2016.01 )  
*A23L 33/19* ( 2016.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 9/48* ( 2006.01 )  
*A61K 31/10* ( 2006.01 )  
*A61K 31/12* ( 2006.01 )  
*A61K 31/122* ( 2006.01 )  
*A61K 31/19* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61K 31/355* ( 2006.01 )  
*A61K 31/375* ( 2006.01 )  
*A61K 31/4415* ( 2006.01 )  
*A61K 31/51* ( 2006.01 )  
*A61K 31/525* ( 2006.01 )  
*A61K 31/592* ( 2006.01 )  
*A61K 31/593* ( 2006.01 )  
*A61K 31/714* ( 2006.01 )  
*A61K 31/722* ( 2006.01 )  
*A61K 33/06* ( 2006.01 )  
*A61K 35/57* ( 2015.01 )  
*A61K 36/899* ( 2006.01 )  
*A61K 38/01* ( 2006.01 )  
*A61K 38/39* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
*A61P 19/08* ( 2006.01 )  
*A61P 19/10* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** He, Mei; Chen, Zhaoqing; Wang, Xuemin; Zhang, Yan; Han, Lili  
**(74)** Alder IP Pty Ltd

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**(71)** Beijing Institute of Nutritional Resources; Beijing Health Information Medical Technology Inc  
**(11)** AU-A-2021101133  
**(21)** 2021101133 **(22)** 03.03.2021  
**(54)** A dietary aid suitable for preparing the vegetable-based easy-to-eat food for the elderly and its application  
**(51)** Int. Cl.  
*A23L 19/00* ( 2016.01 )  
*A23L 29/231* ( 2016.01 )  
*A23L 29/269* ( 2016.01 )  
*A23L 29/294* ( 2016.01 )  
*A23L 33/00* ( 2016.01 )  
**(45)** 06.05.2021  
**(72)** He, Mei; Han, Lili; Zhang, Yan; Zhou, Hao; Chen, Zhaoqing; Wang, Xuemin; Liu, Lu; Zheng, Chenxi; Sun, Fengyi  
**(74)** Alder IP Pty Ltd

**(71)** Beijing Institute of Nutritional Resources; Beijing Health Information Medical Technology Inc.  
**(11)** AU-A-2021101134  
**(21)** 2021101134 **(22)** 03.03.2021  
**(54)** A stable medical liquid enteral nutrition composition and its preparation method  
**(51)** Int. Cl.  
*A23L 33/00* ( 2016.01 )  
*A23L 2/66* ( 2006.01 )  
*A23L 33/115* ( 2016.01 )  
*A23L 33/125* ( 2016.01 )  
*A23L 33/15* ( 2016.01 )  
*A23L 33/16* ( 2016.01 )  
*A23L 33/185* ( 2016.01 )  
*A23L 33/19* ( 2016.01 )  
**(45)** 06.05.2021  
**(72)** He, Mei; Han, Lili; Liu, Lu; Wang, Xuemin; Chen, Zhaoqing; Zhang, Yan; Sun, Fengyi; Zhou, Hao  
**(74)** Alder IP Pty Ltd

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**Beijing Institute of Petrochemical Technology see Research Institute of Highway Ministry of Transport**  
**(21)** 2021101178

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**Belerao, K.T. see Singh, L.**  
**(21)** 2021101256

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**(71)** Bellum, R.R.; Muniraj, K.; Madduru, S.R.C.; Kumar Reddy, K.H.; Venkatesh, C.; Reddy Indukuri, C.S.  
**(11)** AU-A-2021101075  
**(21)** 2021101075 **(22)** 28.02.2021  
**(54)** GEOPOLYMER CONCRETE PAVEMENT CONSTRUCTION MATERIALS AND METHOD THEREOF  
**(51)** Int. Cl.  
*C04B 28/00* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Bellum, Ramamohana Reddy; Muniraj, Karthikeyan; Madduru, Sri Rama Chand; Kumar Reddy, Komma Hemanth; Venkatesh, Chava; Reddy Indukuri, Chandra Sekhar  
**(74)** Ramamohana Reddy Bellum

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**Belsam Jeba Ananth, M. see Peroumal, V.**  
**(21)** 2021101272

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**(71)** Bewoor, L.A.; Kale, P.; Panchpor, M.  
**(11)** AU-A-2021101273  
**(21)** 2021101273 **(22)** 11.03.2021  
**(54)** A STREAMLINE TRAFFIC SIGN CLASSIFICATION SYSTEM UTILIZING CONVOLUTIONAL NEURAL NETWORK MODEL  
**(51)** Int. Cl.  
*G06K 9/00* ( 2006.01 )  
*G06N 3/08* ( 2006.01 )  
*G06K 9/62* ( 2006.01 )  
*G10L 13/08* ( 2013.01 )

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 Panchpor, Mayuresh  
 (74) Laxmi A. Bewoor

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 (21) 2021101193

**Bharamagoudar, G.R. see Jaiswal, S.**  
 (21) 2021101174

**Bharat, M. see B, P.**  
 (21) 2021101096

**Bharti, P.K. see Deswal, L.**  
 (21) 2021100983

**Bhasin, N.K. see Dahivale, R.P.**  
 (21) 2021101231

**Bhatia, J. see Deep, K.**  
 (21) 2021101131

(71) Bhattacharyya, S.; Basu, A.; De, S.;  
 Platoš, J.; Snasel, V.; Mršić, L.  
 (11) AU-A-2021101243  
 (21) 2021101243 (22) 10.03.2021  
 (54) A MULTILEVEL IMAGE SEGMENTA-  
 TION HARDWARE  
 (51) Int. Cl.  
*G06T 7/136* ( 2017.01 )  
*G06T 1/20* ( 2006.01 )  
*G06K 9/38* ( 2006.01 )  
 (45) 06.05.2021  
 (72) Bhattacharyya, Siddhartha; Basu,  
 Abhishek; De, Sourav; Platoš, Jan;  
 Snasel, Vaclav; Mršić, Leo  
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**Bhuvana, J. see koshariya, A.K.**  
 (21) 2021101274

(71) Bozhou University  
 (11) AU-A-2021101180  
 (21) 2021101180 (22) 05.03.2021  
 (54) A Special Baby Wet Wipe Capable of  
 Antisepsis, Anti-inflammation, Anti-  
 pruritus and Eczema Removal  
 (51) Int. Cl.  
*A61K 36/355* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/70* ( 2006.01 )  
*A61K 36/287* ( 2006.01 )  
*A61K 36/288* ( 2006.01 )  
*A61K 36/534* ( 2006.01 )  
*A61K 36/78* ( 2006.01 )  
*A61K 36/82* ( 2006.01 )  
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 (72) Yang, Yongjian; Lu, Baowei; Ge, Yue;  
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 Wang, Wenjian; Xia, Youfu; Zuo,  
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 (74) Alder IP Pty Ltd

(71) Bozhou University  
 (11) AU-A-2021101182  
 (21) 2021101182 (22) 05.03.2021  
 (54) A formula of pure natural plant antimi-  
 crobial health care wipes and its pre-  
 paration method  
 (51) Int. Cl.  
*A61K 36/287* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/70* ( 2006.01 )  
*A61K 36/28* ( 2006.01 )  
*A61K 36/288* ( 2006.01 )  
*A61K 36/31* ( 2006.01 )  
*A61K 36/355* ( 2006.01 )  
*A61K 36/88* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )

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 (72) Yang, Yongjian; Lu, Baowei; Ge, Yue;  
 Tang, Jian; An, Fengxia; Zhu, Ming;  
 Wang, Wenjian; Shen, Yue; Yan, Pan;  
 Zhi, Yunkun; Zhang, Jin; Wang, Mengli  
 (74) Alder IP Pty Ltd

(71) Burrows, K.D.  
 (11) AU-A-2021101141  
 (21) 2021101141 (22) 03.03.2021  
 (54) A WIND TURBINE SYSTEM  
 (51) Int. Cl.  
*F03D 9/17* ( 2016.01 )  
*F03D 9/28* ( 2016.01 )  
 (31) 2020900683 (32) 05.03.20 (33) AU  
 (45) 06.05.2021  
 (72) Burrows, Kenneth David  
 (74) KINGS PATENT & TRADE MARKS AT-  
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**Byreddy, N. see K, V.S.M.B.**  
 (21) 2021100745

**C, A.S. see M, L.**  
 (21) 2020104405

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 (21) 2021100903

**C, C. see M, M.**  
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 (21) 2021101231

**C, C.N. see Shashidhar, K.**  
 (21) 2021101316

(71) Cazzulino, A.  
 (11) AU-A-2021100739  
 (21) 2021100739 (22) 06.02.2021  
 (54) Support Brief  
 (51) Int. Cl.  
*A41B 9/04* ( 2006.01 )  
*A61F 7/00* ( 2006.01 )  
*A61F 7/02* ( 2006.01 )

(45) 06.05.2021  
 (72) Cazzulino, Amelie  
 (74) Amelie Cazzulino

**CB, S. see B, R.**  
 (21) 2021101126

**CB, R. see Peroumal, V.**  
 (21) 2021101272

**Chakrabarti, T. see Korra, S.N.**  
 (21) 2021101252

**Chakrabarti, P. see Korra, S.N.**  
 (21) 2021101252

**Chakrabarti, T. see koshariya, A.K.**  
 (21) 2021101274

**Chakrabarti, P. see koshariya, A.K.**  
 (21) 2021101274

**Chandra, A.S. see Dahivale, R.P.**  
 (21) 2021101231

(71) CHANDRA, R.; TRIPATHI, S.; SINGH,  
 K.; YADAV, S.  
 (11) AU-A-2021101010  
 (21) 2021101010 (22) 24.02.2021  
 (54) Decolorization and Detoxification of  
 Distillery Wastewater with Combined  
 Use of Bacteria and Constructed Wet-  
 land Treatment  
 (51) Int. Cl.  
*C02F 9/00* ( 2006.01 )  
*C02F 3/32* ( 2006.01 )  
*C02F 3/34* ( 2006.01 )  
*C02F 101/10* ( 2006.01 )  
*C02F 101/16* ( 2006.01 )  
*C02F 101/20* ( 2006.01 )  
*C02F 101/30* ( 2006.01 )  
*C02F 101/32* ( 2006.01 )  
*C02F 103/32* ( 2006.01 )

(45) 06.05.2021  
 (72) CHANDRA, RAM; TRIPATHI, SONAM;  
 SINGH, KSHITIJ; YADAV, SANGEETA  
 (74) RAM CHANDRA

**Chandra Panda, R. see Kumar Panda, S.**  
 (21) 2021101143

**Chandrashekar, B. see Padmaja, S.**  
 (21) 2021100903

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**Chandrashekar, M.P. see Jagadeesh, B.**  
(21) 2021101258

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**Chanthirasekaran, K. see Korra, S.N.**  
(21) 2021101252

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(71) Chattopadhyay, J.  
(11) AU-A-2021101152  
(21) 2021101152 (22) 04.03.2021  
(54) A PROCESS FOR SYNTHESIZING NI/MO NANO-PARTICLE ENCAPSULATED ONION-SHAPED CARBON NANOCAPSULES USING MODIFIED ARC-DISCHARGE METHOD  
(51) Int. Cl.  
**C25B 11/073** ( 2021.01 )  
**B22F 1/00** ( 2006.01 )  
**B82Y 40/00** ( 2011.01 )  
**H01M 4/90** ( 2006.01 )  
**C25B 1/04** ( 2021.01 )  
**G01N 23/20** ( 2018.01 )  
**G01N 23/2251** ( 2018.01 )  
(45) 06.05.2021  
(72) Chattopadhyay, Jayeeta  
(74) Jayeeta Chattopadhyay

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**Chaudhari, P.M. see Regulwar, G.B.**  
(21) 2021101128

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**Chaudhari, S.U. see Jaiswal, S.**  
(21) 2021101174

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(71) chavan, r.  
(11) AU-A-2021101196  
(21) 2021101196 (22) 07.03.2021  
(54) Automatic forklift horn control technology to reduce accidents in fast paced workplace  
(51) Int. Cl.  
**B60Q 5/00** ( 2006.01 )  
**B66F 17/00** ( 2006.01 )  
**E01F 11/00** ( 2006.01 )  
**G08B 3/10** ( 2006.01 )  
(45) 06.05.2021  
(72) chavan, roshan gangadhar  
(74) roshan gangadhar chavan

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(71) Cheepurupalli, K.K.; Singh, L.; Subramanyam, M.V.; Verma, S.; Khedkar, E.B.; Raj, B.; Chordiya, S.B.; Yadav, C.S.; Sarkar, B.K.  
(11) AU-A-2021101242  
(21) 2021101242 (22) 10.03.2021  
(54) WOMEN SAFETY HIDDEN MALICIOUS CHIP USING DEEP LEARNING AND IOT BASED TRACKING TECHNOLOGY  
(51) Int. Cl.  
**G08B 25/01** ( 2006.01 )  
**G08B 1/02** ( 2006.01 )  
**G08B 15/00** ( 2006.01 )  
**G08B 25/12** ( 2006.01 )  
**G01S 5/00** ( 2006.01 )

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**H04W 4/02** ( 2018.01 )  
(45) 06.05.2021  
(72) Cheepurupalli, Kusma Kumari; Singh, Laxman; Subramanyam, M. V.; Verma, Shanti; Khedkar, Eknath B.; Raj, Beg; Chordiya, S. B.; Yadav, Chandra Shekhar; Sarkar, B. K.  
(74) Kusma Kumari Cheepurupalli

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**Chembukavu, J. see Korra, S.N.**  
(21) 2021101252

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(71) Chemvet Australia Pty Ltd  
(11) AU-A-2021101161  
(21) 2021101161 (22) 04.03.2021  
(54) INJECTABLE NUTRITIONAL SUPPLEMENT  
(51) Int. Cl.  
**A61K 31/714** ( 2006.01 )  
**A23K 20/174** ( 2016.01 )  
**A23K 20/20** ( 2016.01 )  
**A23K 50/10** ( 2016.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 33/24** ( 2019.01 )  
**A61K 33/30** ( 2006.01 )  
**A61K 33/32** ( 2006.01 )  
**A61K 33/34** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )

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(45) 06.05.2021  
(62) 2020312430  
(72) Grant, Murray Graham  
(74) Phillips Ormonde Fitzpatrick

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**Chengtong Kaisheng Ecological Construction Co., Ltd. see China Institute of Water Resources and Hydropower Research**  
(21) 2021101253

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**Cherappurath, N. see Peroumal, V.**  
(21) 2021101272

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**Chethan, K. see Jagadeesh, B.**  
(21) 2021101258

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**Chhikara, A. see Kumar Panda, S.**  
(21) 2021101143

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**CHIDAMBARARAJ, N. see VINOTH, K.**  
(21) 2021101279

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**CHILAMBARARSAN, M. see VINOTH, K.**  
(21) 2021101279

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(71) China Institute of Water Resources and Hydropower Research; Shandong Jianghe Wetland Ecological Research Institute; Chengtong Kaisheng Ecological Construction Co., Ltd.  
(11) AU-A-2021101253  
(21) 2021101253 (22) 10.03.2021  
(54) METHOD FOR CONSTRUCTING ECOLOGICAL FLOOD CONTROL

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DIKE IN MEDIUM OR SMALL WATER-SHED  
(51) Int. Cl.  
**A01G 23/04** ( 2006.01 )  
**E02B 3/04** ( 2006.01 )  
(45) 06.05.2021  
(72) WANG, Fang; CHEN, Hanmo; MAO, Jixin; ZHENG, Fushan; LIU, Yang; WANG, Fengxiang; CHEN, Chunlin  
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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(71) China Railway 19 Bureau Group Guangzhou Engineering Co., Ltd.  
(11) AU-A-2021101191  
(21) 2021101191 (22) 05.03.2021  
(54) Crossing Tunnel Construction Method  
(51) Int. Cl.  
**E21D 9/00** ( 2006.01 )  
**F42D 3/04** ( 2006.01 )  
(31) 202011204402.5 (32) 02.11.20 (33) CN  
(45) 06.05.2021  
(72) TANG, Yumin; CHEN, Yuangang; XIA, Shiguang; ZHAO, Yu; LU, Hongjian; ZENG, Shuwei; MAO, Jingyu; WANG, Yanhui; LI, Yifan  
(74) MEYER WEST IP PTY LTD

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(71) China Railway 19 Bureau Group Guangzhou Engineering Co., Ltd.  
(11) AU-A-2021101192  
(21) 2021101192 (22) 05.03.2021  
(54) Method for Determining Cross-Influenced Zone of Crossing Tunnels  
(51) Int. Cl.  
**G06F 30/23** ( 2020.01 )  
**G06F 30/13** ( 2020.01 )  
(31) 02011205699.7 (32) 02.11.20 (33) CN  
(45) 06.05.2021  
(72) ZENG, Shuwei; WANG, Yanhui; YANG, Xinmin; LI, Yifan; CHEN, Yuangang; WANG, Ji; TANG, Yumin; LU, Hongjian; XIA, Shiguang  
(74) MEYER WEST IP PTY LTD

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(71) China University of Petroleum (East China)  
(11) AU-A-2021101142  
(21) 2021101142 (22) 03.03.2021  
(54) Method and System for Constructing Digital Rock  
(51) Int. Cl.  
**G06T 19/00** ( 2011.01 )  
**G06N 3/00** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 15/00** ( 2011.01 )  
**G06T 17/00** ( 2006.01 )  
(31) 202010175137.6 (32) 13.03.20 (33) CN  
(45) 06.05.2021  
(72) Yang, Yongfei; Liu, Fugui; Yao, Jun; Song, Huaissen; Zhang, Kai; Zhang, Lei; Sun, Hai; Song, Wenhui; Wang, Yuanbo; Xu, Bozhao  
(74) Chrysiliou IP

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**China University of Petroleum (East China)**  
see **Southern Marine Science and Engineering Guangdong Laboratory (Zhanjiang)**  
(21) 2021101183

(71) China University of Petroleum (East China); Dongying Zhishui Environmental Protection Technology Co. LTD; Shandong Shuojie Biotechnology Co., Ltd

(11) AU-A-2021101219  
(21) 2021101219 (22) 09.03.2021  
(54) A Bio-enzyme Flocculant for Black-odour Water Treatment and the Preparation Method Thereof  
(51) Int. Cl.  
G02F 1/56 ( 2006.01 )  
G02F 1/52 ( 2006.01 )  
G02F 1/54 ( 2006.01 )  
G02F 103/00 ( 2006.01 )  
G02F 103/34 ( 2006.01 )

(45) 06.05.2021  
(72) Lin, Aiguo; Ding, Xinghua; Li, Xiuning; Ding, Li  
(74) Alder IP Pty Ltd

(71) CHINA UNIVERSITY OF PETROLEUM (EAST CHINA)

(11) AU-A-2021101085  
(21) 2021101085 (22) 01.03.2021  
(54) PETROLEUM DRILLING ACCELERATION DEVICE  
(51) Int. Cl.  
E21B 7/18 ( 2006.01 )  
E21B 1/14 ( 2006.01 )  
E21B 4/14 ( 2006.01 )  
E21B 28/00 ( 2006.01 )  
E21B 43/25 ( 2006.01 )  
E21B 6/02 ( 2006.01 )

(45) 06.05.2021  
(72) DU, Yukun; ZHAO, Bo; CHEN, Xiaohong; CHEN, Xiaocheng; YUE, Weimin; HUANG, Zhiyuan; WANG, Ruihe; BAI, Diangang; HAO, Guoliang  
(74) Remarkable IP

(71) Chongqing University of Science and Technology

(11) AU-A-2021101201  
(21) 2021101201 (22) 08.03.2021  
(54) Numerical simulation method for thermal recovery of oil reservoirs of multi-element thermal fluid  
(51) Int. Cl.  
G01N 11/04 ( 2006.01 )  
G06F 30/20 ( 2020.01 )  
G06Q 50/02 ( 2012.01 )  
G01N 11/00 ( 2006.01 )

(45) 06.05.2021  
(72) Yu, Xinan; Wang, Shuoliang; Liu, Bo; Ouyang, Shikun; Liang, Baojin; Zhu, Yingjie; Ouyang, Mukun; Kang, Ji  
(74) IP SOLVED (ANZ) PTY. LTD.

**Chordiya, S.B. see Deswal, L.**  
(21) 2021100983

**Chordiya, S.B. see Cheepurupalli, K.K.**  
(21) 2021101242

**Chordiya, (.S.B. see Singh, L.**  
(21) 2021101256

**Chordiya, (.S.B. see Sharma, Y.K.**  
(21) 2021101257

(71) Choudhary, A.; Arora, A.; Siwach, M.; Gupta, A.

(11) AU-A-2021101278  
(21) 2021101278 (22) 12.03.2021  
(54) System and Method for Automatic Language Detection for Handwritten Text  
(51) Int. Cl.  
G06F 40/42 ( 2020.01 )  
G06F 40/263 ( 2020.01 )  
G06K 9/00 ( 2006.01 )  
G06K 9/46 ( 2006.01 )  
G06K 9/48 ( 2006.01 )

(45) 06.05.2021  
(72) Choudhary, Alka; Arora, Amita; Siwach, Manvi; Gupta, Ashlesha  
(74) IP NATION

**Choudhury, M. see Rajkhowa, S.**  
(21) 2021101130

**Chouhan, A.S. see Shashidhar, K.**  
(21) 2021101316

**Churi, P. see Soni, M.**  
(21) 2021101195

(71) CoalBed Innovations Pty Limited

(11) AU-A-2021101208  
(21) 2021101208 (22) 08.03.2021  
(54) Geological sensing system for longwall automation and other mining applications  
(51) Int. Cl.  
E21B 49/00 ( 2006.01 )  
E21B 21/08 ( 2006.01 )  
G06Q 50/02 ( 2012.01 )

(31) 2020900713 (32) 08.03.20 (33) AU  
(45) 06.05.2021  
(72) Thomson, Scott; MacDonald, Duncan Charles; Thomson, Duncan Scott  
(74) Spruson & Ferguson

(71) College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur; Jain, N.; Agarwal, U.; Sharma, G.

(11) AU-A-2021100602  
(21) 2021100602 (22) 31.01.2021  
(54) A contactless smart UV-C disinfectant box  
(51) Int. Cl.  
A61L 2/10 ( 2006.01 )  
A23L 3/28 ( 2006.01 )  
A61L 2/24 ( 2006.01 )

(45) 06.05.2021

(72) Jain, Naveen; Agarwal, Umesh; Sharma, Gopal

(74) College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur

**Crouch, P. see M.a.B Engineering Services Pty Ltd**  
(21) 2021101236

(71) CYCLINGDEAL USA, INC.

(11) AU-A-2021101227  
(21) 2021101227 (22) 09.03.2021  
(54) ADJUSTBALE BICYCLE PARKING RACK  
(51) Int. Cl.  
B62H 3/08 ( 2006.01 )  
B62H 3/12 ( 2006.01 )

(45) 06.05.2021  
(72) GU, HAIDONG  
(74) LESICAR MAYNARD ANDREWS PTY LTD

**D. Phatangare, N. see Deswal, L.**  
(21) 2021100983

(71) Dahivale, R.P.; Gurusamy, M.; Kavitha, V.R.; Periyasamy, P.; Nayas, M.; Gulati, K.; Seth, J.K.; Bhasin, N.K.; Singhal, R.K.; Pandey, R.R.; Kavitha, R.; C, B.; ., B.; Peroumal, V.; Chandra, A.S.; Mohan, A.; Kshirsagar, P.R.

(11) AU-A-2021101231  
(21) 2021101231 (22) 09.03.2021  
(54) A BLOCK-CHAIN ENABLED SERVICE PROVIDER SYSTEM  
(51) Int. Cl.  
G06Q 10/06 ( 2012.01 )  
G06F 21/60 ( 2013.01 )  
H04L 9/32 ( 2006.01 )

(45) 06.05.2021  
(72) Dahivale, Rohan Prabhakar; Gurusamy, M.; Kavitha, V. R.; Periyasamy, P.; Nayas, M.; Gulati, Kamal; Seth, Jitendra Kumar; Bhasin, Narinder Kumar; Singhal, Ritesh Kumar; Pandey, Radha Raman; Kavitha, Rose; C, Bharath; ., Batulakasiswiswanadham; Peroumal, Vijayakumar; Chandra, Akkaraju Sailesh; Mohan, Anand; Kshirsagar, Pravin R.  
(74) Rohan Prabhakar Dahivale

(71) Dahiya, V.

(11) AU-A-2021100005  
(21) 2021100005 (22) 02.01.2021  
(54) AN AUTOMATED MICROPHONE SYSTEM  
(51) Int. Cl.  
H04R 1/02 ( 2006.01 )  
H04R 27/00 ( 2006.01 )  
F16M 11/12 ( 2006.01 )

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(62) 2019357252  
(72) Dahiya, Vivek; Sharma, Karan  
(74) Vivek Dahiya
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- (71) Dahiya, V.  
(11) AU-A-2021100006  
(21) 2021100006 (22) 02.01.2021  
(54) A SYSTEM AND A METHOD FOR PROVIDING USERS WITH ACCESS TO SERVICES RELATED TO FARMING AND FARM AUTOMATION  
(51) Int. Cl.  
G06Q 30/00 ( 2012.01 )  
G06Q 50/02 ( 2012.01 )  
(45) 06.05.2021  
(62) 2019373839  
(72) Dahiya, Vivek; Sharma, Karan  
(74) Vivek Dahiya
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- Dahiya, S. see Kumar Panda, S.**  
(21) 2021101143
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- Dai, J. see Pan, M.**  
(21) 2021101286
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- (71) Dalian Minzu University  
(11) AU-A-2021101210  
(21) 2021101210 (22) 08.03.2021  
(54) An Endmember Extraction Method Of Hyperspectral Image  
(51) Int. Cl.  
G06K 9/46 ( 2006.01 )  
G06K 9/00 ( 2006.01 )  
G06K 9/62 ( 2006.01 )  
G06T 7/00 ( 2017.01 )  
G01J 3/28 ( 2006.01 )  
G01N 21/17 ( 2006.01 )  
(45) 06.05.2021  
(72) WANG, Liguu; ZHAO, Yifan; LIU, Danfeng; XIAO, Ying; LIU, Haitao  
(74) WRAYS PTY LTD
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- Damasevicius, R. see Rajinikanth, V.**  
(21) 2021101306
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- Damera, V.K. see Mummadi, U.K.**  
(21) 2021101322
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- Das, P. see Acharya, B.**  
(21) 2021100669
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- Das, D. see Acharya, B.**  
(21) 2021100671
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- Das, P. see Acharya, B.**  
(21) 2021100671
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- Das, M. see Panda, R.C.**  
(21) 2021100831
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- Das, S. see Regulwar, G.B.**  
(21) 2021101128
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- Das, A. see Korra, S.N.**  
(21) 2021101252
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- Das, P. see Mohapatra, A.**  
(21) 2021101296
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- Dash, R. see B, P.**  
(21) 2021101096
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- De, S. see Bhattacharyya, S.**  
(21) 2021101243
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- (71) Deep, K.; Singh, P.D.; Singh, A.; Kumar, M.; Khurana, R.; Rayat, A.S.; Sandhu, G.K.; Bhatia, J.; Singh, G.  
(11) AU-A-2021101131  
(21) 2021101131 (22) 03.03.2021  
(54) QOS#AWARE OPTICAL FOG#ASSISTED CYBER#PHYSICAL SYSTEM IN 5G READY HETEROGENEOUS NETWORK AND METHOD FOR THE SAME  
(51) Int. Cl.  
H04L 29/08 ( 2006.01 )  
H04W 4/38 ( 2018.01 )  
H04Q 11/00 ( 2006.01 )  
H04W 4/70 ( 2018.01 )  
(45) 06.05.2021  
(72) Deep, Kiran; Singh, Prabh Deep; Singh, Ashima; Kumar, Manish; Khurana, Ravi; Rayat, Amanpal Singh; Sandhu, Gurleen Kaur; Bhatia, Jeevan; Singh, Gurmukh  
(74) Kiran Deep
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- Deep, K. see Singh, P.D.**  
(21) 2021101149
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- Deep, T. see Singh, P.D.**  
(21) 2021101149
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- (71) delacruze, f.  
(11) AU-A-2021101154  
(21) 2021101154 (22) 04.03.2021  
(54) The safety saddle is a protective device to replace safety straps currently being used  
(51) Int. Cl.  
B62B 3/14 ( 2006.01 )  
(45) 06.05.2021  
(72) delacruze, franceska Natalija  
(74) franceska Natalija delacruze
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- (71) Deltapay Pty Ltd  
(11) AU-A-2021101189  
(21) 2021101189 (22) 05.03.2021
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- (54) Method and Apparatus for Immediate Credit  
(51) Int. Cl.  
G06Q 20/10 ( 2012.01 )  
G06Q 40/02 ( 2012.01 )  
(31) 2020900735 (32) 10.03.20 (33) AU  
(45) 06.05.2021  
(72) Pidd, Harry  
(74) LEGALVISION ILP PTY. LTD.
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- Deora, B.S. see Singh, P.D.**  
(21) 2021101149
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- Desai, D. see Singh, L.**  
(21) 2021101256
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- Deshmukh, D.S. see Raut, A.S.**  
(21) 2021101193
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- (71) Deswal, L.; Kumar, R.K.; D. Phatangare, N.; Pandey, S.K.; Rao, M.N.; Bharti, P.K.; Chordiya, S.B.; Raj, B.; Singh, P.N.; Sarkar, B.  
(11) AU-A-2021100983  
(21) 2021100983 (22) 22.02.2021  
(54) Plastics & Packing Materials: Plastics, Non-Recyclable Packing Materials Convert into a Useful Products  
(51) Int. Cl.  
C08L 3/02 ( 2006.01 )  
C10L 5/46 ( 2006.01 )  
B65D 65/46 ( 2006.01 )  
C02F 1/02 ( 2006.01 )  
(45) 06.05.2021  
(72) Deswal, Laxmi; Kumar, R. Karthic; D. Phatangare, Narendra; Pandey, Shailendra Kumar; Rao, M Nagabhushana; Bharti, Pawan Kumar; Chordiya, S. B.; Raj, Beg; Singh, Pari Nidhi; Sarkar, B.K.  
(74) Laxmi Deswal
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- Devi, V. see M, L.**  
(21) 2020104405
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- Devi, G.R. see koshariya, A.K.**  
(21) 2021101274
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- Devi V., A. see Kumar Panda, S.**  
(21) 2021101143
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- Dhall Samanta, L. see Kumar Panda, S.**  
(21) 2021101143
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- Dhiman, G. see Soni, M.**  
(21) 2021101195
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- Divakar, B.P. see B, P.**  
(21) 2021101096
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- Dixit, P. see Verma, B.K.**

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(21) 2021101194

**Dixit, S. see Sharma, A.**

(21) 2021101251

(71) Djirlic, S.

(11) AU-A-2021101218

(21) 2021101218 (22) 09.03.2021

(54) SHOWPORIUM

(51) Int. Cl.

G06Q 30/06 ( 2012.01 )

(31) 2021900379 (32) 16.02.21 (33) AU

(45) 06.05.2021

(72) Djirlic, Slavica

(74) Slavica Djirlic

**doewes, R. see Soni, M.**

(21) 2021101195

**Doijad, R.C. see Raut, I.D.**

(21) 2021101145

**Dongying Zhishui Environmental Protection Technology Co. LTD see China University of Petroleum (East China)**

(21) 2021101219

**Dwivedi, Y.D. see Singh, L.**

(21) 2021101256

(71) East China University of Technology

(11) AU-A-2021101016

(21) 2021101016 (22) 24.02.2021

(54) FREEZING EMERGENCY DEVICE FOR POLLUTANT LEAKAGE OF SURROUNDING ROCK CRACKING IN CHAMBER UNDER EARTHQUAKE ACTION

(51) Int. Cl.

E02D 19/14 ( 2006.01 )

E02D 3/115 ( 2006.01 )

(45) 06.05.2021

(72) Yuan, Chang; Li, Dongwei; Wu, Bo; Zhang, Chaochao; Lou, Peijie; Huang, Yuren; Wei, Zhiyuan; He, Shan; Chen, Ximao; Yang, Jianxin; Deng, Dunyi; Cai, Junhua; Fan, Dequan; Shi, Lei

(74) Remarkable IP

(71) East China University of Technology

(11) AU-A-2021101263

(21) 2021101263 (22) 11.03.2021

(54) AN AUTOMATIC DRAINAGE DEVICE FOR FOUNDATION PITS WITH FLOOD PREVENTION FUNCTION

(51) Int. Cl.

E02D 19/22 ( 2006.01 )

E03F 1/00 ( 2006.01 )

G05D 9/12 ( 2006.01 )

E02D 17/02 ( 2006.01 )

G05B 19/045 ( 2006.01 )

(45) 06.05.2021

(72) Li, Dongwei; Wu, Bo; Zeng, Masun; Liu, Jinling; Chen, Shijun; Lu, Qingrui

(74) Madderns Pty Ltd

(71) East China University of Technology

(11) AU-A-2021101264

(21) 2021101264 (22) 11.03.2021

(54) A FOUNDATION PIT DRAINAGE SYSTEM FOR FLOOD CONTROL

(51) Int. Cl.

E03F 5/04 ( 2006.01 )

E03F 1/00 ( 2006.01 )

(45) 06.05.2021

(72) Li, Dongwei; Zeng, Masun; Wu, Bo; Liu, Jinling; Chen, Shijun; Lu, Qingrui

(74) Madderns Pty Ltd

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(11) AU-A-2021101265

(21) 2021101265 (22) 11.03.2021

(54) SOLAR TRACKER

(51) Int. Cl.

H02S 40/34 ( 2014.01 )

H02S 20/32 ( 2014.01 )

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(51) Int. Cl.

B65D 19/38 ( 2006.01 )

B62B 3/02 ( 2006.01 )

B62B 3/14 ( 2006.01 )

B65D 19/10 ( 2006.01 )

B65D 19/42 ( 2006.01 )

A47F 5/13 ( 2006.01 )

A47F 7/00 ( 2006.01 )

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(74) FPA Patent Attorneys Pty Ltd

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(54) Roof support assembly

(51) Int. Cl.

E21D 11/00 ( 2006.01 )

E21D 21/00 ( 2006.01 )

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G06Q 50/16 ( 2012.01 )

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(71) Fujian Chuanzheng Communications College

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(54) Smooth generator system based on speed detection control and its control method

(51) Int. Cl.

H02P 9/00 ( 2006.01 )

B60L 3/08 ( 2006.01 )

B60L 15/20 ( 2006.01 )

B60L 50/10 ( 2019.01 )

F02D 29/06 ( 2006.01 )

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(74) A.P.T. Patent and Trade Mark Attorneys

(71) Fujian Chuanzheng Communications College

(11) AU-A-2021101185

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(51) Int. Cl.

