



**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><br><u>No.</u> | <u>ITEM</u>  | <u>INID</u><br><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><br><u>No.</u> | <u>ITEM</u>                                     | <u>INID</u><br><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><br><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**

***CareFusion 303, Inc. [2021] APO 9***

Patent Application: 2014268799

Title: Component based aggregation of medical orders

Patent Applicant: CareFusion 303, Inc.

Delegate: Dr N. R. Madsen

Decision Date: 26 February 2021

Hearing Date: 14 September 2020, via videoconference

Catchwords: **PATENTS** – section 45 – examiner’s objection – whether invention is a manner of manufacture – whether claims are inventive – ordering medications – aggregation of orders from medical devices and adjacent display of related orders – invention in substance directed to a mere scheme – claimed invention not a manner of manufacture – opportunity to amend.

Representation: Patent attorneys for the applicant: Michelle Catto, Manuel Schmidt and Rachel Hooke from FB Rice

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***CareFusion 303, Inc.* [2021] APO 10**

Patent Application: 2014268801

Title: Medication delivery management

Patent Applicant: CareFusion 303, Inc.

Delegate: Dr N. R. Madsen

Decision Date: 26 February 2021

Hearing Date: 14 September 2020, via videoconference

Catchwords: **PATENTS** – section 45 – examiner’s objection – whether invention is a manner of manufacture – filling orders and delivering medications – alerting priority delivery of medications – allowability of amendments – invention in substance directed to a mere scheme – alleged invention not a manner of manufacture – opportunity to amend

Representation: Patent attorneys for the applicant: Michelle Catto, Manuel Schmidt and Rachel Hooke from FB Rice

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***CareFusion 303, Inc. [2021] APO 11***

Patent Application: 2014268828

Title: Medication preparation queue

Patent Applicant: CareFusion 303, Inc.

Delegate: Dr S.D. Barker - Deputy Commissioner of Patents

Decision Date: 26 February 2021

Hearing Date: 19 September 2020 by videoconference. Further written comments were filed on 2 October 2020.

Catchwords: **PATENTS** – examiner objection – manner of manufacture – balance of considerations indicates the substance of the invention as claimed is a scheme – opportunity to amend

Representation: Patent attorneys for the applicant: Rachel Hooke, Manuel Schmidt, Michelle Cato of FB Rice

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***CareFusion 303, Inc. [2021] APO 12***

Patent Application: 2014268829

Title: Medication retrieval optimization

Patent Applicant: CareFusion 303, Inc.

Delegate: Dr S.D. Barker - Deputy Commissioner of Patents

Decision Date: 26 February 2021

Hearing Date: 29 September 2020 by videoconference. Further written comments were filed on 2 October 2020.

Catchwords: **PATENTS** – examiner objection – manner of manufacture – balance of considerations indicates the substance of the invention as claimed is a scheme – opportunity to amend

Representation: Patent attorneys for the applicant: Rachel Hooke, Manuel Schmidt, Michelle Cato of FB Rice

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Dow AgroSciences LLC v Bayer Intellectual Property GmbH [2021] APO 13***

Patent Application: 2017204231

Title: Substituted picolinic acids and pyrimidine-4-carboxylic acids, method for the production thereof, and use thereof as herbicides and plant growth regulators

Patent Applicant: Bayer Intellectual Property GmbH

Opponent: Dow AgroSciences LLC

Delegate: Dr Leslie F. McCaffery, Deputy Commissioner of Patents

Decision Date: 2 March 2021

Hearing Date: Written submissions completed on 5 January 2021

Catchwords: **PATENTS** – allowability of amendments under subsections 102(1) and 102(2) – disclosure by Markush formulae – whether the skilled person would learn something from the specification as proposed to be amended that they would not learn from the specification as filed – amendments allowable – opposition unsuccessful – costs awarded.

Representation: Solicitors for the applicant: Davies Collison Cave Law  
Patent attorney for the applicant: Davies Collison Cave Pty Ltd  
Counsel for the opponent: Craig Smith  
Patent attorney for the opponent: FPA 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 23 Feb 2021 .