F02N 11/08 ( 2006.01 )

F02N 11/10 ( 2006.01 )

H01H 47/00 ( 2006.01 )

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*H04R 25/00* ( 2006.01 )  
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*G06K 19/02* ( 2006.01 )  
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*B32B 3/04* ( 2006.01 )  
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*B32B 7/12* ( 2006.01 )  
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(21) 2021101195

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(54) CLOSED CYCLE ENGINE POWER STRUCTURE AND POWER GENERATION METHOD  
(51) Int. Cl.  
*F01D 15/10* ( 2006.01 )  
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(51) Int. Cl.  
*A61K 35/618* ( 2015.01 )  
*A61K 31/727* ( 2006.01 )  
*A61P 7/02* ( 2006.01 )  
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(51) Int. Cl.  
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*A62C 3/08* ( 2006.01 )  
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(51) Int. Cl.  
*H04W 4/029* ( 2018.01 )  
*G01S 5/00* ( 2006.01 )  
*G08B 21/02* ( 2006.01 )  
*G08B 21/24* ( 2006.01 )  
*G08B 25/01* ( 2006.01 )  
*H04M 1/72418* ( 2021.01 )  
*H04M 1/72424* ( 2021.01 )  
*H04M 1/72451* ( 2021.01 )  
*H04W 4/021* ( 2018.01 )  
*G01S 19/17* ( 2010.01 )  
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- Haldar, O.P. see Khedkar, E.B.**  
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*B01J 20/29* ( 2006.01 )  
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*A23B 4/10* ( 2006.01 )  
*C08J 5/00* ( 2006.01 )  
*C08J 5/18* ( 2006.01 )  
*D01D 5/00* ( 2006.01 )  
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 (21) 2021101314 (22) 13.03.2021  
 (54) Horizontal Gyration Crusher  
 (51) Int. Cl.  
*B02C 1/08* ( 2006.01 )  
*B02C 4/12* ( 2006.01 )  
*B02C 4/28* ( 2006.01 )  
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 (54) A ROBOTIC SYSTEM TO CHECK BATTERY QUALITY IN MANUFACTURING INDUSTRIES USING ARTIFICIAL INTELLIGENCE  
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*G05B 19/23* ( 2006.01 )  
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*G01S 7/52* ( 2006.01 )  
*G01S 15/02* ( 2006.01 )  
*G01S 15/88* ( 2006.01 )  
*G05B 19/06* ( 2006.01 )  
*G05G 21/00* ( 2006.01 )  
*H02K 37/00* ( 2006.01 )  
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areas, preparation method and applica-  
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Rong, Hao  
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Rattan  
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**H04R 3/00** ( 2006.01 )  
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produce a visual representation of the  
audio content that is in a podcast. This  
representation will greatly increase  
the context of the podcast by provid-  
ing the accompanying visuals that are  
otherwise absent from audio. Such as,  
not limited to, photos of historical fig-  
ures mentioned, pictures of products,  
books or electronics, maps of coun-  
tries etc. The visual representation will  
also make use of embedded links to  
further enhance the context the user  
can get from the podcast by extending  
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**G06T 7/00** ( 2017.01 )  
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Engineering, Maharana Pratap University  
of Agriculture and Technology (MPUAT),  
Udaipur**  
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(54) DESIGN AND IMPLEMENTATION OF  
CONVOLUTION NEURAL NETWORK  
ON EDGE COMPUTING SMART  
PHONE FOR HUMAN ACTIVITY RE-  
COGNITION  
(51) Int. Cl.  
**G06N 3/02** ( 2006.01 )  
**G06K 9/00** ( 2006.01 )  
(45) 06.05.2021  
(72) Jaiswal, Sushma; R., Sridevi;  
TOOMULA, SRILATHA; Raj Singh,  
Shiv; Arora, Tarun Kumar; Kumar  
Chaubey, Pavan; Jaiswal, Tarun; Agar-  
wal, Seema; Sathish, A.; Vatchala, S.  
(74) Blessen Skariah Thomas

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adharsini, M.; Kumar, A.; Chaudhari,  
S.U.; Patil, M.; Raghuvanshi, R.; Krish-  
namoorthy, R.; Bharamagoudar, G.R.  
(11) AU-A-2021101174  
(21) 2021101174 (22) 05.03.2021  
(54) SOLAR PV POWER INTEGRATED  
SMART GRID BASED ENERGY MAN-  
AGEMENT SYSTEM  
(51) Int. Cl.  
**H02J 3/00** ( 2006.01 )  
**G06Q 50/06** ( 2012.01 )  
**G16Y 10/35** ( 2020.01 )  
**H02J 1/00** ( 2006.01 )  
**H02J 4/00** ( 2006.01 )  
**H04L 29/08** ( 2006.01 )  
**H04W 4/38** ( 2018.01 )  
**H04W 84/18** ( 2009.01 )  
(45) 06.05.2021  
(72) Jaiswal, Sushma; Kamal, Neel; Misra,  
Anuranjan; Priyadharsini, M.; Kumar,  
Avinash; Chaudhari, Shrikant Ulhas;  
Patil, Mallikarjunagouda; Raghuvan-  
shi, Rajeev; Krishnamoorthy, R.; Bhara-  
magoudar, Geeta R.  
(74) Sushma Jaiswal

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(21) 2021101132

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**Jamader, A.R. see Acharya, B.**  
(21) 2021100671

**Jamader, A.R. see Mohapatra, A.**  
(21) 2021101296

**Jana, D. see Khedkar, E.B.**  
(21) 2021101148

(71) JHA, N.; Parikh, N.S.  
(11) AU-A-2021101228  
(21) 2021101228 (22) 09.03.2021  
(54) DIGITAL MANAGEMENT METHOD OF ADMINISTRATIVE FUNCTIONS USING HIGH-SPEED COMMUNICATION  
(51) Int. Cl.  
G06Q 50/26 ( 2012.01 )  
(45) 06.05.2021  
(72) JHA, NISHIKANT; Parikh, Naishad Subodhchandra  
(74) John Thomas

(71) Jiangsu Jiabo Industrial Development Group Co., Ltd.  
(11) AU-A-2021101211  
(21) 2021101211 (22) 08.03.2021  
(54) PULL ROD PLATE AND PULL TAB PLATE CONVERSION DEVICE  
(51) Int. Cl.  
E04G 17/14 ( 2006.01 )  
(31) 202010836178.5 (32) 19.08.20 (33) CN  
(45) 06.05.2021  
(72) GU, Tao; WEI, Min; LI, Xiugan  
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

(71) Jingchu university of technology  
(11) AU-A-2021101136  
(21) 2021101136 (22) 03.03.2021  
(54) An A-shaped three-dimensional cultivation method of Pinellia ternata  
(51) Int. Cl.  
A01G 22/00 ( 2018.01 )  
A01C 21/00 ( 2006.01 )  
A01G 24/10 ( 2018.01 )  
A01G 24/28 ( 2018.01 )  
(45) 06.05.2021  
(72) Li, Xianliang  
(74) Alder IP Pty Ltd

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(21) 2021101256

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(71) K, V.S.M.B.; Thota, S.P.; T.J, D.; Byreddy, N.  
(11) AU-A-2021100745

(21) 2021100745 (22) 06.02.2021  
(54) SMART FAULT DETECTION AND MONITORING SYSTEM IN SOLAR PANELS  
(51) Int. Cl.  
G05B 23/02 ( 2006.01 )  
G01N 25/72 ( 2006.01 )  
H02S 50/10 ( 2014.01 )  
H04W 4/38 ( 2018.01 )  
G01K 3/00 ( 2006.01 )  
G06F 11/07 ( 2006.01 )  
G06N 20/00 ( 2019.01 )  
H04N 5/235 ( 2006.01 )  
H04W 84/12 ( 2009.01 )  
H04W 88/04 ( 2009.01 )  
(45) 06.05.2021  
(72) K, Victor Sam Moses Babu; Thota, Surya Prakash; T.J, Deepika; Byreddy, Narmada  
(74) Victor Sam Moses Babu K

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**Kabeer, D.A. see Peroumal, V.**  
(21) 2021101272

**Kadry, S. see Rajinikanth, V.**  
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(21) 2021100669

**Kamal, N. see Jaiswal, S.**  
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**Kanuri, G. see Padmaja, S.**  
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**Karelia, N. see Singh, M.**  
(21) 2021101318

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(21) 2021101143

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**Kaur, S. see Singh, P.D.**

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(21) 2021101231

**Kavitha, R. see Dahivale, R.P.**  
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(71) Keogh, M.H.M.; Barker, R.J.  
(11) AU-A-2021101203  
(21) 2021101203 (22) 08.03.2021  
(54) BLADE SHARPENER DEVICE  
(51) Int. Cl.  
B24D 15/08 ( 2006.01 )  
(45) 06.05.2021  
(62) 2020203635  
(72) Barker, Robert John  
(74) Mann IP

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**Khan, I.R. see Verma, B.K.**  
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**Khan, I.R. see Soni, M.**  
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**Khan, T.A.K. see Koshariya, A.K.**  
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**Khedkar, C.E. see Khedkar, E.B.**  
(21) 2021101148

**Khedkar, A.E. see Khedkar, E.B.**  
(21) 2021101148

(71) Khedkar, E.B.; Khedkar, C.E.; Khedkar, A.E.; Lande, G.; Haldar, O.P.; Bachhav, S.P.; Patel, V.; Jana, D.; Singh, S.K.; Saini, A.; Kumar, P.; Prashanta Kumar, J.S.  
(11) AU-A-2021101148  
(21) 2021101148 (22) 04.03.2021  
(54) Artificial Intelligence based POS System (Points of Sales) for Food Truck Vendor Notification and Management  
(51) Int. Cl.  
G06Q 50/12 ( 2012.01 )  
G06Q 10/06 ( 2012.01 )  
G06Q 10/08 ( 2012.01 )  
G06Q 30/06 ( 2012.01 )  
G06Q 50/00 ( 2012.01 )  
(45) 06.05.2021  
(72) Khedkar, Eknath B.; Khedkar, Chetan Eknath; Khedkar, Ashutosh Eknath; Lande, Ganesh; Haldar, O. P.; Bachhav, Shreekala Prasad; Patel, Varsha; Jana, Debashree; Singh, Sapan Ku-

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(74) Eknath B Khedkar
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- Khedkar, A.E. see Singh, L.**  
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- Khedkar, C.E. see Sharma, Y.K.**  
(21) 2021101257
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- Khond, V.W. see Raut, A.S.**  
(21) 2021101193
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- Khurana, R. see Deep, K.**  
(21) 2021101131
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- (71) Korra, S.N.; Chakrabarti, T.; Hati, A.S.; Das, A.; Gupta, P.; Nayudu, P.P.; Waris, S.F.; Chanthirasekaran, K.; Syed, M.P.; Chembukkavu, J.; Chakrabarti, P.; Kothandaraman, D.  
(11) AU-A-2021101252  
(21) 2021101252 (22) 10.03.2021  
(54) Localization method using integrated sensors in autonomous scrubbing robots for industrial cleaning  
(51) Int. Cl.  
*G05D 1/02* ( 2020.01 )  
*G01S 17/89* ( 2020.01 )  
(45) 06.05.2021  
(72) Korra, Seena Naik; Chakrabarti, Tulika; Hati, Ananda Shankar; Das, Anirban; Gupta, Piyush; Nayudu, P. Prathap; Waris, Saiyed Faiyaz; Chanthirasekaran, K.; Syed, Mujahid Pasha; Chembukkavu, John; Chakrabarti, Prasun; Kothandaraman, D.  
(74) Arockia Rajan
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(11) AU-A-2021101274  
(21) 2021101274 (22) 11.03.2021  
(54) INTEGRATED MULTIMODAL SENSOR SYSTEM FOR AGRI FARMS  
(51) Int. Cl.  
*G01N 33/24* ( 2006.01 )  
*G01K 7/01* ( 2006.01 )  
*G01N 27/04* ( 2006.01 )  
*G01N 27/414* ( 2006.01 )  
*G01N 33/18* ( 2006.01 )  
(45) 06.05.2021  
(72) Koshariya, Ashok Kumar; Chakrabarti, Tulika; Hati, Ananda Shankar; Bhuvana, J.; Raj, T. Ajith Bosco; Narmadha, C.; Hamsadhwani, V.; Arulmurugan, A.; Khan, Tahoor Abdul Kadar;
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- Hangaragi, Siddharam S.; Chakrabarti, Prasun; Devi, G. Naga Rama  
(74) Gideon Manohar
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(21) 2021101320
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(21) 2021101252
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(21) 2021101174
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(21) 2020104405
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(21) 2021101231
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(21) 2021101272
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- kumar, S. see Singh, L.**  
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- Kumar, R.K. see Deswal, L.**  
(21) 2021100983
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- Kumar, M. see Deep, K.**  
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- Kumar, N. see Upreti, K.**  
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- Kumar, P. see Khedkar, E.B.**  
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- Kumar, A. see Jaiswal, S.**  
(21) 2021101174
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- Kumar, P. see Verma, B.K.**  
(21) 2021101194
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- Kumar, M.N.V.S.S. see Sreelakshmi, K.**  
(21) 2021101248
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- Kumar, N. see Sharma, A.**  
(21) 2021101251
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- (21) 2021101257
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- (71) Kumar, A.; Ganguli, S.; Babuta, A.; Goel, N.; Gupta, B.  
(11) AU-A-2021101259  
(21) 2021101259 (22) 11.03.2021  
(54) A HALL WATTMETER DEVICE EMPLOYING FOUR HALL ELEMENT CONFIGURATION  
(51) Int. Cl.  
*G01R 21/08* ( 2006.01 )  
*G01D 4/00* ( 2006.01 )  
*G01R 22/06* ( 2006.01 )  
(45) 06.05.2021  
(72) Kumar, Abhimanyu; Ganguli, Souvik; Babuta, Aniket; Goel, Naman; Gupta, Bhavna  
(74) Abhimanyu Kumar
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(21) 2021101279
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- Kumar Chaubey, P. see Jaiswal, S.**  
(21) 2021101172
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(11) AU-A-2021101143  
(21) 2021101143 (22) 03.03.2021  
(54) SUSTAINABLE REMOTE ASSISTED & TRANSPORTABLE NEONATAL CARE DEVICE FOR JAUNDICE TREATMENT  
(51) Int. Cl.  
*A61N 5/06* ( 2006.01 )  
(45) 06.05.2021  
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(74) Blessen Skariah Thomas
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(21) 2021101075
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- Kundu, S. see Panda, R.C.**  
(21) 2021100831
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- (71) L., R.; P., R.; A., D.; VN, S.K.C.; SVB, S.R.; VADHRI, S.; P., P.; S., A.; R., T.; A., P.K.; S., P.; K., S.  
(11) AU-A-2021101292  
(21) 2021101292 (22) 12.03.2021

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- (51) Int. Cl.  
*H04W 72/04* ( 2009.01 )  
*G16Y 30/00* ( 2020.01 )  
*H04W 84/18* ( 2009.01 )  
*G16Y 10/60* ( 2020.01 )  
*H04L 29/08* ( 2006.01 )  
*H04W 4/02* ( 2018.01 )
- (45) 06.05.2021
- (72) L., RAJA; P., Radhakrishnan; A., Daniel; VN, SIVA KUMAR CHALLA; SVB, Subrahmanyeswara Rao; VADHRI, SURYANARAYANA; P., Padmanabhan; S., Arun; R., Thiagarajan; A., Pradeep Kumar; S., Padmapriya; K., Sathiyasekar
- (74) viji arun
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- (21) 2021101148
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- (71) Lay, K.  
(11) AU-A-2021101202  
(21) 2021101202 (22) 08.03.2021  
(54) Placemat  
(51) Int. Cl.  
*A47G 23/03* ( 2006.01 )
- (45) 06.05.2021
- (72) Lay, Karen
- (74) Paterson IP
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- (71) Liaoning Academy of Agricultural Sciences; Liaoning Shunyi Agricultural Technology Co., Ltd; Shunfeng Agriculture Group Co., Ltd
- (11) AU-A-2021101175  
(21) 2021101175 (22) 05.03.2021  
(54) An evaluation system for ecological function and biodiversity conservation of dryland
- (51) Int. Cl.  
*G06Q 50/02* ( 2012.01 )  
*G06Q 10/06* ( 2012.01 )
- (45) 06.05.2021
- (72) Feng, Liangshan; Sun, Zhanxiang; Yang, Ning; Song, Dan; Wang, Ping; Liu, Chunfeng; Yang, Rui; Tian, Jianquan; Yang, Shu
- (74) Alder IP Pty Ltd
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- (21) 2021101175
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- (71) Ludong University; Shandong Huachun Fisheries Co., Ltd.; Shandong Yellow River Delta Ocean Technology Co., Ltd
- (11) AU-A-2021101190
- (21) 2021101190 (22) 05.03.2021  
(54) Cooling and Refrigeration Device for Apostichopus Japonicus Aquaculture Pond
- (51) Int. Cl.  
*A01K 61/30* ( 2017.01 )  
*A01K 63/06* ( 2006.01 )
- (31) 202010149561.3 (32) 06.03.20 (33) CN
- (45) 06.05.2021
- (72) Wang, Weijun; Yang, Jianmin; Sun, Guohua; Zhang, Tonghua; Liu, Zhaocun; Xie, Xiuchun
- (74) James & Wells Intellectual Property
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- (21) 2020104405
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- (71) M, L.; Ponmozhi, B.R.A.; Rengaraju, P.; C, A.S.; Arthi, K.; Manikandan, M.; V, N.M.; M, P.; kumar, C.L.; Periyasamy, P.; Ravikumar, D.; Devi, V.; Shanmigham, B.; Rajashree, R.; REDDY, G.D.; Manoharan, H.; Kshirsagar, P.R.; Peroumal, V.
- (11) AU-A-2020104405  
(21) 2020104405 (22) 30.12.2020  
(54) AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR PROACTIVE NETWORK SECURITY
- (51) Int. Cl.  
*G06F 21/56* ( 2013.01 )  
*G06N 20/00* ( 2019.01 )  
*H04L 12/24* ( 2006.01 )  
*H04L 12/26* ( 2006.01 )  
*H04L 12/70* ( 2013.01 )  
*H04L 12/851* ( 2013.01 )  
*H04L 29/06* ( 2006.01 )
- (45) 06.05.2021
- (72) M., Lakshmanan.; Ponmozhi, B. Revathi Alias; Rengaraju, Perumalraja; C., Arul Stephen.; Arthi, K.; Manikandan, M.; V., Noor Mohammed.; M., Palanivelan.; kumar, Chinnapalli Likith; Periyasamy, P.; Ravikumar, D.; Devi, V.; Shanmigham, B.; Rajashree, R.; REDDY, G DIVAKARA; Manoharan, Hariprasath; Kshirsagar, Pravin R.; Peroumal, Vijayakumar
- (74) Lakshmanan. M
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- (21) 2021101121
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- (71) M, M.; M, R.; S, J.; C, C.; S, D.K.; A, E.; P, S.; S, A.; M, A.; P, R.; V, M.
- (11) AU-A-2021101121  
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(54) SYSTEM AND METHOD FOR CONTROLLING FUEL DISTRIBUTION IN FUEL STATION
- (51) Int. Cl.  
*G06K 9/00* ( 2006.01 )  
*G08B 21/18* ( 2006.01 )
- (45) 06.05.2021
- (72) M., MEIGNANAMOORTHY; M., RAVICHANDRAN; S., JAY-ASATHYAKAWIN; C., CHANAKYAN; S., DINESH KUMAR; A., ELMARIUNG; P., SETHURAMAN; S., ANBARASU; M., ARUMUGAM; P., RAVEENDRAN; V., MOHANAVEL
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- (71) M.a.B Engineering Services Pty Ltd; Groves, J.; Crouch, P.
- (11) AU-A-2021101236  
(21) 2021101236 (22) 10.03.2021  
(54) Medical Gas Supply Hose Reel Assembly
- (51) Int. Cl.  
*B65H 75/44* ( 2006.01 )  
*A61M 16/08* ( 2006.01 )
- (31) 2020900728 (32) 10.03.20 (33) AU
- (45) 06.05.2021
- (72) Groves, John; Crouch, Philip; Boyd, Mark
- (74) Anderson IP
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- Madduru, S.R.C. see Bellum, R.R.**
- (21) 2021101075
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- Madupu, A. see Shashidhar, K.**
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- (21) 2021100669
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- (21) 2021101258
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- (21) 2021101143
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- (21) 2021101251
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- (21) 2021101251
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- (21) 2021101257
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- (21) 2021100831

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(21) 2020104405

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(21) 2021100927

(71) Manipur International University  
(11) AU-A-2021101214  
(21) 2021101214 (22) 08.03.2021  
(54) AIR POLLUTION MONITORING SYSTEM USING IOT AND MACHINE LEARNING

(51) Int. Cl.  
*H04W 4/38* ( 2018.01 )  
*G01N 33/00* ( 2006.01 )  
*G16Y 20/10* ( 2020.01 )  
*H04W 84/18* ( 2009.01 )  
*H04L 29/08* ( 2006.01 )  
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(72) Pallathadka, Arun Kumar; Makki, Vasista Rama Ranjan; Pallathadka, Harikumar; Pallathadka, Laxmi Kirana  
(74) Ajaj Rashid Attar

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(21) 2020104405

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(21) 2021101316

(71) Meng, Z.  
(11) AU-A-2021101137  
(21) 2021101137 (22) 03.03.2021  
(54) TRANSVALVULAR ASSIST DEVICE FOR TRANSCATHETER AORTIC VALVE REPLACEMENT SURGERY

(51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
*A61M 25/00* ( 2006.01 )  
*A61M 25/01* ( 2006.01 )  
*A61M 25/09* ( 2006.01 )  
*A61M 25/10* ( 2013.01 )  
*A61M 29/02* ( 2006.01 )

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(72) Meng, Zili; Meng, Jiatian; Zhang, Zhihua  
(74) TIDY TEND GLOBAL PTY LTD

(71) Mianyang Central Hospital  
(11) AU-A-2021101138  
(21) 2021101138 (22) 03.03.2021  
(54) A VULVA EXPANDER FOR CLINICAL SURGERY OF OBSTETRICS AND GYNAECOLOGY

(51) Int. Cl.  
*A61B 17/42* ( 2006.01 )  
*A61B 1/303* ( 2006.01 )  
*A61B 17/02* ( 2006.01 )  
*A61M 29/00* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
*A61B 17/04* ( 2006.01 )

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(72) Pan, Changqing  
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(71) Miles, S.  
(11) AU-A-2021101225  
(21) 2021101225 (22) 09.03.2021  
(54) STORAGE BAGS  
(51) Int. Cl.  
*B60R 9/06* ( 2006.01 )  
*B62D 43/02* ( 2006.01 )  
(31) 2020904669 (32) 15.12.20 (33) AU  
(45) 06.05.2021  
(72) Miles, Shane  
(74) Ahearn Fox

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(21) 2021101272

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(21) 2021100671

(71) Mishra, R.  
(11) AU-A-2021101249  
(21) 2021101249 (22) 10.03.2021  
(54) SYSTEM AND METHOD FOR WIRELESS SENSOR NETWORKS USING GAME THEORETIC APPROACH AND ANT COLONY OPTIMIZATION

(51) Int. Cl.  
*H04W 4/38* ( 2018.01 )  
*H04L 12/715* ( 2013.01 )  
*H04W 40/32* ( 2009.01 )  
*H04W 52/02* ( 2009.01 )  
*H04W 84/18* ( 2009.01 )  
*H04W 84/20* ( 2009.01 )  
*G06N 3/00* ( 2006.01 )  
*H04L 29/08* ( 2006.01 )  
*H04W 24/02* ( 2009.01 )  
*H04W 74/04* ( 2009.01 )

(45) 06.05.2021  
(72) Mishra, Richa  
(74) Richa Mishra

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(21) 2021101174

(71) Mitani, T.  
(11) AU-A-2021101261  
(21) 2021101261 (22) 11.03.2021  
(54) A FIRE-STARTING ARRANGEMENT AND METHOD THEREOF

(51) Int. Cl.  
*C10L 11/04* ( 2006.01 )  
*C10L 5/44* ( 2006.01 )  
*C10L 11/06* ( 2006.01 )

(45) 06.05.2021  
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(72) Mitani, Tas  
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(21) 2021100831

**MOBI, R. see B, R.**  
(21) 2021101126

**Mohan, A. see Dahivale, R.P.**  
(21) 2021101231

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(21) 2021101272

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(21) 2021101296

(71) Mohapatra, A.; Mohapatra, S.; Acharya, B.; Das, P.; Jamader, A.R.; Pradhan, A.; Panda, B.; Nanda, L.; Sahoo, S.

(11) AU-A-2021101296  
(21) 2021101296 (22) 12.03.2021  
(54) INTELLIGENT CIRCUIT ENABLE PORTABLE TESTING APPARATUS FOR SERVO MOTOR

(51) Int. Cl.  
*G01R 1/02* ( 2006.01 )  
*G01R 31/34* ( 2020.01 )

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(74) Alivarani Mohapatra

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(21) 2021101145

**Mondal, S. see Panda, R.C.**  
(21) 2021100831

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**Muddana, S.S. see Padmaja, S.**  
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(21) 2021101272

**Muhammed Ali, T. see Peroumal, V.**  
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 (54) AWS-Cloud Data (EC2) (Amazon Web Services) Performance improvement using Machine and Deep Learning Programming  
 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06F 3/06* ( 2006.01 )  
*G06F 9/455* ( 2018.01 )  
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 (74) Upendra Kumar Mummadi

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 (21) 2021101075

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 (21) 2021101320

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 (21) 2021101296

(71) Nanjing Drum Tower Hospital  
 (11) AU-A-2021101019  
 (21) 2021101019 (22) 24.02.2021  
 (54) PREPARATION METHOD AND APPLICATION OF BIOMIMETIC POROUS MESENCHYMAL STEM CELLS MICROSPHERES  
 (51) Int. Cl.  
*A61K 35/51* ( 2015.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 47/34* ( 2017.01 )  
*A61K 47/36* ( 2006.01 )  
*A61K 47/38* ( 2006.01 )  
*A61L 27/18* ( 2006.01 )  
*A61L 27/20* ( 2006.01 )  
*A61L 27/26* ( 2006.01 )  
*A61L 27/48* ( 2006.01 )  
*A61L 27/52* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
*C12M 3/00* ( 2006.01 )  
*C12N 5/0775* ( 2010.01 )  
*C12N 11/08* ( 2020.01 )  
*C12N 11/10* ( 2006.01 )  
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 (72) Sun, Lingyun; Nie, Min; Zhao, Yuanjin  
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Narmadha, C. see koshariya, A.K.

(21) 2021101274

Nasir, M.S. see Upreti, K.  
 (21) 2021101132

Nayas, M. see Dahivale, R.P.  
 (21) 2021101231

Nayudu, P.P. see Korra, S.N.  
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(71) Nepal, C.; Mainali, B.P.  
 (11) AU-A-2021101317  
 (21) 2021101317 (22) 13.03.2021  
 (54) Provider borrowers with an interest rate that is in line with their risk profile based on their credit score.  
 (51) Int. Cl.  
*G06Q 40/02* ( 2012.01 )  
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 (72) Nepal, Chandra; Mainali, Binod Prasad  
 (74) Chandra Sekhar Nepal

(71) NEW ZEALAND FOOD RESEARCH LABORATORIES LIMITED  
 (11) AU-A-2021101163  
 (21) 2021101163 (22) 04.03.2021  
 (54) An algal oil DHA drop agent and its preparation method  
 (51) Int. Cl.  
*A23D 9/007* ( 2006.01 )  
*A23D 9/04* ( 2006.01 )  
 (45) 06.05.2021  
 (72) Zhou, Zhenglai; An, Hui; Xu, Luodan  
 (74) Qian Wang

(71) NEW ZEALAND FOOD RESEARCH LABORATORIES LIMITED  
 (11) AU-A-2021101164  
 (21) 2021101164 (22) 04.03.2021  
 (54) Mushroom oil drops and its preparation method  
 (51) Int. Cl.  
*A23D 9/013* ( 2006.01 )  
*A23D 9/04* ( 2006.01 )  
 (45) 06.05.2021  
 (72) Zhou, Zhenglai; An, Hui; Xu, Luodan  
 (74) Qian Wang

(71) NEW ZEALAND FOOD RESEARCH LABORATORIES LIMITED  
 (11) AU-A-2021101165  
 (21) 2021101165 (22) 04.03.2021  
 (54) Mushroom oil drops and its preparation method  
 (51) Int. Cl.  
*A23D 9/007* ( 2006.01 )  
*A23D 9/04* ( 2006.01 )  
 (45) 06.05.2021  
 (72) Zhou, Zhenglai; An, Hui; Xu, Luodan  
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 (21) 2021101279

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(71) Northeast Forestry University  
 (11) AU-A-2021101284  
 (21) 2021101284 (22) 12.03.2021  
 (54) Metabolome-based method for selecting optimal harvest period of *Eleutherococcus senticosus*  
 (51) Int. Cl.  
*G01N 30/72* ( 2006.01 )  
*A61K 36/254* ( 2006.01 )  
*G01N 30/06* ( 2006.01 )  
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 (45) 06.05.2021  
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(71) Northwest Institute of Plateau Biology, Chinese Academy of Sciences  
 (11) AU-A-2021101160  
 (21) 2021101160 (22) 04.03.2021  
 (54) MOWING METHOD OF PERENNIAL FORAGE  
 (51) Int. Cl.  
*A01D 91/04* ( 2006.01 )  
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 (72) LUO, Caiyun; ZHAO, Liang; ZHAO, Xinquan; XU, Shixiao; HE, Fuquan; HUO, Lili  
 (74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd

(71) Northwest University  
 (11) AU-A-2021100836  
 (21) 2021100836 (22) 10.02.2021  
 (54) CATALYST CAPABLE OF IMPROVING THE STABILITY OF METHANOL TO AROMATICS (MTA) REACTION, PREPARATION METHOD AND APPLICATION THEREOF  
 (51) Int. Cl.  
*B01J 29/40* ( 2006.01 )  
*B01J 35/00* ( 2006.01 )  
*B01J 35/10* ( 2006.01 )  
*C07C 1/20* ( 2006.01 )  
 (31) 202010302325.0 (32) 16.04.20 (33) CN  
 (45) 06.05.2021  
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 (11) AU-A-2021101293  
 (21) 2021101293 (22) 12.03.2021  
 (54) ADJUSTABLE DESK STRUCTURE  
 (51) Int. Cl.  
     **A47B 9/00** ( 2006.01 )  
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 (45) 06.05.2021  
 (72) HO, CHIH FENG  
 (74) Alfred Lei

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 (21) 2021101322

(71) Pabitha, C.; Vanathi, B.  
 (11) AU-A-2021101300  
 (21) 2021101300 (22) 12.03.2021  
 (54) A HYBRID SYSTEM FOR SKIN BURN IMAGE CLASSIFICATION AND SEVERITY GRADING AND ITS METHOD THEREOF  
 (51) Int. Cl.  
     **A61B 5/00** ( 2006.01 )  
     **G06K 9/62** ( 2006.01 )  
     **G06T 7/00** ( 2017.01 )  
     **G06T 7/11** ( 2017.01 )  
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 (45) 06.05.2021  
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 (11) AU-A-2021100903  
 (21) 2021100903 (22) 17.02.2021  
 (54) ARTIFICIAL INTELLIGENCE BASED SMART BAGGAGE DISINFECTING SYSTEM IN PUBLIC TRANSPORTATION  
 (51) Int. Cl.  
     **A61L 2/10** ( 2006.01 )  
     **G06N 3/04** ( 2006.01 )  
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 (74) S. Padmaja

(71) Pan, M.; Dai, J.  
 (11) AU-A-2021101286  
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 (54) A CHILDREN'S TOY RENTAL PLATFORM INTEGRATING RENTAL AND SALES  
 (51) Int. Cl.  
     **G06Q 30/06** ( 2012.01 )  
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 (74) TIDY TEND GLOBAL PTY LTD

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 (11) AU-A-2021100831  
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 (54) AQUAPLUS: A HUMIDITY DEPENDENT WATER EXTRACTION METHOD  
 (51) Int. Cl.  
     **E03B 3/28** ( 2006.01 )  
     **B01D 53/26** ( 2006.01 )  
     **C02F 1/00** ( 2006.01 )  
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 (74) Ramesh Chandra Panda

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(71) Peking Union Medical College and Hospital(PUMCH)  
 (11) AU-A-2021101268  
 (21) 2021101268 (22) 11.03.2021  
 (54) An artificial intelligence infrared thermal imaging bra system with breast disease detection function  
 (51) Int. Cl.  
     **A61B 5/00** ( 2006.01 )  
     **A41C 3/00** ( 2006.01 )  
     **A41F 1/00** ( 2006.01 )  
     **A61B 6/00** ( 2006.01 )  
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(71) PERDAY'S HEALTH FUNCTIONAL FOOD CO., LIMITED  
 (11) AU-A-2021101281  
 (21) 2021101281 (22) 12.03.2021  
 (54) Orally-administered dosage form and method of producing the same  
 (51) Int. Cl.  
     **A61K 9/48** ( 2006.01 )  
     **A61J 3/07** ( 2006.01 )  
     **A61K 9/00** ( 2006.01 )  
 (45) 06.05.2021  
 (72) Ly, Paul  
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 (21) 2020104405

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(54) AN ARTIFICIAL INTELLIGENCE BASED HEART RATE MONITORING SYSTEM FOR SPORTS TRAINING

(51) Int. Cl.

**A61B 5/00** ( 2006.01 )

**A61B 5/332** ( 2021.01 )

**A61B 5/346** ( 2021.01 )

**G16H 50/20** ( 2018.01 )

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(21) 2021101153

(71) Pingdingshan University; Pingdingshan Academy of Agricultural Sciences

(11) AU-A-2021101153

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(54) CHINESE CHIVE HARVESTER

(51) Int. Cl.

**A01D 43/06** ( 2006.01 )

**A01D 43/08** ( 2006.01 )

**A01D 57/20** ( 2006.01 )

**A01D 61/02** ( 2006.01 )

(45) 06.05.2021

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(21) 2021101193

**Platoš, J. see Bhattacharyya, S.**  
(21) 2021101243

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**Pradhan, M.R. see Acharya, B.**  
(21) 2021100669

**Pradhan, A. see Mohapatra, A.**  
(21) 2021101296

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(21) 2021101279

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(21) 2021101148

**Pratap Singh Yadav, J.K. see Kumar Panda, S.**  
(21) 2021101143

**Priyadharsini, M. see Jaiswal, S.**  
(21) 2021101174

(71) PRTI Global Management, LLC

(11) AU-A-2021101230

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(54) APPARATUS AND METHOD FOR THERMALLY DEMANUFACTURING TIRES AND OTHER WASTE PRODUCTS

(51) Int. Cl.

**C10B 1/04** ( 2006.01 )

**B01J 19/24** ( 2006.01 )

**C08J 11/12** ( 2006.01 )

**C08J 11/14** ( 2006.01 )

**C10B 1/02** ( 2006.01 )

**C10B 49/02** ( 2006.01 )

**C10B 53/07** ( 2006.01 )

**C10G 3/00** ( 2006.01 )

(31) 63/155,140

(32) 01.03.21 (33) US

(45) 06.05.2021

(72) Machon, Wayne; Krauss, Alan; Seguin, Brian

(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) PT. Tradecorp Indonesia

(11) AU-A-2021101244

(21) 2021101244 (22) 10.03.2021

(54) A CONTAINER

(51) Int. Cl.

**B65D 90/62** ( 2006.01 )

**B65D 88/12** ( 2006.01 )

**B65D 88/54** ( 2006.01 )

**B65D 90/00** ( 2006.01 )

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(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

**Qaseem, M.S. see Shashidhar, K.**

(21) 2021101316

(71) Qilu University of Technology

(11) AU-A-2021100943

(21) 2021100943 (22) 19.02.2021

(54) A METHOD OF PREPARING CARBON SUPPORTED TRANSITION METAL SULFIDE ELECTRODE MATERIALS FROM BIO-OIL

(51) Int. Cl.

**H01G 11/24** ( 2013.01 )

**C01G 51/00** ( 2006.01 )

**C01G 53/11** ( 2006.01 )

**H01G 11/30** ( 2013.01 )

**H01G 11/44** ( 2013.01 )

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(74) Madderns Pty Ltd

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(11) AU-A-2021101297

(21) 2021101297 (22) 12.03.2021

(54) Genes of Calreticulin of *Sebastes schlegelii* and application thereof

(51) Int. Cl.

**C07K 14/46** ( 2006.01 )

**C12Q 1/6876** ( 2018.01 )

**C12N 15/70** ( 2006.01 )

(45) 06.05.2021

(72) Wang, Guanghua; Zhang, Min

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(11) AU-A-2021101306  
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(54) A SYSTEM AND METHOD FOR PRE-SERVING DISEASE-EVIDENCE-INFORMATION TO SUPPORT THE AUTOMATED DISEASE DETECTION  
(51) Int. Cl.  
G16H 50/20 ( 2018.01 )  
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A61K 31/337 ( 2006.01 )  
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(54) AWS-Cloud and Google Big Query Data Performance Improved using Machine and Deep Learning Programming  
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**(71)** Reid, J.  
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**(51)** Int. Cl.  
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**(54)** An optimization method for biomimetic self-healing nano composite coating  
**(51)** Int. Cl.  
*C09D 5/10* ( 2006.01 )  
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**(51)** Int. Cl.  
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**Samad, A. see Sharma, A.**  
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**(71)** Sayfa R&D Pty Ltd  
**(11)** AU-A-2021101176  
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**(54)** Structural Post for Fall Arrest and Rope Access  
**(51)** Int. Cl.  
*E06C 7/18* ( 2006.01 )  
*E04G 21/32* ( 2006.01 )  
*E04H 12/00* ( 2006.01 )  
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*A01F 12/40* ( 2006.01 )  
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 (51) Int. Cl.  
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 (11) AU-A-2021101166  
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 (51) Int. Cl.  
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 G05B 23/02 (2006.01)  
 H04L 29/06 (2006.01)  
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 (51) Int. Cl.  
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 G01R 33/56 ( 2006.01 )  
 G06K 9/34 ( 2006.01 )  
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 G16Y 10/55 ( 2020.01 )  
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 (21) 2021101195

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**Singh, L. see Cheepurupalli, K.K.**

(21) 2021101242

(71) Singh, L.; Husain, A.; Desai, D.; kumar, S.; Tripathi, G.; Belerao, K.T.; Dwivedi, Y.D.; Khedkar, A.E.; Chordiya, (.S.B.; Joshi, C.

(11) AU-A-2021101256

(21) 2021101256 (22) 10.03.2021

(54) Airplane Accidents Predictive Using AI and Machine Learning Programming

(51) Int. Cl.

G06F 17/16 ( 2006.01 )

G06F 17/18 ( 2006.01 )

G06Q 50/10 ( 2012.01 )

G06N 20/00 ( 2019.01 )

(45) 06.05.2021

(72) Singh, Laxman; Husain, Akhtar; Desai, Darshana; kumar, Sanjay; Tripathi, Gaurav; Belerao, Krushnadeo Tanaji; Dwivedi, Yagya Dutta; Khedkar, Ashutosh Eknath; Chordiya, (Dr.) S. B.; Joshi, C.

(74) Dr. Laxman Singh

**Singh, L. see Sharma, Y.K.**

(21) 2021101257

**Singh, P.K. see Sharma, Y.K.**

(21) 2021101257

**Singh, T.V. see Singh, R.K.**

(21) 2021101298

**Singh, U.S. see Singh, R.K.**

(21) 2021101298

(71) Singh, R.K.; Singh, T.V.; Singh, U.S.

(11) AU-A-2021101298

(21) 2021101298 (22) 12.03.2021

(54) A METHOD TO ANALYZE THE VARIABILITY IN THE ARCTIC SNOWMELT ONSET DATES (SMOD)

(51) Int. Cl.

G01W 1/10 ( 2006.01 )

(45) 06.05.2021

(72) Singh, Rajkumar Kamaljit; Singh, Thoudam Vilip; Singh, Urikhinbam Somas

(74) Rajkumar Kamaljit Singh

**Singh, S.K. see Shahi, S.**

(21) 2021101308

(71) Singh, M.; Nijhawan, P.; Ganguli, S.; Karelia, N.; Amir, M.

(11) AU-A-2021101318

(21) 2021101318 (22) 14.03.2021

(54) A new method for adaptive overcurrent protection for detection of series-shunt faults for low X/R distributed generators using d-components

(51) Int. Cl.

H02H 1/00 ( 2006.01 )

H02H 5/04 ( 2006.01 )

H02H 7/122 ( 2006.01 )

H02H 7/26 ( 2006.01 )

G01R 31/08 ( 2020.01 )

H02J 3/38 ( 2006.01 )

(45) 06.05.2021

(72) Singh, Manjeet; Nijhawan, Parag; Ganguli, Souvik; Karelia, Nirav; Amir, Mohammad

(74) Manjeet Singh

**SINGH, K. see CHANDRA, R.**

(21) 2021101010

**Singhal, R.K. see Dahivale, R.P.**

(21) 2021101231

(71) SiteKee

(11) AU-A-2021101120

(21) 2021101120 (22) 02.03.2021

(54) A method that ensures any person performing an asset service or visit is physically located at the asset when performing the task and provides real time information to the service provider and the asset owner. The method also includes ensuring a person visiting a location is present at that location at that time and this information is shared with interested parties.

(51) Int. Cl.

G07C 9/32 ( 2020.01 )

G06Q 50/12 ( 2012.01 )

G06Q 50/22 ( 2018.01 )

G06Q 50/26 ( 2012.01 )

(45) 06.05.2021

(72) Sultana, Mario; Spearritt, Ross

(74) SiteKee

**Siwach, M. see Choudhary, A.**

(21) 2021101278

(71) SmartComm Electronics Pte Ltd

(11) AU-A-2021101289

(21) 2021101289 (22) 12.03.2021

(54) Food waste recycle machine

(51) Int. Cl.

C05F 17/929 ( 2020.01 )

A23K 10/12 ( 2016.01 )

B09B 3/00 ( 2006.01 )

(31) 10202102313U (32) 08.03.21 (33) SG

(45) 06.05.2021

(72) WANG, Haiwei

(74) LAMINAR IP PTY LTD

**Snasel, V. see Bhattacharyya, S.**

(21) 2021101243

**SOMAYAJULU, M. see Y, K.**

(21) 2021101320

**Soni, P. see Singh, P.D.**

(21) 2021101149

(71) Soni, M.; Singh, D.K.; Gupta, V.; Hasan, A.; Dhiman, G.; Churi, P.; Khan, I.R.; Sharma, T.; doewes, R.; Gomathi, S.

(11) AU-A-2021101195

(21) 2021101195 (22) 07.03.2021

(54) Privacy-preserving Authentication and Key-Management Protocol for Health Information System

(51) Int. Cl.

H04L 9/32 ( 2006.01 )

G16H 10/60 ( 2018.01 )

(45) 06.05.2021

(72) Soni, Mukesh; Singh, Dileep Kumar; Gupta, Vedika; Hasan, Asif; Dhiman, Gaurav; Churi, Prathamesh; Khan, Ihtiram Raza; Sharma, Tripti; doewes, Rumi iqbal; Gomathi, S.

(74) Mukesh Soni

(71) Southern Marine Science and Engineering Guangdong Laboratory (Zhanjiang); China University of Petroleum (East China)

(11) AU-A-2021101183

(21) 2021101183 (22) 05.03.2021

(54) Closed Ocean Thermal Energy Conversion System

(51) Int. Cl.

F03G 7/05 ( 2006.01 )

(31) 202110115436.5 (32) 28.01.21 (33) CN

(45) 06.05.2021

(72) ZHANG, Li; LI, Bin; XU, Minghai; HUANG, Shimiao

(74) WRAYS PTY LTD

(71) Southwest University

(11) AU-A-2021101197

(21) 2021101197 (22) 07.03.2021

(54) Facial recognition system based on neural network

(51) Int. Cl.

G06K 9/00 ( 2006.01 )

G06N 3/02 ( 2006.01 )

(45) 06.05.2021

(72) Gong, Xiaomei; Zhang, Zhuoxian; Dong, Tao

(74) Tao Dong

(71) Southwest University

(11) AU-A-2021101276

(21) 2021101276 (22) 11.03.2021

(54) An automatic text selection encryption system

(51) Int. Cl.

G06F 21/62 ( 2013.01 )

G06F 21/31 ( 2013.01 )

G06F 21/60 ( 2013.01 )

(45) 06.05.2021

(72) Dong, Tao; Gong, Xiaomei

(74) Tao Dong

(71) Southwest University of Science and Technology

(11) AU-A-2021101291

Innovation Patents Open to Public Inspection - Name Index cont'd

(21) 2021101291 (22) 12.03.2021  
**(54)** VISION-BASED POSITIONING SYSTEM FOR SLOT DURING HIGH-SPEED MOTION AND POSITIONING METHOD THEREOF  
**(51)** Int. Cl.  
*G06T 7/00* ( 2017.01 )  
*A01K 95/00* ( 2006.01 )  
*G06Q 50/02* ( 2012.01 )  
*G06T 7/10* ( 2017.01 )  
*G06T 7/246* ( 2017.01 )  
**(45)** 06.05.2021  
**(72)** Liu, Zihong; Yao, Jinfeng; Li, Yongqiao; Zeng, Yangji  
**(74)** Paterson IP

**(71)** Sreelakshmi, K.; Rao, G.S.; Kumar, M.N.V.S.S.  
**(11)** AU-A-2021101248  
**(21)** 2021101248 (22) 10.03.2021  
**(54)** A RECONFIGURABLE QUAD-BAND ANTENNA DEVICE FOR WIRELESS COMMUNICATION  
**(51)** Int. Cl.  
*H01Q 5/378* ( 2015.01 )  
*H01Q 5/10* ( 2015.01 )  
*H01Q 9/42* ( 2006.01 )  
*H01Q 23/00* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Sreelakshmi, Koduri; Rao, Gottapu Sasibhushana; Kumar, M. N. V. S. S.  
**(74)** Koduri Sreelakshmi

**Subramanyam, M.V. see Cheepurupalli, K.K.**  
**(21)** 2021101242

**Suchitra, M. see Jagadeesh, B.**  
**(21)** 2021101258

**Sudheesh K., V. see Jagadeesh, B.**  
**(21)** 2021101258

**Sultana, F. see Shashidhar, K.**  
**(21)** 2021101316

**Sura, M.R. see Shashidhar, K.**  
**(21)** 2021101316

**S V, S. see B, R.**  
**(21)** 2021101126

**SVB, S.R. see L., R.**  
**(21)** 2021101292

**Syed, M.H. see Upreti, K.**  
**(21)** 2021101132

**Syed, M.P. see Korra, S.N.**  
**(21)** 2021101252

**T.J, D. see K, V.S.M.B.**  
**(21)** 2021100745

**(71)** TAG 360 PTY LIMITED  
**(11)** AU-A-2021101250  
**(21)** 2021101250 (22) 10.03.2021  
**(54)** ShabuLite | Device for vaporising medicinal and chemical compounds for inhalation  
**(51)** Int. Cl.  
*F23Q 2/00* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Hanna, Daniel  
**(74)** TAG 360 PTY LIMITED

**(71)** Taiwan Innovative Space, Inc.  
**(11)** AU-A-2020103757  
**(21)** 2020103757 (22) 29.11.2020  
**(54)** Hybrid Rocket Engine With Improved Solid Fuel Segment  
**(51)** Int. Cl.  
*F02K 9/10* ( 2006.01 )  
*F02K 9/32* ( 2006.01 )  
*F02K 9/52* ( 2006.01 )  
*F02K 9/72* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** CHEN, Yen-Sen  
**(74)** A.P.T. Patent and Trade Mark Attorneys

**(71)** Taiwan Innovative Space, Inc.  
**(11)** AU-A-2020103758  
**(21)** 2020103758 (22) 29.11.2020  
**(54)** Oxidizer Injector for Motor  
**(51)** Int. Cl.  
*F02K 9/52* ( 2006.01 )  
*F02K 9/72* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** CHEN, Yen-Sen  
**(74)** A.P.T. Patent and Trade Mark Attorneys

**(71)** Taiyuan University of Technology  
**(11)** AU-A-2021101226  
**(21)** 2021101226 (22) 09.03.2021  
**(54)** STROKE LESION SEGMENTATION METHOD AND SYSTEM  
**(51)** Int. Cl.  
*G16H 30/40* ( 2018.01 )  
*G06N 3/04* ( 2006.01 )  
*G06N 3/08* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
*G06T 7/11* ( 2017.01 )  
*G06T 11/00* ( 2006.01 )  
**(31)** 202011047387. 8 **(32)** 29.09.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** ZHANG, Xueying; HUI, Haisheng; WANG, Suzhe; LI, Fenglian; WU, Zelin  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Taiyuan University of Technology  
**(11)** AU-A-2021101262  
**(21)** 2021101262 (22) 11.03.2021

**(54)** Device for simultaneous installation of acoustic emission probe and microseismic probe and test method for specimens  
**(51)** Int. Cl.  
*E21B 47/017* ( 2012.01 )  
*E21C 39/00* ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Duan, Dong; Feng, Xiaojing; Ren, Huiliang; Zhao, Kailei; Liu, Wenbo; Chen, Sishun; Sun, Jiang  
**(74)** Alder IP Pty Ltd

**Tamrakar, S. see B, P.**  
**(21)** 2021101096

**Taniar, D. see Rajinikanth, V.**  
**(21)** 2021101306

**(71)** Tea Research Institute, Guangdong Academy of Agricultural Sciences  
**(11)** AU-A-2021101179  
**(21)** 2021101179 (22) 05.03.2021  
**(54)** APPLICATION OF THEANINE IN PREPARATION OF PRODUCTS FOR ALLEVIATING ALCOHOLIC LIVER INJURY  
**(51)** Int. Cl.  
*A61K 31/197* ( 2006.01 )  
*A23L 2/52* ( 2006.01 )  
*A23L 33/105* ( 2016.01 )  
*A61K 36/82* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
**(31)** 2020106959101 **(32)** 17.07.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** Sun, Shili; Sun, Lingli; Li, Qiuhua; Chen, Ruohong; Zhang, Wenji; Lai, Xingfei; Lai, Zhaoxiang; Li, Zhigang; Cao, Junxi; Wen, Shuai  
**(74)** Madderns Pty Ltd

**Thakare, A.N. see Regulwar, G.B.**  
**(21)** 2021101128

**(71)** The Fourth Medical Center of Chinese People's Liberation Army General Hospital  
**(11)** AU-A-2021101283  
**(21)** 2021101283 (22) 12.03.2021  
**(54)** Rehabilitation Chair for Orthopedics Department  
**(51)** Int. Cl.  
*A61H 1/02* ( 2006.01 )  
**(31)** 202011304558.0 **(32)** 19.11.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** Liu, Yaosheng; Zhang, Bin; Jiang, Weihao; Cao, Xuyong; Cao, Yuncen; Wang, Lei; Yang, Binbin; Liu, Shubin  
**(74)** HopgoodGanim

**(71)** The Fourth Medical Center of Chinese People's Liberation Army General Hospital  
**(11)** AU-A-2021101287

Innovation Patents Open to Public Inspection - Name Index cont'd

(21) 2021101287 (22) 12.03.2021  
 (54) Adjustable minimal-invasive decompression guiding device for femoral head necrosis in operating room  
 (51) Int. Cl.  
**A61B 17/17** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 90/50** ( 2016.01 )  
 (31) 202011227104.8 (32) 06.11.20 (33) CN  
 (45) 06.05.2021  
 (72) LIU, Yaosheng; CAO, Xuyong; LEI, Mingxing; CAO, Yuncen; LIU, Shubin; TANG, Peifu  
 (74) HopgoodGanim

(71) The Modern Medics Pty Ltd  
 (11) AU-A-2021101245  
 (21) 2021101245 (22) 10.03.2021  
 (54) A REHABILITATION DEVICE  
 (51) Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**A61F 5/058** ( 2006.01 )  
**A61H 1/02** ( 2006.01 )  
 (45) 06.05.2021  
 (72) LOOPSTRA, Cody M.  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) The Scooter Factory Pty Ltd  
 (11) AU-A-2021101282  
 (21) 2021101282 (22) 12.03.2021  
 (54) A ready access off-road vehicle  
 (51) Int. Cl.  
**A61G 5/04** ( 2013.01 )  
**A61G 5/14** ( 2006.01 )  
**B62K 5/003** ( 2013.01 )  
**B62K 5/023** ( 2013.01 )  
 (45) 06.05.2021  
 (62) 2016282073  
 (72) TAYLOR, Stephen  
 (74) Baxter Patent Attorneys Pty Ltd

(71) The Second Medical Center, Chinese PLA General Hospital; Shanghai Eagle-Vision Medical Technology Co., Ltd  
 (11) AU-A-2021101135  
 (21) 2021101135 (22) 03.03.2021  
 (54) Fundus Image Processing Method and Device  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06K 9/00** ( 2006.01 )  
 (45) 06.05.2021  
 (72) Zeng, Qiang; Zhang, Dalei; Xiong, Jianhao; Li, Shulei; Zhao, Xin  
 (74) Alder IP Pty Ltd

(71) THOMAS, A.  
 (11) AU-A-2021100357  
 (21) 2021100357 (22) 20.01.2021  
 (54) PROTECTO ANTIMICROBIAL MOLDED PALSTIC PRAM-STROLLER-BASSINET HANDLE  
 (51) Int. Cl.  
**B62B 9/20** ( 2006.01 )  
**C08K 3/105** ( 2018.01 )  
**C09D 5/14** ( 2006.01 )

(45) 06.05.2021  
 (72) THOMAS, ALAN JOHN  
 (74) ALAN JOHN THOMAS

**Thota, S.P. see K, V.S.M.B.**  
 (21) 2021100745

(71) TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING, M. O. T.  
 (11) AU-A-2021101270  
 (21) 2021101270 (22) 11.03.2021  
 (54) STAGGERED TYPE OPEN-HOLE WAVE-DISSIPATING BREAKWATER SUITABLE FOR OBLIQUE WAVE ACTION  
 (51) Int. Cl.  
**E02B 3/06** ( 2006.01 )  
 (31) 202022385428.6 (32) 23.10.20 (33) CN  
 (45) 06.05.2021  
 (72) JIANG, Yunpeng; CHEN, Hanbao; SHEN, Wenjun; ZHAO, Xu; ZHANG, Yajing; ZHAO, Peng; YANG, Huili; ZHANG, Ting; TAN, Zhonghua; MA, Jun  
 (74) LAMINAR IP PTY LTD

(71) TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING, M. O. T.  
 (11) AU-A-2021101271  
 (21) 2021101271 (22) 11.03.2021  
 (54) FLOW DIVIDING STRUCTURE OF WATER INLET FRONT POOL SUITABLE FOR CONCENTRATED WATER CONVEYANCE OF SINGLE PIPE CULVERT  
 (51) Int. Cl.  
**E02B 5/08** ( 2006.01 )  
**E03B 1/02** ( 2006.01 )  
 (31) 202022382496.7 (32) 23.10.20 (33) CN  
 (45) 06.05.2021  
 (72) JIANG, Yunpeng; ZHANG, Huaqing; CHEN, Hanbao; SHEN, Wenjun; GE, Longzai; XIONG, Yan; ZHAO, Peng; XU, Yanan; LIU, Haiying; YU, Bin; ZHANG, Wei  
 (74) LAMINAR IP PTY LTD

(71) Tianjin University  
 (11) AU-A-2021101234  
 (21) 2021101234 (22) 10.03.2021  
 (54) CYCLOPENTADIENYL THREE-MEMBERED RING FUEL, PREPARATION METHOD AND APPLICATION THEREOF, AND AEROSPACE AIRCRAFT FUEL  
 (51) Int. Cl.  
**C07C 2/40** ( 2006.01 )  
**C07C 13/64** ( 2006.01 )  
**C07C 13/68** ( 2006.01 )  
**C07C 13/72** ( 2006.01 )  
**C10L 1/04** ( 2006.01 )  
 (31) 202010402286.1 (32) 13.05.20 (33) CN  
 (45) 06.05.2021  
 (72) PAN, Lun; ZOU, Jijun; MA, Chi; ZHANG, Xiangwen  
 (74) Burns IP & Commercial Pty Ltd

**TOOMULA, S. see Jaiswal, S.**  
 (21) 2021101172

**Tripathi, P. see Sharma, A.**  
 (21) 2021101251

**Tripathi, G. see Singh, L.**  
 (21) 2021101256

**TRIPATHI, S. see CHANDRA, R.**  
 (21) 2021101010

(71) Truniversal Products Pty Ltd  
 (11) AU-A-2021101267  
 (21) 2021101267 (22) 11.03.2021  
 (54) Container Scoop  
 (51) Int. Cl.  
**E04F 21/06** ( 2006.01 )  
**B08B 1/00** ( 2006.01 )  
**B08B 9/08** ( 2006.01 )  
**E04G 21/20** ( 2006.01 )  
 A47L 13/08 ( 2006.01 )  
 A47L 17/06 ( 2006.01 )  
 E04G 21/16 ( 2006.01 )  
 (45) 06.05.2021  
 (72) Patruno, Michael  
 (74) Collison & Co

(71) Upreti, K.; Vargis, B.K.; Syed, M.H.; Kumar, N.; Jain, V.; Gupta, S.; Alam, M.S.; Jalil, S.Z.A.; Nasir, M.S.  
 (11) AU-A-2021101132  
 (21) 2021101132 (22) 03.03.2021  
 (54) ANALYSIS AND MONITORING OF BRAINWAVES FOR EPILEPSY TREATMENT USING ARTIFICIAL INTELLIGENCE  
 (51) Int. Cl.  
**A61B 5/372** ( 2021.01 )  
 (31) 202111007822 (32) 24.02.21 (33) IN  
 (45) 06.05.2021  
 (72) Upreti, Kamal; Vargis, Binu Kuriakose; Syed, Mohammad Haider; Kumar, Nishant; Jain, Vishal; Gupta, Stuti; Alam, Mohammad Shabbir; Jalil, Siti Zura A.; Nasir, Mohammad Shahnawaz  
 (74) Kamal Upreti

(71) Usman, M.R.M.; Patil, A.S.; Rathod, S.R.; Babu, S.S.S.  
 (11) AU-A-2021101125  
 (21) 2021101125 (22) 02.03.2021  
 (54) A METHOD OF PREPARATION OF ETHANOLIC EXTRACT OF LEAVES OF CASSIA JAVANICA LINN. IN TRITON INDUCED RATS FOR ANTI-HYPERLIPIDEMIC EFFECT  
 (51) Int. Cl.  
**A61K 36/482** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
 (45) 06.05.2021  
 (72) Usman, Mohammed Rageeb Mohammed; Patil, Akshay Shashikant;



Innovation Patents Open to Public Inspection - Name Index cont'd

Rathod, Sanjay Ranjit; Babu, Shaikh  
Salman Shaikh  
**(74)** Mohammed Rageeb Mohammed Us-  
man

**V, N.M. see M, L.**  
**(21)** 2020104405

**V, M. see M, M.**  
**(21)** 2021101121

**V, K. see Mummadi, U.K.**  
**(21)** 2021101322

**V. Dehankar, A. see Regulwar, G.B.**  
**(21)** 2021101128

**VADHRI, S. see L., R.**  
**(21)** 2021101292

**Vanathi, B. see Pabitha, C.**  
**(21)** 2021101300

**Vargis, B.K. see Upreti, K.**  
**(21)** 2021101132

**Vatchala, S. see Jaiswal, S.**  
**(21)** 2021101172

**Venkatesh, C. see Bellum, R.R.**  
**(21)** 2021101075

**(71)** Verma, B.K.; Lokulwar, P.; Aquatar,  
M.O.; Panda, R.B.; Raghuvanshi, G.K.;  
Dixit, P.; Nigam, U.; Khan, I.R.; Kumar,  
P.; Ahmed, A.A.A.

**(11)** AU-A-2021101194  
**(21)** 2021101194 **(22)** 07.03.2021

**(54)** A SMART CITY SYSTEM FOR  
CITIZEN'S UTILIZING UBIQUITOUS  
COMPUTING TECHNIQUE

**(51)** Int. Cl.  
**G06Q 50/10** ( 2012.01 )

**(45)** 06.05.2021

**(72)** Verma, Basant Kumar; Lokulwar,  
Prasad; Aquatar, Mahammed Osim;  
Panda, Rahas Bihari; Raghuvanshi,  
Geetanjali Khambra; Dixit, Priyanka;  
Nigam, Utkarsh; Khan, Ihtiram Raza;  
Kumar, Pankaj; Ahmed, Alim Al Ayub

**(74)** Basant Kumar Verma

**Verma, S. see Cheepurupalli, K.K.**  
**(21)** 2021101242

**(71)** Vidyalankar School of Information Tech-  
nology

**(11)** AU-A-2021101147

**(21)** 2021101147 **(22)** 03.03.2021

**(54)** SYSTEMS AND METHODS FOR AN  
INTERACTIVE VIRTUAL PERSONAL  
ASSISTANT

**(51)** Int. Cl.  
**G10L 15/22** ( 2006.01 )  
**G06F 3/0481** ( 2013.01 )  
**G06F 3/16** ( 2006.01 )  
**G06F 9/451** ( 2018.01 )  
**G06F 16/33** ( 2019.01 )  
**G06F 40/40** ( 2020.01 )  
**H04L 12/58** ( 2006.01 )

**(45)** 06.05.2021

**(72)** Choudhary, Prince Kumar; Shaikh, Mo-  
hammed Monis; Kelkar, Rohini; Patil,  
Rajendra; Mahajan, Prachi; Rampur-  
awala, Asif

**(74)** Saurabh Kumar Jain Sonu

**(71)** VINOTH, K.; RAMESH BABU, M.;  
Kumar, C.V.; CHIDAMBARARAJ, N.;  
PRASAD, H.; NISHANT, S.; ARAVIND-  
HAN, K.; CHILAMBARARSAN, M.

**(11)** AU-A-2021101279

**(21)** 2021101279 **(22)** 12.03.2021

**(54)** FUZZY LOGIC BASED GRID CON-  
NECTED HYBRID ENERGY SYSTEM  
WITH MODIFIED LUO CONVERTER

**(51)** Int. Cl.  
**G05B 13/04** ( 2006.01 )  
**G05B 13/02** ( 2006.01 )  
**H02J 1/02** ( 2006.01 )  
**H02M 1/10** ( 2006.01 )  
**H02M 1/14** ( 2006.01 )  
**H02M 3/00** ( 2006.01 )  
**G05B 11/42** ( 2006.01 )  
**G05B 17/00** ( 2006.01 )

**(45)** 06.05.2021

**(72)** VINOTH, K.; M., RAMESH BABU;  
Kumar, C. Venkatesh; N., CHIDAM-  
BARARAJ; H., PRASAD; S., NISHANT;  
K., ARAVINDHAN; M., CHILAM-  
BARARSAN

**(74)** Senan IP

**Vitthal, B.S. see Regulwar, G.B.**  
**(21)** 2021101128

**VN, S.K.C. see L., R.**  
**(21)** 2021101292

**Walke, P.V. see Raut, A.S.**  
**(21)** 2021101193

**Waris, S.F. see Korra, S.N.**  
**(21)** 2021101252

**(71)** Wei, T.

**(11)** AU-A-2021101187

**(21)** 2021101187 **(22)** 05.03.2021

**(54)** Structure and control method of half-  
bridge bidirectional converter

**(51)** Int. Cl.  
**H02M 3/335** ( 2006.01 )  
**H02M 1/08** ( 2006.01 )  
**H02M 1/42** ( 2007.01 )

**H02M 7/527** ( 2006.01 )

**H02M 1/00** ( 2007.01 )

**(45)** 06.05.2021

**(72)** Wei, Tengfei

**(74)** Remarkable IP

**(71)** Wheath Lohmann Centralin (GZ) Co.,  
Ltd.

**(11)** AU-A-2019101793

**(21)** 2019101793 **(22)** 24.06.2019

**(54)** Safety lock structure for packaging box

**(51)** Int. Cl.  
**B65D 50/04** ( 2006.01 )  
**B65D 41/04** ( 2006.01 )  
**B65D 55/02** ( 2006.01 )

**(31)** 201822071631.9 **(32)** 10.12.18 **(33)** CN

**(45)** 06.05.2021

**(72)** CHO, Tai Yung Titus; LIU, Haitao

**(74)** Remarkable IP

**(71)** Wuxi JHT Homewares Co., Ltd.

**(11)** AU-A-2021101295

**(21)** 2021101295 **(22)** 12.03.2021

**(54)** COMPOSITE MATERIAL COMPRIS-  
ING GRAPHENE QUANTUM DOTS  
AND METHOD FOR PREPARING THE  
SAME

**(51)** Int. Cl.  
**C08J 9/35** ( 2006.01 )  
**C08J 9/34** ( 2006.01 )  
**C08K 3/04** ( 2006.01 )  
**C08K 5/053** ( 2006.01 )  
**C08K 5/205** ( 2006.01 )  
**C08K 5/54** ( 2006.01 )  
**C08L 75/04** ( 2006.01 )

**(31)** 202110029490.8 **(32)** 11.01.21 **(33)** CN

**(45)** 06.05.2021

**(72)** WAN, Yong

**(74)** Matthias Scholl Inc.

**Xuzhou Meixin Food Co.,LTD see Xuzhou  
University of Technology**

**(21)** 2021101017

**(71)** Xuzhou University of Technology;  
Xuzhou Meixin Food Co.,LTD

**(11)** AU-A-2021101017

**(21)** 2021101017 **(22)** 24.02.2021

**(54)** A special flavor probiotic mushroom  
soup and a preparation method thereof

**(51)** Int. Cl.  
**A23L 31/00** ( 2016.01 )  
**A23L 23/00** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )

**(45)** 06.05.2021

**(72)** Meng, Weiwei; Liu, Enqi; Tian, Gao;  
Li, Yuefan; Xie, Chunzhi; Rong, Cong;  
Chen, Hang; Shu, Dechang

**(74)** Alder IP Pty Ltd

**(71)** Xuzhou University Of Technology

**(11)** AU-A-2021100867

**(21)** 2021100867 **(22)** 12.02.2021

**(54)** A Pre-miscible Equipment and Its Work-  
ing Method for Desert Soil Conditioner

**(51)** Int. Cl.

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**B01F 9/08** ( 2006.01 )  
**B01F 3/12** ( 2006.01 )  
**B01F 9/02** ( 2006.01 )  
**C09K 17/40** ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** YANG, Chengfang; LIANG, Zhi; TAO, Jinhao; WU, Yifan; ZHANG, Lei; YE, Huiping  
**(74)** WRAYS PTY LTD

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**(71)** XUZHOU UNIVERSITY OF TECHNOLOGY  
**(11)** AU-A-2021101254  
**(21)** 2021101254 **(22)** 10.03.2021  
**(54)** PASTEURIZED MILK TREATMENT DEVICE  
**(51)** Int. Cl.  
**A23C 3/033** ( 2006.01 )  
**(31)** 202011174237.3 **(32)** 28.10.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** WANG, Tao; LI, Wen; LIU, Xi; LIU, Xun  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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**(71)** Y, K.; NAGARAJU, M.; RAJARAO, M.; SOMAYAJULU, M.; KOTESWARA-MMA, A.; POOJARANI, C.  
**(11)** AU-A-2021101320  
**(21)** 2021101320 **(22)** 14.03.2021  
**(54)** Bitcoin Price Predictor Using AI-Based Programming  
**(51)** Int. Cl.  
**G06Q 40/04** ( 2012.01 )  
**G06Q 50/34** ( 2012.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**H04L 9/32** ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** Y., KASIVISWANADHAM; NAGARAJU, MELAM; RAJARAO, M.V.L.N.; SOMAYAJULU, M.V.S.; KOTESWARA-MMA, ALLADA; POOJARANI, CHEERLA  
**(74)** KASIVISWANADHAM Y

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**(21)** 2021101242

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**YADAV, S. see CHANDRA, R.**  
**(21)** 2021101010

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**(21)** 2021101209

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**(71)** Yangzhou University  
**(11)** AU-A-2021101223  
**(21)** 2021101223 **(22)** 09.03.2021  
**(54)** METHOD FOR LONG-TERM IN VITRO CULTURE OF CHICKEN PGCS  
**(51)** Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**(31)** 202010410510.1 **(32)** 15.05.20 **(33)** CN

**(45)** 06.05.2021  
**(72)** Yang, Ting; Chang, Guobin; Qiu, Lingling; Chen, Bowen; Kong, Linglin; Bai, Meng; Dong, Zhaoqi; Hu, Xiaodan  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Yaramen Pty Ltd  
**(11)** AU-A-2021101171  
**(21)** 2021101171 **(22)** 04.03.2021  
**(54)** Fuel cap alarm  
**(51)** Int. Cl.  
**G08B 21/24** ( 2006.01 )  
**B64D 37/00** ( 2006.01 )  
**G01D 3/08** ( 2006.01 )  
**G01D 5/12** ( 2006.01 )  
**G08B 5/38** ( 2006.01 )  
**B60K 15/03** ( 2006.01 )  
**B60K 15/04** ( 2006.01 )  
**(31)** 2020900652 **(32)** 04.03.20 **(33)** AU  
**(45)** 06.05.2021  
**(72)** Webb, Eric  
**(74)** Spruson & Ferguson