|   |  |  |
|---|--|--|
| (71) 4DMedical Limited<br>(21) 2021900488 (22) 23.02.2021<br>(54) METHOD FOR VALIDATING MEASUREMENT OF A MEDICAL SCAN   | (71) Austworld Commodities Pty Ltd<br>(21) 2021900504 (22) 24.02.2021<br>(54) RECREATIONAL VEHICLE ACCESSORY   | (71) Gandhum, J.S.<br>(21) 2021900516 (22) 25.02.2021<br>(54) Equipoise Cork Solutions Pty Ltd                                 |
| (71) Abra Aluminium Pty Ltd<br>(21) 2021900467 (22) 22.02.2021<br>(54) Screen frame element   | (71) Baker IDI Heart and Diabetes Institute Holdings Limited<br>(21) 2021900511 (22) 25.02.2021<br>(54) C-REACTIVE PROTEIN INHIBITORS  | (71) Gomaa, M.; Jabi, W.<br>(21) 2021900513 (22) 25.02.2021<br>(54) Dual-Piston Extrusion system for 3DP Earth-based Materials |
| (71) Agriculture Victoria Services Pty Ltd.<br>(21) 2021900518 (22) 25.02.2021<br>(54) BACTERIA CONFERRING BIOPROTECTION AND/OR BIOFERTILIZER PROPERTIES  | (71) Beets, D.<br>(21) 2021900509 (22) 25.02.2021<br>(54) Bag securement apparatus and a method of utilisation thereof   | (71) Gomez, R.<br>(21) 2021900376 (22) 15.02.2021<br>(54) Additions to room size Unipolar Electrolyser                         |
| (71) Amos, T.<br>(21) 2021900464 (22) 22.02.2021<br>(54) User-designed personalised search web-based platform for products and services   | (71) Biotome Pty Ltd; Vivocens AB<br>(21) 2021900506 (22) 24.02.2021<br>(54) Peptides and their use in diagnosis of SARS-CoV-2 infection   | <b>Holt, M. see Hoogesteger, C.</b><br>(21) 2021900510   |
| (71) Andrew<br>(21) 2021900491 (22) 24.02.2021<br>(54) Air Intake Scoop to fit 2015 Mustang onwards. Molded by use of CAD to fit contours of body and when fitted concaves into the body of the vehicle. The Scoop is approximately 500mm X 300 MM X 150mm. The sccop has been designed using the Mustang Logo. | (71) Bower, G.; Kirkman, T.<br>(21) 2021900520 (22) 25.02.2021<br>(54) An audio-visual analysing system for automated presentation delivery feedback generation  | (71) Hoogesteger, C.; Holt, M.<br>(21) 2021900510 (22) 25.02.2021<br>(54) A dual control truck                                 |
| (71) Aquila Active Health Care Pty Ltd<br>(21) 2021900519 (22) 25.02.2021<br>(54) Method for Emptying and Changing an Attached Ostomy Pouch   | (71) Ceres Tag Pty Ltd<br>(21) 2021900489 (22) 23.02.2021<br>(54) IMPROVED ANIMAL COLLAR ASSEMBLY  | <b>Hu, P. see Zheng, M.</b><br>(21) 2021900466   |
| (71) Aurora IP Ltd<br>(21) 2021900472 (22) 22.02.2021<br>(54) VEHICULAR COLLISION AVOIDANCE DEVICES AND SYSTEMS   | (71) Cumpson, P.<br>(21) 2021900515 (22) 25.02.2021<br>(54) A method and software system for easier registration of plural or multiple images, for example from different kinds of microscope, each microscope being under computer control. | (71) IGO Limited<br>(21) 2021900505 (22) 24.02.2021<br>(54) Extraction Process   |
| (71) Face Safe Holdings Pty Ltd<br>(21) 2021900463 (22) 22.02.2021<br>(54) A safety apparatus for use in longwall mining  | (71) Impact Import Group Pty Ltd<br>(21) 2021900462 (22) 22.02.2021<br>(54) A STORAGE SYSTEM SUITABLE FOR INSTALLATION IN OR ON A VEHICLE  | (71) Irvine, A.<br>(21) 2021900483 (22) 23.02.2021<br>(54) Mobile Healthcare Facility  |
|   |  | <b>Jabi, W. see Gomaa, M.</b><br>(21) 2021900513   |



Provisional Applications Filed - Name Index cont'd

**Khoja, A. see Zheng, M.**  
(21) 2021900466

**Kirkman, T. see Bower, G.**  
(21) 2021900520

(71) LANCE MALCOLM VATER  
(21) 2021900482 (22) 23.02.2021  
(54) A CLAMP ARRANGEMENT CLAMPABLE TO AN END OF A POST OR RAIL USED IN A BALUSTRADE AND/OR FENCING STRUCTURE

(71) Leane, P.  
(21) 2021900433 (22) 19.02.2021  
(54) MAGNETICALLY COUPLED RIFLING; that generates a stabilizing gyroscopic spin to a projectile within a smooth bore gun barrel. The stabilizing spin is created by the use of magnetic coupling from an external helix of permanent or electro magnets, the magnets are offset to create the desired spin rate.