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**Yaseen, S.M. see Peroumal, V.**  
**(21)** 2021101272

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**(71)** Zhejiang Academy of Agricultural Sciences  
**(11)** AU-A-2021101167  
**(21)** 2021101167 **(22)** 04.03.2021  
**(54)** Botrytis cinerea inhibitor and use thereof  
**(51)** Int. Cl.  
**A01N 37/18** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**(31)** 202010169731.4 **(32)** 12.03.20 **(33)** CN  
**(45)** 06.05.2021  
**(72)** Cheng, Yuan; Zhou, Guozhi; Yao, Zhuping; Wan, Hongjian; Ruan, Meiyi; Wang, Rongqing; Ye, Qingjing; Mao, Qi  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** ZHONGFANLIAN TECHNOLOGY DEVELOPMENT CO., LTD  
**(11)** AU-A-2021101035  
**(21)** 2021101035 **(22)** 25.02.2021  
**(54)** PROCESS FOR RECOVERING AMMONIA FROM VANADIUM PREPARATION FOR AMMONIUM PREPARATION AND RECYCLING WASTEWATER  
**(51)** Int. Cl.  
**C22B 34/22** ( 2006.01 )  
**C01G 31/02** ( 2006.01 )  
**C22B 3/04** ( 2006.01 )  
**C22B 3/06** ( 2006.01 )  
**C22B 3/26** ( 2006.01 )  
**C02F 1/56** ( 2006.01 )  
**(45)** 06.05.2021  
**(72)** XU, Xiaodi; ZHOU, Honghui  
**(74)** Houlihan<sup>2</sup> Pty Ltd

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**(71)** Zillicymbals  
**(11)** AU-A-2021101156  
**(21)** 2021101156 **(22)** 04.03.2021

**(54)** Jazz2Rock  
**(51)** Int. Cl.  
**G10D 13/10** ( 2020.01 )  
**G10D 13/18** ( 2020.01 )  
**G10D 13/14** ( 2020.01 )  
**(45)** 06.05.2021  
**(72)** Tekin, Aydin  
**(74)** Zillicymbals

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<b>2020103757</b>	Taiwan Innovative Space, Inc.	<b>2021101122</b>	Seed Terminator Holdings Pty Ltd
<b>2020103758</b>	Taiwan Innovative Space, Inc.	<b>2021101123</b>	Seed Terminator Holdings Pty Ltd
<b>2020104405</b>	M, L.; Ponmozhi, B.R.A.; Rengaraju, P.; C, A.S.; Arthi, K.; Manikandan, M.; V, N.M.; M, P.; kumar, C.L.; Periyasamy, P.; Ravikumar, D.; Devi, V.; Shanmigham, B.; Rajashree, R.; REDDY, G.D.; Manoharan, H.; Kshirsagar, P.R.; Peroumal, V.	<b>2021101125</b>	Usman, M.R.M.; Patil, A.S.; Rathod, S.R.; Babu, S.S.S.
<b>2020104417</b>	Homewood, D.	<b>2021101126</b>	B, R.; S, K.D.; MOBI, R.; S V, S.; CB, S.
<b>2021100005</b>	Dahiya, V.	<b>2021101128</b>	Regulwar, G.B.; Nair, P.S.; Vitthal, B.S.; V. Dehankar, A.; S. Golait, S.; Thakare, A.N.; Potnurwar, A.V.; Pimpalshende, A.; Chaudhari, P.M.; Das, S.
<b>2021100006</b>	Dahiya, V.	<b>2021101130</b>	Rajkhowa, S.; Choudhury, M.; Rajesh, J.B.
<b>2021100357</b>	THOMAS, A.	<b>2021101131</b>	Deep, K.; Singh, P.D.; Singh, A.; Kumar, M.; Khurana, R.; Rayat, A.S.; Sandhu, G.K.; Bhatia, J.; Singh, G.
<b>2021100574</b>	GlassFit Australia Pty Ltd	<b>2021101132</b>	Upreti, K.; Vargis, B.K.; Syed, M.H.; Kumar, N.; Jain, V.; Gupta, S.; Alam, M.S.; Jalil, S.Z.A.; Nasir, M.S.
<b>2021100602</b>	College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur; Jain, N.; Agarwal, U.; Sharma, G.	<b>2021101133</b>	Beijing Institute of Nutritional Resources; Beijing Health Information Medical Technology Inc
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<b>2021100669</b>	Acharya, B.; Kalra, D.; Pradhan, M.R.; Mago, B.; Jamader, A.R.; Das, P.	<b>2021101135</b>	The Second Medical Center, Chinese PLA General Hospital; Shanghai EagleVision Medical Technology Co., Ltd
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<b>2021100714</b>	Sichuan University of Science and Engineering	<b>2021101137</b>	Meng, Z.
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<b>2021100842</b>	Global Card Systems Company Limited	<b>2021101144</b>	Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences
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<b>2021101175</b>	Liaoning Academy of Agricultural Sciences; Liaoning Shunyi Agricultural Technology Co., Ltd; Shunfeng Agriculture Group Co., Ltd	<b>2021101234</b>	Tianjin University
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<b>2021101219</b>	China University of Petroleum (East China); Dongying Zhishui Environmental Protection Technology Co. LTD; Shandong Shuojie Biotechnology Co., Ltd	<b>2021101272</b>	Peroumal, V.; Periyasamy, P.; Belsam Jeba Ananth, M.; Revathi, K.G.; Rajkumar, E.; Cherappurath, N.; Elayaraja, M.; Kabeer, D.A.; CB, R.; Muhammed Ali, T.; Ghantasala, G.; Mugunthan, S.R.; Sathiyamoorthy, C.; Mohan, A.; Yaseen, S.M.; Mir, L.A.; Kshirsagar, P.R.
<b>2021101223</b>	Yangzhou University	<b>2021101273</b>	Bewoor, L.A.; Kale, P.; Panchpor, M.
<b>2021101224</b>	Animal Products Quality and Safety Center of Shandong Province	<b>2021101274</b>	koshariya, A.K.; Chakrabarti, T.; Hati, A.S.; Bhuvana, J.; Raj, T.B.; Narmadha, C.; Hamsadhvani, V.; Arulmurugan, A.; Khan, T.A.K.; Hangaragi, S.S.; Chakrabarti, P.; Devi, G.R.
<b>2021101225</b>	Miles, S.	<b>2021101276</b>	Southwest University
<b>2021101226</b>	Taiyuan University of Technology	<b>2021101278</b>	Choudhary, A.; Arora, A.; Siwach, M.; Gupta, A.
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<b>2021101228</b>	JHA, N.; Parikh, N.S.		
<b>2021101229</b>	FCI Holdings Delaware, Inc.		
<b>2021101230</b>	PRTI Global Management, LLC		
<b>2021101231</b>	Dahivale, R.P.; Gurusamy, M.; Kavitha, V.R.; Periyasamy, P.; Nayas, M.; Gulati, K.; Seth, J.K.; Bhasin, N.K.; Singhal, R.K.; Pandey, R.R.; Kavitha, R.; C, B., ..		

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- 2021101289 SmartComm Electronics Pte Ltd
- 2021101290 Battery Graphene Corp Pty Ltd
- 2021101291 Southwest University of Science and Technology
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- 2021101295 Wuxi JHT Homewares Co., Ltd.
- 2021101296 Mohapatra, A.; Mohapatra, S.; Acharya, B.; Das, P.; Ja-  
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- 2021101297 Qingdao Agricultural University
- 2021101298 Singh, R.K.; Singh, T.V.; Singh, U.S.
- 2021101300 Pabitha, C.; Vanathi, B.
- 2021101301 B.S, S.; SANJEEV, L.; H.N, G.
- 2021101304 HUMCEN GLOBAL PVT.LTD; ,, S.; ,, S.; ,, K.K.; ,,  
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- 2021101306 Rajinikanth, V.; Kadry, S.; Taniar, D.; Damasevicius, R.
- 2021101308 Shahi, S.; Singh, S.K.
- 2021101309 B.S, S.; H.N, G.; SANJEEV, L.
- 2021101314 Henan Zhongyu Dingli Intelligent Equipment Co., LTD
- 2021101316 Shashidhar, K.; Madupu, A.; Gopinath, R.; Sura, M.R.;  
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- 2021101317 Nepal, C.; Mainali, B.P.
- 2021101318 Singh, M.; Nijhawan, P.; Ganguli, S.; Karella, N.; Amir,  
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- 2021101320 Y, K.; NAGARAJU, M.; RAJARAO, M.; SOMAYAJULU,  
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- 2021101322 Mummadi, U.K.; V, K.; Damera, V.K.; Reddy P., S.;  
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<b><u>B22F 1/-</u></b>	<b><u>B61L 23/-</u></b>	<b><u>C01G 53/-</u></b>	<b><u>C07K 14/-</u></b>	<b><u>C10L 11/-</u></b>	2021101271
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<b><u>B24D 15/-</u></b>	<b><u>B62B 3/-</u></b>	<b><u>C02F 1/-</u></b>	<b><u>C08B 37/-</u></b>	<b><u>C10L 5/-</u></b>	2021101263
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2021101208	2021101250	<b><u>G01R 1 /-</u></b>	<b><u>G05B 23 /-</u></b>		2021101189 2021101316 2021101317 2021101320
<b><u>E21B 6 /-</u></b>	<b><u>F25B 9 /-</u></b>	2021101296	2021100745 2021101260	<b><u>G06K 9 /-</u></b>	
2021101085	2021101193	<b><u>G01R 21 /-</u></b>		2021100669 2021100714 2021101121 2021101135 2021101172 2021101197 2021101210 2021101243 2021101257 2021101258 2021101273 2021101278 2021101300	<b><u>G06Q 50 /-</u></b>
<b><u>E21B 7 /-</u></b>	<b><u>F42D 3 /-</u></b>	2021101259	<b><u>G05D 1 /-</u></b>		2021100006 2021100671 2021101120 2021101148 2021101174 2021101175 2021101194 2021101201 2021101206 2021101208 2021101228 2021101256 2021101291 2021101320 2021101323
2021101085	2021101191	<b><u>G01R 22 /-</u></b>	2021101252		
<b><u>E21C 39 /-</u></b>	<b><u>G01B 21 /-</u></b>	2021101259	<b><u>G05D 9 /-</u></b>		
2021101262	2021101014	<b><u>G01R 31 /-</u></b>	2021101263		
<b><u>E21D 11 /-</u></b>	<b><u>G01D 3 /-</u></b>	2021101296 2021101318	<b><u>G05G 21 /-</u></b>		
2021101229	2021101171	<b><u>G01R 33 /-</u></b>	2021101304		
<b><u>E21D 21 /-</u></b>	<b><u>G01D 4 /-</u></b>	2021100714	<b><u>G06F 11 /-</u></b>		
2021101229	2021101259	2021100745	2021100745	<b><u>G06N 20 /-</u></b>	
<b><u>E21D 9 /-</u></b>	<b><u>G01D 5 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G06F 12 /-</u></b>	2020104405 2021100745 2021101128 2021101142 2021101241 2021101256	
2021101191	2021101171	2021101304	2021101128		
<b><u>F01D 15 /-</u></b>					
2021101285					



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<b><u>G06T 1 /-</u></b>	<b><u>G08B 3 /-</u></b>	<b><u>H01H 50 /-</u></b>	<b><u>H02K 41 /-</u></b>	<b><u>H04M 1 /-</u></b>	<b><u>H04W 84 /-</u></b>
2021101243	2021101196	2021101185	2021101240	2021101151	2021100745 2021101149 2021101174 2021101214 2021101249 2021101292
<b><u>G06T 11 /-</u></b>	<b><u>G08B 5 /-</u></b>	<b><u>H01L 31 /-</u></b>	<b><u>H02M 1 /-</u></b>	<b><u>H04N 5 /-</u></b>	
2021101226	2021101151 2021101171	2021101166	2021101187 2021101279	2021100745	
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2021101142	2021101156	2021100869	2021101187 2021101279	2021101131	2021100745 2021101149
<b><u>G06T 17 /-</u></b>	<b><u>G10K 11 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H02M 7 /-</u></b>	<b><u>H04R 1 /-</u></b>	<b><u>H05K 7 /-</u></b>
2021101142	2021100869	2021101290	2021101187	2021100005 2021100869 2021101006 2021101324	2021101290
<b><u>G06T 19 /-</u></b>	<b><u>G10L 13 /-</u></b>	<b><u>H01M 4 /-</u></b>	<b><u>H02N 2 /-</u></b>	<b><u>H04R 17 /-</u></b>	<b><u>No IPC Mark</u></b>
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<b><u>G06T 3 /-</u></b>	<b><u>G10L 15 /-</u></b>	<b><u>H01M 50 /-</u></b>	<b><u>H02P 11 /-</u></b>	<b><u>H04R 25 /-</u></b>	
2021101306	2021101147	2021101290	2021101184	2021101324	
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2021101306	2021100638	2021101248	2021101185	2021100005	
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	<b><u>G16H 15 /-</u></b>	<b><u>H01Q 9 /-</u></b>	<b><u>H02S 20 /-</u></b>	<b><u>H04R 3 /-</u></b>	
	2021100671	2021101248	2021101265	2021101006	
	<b><u>G16H 30 /-</u></b>	<b><u>H02H 1 /-</u></b>	<b><u>H02S 40 /-</u></b>	<b><u>H04W 24 /-</u></b>	
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<b><u>G07C 9 /-</u></b>	<b><u>G16Y 10 /-</u></b>	<b><u>H02H 5 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04W 40 /-</u></b>	
2021101120	2021101149 2021101174 2021101251 2021101292	2021101318	2020104405 2021101147 2021101149 2021101249 2021101316	2021101249	
<b><u>G08B 1 /-</u></b>	<b><u>G16Y 20 /-</u></b>	<b><u>H02H 7 /-</u></b>	<b><u>H04L 29 /-</u></b>	<b><u>H04W 52 /-</u></b>	
2021100671 2021101242	2021101214	2021101096 2021101318	2021101174 2021101279	2021101249	
<b><u>G08B 13 /-</u></b>	<b><u>G16Y 30 /-</u></b>	<b><u>H02J 1 /-</u></b>	<b><u>H04L 9 /-</u></b>	<b><u>H04W 72 /-</u></b>	
2021100842	2021101292	2021101174 2021101292	2021101131 2021101149 2021101174 2021101214 2021101249 2021101260 2021101292 2021101316	2021101292	
<b><u>G08B 15 /-</u></b>	<b><u>G16Y 40 /-</u></b>	<b><u>H02J 3 /-</u></b>	<b><u>H04L 9 /-</u></b>	<b><u>H04W 74 /-</u></b>	
2021101242	2021101149	2021101174 2021101318	2021101195 2021101231 2021101316 2021101320	2021101249	
<b><u>G08B 21 /-</u></b>	<b><u>H01G 11 /-</u></b>	<b><u>H02J 4 /-</u></b>			
2021100671 2021101121 2021101151 2021101171 2021101323	2021100943	2021101174 2021101318			
<b><u>G08B 25 /-</u></b>	<b><u>H01H 47 /-</u></b>	<b><u>H02J 7 /-</u></b>			
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		<b><u>H02K 37 /-</u></b>			
		2021101304			

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<p>(71) 0903608 B.C. Ltd.                      (11) AU-A-2019348204                      (21) 2019348204 (22) 27.09.2019                      (54) Synergistic pesticidal compositions and methods for delivery of insecticidal active ingredients                      (51) Int. Cl.  <b>A01N 37/06</b> ( 2006.01 )  <b>A01N 43/22</b> ( 2006.01 )  <b>A01N 61/00</b> ( 2006.01 )  <b>A01P 7/00</b> ( 2006.01 )                      (87) WO2020/061709                      (31) 62/737,907 (32) 27.09.18 (33) US                      62/737,914 27.09.18 US                      62/829,010 03.04.19 US                      62/829,512 04.04.19 US                      62/829,525 04.04.19 US                      (43) 02.04.2020                      (72) MANHAS, Karan; ROZEK, Annett; VAN FLEET, Eric                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) 4C Medical Technologies, Inc.                      (11) AU-A-2019337666                      (21) 2019337666 (22) 13.09.2019                      (54) Repositioning wires and methods for repositioning prosthetic heart valve devices within a heart chamber and related systems, devices and methods                      (51) Int. Cl.  <b>A61F 2/82</b> ( 2013.01 )  <b>A61F 2/00</b> ( 2006.01 )  <b>A61F 2/02</b> ( 2006.01 )  <b>A61F 2/06</b> ( 2013.01 )  <b>A61F 2/24</b> ( 2006.01 )                      (87) WO2020/056234                      (31) 62/731,230 (32) 14.09.18 (33) US                      16/568,903 12.09.19 US                      (43) 19.03.2020                      (72) DIEDERING, Jason S.; KUMAR, Saravana B.                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Abbisko Therapeutics Co., Ltd.                      (11) AU-A-2019424628                      (21) 2019424628 (22) 12.09.2019                      (54) 1,2,3,4-tetrahydroquinoxaline derivative, preparation method therefor and application thereof                      (51) Int. Cl.  <b>C07D 241/44</b> ( 2006.01 )  <b>A61K 31/498</b> ( 2006.01 )  <b>A61P 35/00</b> ( 2006.01 )                      (87) WO2020/151232                      (31) 201910064417.7 (32) 23.01.19 (33) CN                      (43) 30.07.2020                      (72) ZHAO, Baowei; XUN, Guoliang; ZHAO, Yuan; FENG, Tao; YU, Hongping; CHEN, Zhui; XU, Yaochang                      (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) 0903608 B.C. Ltd.                      (11) AU-A-2019351589                      (21) 2019351589 (22) 27.09.2019                      (54) Synergistic pesticidal compositions and methods for delivery of active ingredients                      (51) Int. Cl.  <b>A01N 37/06</b> ( 2006.01 )  <b>A01N 37/02</b> ( 2006.01 )  <b>A01N 61/00</b> ( 2006.01 )                      (87) WO2020/061706                      (31) 62/737,907 (32) 27.09.18 (33) US                      62/737,914 27.09.18 US                      62/829,512 04.04.19 US                      62/829,525 04.04.19 US                      (43) 02.04.2020                      (72) MANHAS, Karan; ROZEK, Annett                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Aalborg CSP A/S                      (11) AU-A-2019352659                      (21) 2019352659 (22) 23.09.2019                      (54) Heat exchanger, such as for a solar power plant                      (51) Int. Cl.  <b>F28D 7/08</b> ( 2006.01 )  <b>F22B 1/00</b> ( 2006.01 )  <b>F22B 1/02</b> ( 2006.01 )  <b>F22B 1/16</b> ( 2006.01 )  <b>F22B 29/06</b> ( 2006.01 )  <b>F22B 37/12</b> ( 2006.01 )                      (87) WO2020/069704                      (31) PA 2018 70639 (32) 01.10.18 (33) DK                      PA 2019 70375 17.06.19 DK                      (43) 09.04.2020                      (72) THOMSEN, Peter; CHRISTENSEN, Ivan Bo; PELLE, Jens Taggart; SØRENSEN, Keld; JENSEN, Peter Badstue; NIELSEN, Per Jørn; BUNDGAARD, Svante                      (74) Griffith Hack</p>	<p>(71) ABB Schweiz AG                      (11) AU-A-2019339591                      (21) 2019339591 (22) 29.08.2019                      (54) Cable conduit with integrated sensors                      (51) Int. Cl.  <b>H02G 3/04</b> ( 2006.01 )  <b>G01K 1/00</b> ( 2006.01 )                      (87) WO2020/052983                      (31) 18193766.5 (32) 11.09.18 (33) EP                      (43) 19.03.2020                      (72) ELSER, Pierre; SCHUSTER, Peter; MARET, Yannick; VELTHUIS, Rudi                      (74) FB Rice Pty Ltd</p>
<p>(71) 4C Medical Technologies, Inc.                      (11) AU-A-2019335206                      (21) 2019335206 (22) 04.09.2019                      (54) Stent loading device</p>	<p>(71) Abalos Therapeutics GmbH                      (11) AU-A-2019340845                      (21) 2019340845 (22) 12.09.2019</p>	<p>(71) Abiomed, Inc.                      (11) AU-A-2019355192</p>

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 (54) Methods and compositions for selection of functional aptamers  
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 (54) Label applicator device  
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 B65C 1/02 ( 2006.01 )  
 B65C 9/18 ( 2006.01 )  
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 (51) Int. Cl.  
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 G06F 3/14 ( 2006.01 )  
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 G09G 3/00 ( 2006.01 )  
 G09G 3/32 ( 2016.01 )  
 H01L 25/10 ( 2006.01 )  
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 C12P 7/40 ( 2006.01 )  
 C12M 1/00 ( 2006.01 )

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 ZIMMERMANN, Tobias Joachim;  
 SCHMIDT, Anna-Corina  
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**(21)** 2019364656 **(22)** 17.10.2019  
**(54)** Pesticidal compounds  
**(51)** Int. Cl.  
**C07D 231/40** ( 2006.01 )  
**A01N 43/48** ( 2006.01 )  
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**A01N 47/34** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
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 Devendra  
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**(54)** Bitter taste masking of peptides  
**(51)** Int. Cl.  
**A23L 27/00** ( 2016.01 )  
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**(21)** 2019369033 **(22)** 21.10.2019  
**(54)** Compositions, comprising silver nano-  
 platelets  
**(51)** Int. Cl.  
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**B42D 25/391** ( 2014.01 )  
**C09D 5/29** ( 2006.01 )  
**C09D 7/40** ( 2018.01 )  
**C09D 11/037** ( 2014.01 )  
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**(54)** Pinch clamp  
**(51)** Int. Cl.  
**A61M 39/28** ( 2006.01 )  
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 methods  
**(51)** Int. Cl.  
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**(54)** Multi-substituted pyridone derivatives  
 and medical use thereof  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 491/04** ( 2006.01 )  
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**(54)** Methods for treating oculopharyngeal  
 muscular dystrophy (OPMD)  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/86** ( 2006.01 )  
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**(54)** Roller shaft with a reinforcement  
**(51)** Int. Cl.  
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**(54)** FGFR4 inhibitor and use thereof  
**(51)** Int. Cl.  
**C07D 487/14** ( 2006.01 )  
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 grains, method and apparatus for ob-  
 taining same  
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 Inc.  
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**(54)** Compositions and methods for treat-  
 ing and preventing amyotrophic lateral  
 sclerosis  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
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 LAENDER, Bruce N.; NEWBOLD, Evan  
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**(21)** 2019351811 **(22)** 30.09.2019  
**(54)** Combination therapy for the treatment  
 of cancer  
**(51)** Int. Cl.  
**A61K 31/5377** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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 62/773,980 30.11.18 US  
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 ron U.S.A. Inc.  
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**(21)** 2019353900 **(22)** 02.10.2019  
**(54)** Hydride donors as an additive for redu-  
 cing low speed pre-ignition events  
**(51)** Int. Cl.  
**C10L 1/14** ( 2006.01 )  
**C10L 10/10** ( 2006.01 )  
**C10L 10/12** ( 2006.01 )  
**C10M 127/04** ( 2006.01 )  
**C10M 129/16** ( 2006.01 )  
**C10M 133/38** ( 2006.01 )  
**C10L 1/16** ( 2006.01 )  
**C10L 1/185** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** China Mobile Communication Co., Ltd  
 Research Institute; China Mobile Com-  
 munications Group Co., Ltd.  
**(11)** AU-A-2019331959  
**(21)** 2019331959 **(22)** 16.07.2019  
**(54)** Method and apparatus for transmitting  
 and receiving indication signaling, net-  
 work side device, and terminal  
**(51)** Int. Cl.  
**H04W 52/02** ( 2009.01 )  
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**(11)** AU-A-2019376347  
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 derground longwall face coal mining un-  
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 ZHANG, Shizhong; LI, Qizhen; LIU,  
 Bang; XIN, Liankai; LIU, Sixiang  
**(74)** Lord & Company
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- (71)** CinDome Pharma, Inc.  
**(11)** AU-A-2019366993  
**(21)** 2019366993 **(22)** 25.10.2019  
**(54)** Formulations containing deuterated  
 domperidone  
**(51)** Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**A61P 1/08** ( 2006.01 )  
**(87)** WO2020/086947  
**(31)** 62/750,491 **(32)** 25.10.18 **(33)** US  
**(43)** 30.04.2020  
**(72)** PATEL, Piyush; PEARCE, Catherine;  
 ISAACSOHN, Jonathan  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** CinDome Pharma, Inc.  
**(11)** AU-A-2019368098  
**(21)** 2019368098 **(22)** 25.10.2019  
**(54)** Formulations containing domperidone  
**(51)** Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61P 1/08** ( 2006.01 )  
**(87)** WO2020/086950  
**(31)** 62/750,480 **(32)** 25.10.18 **(33)** US  
**(43)** 30.04.2020  
**(72)** PATEL, Piyush; PEARCE, Catherine;  
 ISAACSOHN, Jonathan  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** Citrix Systems, Inc.  
**(11)** AU-A-2018446175  
**(21)** 2018446175 **(22)** 22.10.2018  
**(54)** Providing virtual desktop within comput-  
 ing environment  
**(51)** Int. Cl.  
**H04L 12/24** ( 2006.01 )  
**H04L 29/06** ( 2006.01 )  
**(87)** WO2020/082210  
**(43)** 30.04.2020  
**(72)** DING, Debao; ZU, Qianqian  
**(74)** Pizzseys Patent and Trade Mark Attor-  
 neys Pty Ltd
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- (71)** Citrix Systems, Inc.  
**(11)** AU-A-2020327347  
**(21)** 2020327347 **(22)** 15.10.2020  
**(54)** Provisioning virtual machines with a  
 single identity and cache virtual disk  
**(51)** Int. Cl.  
**G06F 3/06** ( 2006.01 )  
**(87)** WO2021/076727  
**(31)** 16/655,465 **(32)** 17.10.19 **(33)** US  
**(43)** 06.05.2021  
**(72)** LU, Yuhua; MACDONALD, Graham;  
 GRAHAM, Simon  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Clextoral  
**(11)** AU-A-2019370718  
**(21)** 2019370718 **(22)** 31.10.2019  
**(54)** Pinching-shaping device, and sys-  
 tem for continuous production of foods  
 products co-extruded in pouch form  
**(51)** Int. Cl.  
**A21C 11/04** ( 2006.01 )  
**(87)** WO2020/089391  
**(31)** 1860134 **(32)** 02.11.18 **(33)** FR  
**(43)** 07.05.2020  
**(72)** ASENSIO, Luis; HUYNH, Jimmy;  
 PROST, Julie  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Cold Spring Harbor Laboratory  
**(11)** AU-A-2019337564  
**(21)** 2019337564 **(22)** 09.09.2019  
**(54)** Methods for treating pancreatitis  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2020/055768  
**(31)** 62/729,354 **(32)** 10.09.18 **(33)** US  
**(43)** 19.03.2020  
**(72)** ENGLE, Dannielle D.; TUVESON, Dav-  
 id A.  
**(74)** FB Rice Pty Ltd
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2018445624  
**(21)** 2018445624 **(22)** 16.10.2018  
**(54)** Oral care compositions and methods  
 for the same  
**(51)** Int. Cl.  
**A61K 8/44** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/081051  
**(43)** 23.04.2020  
**(72)** DONG, Rong; PETROU, Irene; PI-  
 MENTA, Paloma; LAVENDER, Stacey;  
 PILCH, Shira  
**(74)** Shelston IP Pty Ltd.
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2018445788  
**(21)** 2018445788 **(22)** 16.10.2018  
**(54)** Oral care compositions and methods  
 for the same  
**(51)** Int. Cl.

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**A61K 8/21** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61K 8/97** ( 2017.01 )  
**(87)** WO2020/081049  
**(43)** 23.04.2020  
**(72)** DONG, Rong; WANG, Wei; PIMENTA, Paloma; SANTARPIA III, Ralph Peter; PILCH, Shira  
**(74)** Shelston IP Pty Ltd.
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2018446162  
**(21)** 2018446162 **(22)** 16.10.2018  
**(54)** Oral care compositions and methods for the same  
**(51)** Int. Cl.  
**A61Q 11/00** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**(87)** WO2020/081050  
**(43)** 23.04.2020  
**(72)** NORTH, Michael; DONG, Rong; PIMENTA, Paloma; PILCH, Shira  
**(74)** Shelston IP Pty Ltd.
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2018448003  
**(21)** 2018448003 **(22)** 02.11.2018  
**(54)** Oral care compositions comprising N-alkyl-N-acylglucamines  
**(51)** Int. Cl.  
**A61K 8/42** ( 2006.01 )  
**A61K 8/19** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/091805  
**(43)** 07.05.2020  
**(72)** DAS, Aradhana; SHEN, Hongwei; XU, Yun  
**(74)** Shelston IP Pty Ltd.
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2018448254  
**(21)** 2018448254 **(22)** 02.11.2018  
**(54)** Whitening oral care composition based on a cross-linked PVP-H2C2 complex, a peroxysulfate, a hydrophobic base and sodium tripolyphosphate  
**(51)** Int. Cl.  
**A61Q 11/00** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61K 8/23** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61K 8/891** ( 2006.01 )  
**A61K 8/895** ( 2006.01 )  
**(87)** WO2020/091808  
**(43)** 07.05.2020  
**(72)** GALIYARA, Tanaz; CHOPRA, Suman  
**(74)** Shelston IP Pty Ltd.
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2019361879
- (21)** 2019361879 **(22)** 23.09.2019  
**(54)** Electrolysis device  
**(51)** Int. Cl.  
**A61C 19/06** ( 2006.01 )  
**C25B 1/26** ( 2006.01 )  
**C25B 1/30** ( 2006.01 )  
**(87)** WO2020/081191  
**(31)** 62/747,287 **(32)** 18.10.18 **(33)** US  
**(43)** 23.04.2020  
**(72)** HUANG, Chun; PIMENTA, Paloma; XU, Guofeng; KOLB, Matthew Lee  
**(74)** Shelston IP Pty Ltd.
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**(11)** AU-A-2019368177  
**(21)** 2019368177 **(22)** 11.10.2019  
**(54)** Zinc - amino acid - lauryl sulfate complex with antimicrobial activity  
**(51)** Int. Cl.  
**A61K 8/19** ( 2006.01 )  
**A61K 8/27** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/46** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/086298  
**(31)** 62/749,714 **(32)** 24.10.18 **(33)** US  
**(43)** 30.04.2020  
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**(74)** Shelston IP Pty Ltd.
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**(11)** AU-A-2019364556  
**(21)** 2019364556 **(22)** 25.10.2019  
**(54)** Cable sealing module  
**(51)** Int. Cl.  
**H02G 15/04** ( 2006.01 )  
**H01B 11/22** ( 2006.01 )  
**(87)** WO2020/086942  
**(31)** 62/751,269 **(32)** 26.10.18 **(33)** US  
**(43)** 30.04.2020  
**(72)** GEENS, Johan; GOOSSENS, Sandra; VASTMANS, Kristof  
**(74)** Davies Collison Cave Pty Ltd.
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- (71)** Comrod AS  
**(11)** AU-A-2019352538  
**(21)** 2019352538 **(22)** 04.10.2019  
**(54)** Apparatus and method for controlling a quantity of binder resine that follows a thread  
**(51)** Int. Cl.  
**C03C 25/16** ( 2006.01 )  
**B05C 3/12** ( 2006.01 )  
**C03C 25/20** ( 2006.01 )  
**C03C 25/24** ( 2018.01 )  
**(87)** WO2020/071923  
**(31)** 20181287 **(32)** 05.10.18 **(33)** NO  
**(43)** 09.04.2020  
**(72)** KLEIVELAND, Joar; SIE, Erlend  
**(74)** Madderns Pty Ltd.
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- (71)** Consejo Superior de Investigaciones Cientificas (CSIC); Fundación para la Investigación Biomédica del Hospital Universitario Ramón y Cajal  
**(11)** AU-A-2019348548  
**(21)** 2019348548 **(22)** 27.09.2019  
**(54)** Acylhydrazones for the treatment of neurological diseases  
**(51)** Int. Cl.  
**A61K 31/175** ( 2006.01 )  
**A61K 31/341** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07C 245/00** ( 2006.01 )  
**C07D 307/00** ( 2006.01 )  
**C07D 333/00** ( 2006.01 )  
**(87)** WO2020/065119  
**(31)** P201830933 **(32)** 27.09.18 **(33)** ES  
 19382242.6 02.04.19 EP  
**(43)** 02.04.2020  
**(72)** PÉREZ FERNÁNDEZ, Ruth; CANAL MARTÍN, Andrea; SANCHEZ BARRENA, María José; MANSILLA APARICIO, Alicia  
**(74)** Spruson & Ferguson
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- (71)** Cordio Medical Ltd.  
**(11)** AU-A-2019356224  
**(21)** 2019356224 **(22)** 03.10.2019  
**(54)** Estimating lung volume by speech analysis  
**(51)** Int. Cl.  
**A61B 5/06** ( 2006.01 )  
**A61B 5/08** ( 2006.01 )  
**G10L 25/00** ( 2013.01 )  
**(87)** WO2020/075015  
**(31)** 16/157,118 **(32)** 11.10.18 **(33)** US  
**(43)** 16.04.2020  
**(72)** SHALLOM, Ilan D.  
**(74)** FPA Patent Attorneys Pty Ltd.
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- (71)** Cornell University  
**(11)** AU-A-2019351922  
**(21)** 2019351922 **(22)** 02.10.2019  
**(54)** Shelf stable potato product  
**(51)** Int. Cl.  
**A23L 19/10** ( 2016.01 )  
**A23L 5/10** ( 2016.01 )  
**A23L 19/18** ( 2016.01 )  
**(87)** WO2020/072630  
**(31)** 62/740,892 **(32)** 03.10.18 **(33)** US  
**(43)** 09.04.2020  
**(72)** RIZVI, Syed S.H.; SARAN, Vipul Prakash  
**(74)** Shelston IP Pty Ltd.
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- (71)** Corteva Agriscience LLC  
**(11)** AU-A-2019375779  
**(21)** 2019375779 **(22)** 04.11.2019  
**(54)** Compositions comprising pyridine carboxylate herbicides and very long chain fatty acid (VLCFA) synthesis inhibitor herbicides  
**(51)** Int. Cl.  
**A01N 43/40** ( 2006.01 )  
**A01N 37/18** ( 2006.01 )  
**A01N 37/20** ( 2006.01 )



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**A01N 37/26** ( 2006.01 )  
**A01N 39/02** ( 2006.01 )  
**A01N 43/10** ( 2006.01 )  
**A01N 43/56** ( 2006.01 )  
**A01N 43/78** ( 2006.01 )  
**A01N 43/80** ( 2006.01 )  
**A01N 43/82** ( 2006.01 )  
**A01N 47/38** ( 2006.01 )  
**A01N 57/14** ( 2006.01 )  
**A01N 57/16** ( 2006.01 )  
**A01P 13/02** ( 2006.01 )  
**(87)** WO2020/096924  
**(31)** 62/756,795 **(32)** 07.11.18 **(33)** US  
**(43)** 14.05.2020  
**(72)** KISTER, Jeremy; SATCHIVI, Norbert M.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Corteva Agriscience LLC  
**(11)** AU-A-2019377056  
**(21)** 2019377056 **(22)** 04.11.2019  
**(54)** Compositions comprising pyridine carboxylate herbicides with acetolactate synthase (ALS) inhibitor herbicides  
**(51)** Int. Cl.  
**A01N 43/40** ( 2006.01 )  
**A01N 39/04** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 43/90** ( 2006.01 )  
**A01N 47/36** ( 2006.01 )  
**A01N 47/38** ( 2006.01 )  
**A01P 13/02** ( 2006.01 )  
**(87)** WO2020/096925  
**(31)** 62/756,745 **(32)** 07.11.18 **(33)** US  
**(43)** 14.05.2020  
**(72)** KISTER, Jeremy; SATCHIVI, Norbert M.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Corteva Agriscience LLC  
**(11)** AU-A-2019403013  
**(21)** 2019403013 **(22)** 13.12.2019  
**(54)** Compositions comprising florpyrauxifen that safen white clover and methods of use thereof  
**(51)** Int. Cl.  
**A01N 39/04** ( 2006.01 )  
**A01N 25/32** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 47/36** ( 2006.01 )  
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**(31)** 62/783,403 **(32)** 21.12.18 **(33)** US  
**(43)** 25.06.2020  
**(72)** LANGSTON, Vernon; MANN, Richard K.; NELSON, Jeff A.; BURCH, Patrick L.; FLYNN, Ernest S.; SLEUGH, Byron B.; BAILEY, Andrew  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Coupang Corp.  
**(11)** AU-A-2020264259  
**(21)** 2020264259 **(22)** 09.09.2020  
**(54)** Computerized systems and methods for providing product recommendations  
**(51)** Int. Cl.  
**G06Q 30/06** ( 2012.01 )
- G06F 16/2457** ( 2019.01 )  
**G06F 16/9535** ( 2019.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 30/02** ( 2012.01 )  
**(87)** WO2021/074709  
**(31)** 62/916,168 **(32)** 16.10.19 **(33)** US  
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**(43)** 06.05.2021  
**(72)** JIANG, Rui; WANG, Dongcheng; OH, Sungmin; WANG, Ting; SHIN, Jaedong  
**(74)** FB Rice Pty Ltd
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- (71)** Coupang Corp.  
**(11)** AU-A-2020264267  
**(21)** 2020264267 **(22)** 21.09.2020  
**(54)** Computer-implemented systems and methods for manipulating an electronic document  
**(51)** Int. Cl.  
**G06Q 10/08** ( 2012.01 )  
**(87)** WO2021/074715  
**(31)** 16/656,631 **(32)** 18.10.19 **(33)** US  
**(43)** 06.05.2021  
**(72)** LIM, Byoung In; LEE, Jin Su; KIM, Seon Ah; MUN, Jun Young; AHN, Suk Min  
**(74)** FB Rice Pty Ltd
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- (71)** Cristaldi, T.  
**(11)** AU-A-2019367623  
**(21)** 2019367623 **(22)** 22.10.2019  
**(54)** Sartorial and/or industrial design and method for manufacturing said sartorial and/or industrial design  
**(51)** Int. Cl.  
**A41H 3/00** ( 2006.01 )  
**(87)** WO2020/084486  
**(31)** 10201800009722 **(32)** 23.10.18 **(33)** IT  
**(43)** 30.04.2020  
**(72)** CRISTALDI, Teresa  
**(74)** Spruson & Ferguson
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- (71)** CrystalGenomics, Inc.  
**(11)** AU-A-2019369913  
**(21)** 2019369913 **(22)** 28.10.2019  
**(54)** Pharmaceutical composition containing alkyl carbamoyl naphthalenyloxy octenoyl hydroxyamide phosphate, tartrate or combination thereof, and preparation method therefor  
**(51)** Int. Cl.  
**A61K 31/165** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 10-2018-0129576 **(32)** 29.10.18 **(33)** KR  
**(43)** 07.05.2020  
**(72)** CHO, Jae Pyoung; CHO, Joong Myung  
**(74)** Spruson & Ferguson
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- (71)** Cylite Pty Ltd  
**(11)** AU-A-2019333923  
**(21)** 2019333923 **(22)** 04.09.2019  
**(54)** Hyperspectral apparatus and method  
**(51)** Int. Cl.  
**G02B 27/09** ( 2006.01 )  
**A61B 3/10** ( 2006.01 )  
**G01J 3/28** ( 2006.01 )
- G01N 21/64** ( 2006.01 )  
**G02B 21/00** ( 2006.01 )  
**(87)** WO2020/047594  
**(31)** 62/727,492 **(32)** 05.09.18 **(33)** US  
**(43)** 12.03.2020  
**(72)** FRISKEN, Steven James  
**(74)** Graham Atkins
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- (71)** DAA IP Pty Ltd  
**(11)** AU-A-2019336271  
**(21)** 2019336271 **(22)** 06.09.2019  
**(54)** An improved container  
**(51)** Int. Cl.  
**A61J 1/03** ( 2006.01 )  
**B65D 5/66** ( 2006.01 )  
**B65D 43/16** ( 2006.01 )  
**(87)** WO2020/047615  
**(31)** 2018903337 **(32)** 07.09.18 **(33)** AU  
**(43)** 12.03.2020  
**(72)** BOYD, Garry  
**(74)** Ahearn Fox
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- (71)** Daikin Industries, Ltd.  
**(11)** AU-A-2019340116  
**(21)** 2019340116 **(22)** 28.08.2019  
**(54)** Address-setting device and air conditioning system  
**(51)** Int. Cl.  
**F24F 11/58** ( 2018.01 )  
**H04Q 9/00** ( 2006.01 )  
**(87)** WO2020/054436  
**(31)** 2018-168871 **(32)** 10.09.18 **(33)** JP  
**(43)** 19.03.2020  
**(72)** DOUMAE, Hiroshi; HIGASHIYAMA, Shin; UEDA, Hiroki  
**(74)** FB Rice Pty Ltd
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- (71)** Dana-Farber Cancer Institute, Inc.  
**(11)** AU-A-2019395255  
**(21)** 2019395255 **(22)** 13.12.2019  
**(54)** Pyrazolopyridine inhibitors of c-Jun-N-terminal kinases and uses thereof  
**(51)** Int. Cl.  
**A61K 31/505** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**C07D 403/02** ( 2006.01 )  
**(87)** WO2020/123925  
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**(43)** 18.06.2020  
**(72)** GRAY, Nathanael S.; ZHANG, Tinghu; LIU, Yao; GAO, Yang  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Danimer Bioplastics, Inc.  
**(11)** AU-A-2019344351  
**(21)** 2019344351 **(22)** 30.05.2019  
**(54)** Biodegradable profile extruded articles  
**(51)** Int. Cl.  
**C08L 67/04** ( 2006.01 )  
**B29C 48/32** ( 2019.01 )  
**C08G 63/06** ( 2006.01 )  
**C08G 63/08** ( 2006.01 )  
**C08G 63/91** ( 2006.01 )  
**(87)** WO2020/060597  
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(11) AU-A-2019339478  
(21) 2019339478 (22) 12.09.2019  
(54) Heater element incorporating primary conductor for use in a high-speed oven  
(51) Int. Cl.  
H05B 3/20 ( 2006.01 )  
H05B 1/02 ( 2006.01 )  
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(43) 19.03.2020  
(72) DE LUCA, Nicholas P.; PERKINS, Andrew; MINARD, James  
(74) FB Rice Pty Ltd
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- (71) DGI Tech (Qing Dao) Co., Limited  
(11) AU-A-2019351502  
(21) 2019351502 (22) 27.09.2019  
(54) Microfluidic chip system and method for preparing liquid drop  
(51) Int. Cl.  
C12M 1/34 ( 2006.01 )  
C12M 1/00 ( 2006.01 )  
(87) WO2020/063864  
(31) 201811151625.2 (32) 29.09.18 (33) CN  
(43) 02.04.2020  
(72) CHEN, Ijane; WU, Tao; JUNKIN, Michael  
(74) Admiral Trademarks & Patents Services
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- (71) Dongguan Amperex Technology Limited  
(11) AU-A-2020294731  
(21) 2020294731 (22) 19.06.2020  
(54) Battery pack and output structure thereof  
(51) Int. Cl.  
H01M 50/284 ( 2021.01 )  
H01M 50/296 ( 2021.01 )  
H01M 50/519 ( 2021.01 )  
H01M 50/569 ( 2021.01 )  
(87) WO2020/253848  
(31) 201920951242.7 (32) 21.06.19 (33) CN  
(43) 24.12.2020  
(72) LIU, Xiaoping; CHEN, Xiaoming; LI, Li  
(74) Admiral Trademarks & Patents Services
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(11) AU-A-2019369157  
(21) 2019369157 (22) 24.10.2019  
(54) Aqueous compositions comprising omega nitrooxy-1-alkanols  
(51) Int. Cl.  
A23K 20/10 ( 2016.01 )  
A23K 50/10 ( 2016.01 )  
(87) WO2020/084082  
(31) 18202514.8 (32) 25.10.18 (33) EP
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(74) Phillips Ormonde Fitzpatrick
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(11) AU-A-2019352521  
(21) 2019352521 (22) 04.10.2019  
(54) Electrolytic reactor and method of operating same  
(51) Int. Cl.  
C25B 15/02 ( 2006.01 )  
F02M 25/12 ( 2006.01 )  
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(43) 09.04.2020  
(72) DHILLON, Bheepinderpreet; SINGH, Gurjant  
(74) Adams Pluck
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- (71) Ecoplanet Environmental LLC  
(11) AU-A-2019351157  
(21) 2019351157 (22) 27.09.2019  
(54) Volatile organic compound formulations having antimicrobial activity  
(51) Int. Cl.  
A61K 31/19 ( 2006.01 )  
A01N 37/02 ( 2006.01 )  
A01N 37/12 ( 2006.01 )  
A01N 63/30 ( 2020.01 )  
A61K 31/22 ( 2006.01 )  
A61K 36/062 ( 2006.01 )  
A61K 47/44 ( 2017.01 )  
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(31) 62/738,541 (32) 28.09.18 (33) US  
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(72) STROBEL, Gary A.; BLATT, Bryan  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(71) Janssen Pharmaceuticals, Inc.  
 (11) AU-A-2019351942  
 (21) 2019351942 (22) 27.09.2019  
 (54) Locking member for an injection device and an injection device trainer  
 (51) Int. Cl.  
     A61M 5/20 ( 2006.01 )



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**G09B 23/28** ( 2006.01 )  
**(87)** WO2020/070606  
**(31)** 1816035.8 **(32)** 01.10.18 **(33)** GB  
**(43)** 09.04.2020  
**(72)** MACH, Hung  
**(74)** Shelston IP Pty Ltd.
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- (71)** Janssen Pharmaceuticals, Inc.  
**(11)** AU-A-2019351943  
**(21)** 2019351943 **(22)** 27.09.2019  
**(54)** Reset connector for an injection device and an injection device trainer  
**(51)** Int. Cl.  
**A61M 5/32** ( 2006.01 )  
**G09B 23/28** ( 2006.01 )  
**(87)** WO2020/070608  
**(31)** 1816034.1 **(32)** 01.10.18 **(33)** GB  
**(43)** 09.04.2020  
**(72)** MACH, Hung  
**(74)** Shelston IP Pty Ltd.
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- (71)** Janssen Pharmaceuticals, Inc.  
**(11)** AU-A-2019353650  
**(21)** 2019353650 **(22)** 27.09.2019  
**(54)** Latch for an injection device and an injection device trainer  
**(51)** Int. Cl.  
**G09B 23/28** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
**A61M 5/315** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
**(87)** WO2020/070607  
**(31)** 1816040.8 **(32)** 01.10.18 **(33)** GB  
**(43)** 09.04.2020  
**(72)** MACH, Hung  
**(74)** Shelston IP Pty Ltd.
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- (71)** Jaxsta Enterprise Pty Ltd  
**(11)** AU-A-2019327667  
**(21)** 2019327667 **(22)** 27.08.2019  
**(54)** Data deduplication and data merging  
**(51)** Int. Cl.  
**G06F 16/215** ( 2019.01 )  
**G06F 16/174** ( 2019.01 )  
**G06F 16/2455** ( 2019.01 )  
**G06F 16/25** ( 2019.01 )  
**G06F 16/483** ( 2019.01 )  
**G06F 16/68** ( 2019.01 )  
**(87)** WO2020/041827  
**(31)** 2018223056 **(32)** 31.08.18 **(33)** AU  
**(43)** 05.03.2020  
**(72)** MORGAN, Philip John Boyd  
**(74)** FB Rice Pty Ltd
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- (71)** Jazz Pharmaceuticals Ireland Limited  
**(11)** AU-A-2019383389  
**(21)** 2019383389 **(22)** 19.11.2019  
**(54)** Alcohol-resistant drug formulations  
**(51)** Int. Cl.  
**A61K 9/28** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**(87)** WO2020/106735  
**(31)** 62/769,380 **(32)** 19.11.18 **(33)** US  
 62/769,382 19.11.18 US
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- (43)** 28.05.2020  
**(72)** ALLPHIN, Clark; WALSH, Edwin  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** JFE Steel Corporation  
**(11)** AU-A-2019369562  
**(21)** 2019369562 **(22)** 21.10.2019  
**(54)** Film for coating metal plate and resin-coated metal plate  
**(51)** Int. Cl.  
**C08J 5/18** ( 2006.01 )  
**B29C 55/04** ( 2006.01 )  
**B29C 55/14** ( 2006.01 )  
**B29C 61/02** ( 2006.01 )  
**B32B 15/08** ( 2006.01 )  
**(87)** WO2020/090552  
**(31)** 2018-204808 **(32)** 31.10.18 **(33)** JP  
**(43)** 07.05.2020  
**(72)** FUJIMOTO, Soichi; OSHIMA, Yasuhide; KOJIMA, Katsumi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Johannes Gutenberg-Universität Mainz; BioNTech RNA Pharmaceuticals GmbH  
**(11)** AU-A-2019353930  
**(21)** 2019353930 **(22)** 30.09.2019  
**(54)** RNA particles comprising polysarcosine  
**(51)** Int. Cl.  
**A61K 47/34** ( 2017.01 )  
**A61K 31/195** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 1/06** ( 2006.01 )  
**C08G 69/10** ( 2006.01 )  
**(87)** WO2020/070040  
**(31)** PCT/EP2018/076633 **(32)** 01.10.18 **(33)** EP  
 PCT/EP2019/069551 19.07.19 EP  
**(43)** 09.04.2020  
**(72)** BARZ, Matthias; WEBER, Benjamin; HAAS, Heinrich; HELLER, Philipp; NOGUEIRA, Sara; SCHLEGEL, Anne  
**(74)** FB Rice Pty Ltd
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- (71)** Kaiser, T.; Wassermann, C.  
**(11)** AU-A-2019353578  
**(21)** 2019353578 **(22)** 06.10.2019  
**(54)** Frame, more particularly in the form of a tripod  
**(51)** Int. Cl.  
**A47C 4/28** ( 2006.01 )  
**(87)** WO2020/069772  
**(31)** 20 2018 004 631.0 **(32)** 06.10.18 **(33)** DE  
**(43)** 09.04.2020  
**(72)** KAISER, Thomas; WASSERMANN, Christian  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Kegspeak, LLC  
**(11)** AU-A-2019347885  
**(21)** 2019347885 **(22)** 01.11.2019  
**(54)** Radio transmitter device for use in method and system for monitoring, controlling and optimizing flow of products  
**(51)** Int. Cl.  
**G01F 15/06** ( 2006.01 )  
**G01F 22/02** ( 2006.01 )
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- G01F 23/18** ( 2006.01 )  
**G01F 23/26** ( 2006.01 )  
**(87)** WO2020/069538  
**(31)** 16/140,525 **(32)** 24.09.18 **(33)** US  
**(43)** 02.04.2020  
**(72)** JONES, Timothy Leonard  
**(74)** WRAYS PTY LTD
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- (71)** Kinetic Pressure Control, Ltd.  
**(11)** AU-A-2019365795  
**(21)** 2019365795 **(22)** 21.10.2019  
**(54)** Pressure control device with safety locking mechanism  
**(51)** Int. Cl.  
**E21B 33/06** ( 2006.01 )  
**(87)** WO2020/086486  
**(31)** 62/751,230 **(32)** 26.10.18 **(33)** US  
**(43)** 30.04.2020  
**(72)** GALLAGHER, Bobby; ANGSTMANN, Steven Anthony; GALLAGHER, Billy  
**(74)** AUSTRALASIA IP PTY LTD
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**(11)** AU-A-2019352379  
**(21)** 2019352379 **(22)** 30.08.2019  
**(54)** Pharmaceutical composition for preventing or treating Fabry disease, containing TSP1 protein inhibitor as active ingredient  
**(51)** Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A23L 33/13** ( 2016.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2020/071641  
**(31)** 10-2018-0118430 **(32)** 04.10.18 **(33)** KR  
**(43)** 09.04.2020  
**(72)** HAN, Yong Mahn; DO, Hyo Sang  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Kyoto University; Takeda Pharmaceutical Company Limited  
**(11)** AU-A-2019326179  
**(21)** 2019326179 **(22)** 21.08.2019  
**(54)** Method for producing intestinal tract nerve precursor cell  
**(51)** Int. Cl.  
**C12N 5/0797** ( 2010.01 )  
**C12N 15/09** ( 2006.01 )  
**(87)** WO2020/040166  
**(31)** 2018-155395 **(32)** 22.08.18 **(33)** JP  
**(43)** 27.02.2020  
**(72)** IKEYA, Makoto; TOYOOKA, Yayoi; KAMIYA, Daisuke; YAMASHITA, Teruyoshi; TAKE, Kazumi  
**(74)** Griffith Hack
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- (71)** KYOWA KIRIN CO., LTD.  
**(11)** AU-A-2019349958  
**(21)** 2019349958 **(22)** 27.09.2019  
**(54)** IL-36 antibodies and uses thereof  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )

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**C07K 16/46** ( 2006.01 )  
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**(31)** 62/739,074 **(32)** 28.09.18 **(33)** US  
**(43)** 02.04.2020  
**(72)** SACHEN, Kacey Layn; MCKNIGHT, Andrew John; NUGENT, Rachel Soloff; LAUDENSLAGER, John Lorca; DESTITO, Giuseppe; ZAJONC, Dirk Michael; BITRA, Aruna; YAMADA, Takenao  
**(74)** Spruson & Ferguson
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- (71)** Landmoney Holdings Pty Limited; Bowden, M.J.  
**(11)** AU-A-2019335592  
**(21)** 2019335592 **(22)** 03.09.2019  
**(54)** Digital currency and trading system  
**(51)** Int. Cl.  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 40/04** ( 2012.01 )  
**(87)** WO2020/049442  
**(31)** 745971 **(32)** 03.09.18 **(33)** NZ  
**(43)** 12.03.2020  
**(72)** BOWDEN, Maxton James  
**(74)** AJ PARK
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- (71)** Lantern Pharma Inc.  
**(11)** AU-A-2019335222  
**(21)** 2019335222 **(22)** 04.09.2019  
**(54)** Illudin analogs, uses thereof, and methods for synthesizing the same  
**(51)** Int. Cl.  
**A61K 31/122** ( 2006.01 )  
**C07C 35/37** ( 2006.01 )  
**C07C 49/727** ( 2006.01 )  
**C07C 49/755** ( 2006.01 )  
**(87)** WO2020/051222  
**(31)** 62/726,914 **(32)** 04.09.18 **(33)** US  
**(43)** 12.03.2020  
**(72)** TOBIN, Gregory J.; BLUMBERG, Shawn T.; MALAKHOV, Andrey D.; ARCHER, Varsin A.  
**(74)** Cotters Patent & Trade Mark Attorneys
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- (71)** Lazer Safe Pty Ltd  
**(11)** AU-A-2019363542  
**(21)** 2019363542 **(22)** 22.10.2019  
**(54)** Wireless monitoring/control  
**(51)** Int. Cl.  
**G08C 17/02** ( 2006.01 )  
**G01S 11/16** ( 2006.01 )  
**(87)** WO2020/082120  
**(31)** 2018904006 **(32)** 22.10.18 **(33)** AU  
**(43)** 30.04.2020  
**(72)** APPELYARD, Robert Meredith; GOULD, Paul Andrew; COSTLEY, Ian; WOOLDRIDGE, Luke Zbigniew  
**(74)** Griffith Hack
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- (71)** Lee, E.  
**(11)** AU-A-2019379870  
**(21)** 2019379870 **(22)** 31.10.2019  
**(54)** A universal cover for use with child and baby carriers  
**(51)** Int. Cl.
- B62B 9/14** ( 2006.01 )  
**A41D 1/21** ( 2018.01 )  
**(87)** WO2020/097670  
**(31)** 2018904299 **(32)** 12.11.18 **(33)** AU  
**(43)** 22.05.2020  
**(72)** LEE, Elena  
**(74)** Spruson & Ferguson
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- (71)** LEONI Kabel GmbH  
**(11)** AU-A-2019367201  
**(21)** 2019367201 **(22)** 24.10.2019  
**(54)** Bio-based artificial leather  
**(51)** Int. Cl.  
**B32B 5/20** ( 2006.01 )  
**B32B 5/24** ( 2006.01 )  
**B32B 25/04** ( 2006.01 )  
**B32B 25/16** ( 2006.01 )  
**B32B 37/00** ( 2006.01 )  
**D06N 3/00** ( 2006.01 )  
**(87)** WO2020/084029  
**(31)** 10 2018 126 646.4 **(32)** 25.10.18 **(33)** DE  
**(43)** 30.04.2020  
**(72)** PROBST, Michel; EGGERT, Melanie; GUENTHARD, Conrad  
**(74)** Spruson & Ferguson
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- (71)** Lexmark International, Inc.  
**(11)** AU-A-2019364197  
**(21)** 2019364197 **(22)** 01.10.2019  
**(54)** Toner cartridge electrical contacts  
**(51)** Int. Cl.  
**G03G 21/18** ( 2006.01 )  
**G03G 15/00** ( 2006.01 )  
**(87)** WO2020/086223  
**(31)** 16/170,564 **(32)** 25.10.18 **(33)** US  
**(43)** 30.04.2020  
**(72)** AMANN, Mark William; BOETTCHER, Brian Lester; CARTER II, James Anthony; DEVORE, Benjamin Charles; GETTELFINGER, Darin Michael  
**(74)** WRAYS PTY LTD
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- (71)** LG Chem, Ltd.  
**(11)** AU-A-2020246793  
**(21)** 2020246793 **(22)** 27.02.2020  
**(54)** Battery module, battery rack comprising same and power storage device  
**(51)** Int. Cl.  
**H01M 10/613** ( 2014.01 )  
**A62C 2/06** ( 2006.01 )  
**A62C 3/16** ( 2006.01 )  
**H01M 10/627** ( 2014.01 )  
**H01M 10/6561** ( 2014.01 )  
**H01M 10/6566** ( 2014.01 )  
**(87)** WO2020/197111  
**(31)** 10-2019-0033749 **(32)** 25.03.19 **(33)** KR  
**(43)** 01.10.2020  
**(72)** MIN, Kyoung-Choon  
**(74)** FB Rice Pty Ltd
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2019327288  
**(21)** 2019327288 **(22)** 30.08.2019  
**(54)** Washing machine and washing machine control method  
**(51)** Int. Cl.  
**D06F 37/30** ( 2020.01 )
- D06F 33/30** ( 2020.01 )  
**D06F 37/06** ( 2006.01 )  
**(87)** WO2020/046076  
**(31)** 10-2018-0103080 **(32)** 30.08.18 **(33)** KR  
 10-2019-0101924 20.08.19 KR  
**(43)** 05.03.2020  
**(72)** IM, Myunghun; JUNG, Hwanjin; KIM, Sunggyun; KIM, Jaehyun; WOO, Kyungchul  
**(74)** FB Rice Pty Ltd
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2019329626  
**(21)** 2019329626 **(22)** 21.08.2019  
**(54)** Washing machine and method for controlling washing machine  
**(51)** Int. Cl.  
**D06F 37/06** ( 2006.01 )  
**D06F 37/22** ( 2006.01 )  
**D06F 37/26** ( 2006.01 )  
**D06F 37/30** ( 2020.01 )  
**(87)** WO2020/045888  
**(31)** 10-2018-0103079 **(32)** 30.08.18 **(33)** KR  
 10-2019-0001970 07.01.19 KR  
**(43)** 05.03.2020  
**(72)** KIM, Jaehyun; KIM, Sunggyun; IM, Myunghun; KIM, Kayeon; LEE, Junghoon; JUNG, Hwanjin; WOO, Kyungchul  
**(74)** FB Rice Pty Ltd
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2019331351  
**(21)** 2019331351 **(22)** 30.08.2019  
**(54)** Washing machine and method for controlling washing machine  
**(51)** Int. Cl.  
**D06F 37/30** ( 2020.01 )  
**D06F 33/30** ( 2020.01 )  
**D06F 37/06** ( 2006.01 )  
**(87)** WO2020/046077  
**(31)** 10-2018-0103080 **(32)** 30.08.18 **(33)** KR  
 10-2019-0101925 20.08.19 KR  
**(43)** 05.03.2020  
**(72)** IM, Myunghun; JUNG, Hwanjin; KIM, Sunggyun; KIM, Jaehyun; WOO, Kyungchul  
**(74)** FB Rice Pty Ltd
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2019332488  
**(21)** 2019332488 **(22)** 21.08.2019  
**(54)** Washing machine  
**(51)** Int. Cl.  
**D06F 37/06** ( 2006.01 )  
**D06F 37/22** ( 2006.01 )  
**D06F 37/42** ( 2006.01 )  
**(87)** WO2020/045887  
**(31)** 10-2018-0103078 **(32)** 30.08.18 **(33)** KR  
 10-2019-0001970 07.01.19 KR  
**(43)** 05.03.2020  
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**(11)** AU-A-2019358450

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 (51) Int. Cl.  
 A61F 2/30 ( 2006.01 )  
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 (31) 102018000009413 (32) 12.10.18 (33) IT (43) 16.04.2020  
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 (74) MINTER ELLISON
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- (71) Lindgren, P.  
 (11) AU-A-2019355082  
 (21) 2019355082 (22) 04.10.2019  
 (54) Aquaculture net cleaning system  
 (51) Int. Cl.  
 B08B 7/02 ( 2006.01 )  
 A01K 75/00 ( 2006.01 )  
 B63H 1/20 ( 2006.01 )  
 (87) WO2020/072936  
 (31) 16/151,369 (32) 04.10.18 (33) US (43) 09.04.2020  
 (72) LINDGREN, Peter B.  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2019340331  
 (21) 2019340331 (22) 09.09.2019  
 (54) Hierarchical model for detecting benign and malignant degree of skin tumors and application thereof  
 (51) Int. Cl.  
 C12Q 1/6888 ( 2018.01 )  
 C12Q 1/6886 ( 2018.01 )  
 (87) WO2020/052520  
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 (21) 2019369224 (22) 28.10.2019  
 (54) Hair cleansing and conditioning composition  
 (51) Int. Cl.  
 A61Q 5/12 ( 2006.01 )  
 A61K 8/34 ( 2006.01 )  
 A61K 8/37 ( 2006.01 )  
 A61K 8/41 ( 2006.01 )  
 A61K 8/42 ( 2006.01 )  
 A61Q 5/02 ( 2006.01 )  
 C11D 1/835 ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick
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- (71) LR-Shipdesign AG  
 (11) AU-A-2019334419  
 (21) 2019334419 (22) 02.09.2019
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- (54) Ship hull having a raised portion in the region of an underside of the ship hull  
 (51) Int. Cl.  
 B63B 1/08 ( 2006.01 )  
 B63B 1/04 ( 2006.01 )  
 B63H 5/16 ( 2006.01 )  
 B63H 5/08 ( 2006.01 )  
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 (74) Griffith Hack
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 (11) AU-A-2019353002  
 (21) 2019353002 (22) 02.10.2019  
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 (51) Int. Cl.  
 A61K 31/7042 ( 2006.01 )  
 A61K 31/7048 ( 2006.01 )  
 A61P 31/04 ( 2006.01 )  
 (87) WO2020/072598  
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 (74) Spruson & Ferguson
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- (71) Lyondell Chemical Technology, L.P.; VP Racing Fuels, Inc.  
 (11) AU-A-2019418725  
 (21) 2019418725 (22) 27.09.2019  
 (54) Aviation gasoline compositions  
 (51) Int. Cl.  
 C10L 1/02 ( 2006.01 )  
 (87) WO2020/142116  
 (31) 62/839,389 (32) 26.04.19 (33) US (43) 09.07.2020  
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 (74) Madderns Pty Ltd
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 (11) AU-A-2019369175  
 (21) 2019369175 (22) 11.10.2019  
 (54) Method for handling material in a material conveying system, a separating device arrangement and a material conveying system  
 (51) Int. Cl.  
 B65F 5/00 ( 2006.01 )  
 B01D 45/00 ( 2006.01 )  
 B01D 46/00 ( 2006.01 )  
 B04C 11/00 ( 2006.01 )  
 B65F 1/10 ( 2006.01 )  
 B65G 43/00 ( 2006.01 )  
 B65G 53/34 ( 2006.01 )  
 (87) WO2020/084190  
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 (72) SUNDHOLM, Göran  
 (74) FPA Patent Attorneys Pty Ltd
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 (54) A universal fit inspection plug system  
 (51) Int. Cl.  
 G01D 11/24 ( 2006.01 )  
 G01D 11/30 ( 2006.01 )  
 G01L 1/14 ( 2006.01 )  
 G01L 9/00 ( 2006.01 )  
 (87) WO2020/073096  
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 (72) MASON, Jay; GODDARD, Michael  
 (74) Patentec Patent Attorneys
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 (11) AU-A-2019361900  
 (21) 2019361900 (22) 11.10.2019  
 (54) Card-payment-system back-up processing for failed real-time payment system transaction  
 (51) Int. Cl.  
 G06Q 20/34 ( 2012.01 )  
 G06Q 20/14 ( 2012.01 )  
 G06Q 20/40 ( 2012.01 )  
 (87) WO2020/081380  
 (31) 62/747,422 (32) 18.10.18 (33) US (43) 23.04.2020  
 (72) SINGH, Irina; MALHOTRA, Sandeep; SUBRAMANIAM, Shanthan  
 (74) Davies Collison Cave Pty Ltd
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 (21) 2019352645 (22) 03.10.2019  
 (54) Account recommendation based on server-side, persistent device identification  
 (51) Int. Cl.  
 H04L 9/32 ( 2006.01 )  
 G06F 16/954 ( 2019.01 )  
 H04L 12/16 ( 2006.01 )  
 (87) WO2020/069624  
 (31) 62/742,110 (32) 05.10.18 (33) US (43) 09.04.2020  
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 (74) Davies Collison Cave Pty Ltd
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- (71) MATISA Materiel Industriel SA  
 (11) AU-A-2019353974  
 (21) 2019353974 (22) 01.10.2019  
 (54) Method for fixing a rail of a rail track with thermal conditioning of a rail portion, and associated rail machine  
 (51) Int. Cl.  
 E01B 29/17 ( 2006.01 )  
 E01B 31/18 ( 2006.01 )  
 B23K 37/02 ( 2006.01 )  
 C21D 9/04 ( 2006.01 )  
 E01B 29/00 ( 2006.01 )  
 (87) WO2020/070168  
 (31) 1859128 (32) 02.10.18 (33) FR

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(72) SAVOYAT, Marc-Antoine  
(74) FPA Patent Attorneys Pty Ltd
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(11) AU-A-2019338708  
(21) 2019338708 (22) 23.08.2019  
(54) Bone anchor for attaching a suture thread or ligament  
(51) Int. Cl.  
A61B 17/04 (2006.01)  
A61F 2/08 (2006.01)  
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(31) 102018000008480 (32) 11.09.18 (33) IT  
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**C07K 14/54** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
 (87) WO2020/072821  
 (31) 62/740,813 (32) 03.10.18 (33) US  
 62/810,038 25.02.19 US  
 62/848,512 15.05.19 US  
 (43) 09.04.2020  
 (72) BERNETT, Matthew; DESJARLAIS, John R.; VARMA, Rajat; LIU, Ke; HASSANZADEH-KIABI, Nargess; RASHID, Rumana  
 (74) Davies Collison Cave Pty Ltd
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- (71) Yeomans, A.J.  
 (11) AU-A-2019327666  
 (21) 2019327666 (22) 13.08.2019  
 (54) Method of validating a test and apparatus for use in the method  
 (51) Int. Cl.  
**G01N 5/04** ( 2006.01 )  
**G01N 31/12** ( 2006.01 )  
**G01N 33/24** ( 2006.01 )  
 (87) WO2020/041822  
 (31) 2018903203 (32) 30.08.18 (33) AU  
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 (72) YEOMANS, Allan James  
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 (21) 2019330308 (22) 29.07.2019  
 (54) Drill body  
 (51) Int. Cl.  
**E02D 5/46** ( 2006.01 )  
**E21B 17/00** ( 2006.01 )  
 (87) WO2020/042846  
 (31) 201811010914.0 (32) 31.08.18 (33) CN  
 (43) 05.03.2020  
 (72) ZHOU, Zhaodi  
 (74) Franke Hyland Pty Ltd
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- (71) Zimitech, Inc.  
 (11) AU-A-2019352624  
 (21) 2019352624 (22) 02.10.2019  
 (54) Use of substrate importers for the export of oligosaccharides  
 (51) Int. Cl.  
**C12P 19/18** ( 2006.01 )  
**C07K 14/24** ( 2006.01 )  
**C12N 15/67** ( 2006.01 )  
**C12N 15/70** ( 2006.01 )



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- (87) WO2020/072617
  - (31) 62/801,755                      (32) 06.02.19 (33) US  
62/740,049                      02.10.18                      US
  - (43) 09.04.2020
  - (72) CATE, James; CHOMVONG, Kulika;  
KILIAN, Oliver; LIU, Jingjing; LIU,  
Jason; JIN, Yong-Su
  - (74) Shelston IP Pty Ltd.
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- (71) ZTE Corporation
  - (11) AU-A-2018436759
  - (21) 2018436759                      (22) 28.09.2018
  - (54) Tracking area update and paging method for non-terrestrial satellite networks
  - (51) Int. Cl.  
**H04W 68/00** ( 2009.01 )  
**H04W 60/00** ( 2009.01 )
  - (87) WO2020/034333
  - (43) 20.02.2020
  - (72) DOU, Jianwu; ZHANG, Nan; SHI, Xiaojuan; CAO, Wei; HUANG, He; YANG, Li
  - (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) ZTE Corporation
- (11) AU-A-2018437179
- (21) 2018437179                      (22) 28.09.2018
- (54) Random access in wireless communication
- (51) Int. Cl.  
**H04W 72/04** ( 2009.01 )
- (87) WO2020/034337
- (43) 20.02.2020
- (72) YANG, Ling; ZHAO, Yajun; LV, Kaiying
- (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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<b>2018436759</b>	ZTE Corporation	<b>2019335303</b>	Pathotrak, LLC
<b>2018437179</b>	ZTE Corporation	<b>2019335372</b>	Purisys LLC
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<b>2018438636</b>	W. L. Gore & Associates, Inc.	<b>2019335450</b>	Tyligand Bioscience (Shanghai) Limited
<b>2018438719</b>	Fuzhou Yiying Health Technology Co., Ltd.	<b>2019335592</b>	Landmoney Holdings Pty Limited; Bowden, M.J.
<b>2018438788</b>	Active Tools International (HK) Ltd.	<b>2019335968</b>	Otsuka Pharmaceutical Co., Ltd.
<b>2018439076</b>	W. L. Gore & Associates, Inc.	<b>2019336046</b>	B1 Institute of Image Technology, Inc.
<b>2018439776</b>	Predict Consultoria Tecnologia Ltda	<b>2019336143</b>	Warsaw Orthopedic, Inc.
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<b>2018442789</b>	Honda Motor Co., Ltd.; Zhejiang Fenglong Electric Co., Ltd.	<b>2019336337</b>	The Heart Research Institute Ltd
<b>2018443613</b>	GUANGDONG OPPO MOBILE TELECOMMUNICA-TIONS CORP., LTD.	<b>2019336611</b>	Warsaw Orthopedic, Inc.
<b>2018445049</b>	GUANGDONG OPPO MOBILE TELECOMMUNICA-TIONS CORP., LTD.	<b>2019336699</b>	IndividuALLytics, Inc.
<b>2018445624</b>	Colgate-Palmolive Company	<b>2019336894</b>	B1 Institute of Image Technology, Inc.
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<b>2018446009</b>	GUANGDONG OPPO MOBILE TELECOMMUNICA-TIONS CORP., LTD.	<b>2019337118</b>	Bollmann, F.
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<b>2018448003</b>	Colgate-Palmolive Company	<b>2019337564</b>	Cold Spring Harbor Laboratory
<b>2018448254</b>	Colgate-Palmolive Company	<b>2019337610</b>	Ambrex, Inc.
<b>2018453015</b>	Halliburton Energy Services, Inc.	<b>2019337656</b>	Allergan, Inc.
<b>2018453228</b>	GUANGDONG OPPO MOBILE TELECOMMUNICA-TIONS CORP., LTD.	<b>2019337666</b>	4C Medical Technologies, Inc.
<b>2019326179</b>	Kyoto University; Takeda Pharmaceutical Company Limited	<b>2019337730</b>	The University of Adelaide
<b>2019327288</b>	LG Electronics Inc.	<b>2019337785</b>	Car Holding B.V.
<b>2019327552</b>	Board of Regents, The University of Texas System; Soman, G.	<b>2019337805</b>	RAI Strategic Holdings, Inc.
<b>2019327666</b>	Yeomans, A.J.	<b>2019337936</b>	The Yokohama Rubber Co., Ltd.
<b>2019327667</b>	Jaxsta Enterprise Pty Ltd	<b>2019338448</b>	The Children's Medical Center Corporation
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<b>2019330022</b>	Arctic Therapeutics, LLC	<b>2019338473</b>	Affinivax, Inc.
<b>2019330308</b>	Zhou, Z.	<b>2019338708</b>	Medacta International SA
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<b>2019331934</b>	Beijing YuezhiKangtai Biomedicines Co., Ltd.	<b>2019339322</b>	Munters Corporation
<b>2019331959</b>	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	<b>2019339359</b>	The Yokohama Rubber Co., Ltd.
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<b>2019333557</b>	Nicoventures Trading Limited	<b>2019340038</b>	Pulcea Ltd
<b>2019333920</b>	Rubicon Research Pty Ltd; The University of Melbourne	<b>2019340116</b>	Daikin Industries, Ltd.
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<b>2019334555</b>	Renapharma AB	<b>2019340410</b>	Exxonmobil Upstream Research Company
<b>2019334682</b>	InstrAction GmbH	<b>2019340662</b>	Humanigen, Inc.
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<b>2019335006</b>	Takeda Vaccines, Inc.	<b>2019340817</b>	Rittec Umwelttechnik GmbH
<b>2019335065</b>	Milspec Technologies Pty Ltd	<b>2019340845</b>	Abalos Therapeutics GmbH
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<b>2019335206</b>	4C Medical Technologies, Inc.	<b>2019342135</b>	Technology In Ariscale, LLC; Ariscale Inc
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		<b>2019345256</b>	The Regents of the University of Colorado, A Body Corporate

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2019350536	Pierre Fabre Medicament	2019355574	Sloan-Kettering Institute for Cancer Research; Tri-Insti- tutional Therapeutics Discovery Institute, Inc.
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2019351502	DGI Tech (Qing Dao) Co., Limited	2019355875	Seagen Inc.
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2019351811	Celgene Corporation	2019356224	Cordio Medical Ltd.
2019351815	The Trustees of the University of Pennsylvania	2019356257	Saipem S.p.A.
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2019351943	Janssen Pharmaceuticals, Inc.	2019356918	Gaming Partners International USA, Inc.
2019352017	Staten Biotechnology B.V.	2019356932	Fracta
2019352379	Korea Advanced Institute of Science and Technology	2019356975	National University of Ireland, Galway
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2019353974	MATISA Materiel Industriel SA	2019361273	F. Hoffmann-La Roche AG
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2019368625	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2020264267	Coupang Corp.
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<b><u>A01N 25 /-</u></b>	2019358200	2019364985	<b><u>A61B 34 /-</u></b>	2019335203	2019352938
2019340038	<b><u>A21C 11 /-</u></b>	<b><u>A23L 33 /-</u></b>	2018438331	2019335222	2019354965
2019358200	2019370718	2019337405	2019333923	2019335409	2019355433
2019403013	<b><u>A23C 11 /-</u></b>	2019340853	<b><u>A61B 34 /-</u></b>	2019335450	2019355971
<b><u>A01N 37 /-</u></b>	2019386569	2019345982	2019337348	2019335968	2019356916
2019348204	<b><u>A23C 9 /-</u></b>	2019352379	2019344929	2019337348	2019381329
2019351157	2020287252	2019352938	2019346655	2019344929	<b><u>A61K 39 /-</u></b>
2019351589	<b><u>A23D 9 /-</u></b>	2019364985	2019348120	2019346655	2019335006
2019375779	2019337405	<b><u>A23L 5 /-</u></b>	2019348548	2019348120	2019337564
<b><u>A01N 39 /-</u></b>	<b><u>A23F 3 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A61B 5 /-</u></b>	2019348752	2019337656
2019375779	2019361821	201933557	2019333116	2019349124	2019338448
2019377056	<b><u>A23G 1 /-</u></b>	2019333557	2019338948	2019351157	2019338473
2019403013	<b><u>A23J 1 /-</u></b>	2019337805	2019342755	2019351811	2019340662
<b><u>A01N 43 /-</u></b>	<b><u>A23G 1 /-</u></b>	<b><u>A41D 1 /-</u></b>	2019354867	2019352379	2019342755
2019348204	2019348807	2019379870	2019354965	2019352741	2019345053
2019360389	<b><u>A23J 1 /-</u></b>	<b><u>A41D 13 /-</u></b>	2019356224	2019352938	2019354391
2019364656	2019345982	2019338334	<b><u>A61B 90 /-</u></b>	2019353002	2019354965
2019375779	2019355554	<b><u>A41H 3 /-</u></b>	2019353424	2019353424	2019355062
2019377056	2019449032	2019367623	2019353930	2019353930	2020339478
2019391650	<b><u>A23J 3 /-</u></b>	<b><u>A44C 9 /-</u></b>	2019355004	2019354965	<b><u>A61K 45 /-</u></b>
2019403013	2019345982	2019388785	2019355433	2019355004	2019337610
<b><u>A01N 47 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A47C 4 /-</u></b>	201935574	201935574	2019344929
2019364656	2018445887	2019353578	2019355875	2019355875	2019348548
2019375779	2018447678		2019357592	2019357592	2019352379
2019377056	2019355554		2019358200	2019358200	
2019403013	2019396727		2019358394	2019358394	
<b><u>A01N 57 /-</u></b>			2019359398	2019359398	<b><u>A61K 47 /-</u></b>
2019375779			2019361273	2019361273	2019334555
			2019361856	2019361856	2019337348
			2019362061	2019362061	2019338473
			2019366993	2019366993	2019339519
			2019367475	2019367475	2019350536
			2019368098	2019368098	2019351157
			2019368654	2019368654	2019351294
			2019369913	2019369913	2019353930
			2019373059	2019373059	2019355875
			2019379109	2019379109	2019356916
			2019383389	2019383389	2019363153
			2019395255	2019395255	2019367475
			2019424628	2019424628	2019373769
			2020287252	2020287252	2019397062
			<b><u>A61K 33 /-</u></b>		
			2019334555		

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<b><u>A61K 48 /-</u></b>	<b><u>A61M 5 /-</u></b>	2019348752 2019349124 2019356916	<b><u>A61Q 5 /-</u></b>	<b><u>B01F 17 /-</u></b>	<b><u>B21D 19 /-</u></b>
2019346655	2019351942		2019369224	2019344294	2019351126
2019351815	2019351943				
2019353930	2019352873	<b><u>A61P 3 /-</u></b>	<b><u>A62C 2 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B21D 41 /-</u></b>
2019362925	2019352875	2019352017	2020246793	2019336337	2019351126
	2019353650	2019367475		2019352620	
<b><u>A61K 49 /-</u></b>	2019354965	2020287252	<b><u>A62C 3 /-</u></b>		<b><u>B21D 5 /-</u></b>
2019354965	2019359395		2020246793	<b><u>B01J 20 /-</u></b>	2019346637
				2019334682	
<b><u>A61K 8 /-</u></b>	<b><u>A61M 60 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>A63B 21 /-</u></b>	2019373567	<b><u>B21D 7 /-</u></b>
2018445624	2019342744	2019335409	2019340345		2019346637
2018445788		2019353002		<b><u>B01L 3 /-</u></b>	2019351126
2018446162	<b><u>A61N 1 /-</u></b>	<b><u>A61P 33 /-</u></b>	<b><u>A63B 24 /-</u></b>	2019337088	
2018448003	2019333201	2019358200	2019333116		<b><u>B22F 1 /-</u></b>
2018448254	2019338468			<b><u>B01L 7 /-</u></b>	2019369033
2019337405		<b><u>A61P 35 /-</u></b>	<b><u>A63B 69 /-</u></b>	2019343307	<b><u>B22F 9 /-</u></b>
2019368177	<b><u>A61P 1 /-</u></b>	2019331934	2019333116		2019369033
2019369224	2019349124	2019335450		<b><u>B02C 18 /-</u></b>	
	2019356916	2019340662	<b><u>A63F 11 /-</u></b>	2019352910	<b><u>B23K 37 /-</u></b>
<b><u>A61K 9 /-</u></b>	2019366993	2019348120	2019356918		2019353974
2019334555	2019368098	2019348752		<b><u>B02C 7 /-</u></b>	
2019337348	2019381329	2019350536	<b><u>A63F 13 /-</u></b>	2019352910	<b><u>B24B 7 /-</u></b>
2019339519		2019354391	2019365023		2019382657
2019352741	<b><u>A61P 11 /-</u></b>	2019354395		<b><u>B04C 11 /-</u></b>	
2019354965	2019348752	2019355875	<b><u>B01D 15 /-</u></b>	2019369175	<b><u>B24D 9 /-</u></b>
2019355021	2019349124	2019363153	2019332764		2019382657
2019356916	2019353424	2019368654	2019344073	<b><u>B05B 15 /-</u></b>	
2019358200	2019381329	2019369913		2019360389	<b><u>B24D 9 /-</u></b>
2019358394		2019379109	<b><u>B01D 21 /-</u></b>		2019382657
2019369913	<b><u>A61P 13 /-</u></b>	2019381329	2018453015	<b><u>B05B 17 /-</u></b>	
2019383389	2019349124	2019397062		2019335301	<b><u>B26D 3 /-</u></b>
	2019381329	2019424628	<b><u>B01D 29 /-</u></b>		2019355946
<b><u>A61L 2 /-</u></b>		2020339478	2019334682	<b><u>B05B 3 /-</u></b>	<b><u>B26D 7 /-</u></b>
2019332764	<b><u>A61P 17 /-</u></b>			2019335301	2019355946
2019356916	2019330022	<b><u>A61P 37 /-</u></b>	<b><u>B01D 35 /-</u></b>		<b><u>B27L 11 /-</u></b>
2019391650	2019352741	2019348752	2019366620	<b><u>B05B 7 /-</u></b>	2019352910
	2019352938	2019349958		2019360389	<b><u>B27M 3 /-</u></b>
<b><u>A61L 27 /-</u></b>		2019355004	<b><u>B01D 45 /-</u></b>		2019375541
2019367508	<b><u>A61P 19 /-</u></b>		2019369175	<b><u>B05C 3 /-</u></b>	
	2019356916	<b><u>A61P 43 /-</u></b>		2019352538	<b><u>B29C 48 /-</u></b>
<b><u>A61M 1 /-</u></b>		2019348548	<b><u>B01D 46 /-</u></b>		2019344351
2019445053	<b><u>A61P 21 /-</u></b>	2019352379	2019369175	<b><u>B05D 1 /-</u></b>	<b><u>B29C 55 /-</u></b>
	2019337656	2019353424		2019355035	2019369562
<b><u>A61M 16 /-</u></b>	2019361273	2019367475	<b><u>B01D 53 /-</u></b>		<b><u>B29C 61 /-</u></b>
2019375540	2019362925		2019359997	<b><u>B05D 3 /-</u></b>	2019369562
2019377267		<b><u>A61P 7 /-</u></b>	2019381947	2019375541	
2020323962	<b><u>A61P 25 /-</u></b>	2019334555			<b><u>B29C 15 /-</u></b>
	20193348548	2019335968	<b><u>B01D 61 /-</u></b>	<b><u>B08B 15 /-</u></b>	2019369562
<b><u>A61M 25 /-</u></b>	2019348548	2019342755	2019335303	2019382770	
2018438636	2019353424				<b><u>B32B 15 /-</u></b>
2018439076	2019354965	<b><u>A61P 9 /-</u></b>	<b><u>B01D 63 /-</u></b>	<b><u>B08B 7 /-</u></b>	2019369562
2019337785	2019358394	2019349124	2019335303	2019355082	<b><u>B32B 21 /-</u></b>
2019357403	2019361856	2019367475	2019359997		2019375541
	2019396522	2019381329		<b><u>B09C 1 /-</u></b>	
<b><u>A61M 31 /-</u></b>	<b><u>A61P 27 /-</u></b>	<b><u>A61Q 11 /-</u></b>	<b><u>B01D 71 /-</u></b>	2019460845	<b><u>B32B 25 /-</u></b>
2019337348	2019344073	2018445624	2019358074		2019367201
	2019358200	2018445788			
<b><u>A61M 39 /-</u></b>	2019373059	2018446162			
2019352873	2020339478	2018448003			
2019355791		2018448254			
2019377267	<b><u>A61P 29 /-</u></b>	2019368177			
	2019348534				

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<b>B32B 27 /-</b>	<b>B60Q 1 /-</b>	<b>B65F 1 /-</b>	<b>C07C 35 /-</b>	2019368654 2019379109	<b>C07K 19 /-</b>
2019354591	2019348095	2019336331 2019369175	2019335222	<b>C07D 471 /-</b>	2019354395
<b>B32B 29 /-</b>	<b>B60R 13 /-</b>	<b>B65F 5 /-</b>	<b>C07C 37 /-</b>	2019348120 2019373059	<b>C07K 5 /-</b>
2019334759	2019363222	2019369175	2019335372	<b>C07D 487 /-</b>	2019354291
<b>B32B 3 /-</b>	<b>B60R 9 /-</b>	<b>B65G 43 /-</b>	<b>C07C 39 /-</b>	2019348120 2019348752 2019363153	<b>C08F 2 /-</b>
2019334759	2019363544 2019370616	2019369175	2019335372	<b>C07D 491 /-</b>	2019336337
<b>B32B 37 /-</b>	<b>B62B 3 /-</b>	<b>B65G 53 /-</b>	<b>C07C 49 /-</b>	2019335222	<b>C08G 63 /-</b>
2019354591 2019367201 2019375541	2019332074	2019369175 2019382674	2019357592	<b>C07D 211 /-</b>	2019344351
<b>B32B 5 /-</b>	<b>B62B 9 /-</b>	<b>B67D 7 /-</b>	<b>C07D 221 /-</b>	2019379109	<b>C08G 69 /-</b>
2019334759 2019367201 2019383334	2019379870	2019339918	2019361274 2019364656	<b>C07D 231 /-</b>	2019353930
<b>B32B 7 /-</b>	<b>B63B 1 /-</b>	<b>B82B 3 /-</b>	<b>C07D 241 /-</b>	2019335968	<b>C08G 83 /-</b>
2019334759 2019383334	2019334419	2019336337	2019424628	<b>C07D 513 /-</b>	2018438788
<b>B41J 11 /-</b>	<b>B63C 11 /-</b>	<b>B82Y 40 /-</b>	<b>C07D 263 /-</b>	2019335968	<b>C08J 11 /-</b>
2019339427	2019416768	2019336337	2019358074	<b>C07D 519 /-</b>	2019340817
<b>B41J 3 /-</b>	<b>B63H 1 /-</b>	<b>C02F 1 /-</b>	<b>C07D 277 /-</b>	2019348120 2019361273	<b>C08J 5 /-</b>
2019339427	2019355082	2018453015 2019334682 2019335301 2019373567	2019346158	<b>C07H 13 /-</b>	2019369562
<b>B41M 3 /-</b>	<b>B63H 5 /-</b>	<b>C02F 101 /-</b>	<b>C07D 277 /-</b>	2019364656	<b>C08K 3 /-</b>
2019369033	2019334419	2019334682 2019373567	2019348548	<b>C07H 17 /-</b>	2019355035
<b>B42D 25 /-</b>	<b>B64C 39 /-</b>	<b>C03C 17 /-</b>	<b>C07D 307 /-</b>	2019335409	<b>C08K 7 /-</b>
2019369033	2019339650	2019358314	2019348548	<b>C07K 1 /-</b>	2018438788
<b>B44C 5 /-</b>	<b>B64D 27 /-</b>	<b>C03C 25 /-</b>	<b>C07D 333 /-</b>	2019353930	<b>C08L 101 /-</b>
2019334759	2019339427	2019352538	2019338473 2019340845 2019346655 2019348534 2019351294 2019352624 2019354391 2019355036 2019355062 2019355433 2019355579 2019355971 2019373769 2020212955	<b>C07K 14 /-</b>	2018438788
<b>B60C 11 /-</b>	<b>B65C 1 /-</b>	<b>C03C 17 /-</b>	<b>C07D 333 /-</b>	2019338473 2019340845 2019346655 2019348534 2019351294 2019352624 2019354391 2019355036 2019355062 2019355433 2019355579 2019355971 2019373769 2020212955	<b>C08L 67 /-</b>
2019337169 2019337936 2019339359	2019339650	2019358314	2019348548	2019338473 2019340845 2019346655 2019348534 2019351294 2019352624 2019354391 2019355036 2019355062 2019355433 2019355579 2019355971 2019373769 2020212955	2019340817 2019344351
<b>B60C 13 /-</b>	<b>B65C 9 /-</b>	<b>C03C 25 /-</b>	<b>C07D 401 /-</b>	2019337564 2019340662 2019342755 2019349958 2019351294 2019351811 2019352017 2019354291 2019354391 2019354395 2019373769 2020339478	<b>C08L 7 /-</b>
2019337169 2019337936 2019339359	2019339427	2019352538	2019335450 2019395255	2019337564 2019340662 2019342755 2019349958 2019351294 2019351811 2019352017 2019354291 2019354391 2019354395 2019373769 2020339478	2018438788
<b>B60C 5 /-</b>	<b>B65D 1 /-</b>	<b>C07C 15 /-</b>	<b>C07D 403 /-</b>	<b>C07K 16 /-</b>	<b>C09D 11 /-</b>
2019337169 2019337936 2019339359	2019445053	2019362061	2019335450 2019395255	2019337564 2019340662 2019342755 2019349958 2019351294 2019351811 2019352017 2019354291 2019354391 2019354395 2019373769 2020339478	2019369033
<b>B60J 7 /-</b>	<b>B65D 21 /-</b>	<b>C07C 211 /-</b>	<b>C07D 405 /-</b>	<b>C09D 201 /-</b>	2019355035
2019370616	2019361274	2019348548	2019364656	<b>C09D 5 /-</b>	2019355035 2019369033
<b>B60P 1 /-</b>	<b>B65D 33 /-</b>	<b>C07C 245 /-</b>	<b>C07D 409 /-</b>	<b>C09D 7 /-</b>	<b>C10L 1 /-</b>
2019363222	2019348548	2019348548	2019379109	2019355035 2019369033	2019353900 2019418725
	<b>B65D 43 /-</b>	<b>C07C 271 /-</b>	<b>C07D 413 /-</b>		
	2019336271	2019359398	2019351811		
	<b>B65D 5 /-</b>	<b>C07C 311 /-</b>	<b>C07D 417 /-</b>		
	2019336271	2019362061	2019355574 2019364656		
	<b>B65D 71 /-</b>	<b>C07C 313 /-</b>			
	2019336271	2019358074			
	2019351791				

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<b><u>C10L 10/-</u></b>	2019333324 2019340662 2019356209 2019369137	<b><u>C25B 15/-</u></b>		<b><u>E03B 11/-</u></b>	<b><u>E21B 33/-</u></b>	<b><u>F24C 7/-</u></b>
2019353900		2019352521		2019356706	2019365795	2019396150
<b><u>C10L 5/-</u></b>		<b><u>C25C 3/-</u></b>		<b><u>E03B 3/-</u></b>	<b><u>E21B 41/-</u></b>	<b><u>F24F 11/-</u></b>
2019373467	<b><u>C12N 7/-</u></b>	2019382674 2019382770		2019356706	2019377506 2019388895	2019340116 2019357534
<b><u>C10M 127/-</u></b>	2019344073 2019355036	<b><u>C25C 7/-</u></b>		<b><u>E03B 9/-</u></b>	<b><u>E21B 43/-</u></b>	<b><u>F25D 23/-</u></b>
2019353900	<b><u>C12N 9/-</u></b>	2019382770		2019335301	2019377506	2019366620
<b><u>C10M 129/-</u></b>	2019347517 2019351815 2019354743 2019355177 2019360932	<b><u>C40B 50/-</u></b>		<b><u>E03F 5/-</u></b>	<b><u>E21B 7/-</u></b>	<b><u>F25D 25/-</u></b>
2019353900		2019359771		2020356805	2019388895	2019445053
<b><u>C10M 133/-</u></b>		<b><u>D06F 33/-</u></b>		<b><u>E04B 1/-</u></b>	<b><u>E21C 41/-</u></b>	<b><u>F25D 3/-</u></b>
2019353900	<b><u>C12P 13/-</u></b>	2019327288 2019331351		2019343154 2019356706	2019376347	2019445053
<b><u>C11D 1/-</u></b>	2019362384	<b><u>D06F 37/-</u></b>		<b><u>E04C 3/-</u></b>	<b><u>F01K 25/-</u></b>	<b><u>F28C 1/-</u></b>
2019369224	<b><u>C12P 19/-</u></b>	2019327288 2019329626 2019331351 2019332488		2019354261 2019356706	2019356257	2019339322
<b><u>C11D 11/-</u></b>	2019352624 2019355177	<b><u>D06N 3/-</u></b>		<b><u>E04F 11/-</u></b>	<b><u>F01N 1/-</u></b>	<b><u>F28D 5/-</u></b>
2020226741	<b><u>C12P 7/-</u></b>	2019349981		2019337730	2019337730	2019339322
<b><u>C11D 17/-</u></b>	2019340853 2019362384	<b><u>E01B 1/-</u></b>		<b><u>F01N 13/-</u></b>	<b><u>F28D 7/-</u></b>	
2020226741	<b><u>C12Q 1/-</u></b>	2019367201		2019337730	2019352659	
<b><u>C11D 3/-</u></b>	2019337088 2019340331 2019354743 2019354863 2019359771 2019363806 2019390388 2019402067	<b><u>E01B 29/-</u></b>		<b><u>F02C 7/-</u></b>	<b><u>F41H 5/-</u></b>	
2020226741		2019336941		2019337730	2019383334	
<b><u>C12C 3/-</u></b>		<b><u>E01B 29/-</u></b>		<b><u>F02M 25/-</u></b>	<b><u>G01C 15/-</u></b>	
2019351907		2019353974		2019352521	2019360421	
<b><u>C12C 5/-</u></b>		<b><u>E01B 3/-</u></b>		<b><u>F03G 3/-</u></b>	<b><u>G01C 21/-</u></b>	
2019351907		2019336941		2018439776	2019368545	
<b><u>C12M 1/-</u></b>	<b><u>C12R 1/-</u></b>	<b><u>E01B 31/-</u></b>		<b><u>F03G 7/-</u></b>	<b><u>G01C 25/-</u></b>	
2019351502 2019362384	2019460845	2019353974		2018439776	2019360421	
<b><u>C12N 1/-</u></b>	<b><u>C21D 9/-</u></b>	<b><u>E01B 7/-</u></b>		<b><u>F16B 13/-</u></b>	<b><u>G01C 3/-</u></b>	
2019460845	2019353974	2019336941		2019468312	2019360421	
<b><u>C12N 15/-</u></b>	<b><u>C22B 26/-</u></b>	<b><u>E01C 11/-</u></b>		<b><u>F16B 5/-</u></b>	<b><u>G01D 11/-</u></b>	
2019326179 2019333324 2019344073 2019347517 2019349873 2019351815 2019352624 2019354743 2019355036 2019355177 2019355433 2019358238 2019360932 2019362925 2019396522 2020212955	2019333306	2019343154		2019373574	2019363222	2019356798 2019417141
	<b><u>C22B 9/-</u></b>	<b><u>E01D 19/-</u></b>		<b><u>E06C 1/-</u></b>	<b><u>F21V 23/-</u></b>	
	2020257077	2019343154		2020234999	2019349981 2019380007	<b><u>G01F 15/-</u></b>
	<b><u>C22C 23/-</u></b>	<b><u>E02B 3/-</u></b>		<b><u>E06C 7/-</u></b>		2019347885
	2019333306	2019343154		2020234999	<b><u>F22B 1/-</u></b>	<b><u>G01F 22/-</u></b>
	<b><u>C23C 16/-</u></b>	<b><u>E02D 27/-</u></b>		<b><u>E21B 17/-</u></b>	2019352659	2019347885
	2019358314	2019356706		2019330308	<b><u>F22B 29/-</u></b>	<b><u>G01F 23/-</u></b>
	<b><u>C23F 11/-</u></b>	<b><u>E02D 29/-</u></b>		<b><u>E21B 23/-</u></b>	2019352659	2019347885
	2019354582	2019343154		2019388895	<b><u>F22B 37/-</u></b>	<b><u>G01G 19/-</u></b>
<b><u>C12N 5/-</u></b>	<b><u>C25B 1/-</u></b>	<b><u>E02D 5/-</u></b>		<b><u>E21B 29/-</u></b>	2019352659	2019368545
2019326179	2019361879	2019330308		2019388895		



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<b><u>G01J 3 /-</u></b>	<b><u>G01V 11 /-</u></b>	<b><u>G06Q 30 /-</u></b>	2019355192	<b><u>H02K 1 /-</u></b>	<b><u>H04W 16 /-</u></b>
2019333923	2019340410	2019352948	<b><u>G16H 40 /-</u></b>	2019358211	2019351797
<b><u>G01K 1 /-</u></b>	<b><u>G01V 3 /-</u></b>	2019355815	2019336699	<b><u>H02K 15 /-</u></b>	<b><u>H04W 24 /-</u></b>
2019339591	2019385307	2019358810	2019352875	2019358211	2019342135
<b><u>G01L 1 /-</u></b>	<b><u>G02B 21 /-</u></b>	<b><u>G06Q 40 /-</u></b>	<b><u>G16H 50 /-</u></b>	<b><u>H02K 3 /-</u></b>	<b><u>H04W 28 /-</u></b>
2019356798	2019333923	2019335592	2019336699	2019358211	2018446009
<b><u>G01L 9 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06Q 50 /-</u></b>	<b><u>H01B 11 /-</u></b>	<b><u>H02K 53 /-</u></b>	<b><u>H04W 36 /-</u></b>
2019356798	2019333923	2019361325	2019364556	2018439776	2019351797
<b><u>G01M 7 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>H01F 6 /-</u></b>	<b><u>H02M 1 /-</u></b>	2019368625
2019368545	2019372515	2018438719	2019347727	2019335065	<b><u>H04W 40 /-</u></b>
<b><u>G01N 1 /-</u></b>	<b><u>G03B 17 /-</u></b>	<b><u>G07C 3 /-</u></b>	<b><u>H01H 9 /-</u></b>	<b><u>H02S 20 /-</u></b>	2018441206
2019335303	2019398813	2019333920	2019378601	2019356905	2019350015
<b><u>G01N 21 /-</u></b>	<b><u>G03G 15 /-</u></b>	<b><u>G07C 5 /-</u></b>	<b><u>H01L 25 /-</u></b>	<b><u>H03K 11 /-</u></b>	<b><u>H04W 52 /-</u></b>
2019333920	2019364197	2019368545	2019387435	2019357130	2019331959
2019333923	2020246265	<b><u>G07D 5 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H04B 7 /-</u></b>	2019446091
<b><u>G01N 27 /-</u></b>	<b><u>G03G 21 /-</u></b>	2019352818	2019360755	2019342135	<b><u>H04W 60 /-</u></b>
2020324193	2019364197	<b><u>G07D 9 /-</u></b>	2019370111	<b><u>H04L 1 /-</u></b>	2018436759
<b><u>G01N 30 /-</u></b>	<b><u>G05G 1 /-</u></b>	2019352818	2020246793	<b><u>H04L 12 /-</u></b>	<b><u>H04W 68 /-</u></b>
2019332764	2019378601	2019356918	<b><u>H01M 50 /-</u></b>	2018442195	2018436759
<b><u>G01N 31 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G07F 17 /-</u></b>	2020294731	2018445049	<b><u>H04W 72 /-</u></b>
2019327666	2019327667	2019356918	<b><u>H01M 8 /-</u></b>	<b><u>H04L 12 /-</u></b>	2018437179
<b><u>G01N 33 /-</u></b>	2019352645	<b><u>G08C 17 /-</u></b>	2019352859	2018441206	2019347974
2019327666	2019359213	2019363542	<b><u>H01R 13 /-</u></b>	2018443613	2019348581
2019348534	2020264259	<b><u>G09B 23 /-</u></b>	2019380007	2018446175	<b><u>H04W 74 /-</u></b>
2019351294	<b><u>G06F 17 /-</u></b>	2019351942	<b><u>H01R 24 /-</u></b>	2019352645	2019446091
2019352379	2019356932	2019351943	2019380007	<b><u>H04L 29 /-</u></b>	<b><u>H04W 8 /-</u></b>
2019354291	<b><u>G06F 3 /-</u></b>	2019353650	<b><u>H01R 33 /-</u></b>	2018441206	2018453228
2019354965	2019387435	<b><u>G09F 9 /-</u></b>	2019380007	2018446175	<b><u>H04W 80 /-</u></b>
2019373769	2020327347	2019387435	<b><u>H02G 15 /-</u></b>	2019368625	2019442498
2019385307	<b><u>G06K 9 /-</u></b>	<b><u>G09G 3 /-</u></b>	2019364556	<b><u>H04L 9 /-</u></b>	<b><u>H04W 88 /-</u></b>
<b><u>G01N 5 /-</u></b>	2019368520	2019387435	<b><u>H02G 3 /-</u></b>	2019344067	2018446009
2019327666	<b><u>G06N 20 /-</u></b>	<b><u>G10L 19 /-</u></b>	2019339591	2019352645	<b><u>H04W 92 /-</u></b>
<b><u>G01R 31 /-</u></b>	2020264259	2019416316	<b><u>H02J 1 /-</u></b>	2019364202	2019442498
2019370111	<b><u>G06Q 10 /-</u></b>	<b><u>G10L 21 /-</u></b>	2020345857	<b><u>H04N 19 /-</u></b>	<b><u>H05B 1 /-</u></b>
<b><u>G01R 33 /-</u></b>	2019358810	2019416316	<b><u>H02J 3 /-</u></b>	2019336046	2019339478
2019347727	2019361325	<b><u>G10L 25 /-</u></b>	2020345857	2019336894	<b><u>H05B 3 /-</u></b>
<b><u>G01S 11 /-</u></b>	2020264267	2019356224	<b><u>H02J 7 /-</u></b>	2019344400	2019339478
2019363542	<b><u>G06Q 20 /-</u></b>	2019416316	2018442789	2019415789	<b><u>H04Q 9 /-</u></b>
<b><u>G01S 17 /-</u></b>	2019335592	<b><u>G16H 20 /-</u></b>	2019360755	<b><u>H04W 12 /-</u></b>	<b><u>H05B 6 /-</u></b>
2019360421	2019351878	2019336699		2019340116	2019396150
<b><u>G01V 1 /-</u></b>	2019361900	2019352875		2019442498	
2019340410					

PCT applications which have entered the National Phase - IPC Index cont'd

**H05H 1 /-**

2019336337

**H05K 5 /-**

2019387435

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 (11) AU-B-2020200762  
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 (54) Self-ligating orthodontic bracket  
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     **A61C 7/28** ( 2006.01 )  
     **A61C 7/14** ( 2006.01 )  
     **A61C 7/34** ( 2006.01 )  
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 (44) 06.05.2021  
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     **H01H 31/16** ( 2006.01 )  
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 (51) Int. Cl.  
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     **A61N 5/00** ( 2006.01 )  
     **G01J 5/60** ( 2006.01 )  
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     **A61K 31/7068** ( 2006.01 )  
     **A61K 31/7072** ( 2006.01 )  
     **A61K 31/7076** ( 2006.01 )  
     **A61K 31/708** ( 2006.01 )  
     **A61P 31/14** ( 2006.01 )  
     **C07H 19/073** ( 2006.01 )  
     **C07H 19/10** ( 2006.01 )  
     **C07H 19/167** ( 2006.01 )  
     **C07H 19/173** ( 2006.01 )  
     **C07H 19/20** ( 2006.01 )  
     **C07H 19/213** ( 2006.01 )  
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**A61L 27/18** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**A61F 2/12** ( 2006.01 )  
**A61L 27/44** ( 2006.01 )  
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**A63F 13/00** ( 2014.01 )  
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 G07F 17/34 ( 2006.01 )  
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**D21C 7/00** ( 2006.01 )  
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**(74)** Houlihan<sup>2</sup> Pty Ltd

**Inoue, H. see Van Dyke, S.**  
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**(21)** 2017355533 **(22)** 03.11.2017  
**(54)** Techniques for improving the quality of  
 subjective data  
**(51)** Int. Cl.

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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.

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**A61N 1/05** ( 2006.01 )  
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 Hamilton; Pinyon, Jeremy; Crawford,  
 Edward Norman; Browne, Cherylea  
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 AUX AIR CONDITIONER CO., LTD**  
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**(54)** Threaded connection for steel pipe  
**(51)** Int. Cl.

**F16L 15/04** ( 2006.01 )  
**E21B 17/042** ( 2006.01 )  
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**(31)** 2017-206157 **(32)** 25.10.17 **(33)** JP  
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**(21)** 2019211650 **(22)** 23.01.2019  
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 cise load estimation device, and record-  
 ing medium  
**(51)** Int. Cl.

**A61B 5/22** ( 2006.01 )  
**A61B 5/0245** ( 2006.01 )  
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**(31)** 2018-009415 **(32)** 24.01.18 **(33)** JP  
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 poration  
**(11)** AU-B-2019223507  
**(21)** 2019223507 **(22)** 14.02.2019  
**(54)** Secure computation device, secure  
 computation authentication system, se-  
 cure computation method, and program  
**(51)** Int. Cl.

**G09C 1/00** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )  
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 CHIDA, Koji  
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**(51)** Int. Cl.

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 structure to a dental implant and dental  
 assembly comprising the adapter  
**(51)** Int. Cl.

**A61C 8/00** ( 2006.01 )  
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**(71)** Northrop Grumman Systems Corpora-  
 tion  
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**(54)** Clock distribution system  
**(51)** Int. Cl.

**G06F 1/04** ( 2006.01 )  
**H03K 3/00** ( 2006.01 )  
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 Quentin P.; Shauck, Steven B.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Northrop Grumman Systems Corpora-  
 tion  
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**(54)** Load-compensated tunable coupling  
**(51)** Int. Cl.

**H03K 17/92** ( 2006.01 )  
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 D.; NAAMAN, Ofer  
**(74)** Spruson & Ferguson

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**(54)** MINIMALLY DISRUPTIVE RETRACT-  
 OR AND ASSOCIATED METHODS  
 FOR SPINAL SURGERY  
**(51)** Int. Cl.

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**(74)** Phillips Ormonde Fitzpatrick

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 (54) Novel benzylamide compound, method for producing the same, and miticide  
 (51) Int. Cl.  
*C07D 239/49* (2006.01)  
*A01N 43/40* (2006.01)  
*A01N 43/48* (2006.01)  
*A01N 47/08* (2006.01)  
*C07C 323/33* (2006.01)  
*C07D 213/16* (2006.01)  
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(71) Ocado Innovation Limited  
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 (54) Positioning device, communications system and method  
 (51) Int. Cl.  
*G01S 5/10* (2006.01)  
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 (74) Griffith Hack

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*B65D 81/18* (2006.01)  
*A45C 11/22* (2006.01)  
*A45C 13/00* (2006.01)  
*B65D 6/00* (2006.01)  
*B65D 6/24* (2006.01)  
*B65D 43/02* (2006.01)  
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*H05K 5/06* (2006.01)  
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 (72) Harvey, Matthew James; Dobson, Nicholas  
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(71) Oncotherapy Science, Inc.  
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 (54) FOXM1-derived peptide, and vaccine including same  
 (51) Int. Cl.  
*C07K 7/06* (2006.01)  
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*A61K 38/00* (2006.01)  
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*A61P 1/04* (2006.01)  
*A61P 1/16* (2006.01)  
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*A61P 15/00* (2006.01)  
*A61P 19/00* (2006.01)  
*A61P 35/00* (2006.01)  
*A61P 35/02* (2006.01)  
*A61P 37/04* (2006.01)  
*C12N 5/10* (2006.01)  
*C12N 15/09* (2006.01)  
*G01N 33/15* (2006.01)  
*G01N 33/50* (2006.01)  
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 (74) Davies Collison Cave Pty Ltd

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 (54) Fluidic systems comprising an incubation channel, including fluidic systems formed by molding  
 (51) Int. Cl.  
*B01L 3/00* (2006.01)  
*G01N 35/08* (2006.01)  
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*B29C 37/00* (2006.01)  
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 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.  
*D21H 21/56* (2006.01)  
*D21H 13/02* (2006.01)  
*D21H 13/14* (2006.01)  
*D21H 13/16* (2006.01)  
*D21H 13/26* (2006.01)  
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 (74) FB Rice Pty Ltd

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*A61F 5/37* (2006.01)  
*A61F 5/04* (2006.01)  
*A61F 5/048* (2006.01)  
*A61F 5/05* (2006.01)  
*A61F 5/058* (2006.01)  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2016361420 (22) 22.11.2016  
 (54) Hollow polymer fiber optic system for single analyte and multiplexed analyte detection  
 (51) Int. Cl.  
*G01N 21/64* (2006.01)  
*G01N 21/77* (2006.01)  
*G01N 33/53* (2006.01)  
*G01N 33/58* (2006.01)  
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 (54) Novel allergen  
 (51) Int. Cl.

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**(11)** AU-B-2016332073  
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**(54)** Method and device for splicing a conveyor belt  
**(51)** Int. Cl.  
**F16G 3/08** ( 2006.01 )  
**B65G 15/32** ( 2006.01 )  
**F16G 3/12** ( 2006.01 )  
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**(74)** Churchill Attorneys

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**(51)** Int. Cl.  
**C12N 5/09** ( 2010.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 41/00** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**(51)** Int. Cl.  
**H01H 35/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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 61/932,307 28.01.14 US  
**(43)** 06.08.2015  
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**(71)** Progress Rail Locomotive Inc.  
**(11)** AU-B-2016202101  
**(21)** 2016202101 **(22)** 05.04.2016  
**(54)** SYSTEM AND METHOD FOR REMOTELY OPERATING LOCOMOTIVES  
**(51)** Int. Cl.  
**B61L 27/02** ( 2006.01 )  
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**(43)** 03.11.2016  
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**(72)** SEATON, James David; SHUBS Jr., Alexander  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Prolitec Inc.  
**(11)** AU-B-2016341955  
**(21)** 2016341955 **(22)** 20.10.2016  
**(54)** Air treatment appliance  
**(51)** Int. Cl.  
**A61L 9/14** ( 2006.01 )  
**B05B 7/24** ( 2006.01 )  
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**(11)** AU-B-2019210511  
**(21)** 2019210511 **(22)** 30.07.2019  
**(54)** Tamper resistant oral pharmaceutical dosage forms comprising an opioid analgesic  
**(51)** Int. Cl.  
**A61K 31/485** ( 2006.01 )  
**A61K 9/22** ( 2006.01 )  
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**(72)** MANNION, Richard Owen; O'DONNELL, Edward Patrick; MCKENNA, William Henry; HUANG, Haiyong Hugh  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Qingdao Haier Joint Stock Co., Ltd  
**(11)** AU-B-2019240580  
**(21)** 2019240580 **(22)** 01.10.2019  
**(54)** Refrigerator  
**(51)** Int. Cl.  
**F25D 17/08** ( 2006.01 )

**(43)** 24.10.2019  
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**(54)** Scheduling request transmission to request resources for a buffer status report  
**(51)** Int. Cl.  
**H04W 72/12** ( 2009.01 )  
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 15/395,189 30.12.16 US  
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**(71)** Qualcomm Incorporated  
**(11)** AU-B-2020203702  
**(21)** 2020203702 **(22)** 04.06.2020  
**(54)** ENHANCED DISCONTINUOUS RECEPTION DESIGN FOR A SHARED FREQUENCY BAND  
**(51)** Int. Cl.  
**H04W 16/14** ( 2009.01 )  
**H04W 68/00** ( 2009.01 )  
**H04W 68/02** ( 2009.01 )  
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**(74)** Madderns Pty Ltd

**(71)** Range of Motion Products, LLC  
**(11)** AU-B-2016246082  
**(21)** 2016246082 **(22)** 08.04.2016  
**(54)** Body massaging apparatus  
**(51)** Int. Cl.  
**A61H 15/00** ( 2006.01 )  
**A61H 7/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A01C 23/00** ( 2006.01 )

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**A01G 25/02** ( 2006.01 )  
**A01G 25/09** ( 2006.01 )  
**A01G 25/16** ( 2006.01 )  
**B05B 7/00** ( 2006.01 )  
**B05B 7/24** ( 2006.01 )  
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**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Razer (Asia-Pacific) Pte. Ltd.; Huizhou Greetech Electronics Co., Ltd.  
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**(21)** 2016306000 **(22)** 12.08.2016  
**(54)** Key assemblies, keyboards and methods for providing a key assembly  
**(51)** Int. Cl.  
**H01H 13/84** ( 2006.01 )  
**H01H 13/705** ( 2006.01 )  
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**(71)** Reece Innovation Centre Limited  
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**(54)** System for monitoring and/or surveying conduits  
**(51)** Int. Cl.  
**G01S 15/34** ( 2006.01 )  
**G01N 29/14** ( 2006.01 )  
**G01S 15/10** ( 2006.01 )  
**G01S 15/88** ( 2006.01 )  
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**(54)** Corrosion inhibitor formulations  
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**C23F 11/10** ( 2006.01 )  
**C09K 8/54** ( 2006.01 )  
**C10G 75/02** ( 2006.01 )  
**C23F 11/12** ( 2006.01 )  
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**E21B 41/02** ( 2006.01 )  
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**(71)** Rich Products Corporation  
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**(54)** Improved food topping  
**(51)** Int. Cl.  
**A23C 9/156** ( 2006.01 )  
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**A23C 13/12** ( 2006.01 )  
**A23C 21/08** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**(54)** Droplet Forming Device And Dispensing Device  
**(51)** Int. Cl.  
**B05C 5/00** ( 2006.01 )  
**B05C 11/00** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**G01N 1/00** ( 2006.01 )  
**G01N 15/00** ( 2006.01 )  
**G01N 21/64** ( 2006.01 )  
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**(74)** WRAYS PTY LTD

**(71)** RSM Imagineering AS  
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**(54)** Pressure transfer device and associated system, fleet and use, for pumping high volumes of fluids with particles at high pressures  
**(51)** Int. Cl.  
**F04B 15/02** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**F04B 15/04** ( 2006.01 )  
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**(71)** Rutgers, The State University of New Jersey  
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**(51)** Int. Cl.

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**A61K 47/34** ( 2006.01 )  
**C07C 59/52** ( 2006.01 )  
**C08G 67/00** ( 2006.01 )  
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**(72)** Bolikal, Durgadas; Kohn, Joachim B.  
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**(71)** S. Biomedics Co., Ltd.  
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**C12N 5/0793** ( 2010.01 )  
**C12N 5/00** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Safran Electronics & Defense; SARL MKM  
**(11)** AU-B-2019212108  
**(21)** 2019212108 **(22)** 22.01.2019  
**(54)** Bag carrier and apparatus comprising such a bag carrier  
**(51)** Int. Cl.  
**A45F 3/10** ( 2006.01 )  
**F41H 1/02** ( 2006.01 )  
**(87)** WO2019/145268  
**(31)** 1850534 **(32)** 23.01.18 **(33)** FR  
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**(74)** Spruson & Ferguson

**(71)** Saipem S.A.  
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**B63B 35/44** ( 2006.01 )  
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 (72) FENG, Yuzhen; FANG, Lan  
 (74) Michael Buck IP

(71) Zoetis Services LLC  
 (11) AU-B-2015301632  
 (21) 2015301632 (22) 13.08.2015  
 (54) Signal amplification in plasmonic specific-binding partner assays  
 (51) Int. Cl.  
*G01N 33/553* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
*C40B 40/10* ( 2006.01 )  
 (87) WO2016/025703  
 (31) 62/082,468 (32) 20.11.14 (33) US  
 62/037,071 13.08.14 US  
 (43) 18.02.2016  
 (44) 06.05.2021  
 (72) Mehra, Rajesh K.; Chiang, Vincent; Aron, Kenneth P.; Krell, Asher  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) ZTE Corporation  
 (11) AU-B-2018274025  
 (21) 2018274025 (22) 17.05.2018  
 (54) Methods and devices for data transmission and processing, network side apparatus, and terminal  
 (51) Int. Cl.  
*H04L 1/00* ( 2006.01 )  
 (87) WO2018/214787  
 (31) 201710362907.6 (32) 22.05.17 (33) CN  
 (43) 29.11.2018  
 (44) 06.05.2021  
 (72) Peng, Focai; Xie, Saijin; Chen, Mengzhu; Xu, Jun; Xu, Jin; Han, Cuihong  
 (74) Spruson & Ferguson

Numerical Index

<b>2014356428</b>	Universitat Rovira i Virgili; Institut d'Investigacio Sanitaria Pere Virgili	<b>2016262569</b>	Synlogic Operating Company, Inc.
<b>2014369762</b>	University College Dublin, National University of Ireland, Dublin	<b>2016267591</b>	Becton, Dickinson and Company
<b>2014415196</b>	Institut Mines-Telecom; Massachusetts Institute of Technology	<b>2016269054</b>	Electrical Subsea & Drilling AS
<b>2015204819</b>	Seven Bridges Genomics Inc.	<b>2016272908</b>	Aurigene Discovery Technologies Limited
<b>2015212908</b>	Predemtec AG	<b>2016276719</b>	kocher-plastik Maschinenbau GmbH
<b>2015219289</b>	Illumina, Inc.	<b>2016276963</b>	Dana-Farber Cancer Institute, Inc.
<b>2015249053</b>	OCEAN VISION ENVIRONMENTAL RESEARCH PTY LTD	<b>2016282210</b>	NewSouth Innovations Pty Limited
<b>2015294723</b>	Phadia AB	<b>2016283778</b>	Northrop Grumman Systems Corporation
<b>2015301014</b>	Poseida Therapeutics, Inc.	<b>2016288240</b>	Washington University
<b>2015301632</b>	Zoetis Services LLC	<b>2016289530</b>	Massachusetts Institute of Technology
<b>2015305449</b>	Celgene Corporation	<b>2016290895</b>	Mitchell Terrace Pty. Ltd.
<b>2015306621</b>	Memorial Sloan Kettering Cancer Center	<b>2016291778</b>	Sangamo Therapeutics, Inc.
<b>2015315006</b>	The Regents of the University of California	<b>2016293004</b>	Marinomed Biotech AG
<b>2015316832</b>	CommScope Connectivity Belgium BV; ADC Czech Republic, s.r.o.	<b>2016293125</b>	Marinomed Biotech AG
<b>2015318149</b>	Karsten Manufacturing Corporation	<b>2016294522</b>	Stryker Corporation
<b>2015318811</b>	DTI Group Limited	<b>2016297671</b>	The University of Adelaide
<b>2015323594</b>	BAE Systems PLC	<b>2016297681</b>	The Peak Group Pty Limited
<b>2015324000</b>	View, Inc.	<b>2016298095</b>	Advanced Animal Diagnostics, Inc.
<b>2015341801</b>	F. Hoffmann-La Roche AG	<b>2016299226</b>	Nobel Biocare Services AG
<b>2015342771</b>	Ancestryhealth.com, LLC	<b>2016302168</b>	Sumitomo Electric Industries, Ltd.
<b>2015345164</b>	ethris GmbH	<b>2016304219</b>	Negri, M.
<b>2015346235</b>	Power Products, LLC	<b>2016304907</b>	Weatherford Technology Holdings, LLC
<b>2015348150</b>	Immune Macro-Biotic Technology UK Limited	<b>2016305553</b>	Evolution Biotechnologies Ltd
<b>2015348344</b>	IVC N.V.	<b>2016306000</b>	Razer (Asia-Pacific) Pte. Ltd.; Huizhou Greentech Electronics Co., Ltd.
<b>2015349811</b>	Serenity Pharmaceuticals LLC	<b>2016308086</b>	Pavini, M.
<b>2015357340</b>	Electrolux Appliances Aktiebolag	<b>2016314778</b>	TNBT Holdings Pty Ltd
<b>2015358493</b>	Aragon Pharmaceuticals, Inc.	<b>2016319111</b>	The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.
<b>2015360401</b>	Opko Diagnostics, LLC	<b>2016322712</b>	Alcon Inc.
<b>2015369592</b>	Nitto Denko Corporation	<b>2016323992</b>	Metacrine, Inc.
<b>2015374062</b>	Celgene Corporation	<b>2016324162</b>	StimLabs, LLC
<b>2015383974</b>	Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e. V.	<b>2016324168</b>	Viveve, Inc.
<b>2015406654</b>	Rich Products Corporation	<b>2016325872</b>	International Consolidated Business Group Pty Ltd
<b>2015411555</b>	Thai Union Group Public Company Limited	<b>2016330343</b>	Mustang Sampling LLC
<b>2016200301</b>	John Wall, Inc.	<b>2016332073</b>	Pieterse, H.
<b>2016201967</b>	Fujitsu General Limited	<b>2016333871</b>	BVW Holding AG
<b>2016202101</b>	Progress Rail Locomotive Inc.	<b>2016335731</b>	Oncotherapy Science, Inc.
<b>2016202576</b>	Adobe Inc.	<b>2016336036</b>	Hazprotect Pty Ltd
<b>2016202745</b>	DYWIDAG-Systems International Pty Limited	<b>2016337513</b>	CiDRA Corporate Services Inc.
<b>2016206950</b>	Enteris Biopharma, Inc.	<b>2016338679</b>	Eisai R&D Management Co., Ltd.
<b>2016207431</b>	Chugai Seiyaku Kabushiki Kaisha	<b>2016339049</b>	Imertech SAS
<b>2016210661</b>	J2 GLOBAL IP LIMITED	<b>2016340034</b>	MicroTau IP Pty Ltd
<b>2016211182</b>	Mack-Ray, Inc.	<b>2016341955</b>	Prolitec Inc.
<b>2016212446</b>	Marel A/S	<b>2016342157</b>	Beyond Meat, Inc.
<b>2016212771</b>	Structo Pte. Ltd.	<b>2016344030</b>	Spark Therapeutics, Inc.
<b>2016219536</b>	ConocoPhillips Company	<b>2016344735</b>	Konecranes Global Corporation
<b>2016220179</b>	Evoqua Water Technologies LLC	<b>2016346000</b>	Strongbond B.V.
<b>2016223833</b>	L'AIR LIQUIDE Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	<b>2016347539</b>	Michaels, P.
<b>2016224135</b>	Marathon Robotics Pty Ltd	<b>2016353229</b>	MicroOptx Inc.
<b>2016224142</b>	Intec International Projects Pty Ltd	<b>2016355429</b>	Cerecor, Inc.
<b>2016226534</b>	Sheldon, B.	<b>2016355854</b>	Topadur Pharma AG
<b>2016228881</b>	dormakaba Schweiz AG	<b>2016356603</b>	Universiteit Maastricht; Academisch Ziekenhuis Maastricht
<b>2016231511</b>	Milenco Limited	<b>2016361420</b>	PerkinElmer Health Sciences, Inc.
<b>2016236818</b>	Macbeth, M.	<b>2016365744</b>	Black & Decker Inc.
<b>2016241573</b>	Fisher & Paykel Healthcare Limited	<b>2016374474</b>	Reece Innovation Centre Limited
<b>2016246082</b>	Range of Motion Products, LLC	<b>2016374571</b>	Janssen Pharmaceutica NV
<b>2016247786</b>	Hubbell Incorporated	<b>2016375581</b>	Rutgers, The State University of New Jersey
<b>2016252884</b>	Van Dyke, S.; Kanakaris, N.; Mullis, B.; Liporace, F.; Haidukewych, G.J.; Kinugasa, K.; Inoue, H.	<b>2016378758</b>	Mapei S.p.A.
<b>2016258618</b>	Magic Leap, Inc.	<b>2016380708</b>	Fresenius Medical Care Holdings, Inc.
<b>2016260438</b>	Smith & Nephew, Inc.	<b>2016384242</b>	ViCentra B.V.
<b>2016261315</b>	Rhodia Operations	<b>2016401146</b>	Atos Medical AB
		<b>2016402526</b>	Universiteit Maastricht; Academisch Ziekenhuis Maastricht
		<b>2016404643</b>	Jiangsu Huifeng Bio Agriculture Co., Ltd.
		<b>2016406378</b>	Turun yliopisto
		<b>2016408287</b>	Fibrattech Pte. Ltd



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2016409604	Incell International AB	2018253630	Konkuk University; The Regents of the University of Colorado, a body corporate
2017202939	Tendyne Holdings, Inc.	2018256263	Ami Pharm Co., Ltd.
2017211800	SWIMC LLC	2018259895	Sony Corporation
2017214748	Magic Leap, Inc.	2018260779	Gates Corporation
2017218598	Bergen Teknologioverføring AS; NewSouth Innovations Pty Limited	2018266556	TE Connectivity Corporation; Tyco Electronics Canada ULC
2017231925	Tereos Starch & Sweeteners Belgium	2018271408	Empi, Inc.
2017246410	Qualcomm Incorporated	2018274025	ZTE Corporation
2017247103	University of Georgia Research Foundation, Inc.	2018278210	General Electric Company
2017257755	Duke University; The University Of North Carolina At Chapel Hill	2018291851	Motorola Solutions, Inc.
2017261249	Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children); The United States of America, as represented by the Secretary, Department of Health and Human Services (Washington, DC)	2018297061	Merus N.V.
2017262533	Construction Research & Technology GmbH	2018298330	RSM Imagineering AS
2017263107	Turun yliopisto	2018304331	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2017266677	Martinswerk GmbH	2018313025	Milwaukee Electric Tool Corporation
2017269881	Taghleef Industries S.p.A. Con Socio Unico	2018317833	Gilead Sciences, Inc.
2017270497	Paptic Oy	2018318833	Waymo LLC
2017271678	SyntheX, Inc.	2018319538	Gilead Sciences, Inc.
2017272785	Anheuser-Busch InBev S.A.	2018323394	Daikin Industries, Ltd.
2017274110	Xcovery Holdings, Inc.	2018323519	ConMed Corporation
2017275184	Kyushu University, National University Corporation	2018324490	Citrix Systems, Inc.
2017282459	Eisai R&D Management Co., Ltd.	2018331325	Colgate-Palmolive Company
2017284702	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Lianyungang Runzhong Pharmaceutical Co., Ltd.; Centaurus Biopharma Co., Ltd.	2018335218	Hymeth ApS
2017286852	Cellix Bio Private Limited	2018341374	Samsung Electronics Co., Ltd.
2017286947	Italicus Ltd	2018345429	Huawei Technologies Co., Ltd.
2017290728	McLaughlin Gormley King Company	2018353923	Advanced New Technologies Co., Ltd.
2017290734	McLaughlin Gormley King Company	2018354891	Nippon Steel Corporation; Vallourec Oil and Gas France
2017298644	OAT AGRIO CO., LTD.	2018357310	Shanghai Liangxin Electrical Co., Ltd
2017303694	Institut Curie; Ecole Superieure de Physique et de Chimie Industrielle (ESPCI); Ecole Nationale Superieure de Chimie de Paris (ENSCP); Centre National de la Recherche Scientifique; Cemag Care	2018360520	DAIKIN INDUSTRIES, LTD.
2017306328	Shenzhen Profound-View Pharma Tech Co., Ltd.	2018362081	W. L. Gore & Associates, Inc.
2017319330	Longevity Neuro Solutions LLC; The Johns Hopkins University	2018362092	W. L. Gore & Associates, Inc.
2017353982	Children's Hospital Medical Center	2018363712	HemoCue AB
2017355533	Netflix, Inc.	2018367446	Colgate-Palmolive Company
2017368070	XStream Trucking Inc.	2018376719	Saipem S.A.
2017371200	Vertex Pharmaceuticals Incorporated	2018381861	Krosakiharima Corporation
2017376699	Delta Electronics (Shanghai) Co., Ltd	2018383447	Waymo LLC
2017385766	S. Biomedics Co., Ltd.	2018388719	Citrix Systems, Inc.
2017402495	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2018391812	Ocado Innovation Limited
2017403917	LG Electronics Inc.	2018394953	Genentech, Inc.
2017407830	Baker Hughes Holdings, LLC	2018395920	Dropbox, Inc.
2017414097	VALQUA, LTD.	2018397466	Illumina, Inc.
2017419088	Winbo-Dongjian Automotive Technology Co., Ltd.	2018399202	AUX AIR CONDITIONER CO., LTD; NINGBO AUX ELECTRIC CO., LTD.
2017423496	Intuit Inc.	2018404690	XUANZHU BIOPHARMACEUTICAL CO., LTD.
2017432809	Google LLC	2018413756	China University of Mining and Technology
2017434691	Huawei Technologies Co., Ltd.	2018414045	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2017442559	Motorola Solutions, Inc	2018414440	Essity Hygiene and Health Aktiebolag
2018205101	Kao, J.	2018416405	Dainichiseika Color & Chemicals Mfg. Co., Ltd.
2018205225	Raven Industries, Inc.	2018431390	China University of Mining and Technology
2018213552	Huawei Technologies Co., Ltd.	2018446161	MacRae, A.
2018217542	BEIJING QISHENG SCIENCE AND TECHNOLOGY CO., LTD.	2019200578	LANDA LABS (2012) LTD
2018218644	Sumitomo Metal Mining Co., Ltd.	2019200793	Bioness Neuromodulation Ltd.
2018230328	Mediatek Inc.	2019200879	Aristocrat Technologies Australia Pty Limited
2018234345	LG Electronics Inc.	2019201140	Aristocrat Technologies Australia Pty Limited
2018246212	Allergan, Inc.	2019201171	Aristocrat Technologies Australia Pty Limited
2018246873	Merus N.V.	2019201459	VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ
2018248604	LG Electronics Inc.	2019201976	GEN-PROBE INCORPORATED
2018251059	Inventio AG	2019202073	DEKA Products Limited Partnership
2018253607	Dow AgroSciences LLC	2019202611	ImmunoGen, Inc.
		2019202930	Keystone Tower Systems, Inc.
		2019203109	Bovell, C.
		2019203786	Jand, Inc.
		2019203945	Valsch Dynamic Mechtronics Ltd.
		2019203974	Capnia, Inc.
		2019204594	University Health Network
		2019204723	Advanced New Technologies Co., Ltd.
		2019204766	Atrium Medical Corporation
		2019204818	Aristocrat Technologies Australia Pty Limited
		2019204940	LG ELECTRONICS INC.

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<b>2019205017</b>	Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University	<b>2020218414</b>	Mizkan Holdings Co., Ltd.
<b>2019205022</b>	Spinetic Energy Limited	<b>2020223734</b>	AMERICORP INVESTMENTS LLC
<b>2019206449</b>	Shell Internationale Research Maatschappij B.V.	<b>2020227011</b>	Institute of Oceanographic Instrumentation, Qilu Uni- versity of Technology (Shandong Academy of Sciences)
<b>2019206471</b>	Shell Internationale Research Maatschappij B.V.	<b>2020233734</b>	Saudi Arabian Oil Company
<b>2019208167</b>	Gilead Sciences, Inc.	<b>2020256314</b>	China Agricultural University
<b>2019210511</b>	Purdue Pharma L.P.	<b>2020256373</b>	Nantong University
<b>2019211650</b>	Nippon Telegraph and Telephone Corporation	<b>2020267177</b>	Opus RV Pty Ltd
<b>2019212108</b>	Safran Electronics & Defense; SARL MKM	<b>2020273363</b>	HUBBELL INCORPORATED
<b>2019213413</b>	Baylis Medical Company Inc.	<b>2020289817</b>	Neolight LLC
<b>2019216711</b>	EWRG (SOUTH) PTY LTD		
<b>2019219705</b>	ServiceNow, Inc.		
<b>2019219848</b>	Aesthetics Biomedical, Inc.		
<b>2019221337</b>	Schütz GmbH & Co. KGaA		
<b>2019223507</b>	Nippon Telegraph and Telephone Corporation		
<b>2019226121</b>	Somerset Coal International		
<b>2019226154</b>	Ting, M.		
<b>2019226230</b>	Bell Identification BV		
<b>2019226277</b>	Angel Playing Cards Co., Ltd.		
<b>2019228483</b>	Advanced New Technologies Co., Ltd.		
<b>2019229454</b>	Stryker Corporation		
<b>2019232791</b>	ServiceNow, Inc.		
<b>2019236759</b>	IMASCAP		
<b>2019240163</b>	ABB Power Grids Switzerland AG		
<b>2019240576</b>	Accenture Global Solutions Limited		
<b>2019240580</b>	Qingdao Haier Joint Stock Co., Ltd		
<b>2019240588</b>	Caterpillar Underground Mining Pty Ltd		
<b>2019246895</b>	Impossible Foods Inc.		
<b>2019250221</b>	Exosome Diagnostics, Inc.		
<b>2019253773</b>	Dexcom, Inc.		
<b>2019253873</b>	Aspen Aerogels, Inc.		
<b>2019257385</b>	Incyte Holdings Corporation		
<b>2019264517</b>	Becton, Dickinson and Company		
<b>2019272003</b>	The Board of Trustees of the University of Illinois; Fred Hutchinson Cancer Research Center		
<b>2019272028</b>	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude		
<b>2019275550</b>	Southmedic Incorporated		
<b>2019275574</b>	MAKO Surgical Corp.		
<b>2019275638</b>	Galmed Research & Development Limited		
<b>2019282671</b>	Crystal Bioscience Inc.		
<b>2019283456</b>	Law, R.		
<b>2019283688</b>	Northrop Grumman Systems Corporation		
<b>2019283773</b>	W.L. GORE & ASSOCIATES, INC.		
<b>2019283845</b>	Google LLC		
<b>2019283847</b>	Water Pik, Inc.		
<b>2019283975</b>	Apple Inc.		
<b>2019299866</b>	Pacific Industrial Co., Ltd		
<b>2019299869</b>	Hefei Midea Refrigerator Co., Ltd.; Hefei Hualing Co., Ltd.; Midea Group Co., Ltd.		
<b>2019362802</b>	General Mills, Inc.		
<b>2019370092</b>	Intuit Inc.		
<b>2020200338</b>	CASIO COMPUTER CO., LTD.		
<b>2020200499</b>	Alios BioPharma, Inc.		
<b>2020200584</b>	Amazon Technologies, Inc.		
<b>2020200690</b>	LG Electronics Inc.		
<b>2020200762</b>	3M Innovative Properties Company		
<b>2020201030</b>	Apple Inc.		
<b>2020201044</b>	MasterCard International Incorporated		
<b>2020201194</b>	Schlage Lock Company LLC		
<b>2020201629</b>	Apple Inc.		
<b>2020202208</b>	LG Electronics Inc.		
<b>2020202290</b>	NuVasive, Inc.		
<b>2020202476</b>	Ricoh Company, Ltd.		
<b>2020202514</b>	Huawei Technologies Co., Ltd.		
<b>2020202758</b>	ContiTech USA, Inc.		
<b>2020202851</b>	ServiceNow, Inc.		
<b>2020203702</b>	Qualcomm Incorporated		
<b>2020204015</b>	Baxter International Inc; Baxter Healthcare SA		
<b>2020204374</b>	Heraeus Electro-Nite International N.V.		
<b>2020217307</b>	GI Scientific, LLC		

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2018205225	<b><u>A45C 11 /-</u></b>	2017319330	2016236818	2016288240	2016380708
<b><u>A01K 67 /-</u></b>	2015249053	2018323519	<b><u>A61H 15 /-</u></b>	2016291778	2020204015
2019282671	<b><u>A45C 13 /-</u></b>	2019213413	2016246082	2016335731	<b><u>A61M 16 /-</u></b>
<b><u>A01N 43 /-</u></b>	2015249053	2019236759	<b><u>A61H 33 /-</u></b>	2017271678	2016241573
2016404643	<b><u>A45D 34 /-</u></b>	<b><u>A61B 18 /-</u></b>	2016236818	2019204594	2016401146
2017298644	2016290895	2016324168	<b><u>A61H 7 /-</u></b>	2019272003	2019275550
<b><u>A01N 47 /-</u></b>	<b><u>A45F 3 /-</u></b>	2019213413	2016246082	<b><u>A61K 39 /-</u></b>	<b><u>A61M 25 /-</u></b>
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2017298644	<b><u>A46B 13 /-</u></b>	<b><u>A61B 3 /-</u></b>	2016276719	2015305449	<b><u>A61M 29 /-</u></b>
<b><u>A01N 63 /-</u></b>	2019283847	2016353229	<b><u>A61K 101 /-</u></b>	2015315006	2019213413
2016291778	<b><u>A46B 15 /-</u></b>	2019203786	2016374571	2016207431	<b><u>A61M 35 /-</u></b>
2016305553	2018367446	2019229454	<b><u>A61K 31 /-</u></b>	2016293004	2016290895
<b><u>A01N 65 /-</u></b>	<b><u>A46B 9 /-</u></b>	2019236759	2015305449	<b><u>A61K 45 /-</u></b>	<b><u>A61M 5 /-</u></b>
2017290728	2018331325	<b><u>A61B 5 /-</u></b>	2015315006	2016207431	2016384242
2017290734	2018367446	2016241573	2015349811	2016293004	2018394953
<b><u>A01P 1 /-</u></b>	2019283847	2016298095	2015369592	2016293125	2019264517
2016404643	<b><u>A46D 1 /-</u></b>	2016353229	2016207431	2016375581	2019283773
<b><u>A01P 3 /-</u></b>	2018331325	2016406378	2016272908	2017282459	2020204015
2016404643	<b><u>A47B 25 /-</u></b>	2019211650	2016276963	2017306328	<b><u>A61N 1 /-</u></b>
<b><u>A23B 4 /-</u></b>	2019226277	2019219848	2016288240	<b><u>A61K 48 /-</u></b>	2016282210
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2015406654	<b><u>A47C 31 /-</u></b>	2018246212	2016319111	2016335731	<b><u>A61N 5 /-</u></b>
<b><u>A23C 19 /-</u></b>	2018331325	<b><u>A61C 17 /-</u></b>	2016323992	2017261249	2020289817
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2015406654	<b><u>A47C 27 /-</u></b>	2020200762	2016293125	2016374571	2019275638
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2015406654	<b><u>A47K 10 /-</u></b>	2016299226	2016323992	2015301014	2016293004
<b><u>A23J 3 /-</u></b>	2018414440	<b><u>A61F 2 /-</u></b>	2016338679	2015358493	2016335731
2016342157	<b><u>A47K 3 /-</u></b>	2016401146	2016355429	2016206950	2017371200
2017231925	2016236818	2017202939	2016355854	2016293004	<b><u>A61P 13 /-</u></b>
<b><u>A23L 13 /-</u></b>	<b><u>A47L 13 /-</u></b>	2017319330	2017257755	2016293125	2015349811
2015411555	2019226154	2018246212	2017274110	2016342157	2016335731
2017231925	<b><u>A61B 1 /-</u></b>	2018362081	2017282459	2018256263	<b><u>A61P 15 /-</u></b>
<b><u>A23L 17 /-</u></b>	2016236818	2018362092	2017284702	2019210511	2016335731
2016252884	2020202290	2019204766	2017286852	2015301014	<b><u>A61P 19 /-</u></b>
	2020217307	2019275574	2017371200	2015358493	2016335731
	<b><u>A61B 17 /-</u></b>	<b><u>A61F 5 /-</u></b>	2018256263	2016206950	<b><u>A61P 25 /-</u></b>
	2016236818	2016308086	2018319538	2016293004	
	2016252884	<b><u>A61F 7 /-</u></b>	2018404690	2016293125	
		2019219848	2019210511	2016342157	
		<b><u>A61F 9 /-</u></b>	2019257385	2018256263	
		2016322712	2019275638	2019210511	
			2020200499		
			<b><u>A61K 33 /-</u></b>		
			2016293004		
			<b><u>A61K 35 /-</u></b>		
			2015305449		
			2015348150		
			2015374062		
			2016262569		
			2016335731		
			2017353982		

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2017274110	<b><u>B01D 3 /-</u></b>	<b><u>B22F 9 /-</u></b>	2016406378	2018399202	<b><u>C07C 29 /-</u></b>
2017306328					
<b><u>A61P 29 /-</u></b>	2016223833	2017306328	<b><u>B60D 1 /-</u></b>	<b><u>B65D 6 /-</u></b>	2016223833
	<b><u>B01D 35 /-</u></b>	<b><u>B23K 5 /-</u></b>	2020267177	2015249053	<b><u>C07C 31 /-</u></b>
2019257385					
<b><u>A61P 3 /-</u></b>	2020202208	2019202930	<b><u>B60J 5 /-</u></b>	<b><u>B65D 65 /-</u></b>	2016223833
	<b><u>B01D 5 /-</u></b>	<b><u>B25F 5 /-</u></b>	2016231511	2016325872	<b><u>C07C 323 /-</u></b>
2017274110					
2019204594	2016380708	2018313025	<b><u>B60K 6 /-</u></b>	<b><u>B65D 81 /-</u></b>	2017298644
<b><u>A61P 31 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B25H 3 /-</u></b>	2016344735	2015249053	<b><u>C07C 59 /-</u></b>
				2016325872	
2016293004	2019272028	2018205101	<b><u>B60L 5 /-</u></b>		2016375581
2017286852	<b><u>B01J 20 /-</u></b>	<b><u>B26B 21 /-</u></b>	2015318811	<b><u>B65G 15 /-</u></b>	
2020200499					
<b><u>A61P 35 /-</u></b>	2016356603	2016211182	<b><u>B60M 1 /-</u></b>	2016332073	<b><u>C07D 207 /-</u></b>
	2016402526			2020202758	
2015305449	<b><u>B01L 1 /-</u></b>	<b><u>B29C 37 /-</u></b>	2015318811	<b><u>B65G 21 /-</u></b>	2016323992
2015315006					2016355854
2015341801	2016267591	2019299866	<b><u>B60P 1 /-</u></b>	2020202758	<b><u>C07D 209 /-</u></b>
2016207431					
2016335731	<b><u>B01L 3 /-</u></b>	<b><u>B29C 49 /-</u></b>	2019203945	<b><u>B65G 23 /-</u></b>	2017282459
2016338679					
2017274110	2015360401	2016276719	<b><u>B60P 3 /-</u></b>	2020202758	<b><u>C07D 211 /-</u></b>
2017284702					
2018319538	<b><u>B01L 9 /-</u></b>	<b><u>B29C 67 /-</u></b>	2016231511	<b><u>B65G 39 /-</u></b>	2017282459
2018404690					
2019272003	2018363712	2016212771	<b><u>B60Q 9 /-</u></b>	2020202758	<b><u>C07D 213 /-</u></b>
<b><u>A61P 37 /-</u></b>	<b><u>B02C 4 /-</u></b>	<b><u>B29C 70 /-</u></b>	2017419088	<b><u>B66F 9 /-</u></b>	2016323992
					2017298644
2016335731	2019362802	2015348344	<b><u>B60R 9 /-</u></b>	2016344735	<b><u>C07D 231 /-</u></b>
2019204594	<b><u>B03B 9 /-</u></b>	<b><u>B29L 31 /-</u></b>	2017419088	<b><u>B67D 1 /-</u></b>	
<b><u>A61P 43 /-</u></b>					2016272908
	2019226121	2016276719	<b><u>B60W 60 /-</u></b>	2020202208	2017371200
2016207431	<b><u>B03C 5 /-</u></b>	<b><u>B32B 15 /-</u></b>	2019240588	<b><u>B82Y 10 /-</u></b>	<b><u>C07D 239 /-</u></b>
2016355429					
2017282459	2016337513	2016325872	<b><u>B61L 27 /-</u></b>	2019283845	2017298644
<b><u>A61P 9 /-</u></b>	<b><u>B03D 1 /-</u></b>	<b><u>B32B 21 /-</u></b>	2016202101	<b><u>C01B 33 /-</u></b>	<b><u>C07D 241 /-</u></b>
2017274110	2016337513	2015348344	<b><u>B62D 35 /-</u></b>	2016406378	2017282459
<b><u>A62B 27 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B32B 25 /-</u></b>	2017368070	2019253873	<b><u>C07D 309 /-</u></b>
2019203974	2016341955	2019203109	<b><u>B63B 35 /-</u></b>	<b><u>C04B 18 /-</u></b>	2019208167
<b><u>A63C 17 /-</u></b>	2018205225	<b><u>B32B 27 /-</u></b>	2018376719	2017262533	<b><u>C07D 317 /-</u></b>
	<b><u>B05C 11 /-</u></b>	2016325872	<b><u>B64B 1 /-</u></b>	2017262533	2017247103
2015318149		2017269881			
<b><u>A63F 13 /-</u></b>	2020202208	<b><u>B32B 37 /-</u></b>	2020227011	<b><u>C07B 59 /-</u></b>	<b><u>C07D 401 /-</u></b>
	2020202476				
2017214748	<b><u>B05C 5 /-</u></b>	2015348344	<b><u>B65B 39 /-</u></b>	2016374571	2016276963
2019200879					2016355854
2019201140	2020202476	<b><u>B32B 5 /-</u></b>	2016276719	<b><u>C07C 13 /-</u></b>	2017371200
2019201171	<b><u>B05D 5 /-</u></b>	2015348344	<b><u>B65D 39 /-</u></b>	2017247103	2018317833
2019204818		2019203109			2018404690
<b><u>A63F 5 /-</u></b>	2016340034	<b><u>B33Y 10 /-</u></b>	2019221337	<b><u>C07C 23 /-</u></b>	2019257385
	<b><u>B21C 37 /-</u></b>				
2019201171		2016212771	<b><u>B65D 43 /-</u></b>	2017247103	<b><u>C07D 403 /-</u></b>
<b><u>B01D 21 /-</u></b>	2019202930	<b><u>B33Y 30 /-</u></b>	2015249053	<b><u>C07C 237 /-</u></b>	2017274110
	<b><u>B22F 1 /-</u></b>				
2016337513		2016212771	<b><u>B65D 51 /-</u></b>	2017257755	2019257385
<b><u>B01D 29 /-</u></b>	2017306328	2016212771		<b><u>C07C 245 /-</u></b>	<b><u>C07D 471 /-</u></b>
			2019221337		
2020202208		<b><u>B42D 25 /-</u></b>	<b><u>B65D 59 /-</u></b>	2016319111	2018319538

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<b><u>C07D 473 /-</u></b>	2016325872 2019203109	2016261315 2020233734	2016262569 2016289530 2016335731 2017353982 2017385766	<b><u>D21C 1 /-</u></b>	<b><u>E06B 11 /-</u></b>
2017247103	<b><u>C08K 9 /-</u></b>	<b><u>C09K 9 /-</u></b>		2016408287	2019283456
<b><u>C07D 487 /-</u></b>	2016339049	2017263107		<b><u>D21C 11 /-</u></b>	<b><u>E21B 10 /-</u></b>
2016338679 2016355854 2016374571 2017284702 2018319538	<b><u>C08L 23 /-</u></b>	<b><u>C10B 53 /-</u></b>	<b><u>C12N 9 /-</u></b>	2016408287	2017414097
<b><u>C07D 519 /-</u></b>	2016339049 2017266677	2015383974	2016262569 2020256314	<b><u>D21C 3 /-</u></b>	<b><u>E21B 17 /-</u></b>
2016338679	<b><u>C08L 75 /-</u></b>	<b><u>C10B 57 /-</u></b>	<b><u>C12P 17 /-</u></b>	2016408287	2016304907 2018354891
<b><u>C07F 9 /-</u></b>	2017211800	2015383974	2017218598	<b><u>D21C 7 /-</u></b>	<b><u>E21B 33 /-</u></b>
2017247103	<b><u>C09B 48 /-</u></b>	<b><u>C10G 1 /-</u></b>	<b><u>C12P 21 /-</u></b>	2016408287	2016269054 2017407830
<b><u>C07H 19 /-</u></b>	2018416405	2015383974	2016344030	<b><u>D21H 13 /-</u></b>	<b><u>E21B 34 /-</u></b>
2016355429 2017286852 2019208167 2020200499	<b><u>C09B 67 /-</u></b>	<b><u>C10G 3 /-</u></b>	<b><u>C12Q 1 /-</u></b>	2017270497	<b><u>E21B 34 /-</u></b>
<b><u>C07J 41 /-</u></b>	2018416405	2015383974	2015204819 2015219289 2016402526 2017353982	<b><u>D21H 21 /-</u></b>	2017407830
2019275638	<b><u>C09C 3 /-</u></b>	<b><u>C10G 75 /-</u></b>	<b><u>C21C 5 /-</u></b>	2017270497	<b><u>E21B 41 /-</u></b>
<b><u>C07K 14 /-</u></b>	2016339049	2016261315	2019240588	<b><u>E02F 3 /-</u></b>	2016261315 2017407830
2015301632 2016262569 2016344030 2017261249 2017271678 2017275184 2018253607 2019272003	<b><u>C09D 11 /-</u></b>	<b><u>C10L 5 /-</u></b>	<b><u>C21C 5 /-</u></b>	2019240588	<b><u>E21B 43 /-</u></b>
<b><u>C07K 16 /-</u></b>	2018416405	2019226121	2018381861	<b><u>E02F 9 /-</u></b>	2018298330
2015306621 2015315006 2015341801 2017271678 2018246873 2018297061 2019282671	<b><u>C09D 133 /-</u></b>	<b><u>C10L 9 /-</u></b>	<b><u>C22B 1 /-</u></b>	2019240588	<b><u>E21B 47 /-</u></b>
<b><u>C07K 19 /-</u></b>	2016340034	2019226121	2018218644	<b><u>E03B 3 /-</u></b>	2016304907
2017275184	<b><u>C09D 17 /-</u></b>	<b><u>C12C 11 /-</u></b>	<b><u>C22B 11 /-</u></b>	2016380708	<b><u>E21C 41 /-</u></b>
<b><u>C07K 19 /-</u></b>	2018416405	2017272785	2016224142	<b><u>E04F 13 /-</u></b>	2018413756 2018431390
2016406378 2017263107	<b><u>C09D 175 /-</u></b>	<b><u>C12G 3 /-</u></b>	<b><u>C22B 23 /-</u></b>	2015348344	<b><u>E21D 11 /-</u></b>
<b><u>C07K 7 /-</u></b>	2016340034 2017211800	2017272785 2017286947	2018218644	<b><u>E04G 21 /-</u></b>	<b><u>E21D 11 /-</u></b>
2016335731	<b><u>C09D 5 /-</u></b>	<b><u>C12H 6 /-</u></b>	<b><u>C22B 3 /-</u></b>	2019216711	2016202745
<b><u>C08G 67 /-</u></b>	2017211800	2017272785	2016224142	<b><u>E05B 13 /-</u></b>	<b><u>E21D 9 /-</u></b>
2016375581	<b><u>C09J 11 /-</u></b>	<b><u>C12M 1 /-</u></b>	<b><u>C22B 5 /-</u></b>	2016314778	2016378758
<b><u>C08K 13 /-</u></b>	2016346000	2020202476	2018218644 2018446161	<b><u>E05B 17 /-</u></b>	<b><u>F03D 3 /-</u></b>
2016339049	<b><u>C09K 11 /-</u></b>	<b><u>C12M 3 /-</u></b>	<b><u>C23C 28 /-</u></b>	2016314778	2019205022
<b><u>C08K 3 /-</u></b>	2016406378 2017263107	2016289530	2018335218	<b><u>E05B 27 /-</u></b>	<b><u>F03D 9 /-</u></b>
2017266677	<b><u>C09K 13 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>C23F 11 /-</u></b>	2016228881	2019205022
<b><u>C08K 5 /-</u></b>	2017211800	2017218598	2016261315	<b><u>E05B 47 /-</u></b>	<b><u>F03G 7 /-</u></b>
	<b><u>C09K 15 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>C25B 1 /-</u></b>	2020201194	2016384242
	2016325872	2016289530 2016335731 2016344030 2017261249 2017275184 2017353982 2018253630 2019250221 2019282671	2018335218	<b><u>E05D 3 /-</u></b>	<b><u>F04B 15 /-</u></b>
	<b><u>C09K 17 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C25B 11 /-</u></b>	2019283456	2018298330
	2016378758		2018335218	<b><u>E05D 5 /-</u></b>	<b><u>F04B 19 /-</u></b>
	<b><u>C09K 21 /-</u></b>		<b><u>C40B 40 /-</u></b>	2019283456	2016384242
	2019203109		2015301632	<b><u>E05D 7 /-</u></b>	<b><u>F04B 37 /-</u></b>
	<b><u>C09K 8 /-</u></b>		<b><u>D06F 35 /-</u></b>	2019283456	2018298330
			2020200690	<b><u>E05F 15 /-</u></b>	<b><u>F04B 43 /-</u></b>
		2015301014		2018248604	2018298330

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<b><u>F04D 17 /-</u></b>	<b><u>F24F 5 /-</u></b>	2019201976 2019240588	2020256373	<b><u>G02B 27 /-</u></b>	<b><u>G06F 21 /-</u></b>
2019204940	2016304219		<b><u>G01N 29 /-</u></b>	2016258618 2017214748	2016210661 2019219705 2019240576 2020201044 2020202851
<b><u>F04D 29 /-</u></b>	<b><u>F24F 6 /-</u></b>	<b><u>G01G 19 /-</u></b>	2016374474	<b><u>G02B 5 /-</u></b>	
2019204940	2016304219	2016212446	<b><u>G01N 33 /-</u></b>	2016258618	
<b><u>F16B 13 /-</u></b>	<b><u>F25B 21 /-</u></b>	<b><u>G01J 1 /-</u></b>	2014356428 2014369762 2015212908 2015301632 2016335731 2016356603 2016361420 2017353982 2020204374	<b><u>G02B 6 /-</u></b>	<b><u>G06F 3 /-</u></b>
2016365744	2017403917 2018234345	2015324000	<b><u>G01J 5 /-</u></b>	2015316832 2019201976	2017214748 2020201030 2020201629 2020202514
<b><u>F16B 37 /-</u></b>	<b><u>F25C 1 /-</u></b>	<b><u>G01K 1 /-</u></b>	2019219848	<b><u>G02C 5 /-</u></b>	
2019283456	2019299869	2015357340	<b><u>G01K 11 /-</u></b>	2016226534	<b><u>G06F 9 /-</u></b>
<b><u>F16G 1 /-</u></b>	<b><u>F25D 15 /-</u></b>	<b><u>G01L 11 /-</u></b>	2017403917 2018234345	<b><u>G03B 15 /-</u></b>	2017434691
2018260779	2017403917 2018234345	2016297671	<b><u>F25D 17 /-</u></b>	2018259895	<b><u>G06K 9 /-</u></b>
<b><u>F16G 3 /-</u></b>	<b><u>F25D 17 /-</u></b>	<b><u>G01L 13 /-</u></b>	2017403917 2018234345 2019240580	<b><u>G03B 17 /-</u></b>	2020200338
2016332073	2017403917 2018234345 2019240580	2016297671	<b><u>F25D 21 /-</u></b>	2015323594 2018259895	<b><u>G06N 99 /-</u></b>
<b><u>F16J 15 /-</u></b>	<b><u>F25D 21 /-</u></b>	<b><u>G01L 15 /-</u></b>	2016297671	<b><u>G03B 27 /-</u></b>	2017432809 2019283845
2017414097	2018234345	2016297671	<b><u>G01L 19 /-</u></b>	2016258618	<b><u>G06Q 10 /-</u></b>
<b><u>F16L 15 /-</u></b>	<b><u>F25D 23 /-</u></b>	<b><u>G01L 19 /-</u></b>	2016297671	<b><u>G03B 37 /-</u></b>	2018304331 2019219705 2020223734
2018354891	2017403917 2018248604	2016297671	<b><u>G01L 9 /-</u></b>	2018259895	<b><u>G06Q 20 /-</u></b>
<b><u>F16M 11 /-</u></b>	<b><u>F25D 27 /-</u></b>	<b><u>G01M 3 /-</u></b>	2016297671	<b><u>G03F 1 /-</u></b>	2019226230 2020201044
2015323594	2017403917	2016297671	<b><u>G01M 3 /-</u></b>	<b><u>G03F 7 /-</u></b>	<b><u>G06Q 40 /-</u></b>
<b><u>F21K 2 /-</u></b>	<b><u>F25D 27 /-</u></b>	<b><u>G01N 1 /-</u></b>	2016297671	2016340034	2019228483
2016406378	2017403917	2016330343 2019250221 2020202476 2020204374	<b><u>G01N 1 /-</u></b>	<b><u>G03H 1 /-</u></b>	<b><u>G06Q 50 /-</u></b>
<b><u>F21S 8 /-</u></b>	<b><u>F25D 29 /-</u></b>	2016297671 2016297681	<b><u>G01N 15 /-</u></b>	2016258618	2015342771 2018318833
2020273363	2018234345	2020202476	<b><u>G01N 21 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06Q 90 /-</u></b>
<b><u>F21V 29 /-</u></b>	<b><u>F27B 1 /-</u></b>	2016361420 2018363712 2018397466 2019201976 2020202476	<b><u>G01N 21 /-</u></b>	2018318833 2018383447 2019240588	2017442559
2016247786 2020273363	2018446161	2020202476	<b><u>G01S 5 /-</u></b>	<b><u>G06F 1 /-</u></b>	<b><u>G06T 7 /-</u></b>
<b><u>F21V 5 /-</u></b>	<b><u>F27D 1 /-</u></b>	2016361420 2018363712 2018397466 2019201976 2020202476	2018391812	2016283778	2015318811 2019226277 2020200338
2020273363	2018381861 2018446161	2014356428	<b><u>G01S 7 /-</u></b>	<b><u>G06F 11 /-</u></b>	<b><u>G07C 11 /-</u></b>
<b><u>F24C 7 /-</u></b>	<b><u>F41G 3 /-</u></b>	<b><u>G01N 24 /-</u></b>	2018383447	2016202576	2019226277
2015357340	2016224135	2014356428	<b><u>G01S 19 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G07C 9 /-</u></b>
<b><u>F24F 1 /-</u></b>	<b><u>F41H 1 /-</u></b>	<b><u>G01N 25 /-</u></b>	2016347539 2019240588	2020200584	2018251059
2016201967 2018399202	2019212108	2016356603 2016402526	<b><u>G01S 5 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G07F 17 /-</u></b>
<b><u>F24F 11 /-</u></b>	<b><u>F41J 1 /-</u></b>	2016356603 2016402526	<b><u>G01S 19 /-</u></b>	2018395920 2019232791 2019283975 2020200338	2018217542 2019201171
2018323394	2016224135	<b><u>G01N 27 /-</u></b>	2016219536	<b><u>G02B 1 /-</u></b>	<b><u>G08B 21 /-</u></b>
<b><u>F24F 13 /-</u></b>	<b><u>F41J 11 /-</u></b>	2016297681	<b><u>G01W 1 /-</u></b>	<b><u>G02B 21 /-</u></b>	2017442559
2018323394 2018399202	2016224135		2020227011	2018397466	
<b><u>F24F 140 /-</u></b>	<b><u>G01C 21 /-</u></b>		<b><u>G02B 1 /-</u></b>		
2018323394	2019240588		<b><u>G02B 21 /-</u></b>		
	<b><u>G01D 5 /-</u></b>				

Applications Accepted - IPC Index cont'd

<b><u>G08B 3 /-</u></b>	2016302168 2018397466	<b><u>H04L 1 /-</u></b>	<b><u>H04W 4 /-</u></b>
2017442559		2018274025	2018217542
<b><u>G08B 7 /-</u></b>	<b><u>H01L 39 /-</u></b>	2018341374	2018291851
2017442559	2017432809		2018313025
<b><u>G08G 1 /-</u></b>	<b><u>H01M 6 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04W 48 /-</u></b>
2018318833	2016220179	2018345429	2018313025
<b><u>G09B 9 /-</u></b>	<b><u>H01Q 1 /-</u></b>	2020202851	
2016224135	2015357340	<b><u>H04L 15 /-</u></b>	<b><u>H04W 52 /-</u></b>
	2019201459	2016202576	2018213552
<b><u>G09C 1 /-</u></b>	<b><u>H01Q 17 /-</u></b>	<b><u>H04L 29 /-</u></b>	<b><u>H04W 68 /-</u></b>
2019204723	2019201459	2016210661	2020203702
2019223507		2018324490	<b><u>H04W 72 /-</u></b>
<b><u>G16H 20 /-</u></b>	<b><u>H01Q 9 /-</u></b>	2018388719	2017246410
2019202073	2015357340	2019283975	
		2019370092	<b><u>H04W 74 /-</u></b>
<b><u>G16H 40 /-</u></b>	<b><u>H01R 4 /-</u></b>	<b><u>H04L 5 /-</u></b>	2020203702
2019202073	2018266556	2018341374	<b><u>H05K 3 /-</u></b>
			2018360520
<b><u>G21C 17 /-</u></b>	<b><u>H01R 43 /-</u></b>	<b><u>H04L 9 /-</u></b>	2019200578
2019206449	2018266556	2017423496	
2019206471		2018353923	<b><u>H05K 5 /-</u></b>
	<b><u>H01R 9 /-</u></b>	2019219705	2015249053
<b><u>G21F 1 /-</u></b>	2016200301	2019223507	
2016336036		2020201044	
	<b><u>H02J 3 /-</u></b>	<b><u>H04M 1 /-</u></b>	
<b><u>G21F 5 /-</u></b>	2018278210	2017402495	
2016336036			<b><u>H04N 17 /-</u></b>
<b><u>G21F 9 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04N 17 /-</u></b>	2017355533
2016336036	2016409604	<b><u>H04N 19 /-</u></b>	
	2018278210	2018230328	
<b><u>H01H 13 /-</u></b>	<b><u>H02M 1 /-</u></b>	2019205017	
2016306000	2016409604	<b><u>H04N 21 /-</u></b>	
		2017355533	
<b><u>H01H 31 /-</u></b>	<b><u>H02M 3 /-</u></b>	<b><u>H04N 5 /-</u></b>	
2019240163	2016409604	2018259895	
			<b><u>H04Q 9 /-</u></b>
<b><u>H01H 33 /-</u></b>	<b><u>H02M 7 /-</u></b>	<b><u>H04Q 9 /-</u></b>	2018313025
2015318811	2017376699	2019206449	2019206471
		2019206471	
<b><u>H01H 35 /-</u></b>	<b><u>H02S 20 /-</u></b>	<b><u>H04R 19 /-</u></b>	
2015346235	2016302168	2018414045	
			<b><u>H04W 12 /-</u></b>
<b><u>H01H 71 /-</u></b>	<b><u>H02S 40 /-</u></b>	<b><u>H04W 12 /-</u></b>	2019370092
2018357310	2016302168	<b><u>H04W 16 /-</u></b>	
<b><u>H01H 9 /-</u></b>	<b><u>H03K 17 /-</u></b>		
2015318811	2019283688		
<b><u>H01L 27 /-</u></b>	<b><u>H03K 3 /-</u></b>		
2017432809	2016283778		
<b><u>H01L 31 /-</u></b>	<b><u>H04B 7 /-</u></b>		
	2016347539		

**Certified Innovation Patents****Name Index**

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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(71) Moller, P.  
(11) AU-B-2020101774  
(21) 2020101774 (22) 12.08.2020  
(54) Tactile Ground Surface Indicator Applied Finishes  
(51) Int. Cl.  
E01C 9/00 ( 2006.01 )  
A61H 3/06 ( 2006.01 )  
E01C 5/16 ( 2006.01 )  
E01C 11/24 ( 2006.01 )  
(45) 06.05.2021  
(72) Moller, Paul Gerard  
(74) Paul Gerard Moller

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(71) Promat Australia Pty Ltd  
(11) AU-B-2020103870  
(21) 2020103870 (22) 03.12.2020  
(54) FIRE STOP SYSTEM AND METHOD OF CONSTRUCTING SUCH SYSTEM  
(51) Int. Cl.  
A62C 2/06 ( 2006.01 )  
F16L 5/04 ( 2006.01 )  
F16L 53/70 ( 2018.01 )  
F16L 57/04 ( 2006.01 )  
(45) 06.05.2021  
(62) 2018352297  
(72) Porter, Raymond; Colston, Rennie  
(74) Phillips Ormonde Fitzpatrick



**Numerical Index**

2020101774 Moller, P.  
2020103870 Promat Australia Pty Ltd

**IPC Index**

**A61H 3 /-**

2020101774

**A62C 2 /-**

2020103870

**E01C 11 /-**

2020101774

**E01C 5 /-**

2020101774

**E01C 9 /-**

2020101774

**F16L 5 /-**

2020103870

**F16L 53 /-**

2020103870

**F16L 57 /-**

2020103870

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2019283867 **ALLEGION (NEW ZEALAND) LIMITED** ( Assa Abloy  
New Zealand Limited )

**Patents Granted**

**Standard Patents**

2013403343	2014318614	2014331604	2014358862
2015200755	2015204491	2015212840	2015227693
2015249655	2015261556	2015273031	2015279251
2015283813	2015288899	2015301585	2015305782
2015307027	2015314830	2015317031	2015322125
2015327824	2015330889	2015341684	2015354845
2015356714	2015364688	2015369925	2015387368
2015400015	2015400016	2015410607	2016206568
2016207736	2016217963	2016219992	2016222794
2016224248	2016225736	2016231579	2016235457
2016248230	2016251899	2016253027	2016257291
2016260540	2016262499	2016265165	2016265539
2016268520	2016271967	2016271990	2016273953
2016278766	2016279096	2016287352	2016290577
2016291554	2016292362	2016292676	2016298435
2016304411	2016304787	2016306568	2016308696
2016308820	2016311382	2016313046	2016316954
2016317449	2016317605	2016321884	2016327260
2016340016	2016340264	2016346303	2016355263
2016359494	2016362654	2016375806	2016377664
2016380886	2016384589	2016392217	2016395428
2017207263	2017210232	2017213032	2017216875
2017218648	2017232361	2017236296	2017239770
2017240081	2017242357	2017253480	2017254713
2017255888	2017258559	2017266496	2017271613
2017277003	2017281742	2017285689	2017299983
2017305508	2017332452	2017335584	2017360666
2017382703	2017398137	2017399114	2017401084
2017410813	2017412687	2017422261	2018201646
2018210706	2018213353	2018213860	2018218656
2018230832	2018232971	2018242783	2018244212
2018253564	2018254591	2018256667	2018268783
2018269510	2018270129	2018270782	2018274826
2018274915	2018276725	2018282392	2018291864
2018292278	2018296984	2018298640	2018301671
2018335549	2018342342	2018346843	2018347202
2018348323	2018349732	2018355103	2018365237
2018373053	2019201709	2019201923	2019202103
2019202681	2019202904	2019202961	2019203443
2019203553	2019203561	2019203849	2019203859
2019203954	2019203986	2019204458	2019204730
2019205021	2019206053	2019206056	2019206068
2019206093	2019208215	2019210665	2019213376
2019213425	2019216644	2019216671	2019225446
2019226116	2019226138	2019226211	2019236689
2019236737	2019241284	2019246782	2019248524
2019253803	2019253908	2019261776	2019268085
2019272001	2019283921	2019284038	2020200136
2020200240	2020200979	2020201458	2020202235
2020202700	2020202883	2020204084	

**Innovation Patents**

2019101793	2020103757	2020103758	2020104405
2020104417	2021100005	2021100006	2021100357
2021100574	2021100602	2021100638	2021100669
2021100671	2021100714	2021100739	2021100745
2021100831	2021100836	2021100842	2021100851
2021100867	2021100869	2021100899	2021100903
2021100927	2021100943	2021100983	2021101000

**Patents Granted**

**Innovation Patents**

2021101006	2021101010	2021101014	2021101016
2021101017	2021101019	2021101023	2021101026
2021101031	2021101035	2021101075	2021101085
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2021101135	2021101136	2021101137	2021101138
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2021101254	2021101256	2021101257	2021101258
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2021101263	2021101264	2021101265	2021101267
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2021101297	2021101298	2021101300	2021101301
2021101304	2021101306	2021101308	2021101309
2021101314	2021101316	2021101317	2021101318
2021101320	2021101322	2021101323	2021101324

**Revocation**

It is hereby notified that as a consequence of a decision by the Commissioner dated 15.04.2021 , Patent 2016204210 in the name of **3M Innovative Properties Company** has been revoked in relation to a re examination and subsequent revocation under Section 101(1) of the Patents Act.

It is hereby notified that as a consequence of a decision by the Commissioner dated 16.04.2021 , Patent 2018100279 in the name of **Tastebuds of Australia Pty Ltd** has been revoked in relation to a re examination and subsequent revocation under Section 101J(3) of the Patents Act.

**Assignments Registered**

2002311439 Teletower.com Limited The patent has been assigned to **WERNER UK SALES & DISTRIBUTION LIMITED**

2002325192 Veloxis Pharmaceuticals A/S The patent has been assigned to **Veloxis Pharmaceuticals, Inc.**

2004267909 Veloxis Pharmaceuticals A/S The patent has been assigned to **Veloxis Pharmaceuticals, Inc.**

**Assignments Registered**

2004267910 Veloxis Pharmaceuticals A/S The patent has been assigned to **Veloxis Pharmaceuticals, Inc.**

2005256322 Veloxis Pharmaceuticals A/S The patent has been assigned to **Veloxis Pharmaceuticals, Inc.**

2006212855 The NanoSteel Company Inc. The patent has been assigned to **Lincoln Global Inc.**

2006279370 Matthews Resources, Inc. The patent has been assigned to **Matthews International Corporation**

2007275296 The NanoSteel Company, Inc. The patent has been assigned to **Lincoln Global Inc.**

2007325754 Minute Key Inc. The patent has been assigned to **The Hillman Group, Inc.**

2009215843 Radius Pharmaceuticals, Inc. The patent has been assigned to **Ellipses Pharma Ltd**

2010241415 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

2010282595 The NanoSteel Company, Inc. The patent has been assigned to **Lincoln Global Inc.**

2011252919 Rempex Pharmaceuticals, Inc. The patent has been assigned to **Melinta Therapeutics, Inc.**

2011261228 Minute Key Inc. The patent has been assigned to **The Hillman Group, Inc.**

2011289615 Rempex Pharmaceuticals, Inc. The patent has been assigned to **Melinta Therapeutics, Inc.**

2012213052 Teletower.com Limited The patent has been assigned to **WERNER UK SALES & DISTRIBUTION LIMITED**

2012244374 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

2012304259 Nangala Pty Ltd The patent has been assigned to **Uccello Marketing EU Limited**

2013203657 SIVACOE, Orlande The patent has been assigned to **Sivacoe, Luisa**

2013207997 Vermeer Manufacturing Company The patent has been assigned to **Fecon, LLC**

2013261144 Teletower.com Limited The patent has been assigned to **WERNER UK SALES & DISTRIBUTION LIMITED**

2013285077 Teletower.com Limited The patent has been assigned to **WERNER UK SALES & DISTRIBUTION LIMITED**

2013334273 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

2014262580 Matthews Resources, Inc. The patent has been assigned to **Matthews International Corporation**

2014281335 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

2014301777 Guangdong Xiangxue Life Sciences, Ltd. The patent has been assigned to **XLIFESC, LTD.**

2014314152 Promethera Biosciences S.A./N.V. The patent has been assigned to **Promethera Biosciences S.A./N.V.; Promethera Therapeutics SA**

**Assignments Registered**

2015249324 Varentec, Inc. The patent has been assigned to **Sentient Energy Technology, LLC**

2015333392 China University of Mining and Technology The patent has been assigned to **Xuzhou Kerui Mining Technology Co., Ltd.**

2015358511 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

2016201070 Varentec, Inc. The patent has been assigned to **Sentient Energy Technology, LLC**

2017204047 Guangdong Xiangxue Life Sciences, Ltd. The patent has been assigned to **XLIFESC, LTD.**

2017254822 Briggs & Stratton Corporation The patent has been assigned to **Briggs & Stratton, LLC**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2017204337 **Novartis AG**

The earliest first regulatory approval date provided by the patentee 16 Jan 2020

For the goods BEOVU brolocizumab

Address for service : Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2009258242 **The Scripps Research Institute**

The earliest first regulatory approval date provided by the patentee 07 Jul 2020

For the goods ZEPOSIA ozanimod

Extension of Term of patent pursuant to Section 77 expires on 14 May 2034

2015213309 **The Scripps Research Institute**

The earliest first regulatory approval date provided by the patentee 17 Jul 2020

For the goods ZEPOSIA ozanimod

Extension of Term of patent pursuant to Section 77 expires on 14 May 2034

**Corrigenda**

In Vol 35 , No 14 , Page(s) 3229 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Bewi Energy AS; Watkin, Tim, Application No. 2019377258, under INID (71) remove co-applicant Watkin, Tim

In Vol 35 , No 17 , Page(s) 3676 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2021** Delete all reference to 2021202063.

In Vol 35 , No 17 , Page(s) 3678 under the heading **Amendments - Application for Amendments** Under the name Otsuka Pharmaceutic-

**Corrigenda**

al Co., Ltd., Patent Application No. 2016341520 correct the date of the statements filed to 5 Feb 2021 and 29 Mar 2021

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2016349891 **Magic Leap, Inc.**  
2019203786 **Jand, Inc.**