(71) Macquarie University  
(21) 2021900476 (22) 23.02.2021  
(54) Mixer for radio frequency signals

(71) Mammalis Bio-Analytics Pty Ltd  
(21) 2021900503 (22) 24.02.2021  
(54) A health management system

(71) Medlab IP Pty Ltd  
(21) 2021900459 (22) 22.02.2021  
(54) Combination therapy

(71) Mercer, I.  
(21) 2021900517 (22) 25.02.2021  
(54) Interlocking Modular Surfboard System

(71) Mooney, C.  
(21) 2021900512 (22) 25.02.2021  
(54) A shopping cart and checkout controller subsystem for an e-commerce platform

(71) Morozov, I.  
(21) 2021900478 (22) 23.02.2021  
(54) AN IMPROVED ADJUSTABLE WALL STUD

(71) MORSE MICRO PTY. LTD.  
(21) 2021900495 (22) 24.02.2021  
(54) A DIGITAL PHASE-LOCKED LOOP WITH FAST OUTPUT FREQUENCY DIGITAL CONTROL

(71) Neurode Pty Ltd  
(21) 2021900473 (22) 22.02.2021  
(54) Apparatus, systems and methods for treatment of symptoms of neurological conditions

(71) NewSouth Innovations Pty Limited  
(21) 2021900470 (22) 22.02.2021  
(54) Metallization for silicon solar cells

(71) NewSouth Innovations Pty Limited  
(21) 2021900471 (22) 22.02.2021  
(54) A system and method for detecting the presence of an oligonucleotide analyte

(71) NICOLOPOULOS, V.J.  
(21) 2021900481 (22) 23.02.2021  
(54) Allergen indication method, system and indicium

**Northern Sydney Local Health District see The University of Sydney**  
(21) 2021900465

**Northern Sydney Local Health District see The University of Sydney**  
(21) 2021900468

(71) Omni Group Pty Ltd  
(21) 2021900460 (22) 22.02.2021  
(54) DEVICE, SYSTEM, METHOD AND PRODUCT FOR STRETCH WRAPPING

(71) packard, t.  
(21) 2021900469 (22) 22.02.2021  
(54) Safety Electrical Power Point Switch

(71) Paris, M.  
(21) 2021900490 (22) 23.02.2021  
(54) Implanted Electric Conductor

(71) Ramos Caiado Rodrigues, F.  
(21) 2021900414 (22) 18.02.2021  
(54) CYBER BIKE™

(71) Rekordio Pty Ltd  
(21) 2021900477 (22) 23.02.2021  
(54) Video compression method

(71) Rig Technologies International Pty Ltd  
(21) 2021900486 (22) 23.02.2021  
(54) Percussion Drilling Apparatus and Method for Measurement while Drilling

(71) Rig Technologies International Pty Ltd  
(21) 2021900487 (22) 23.02.2021  
(54) Percussion Drilling Apparatus and Torque Transferring Method

(71) Rig Technologies Pty Ltd  
(21) 2021900484 (22) 23.02.2021  
(54) Percussion Drilling Apparatus and Method (with Damper)

(71) Rig Technologies Pty Ltd  
(21) 2021900485 (22) 23.02.2021  
(54) Percussion Drilling Apparatus and Method (with Channels)

(71) Robert Bosch (Australia) Pty Ltd  
(21) 2021900480 (22) 23.02.2021  
(54) OVERVOLTAGE PROTECTION WITH FIELD EFFECT TRANSISTOR

(71) Servatus Ltd  
(21) 2021900454 (22) 22.02.2021  
(54) Methods for improving sleep quality

(71) SoilCQuest PTY LTD  
(21) 2021900474 (22) 22.02.2021  
(54) Treatments and methods for carbon capture

(71) Studt, F.  
(21) 2021900427 (22) 18.02.2021  
(54) "TRAMBER" is an innovative transmitter and receiver which increases the length of warning of the traditional amber traffic light signal exclusively to vehicles requiring a greater stopping distance, to reduce the risk associated with the dilemma zone.

(71) The Remediation Group Pty Ltd  
(21) 2021900475 (22) 23.02.2021  
(54) System, apparatus and method for landfill gas sensing

(71) The University of Queensland  
(21) 2021900479 (22) 23.02.2021  
(54) Microwave Circulator

(71) The University of Queensland  
(21) 2021900492 (22) 24.02.2021  
(54) Phononic circuit components

(71) The University of Sydney; Northern Sydney Local Health District  
(21) 2021900465 (22) 22.02.2021  
(54) Wound healing methods

(71) The University of Sydney; Northern Sydney Local Health District  
(21) 2021900468 (22) 22.02.2021  
(54) Wound healing compositions

## Provisional Applications Filed - Name Index cont'd

(71) University of Technology Sydney  
(21) 2021900502 (22) 24.02.2021  
(54) Scalable and deterministic fabrication of  
quantum emitter arrays

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**Vivocens AB see Biotome Pty Ltd**  
(21) 2021900506

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(71) Voltrex Pty Ltd  
(21) 2021900493 (22) 24.02.2021  
(54) Circuit Testing Apparatus

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(71) Whitford Grove Pty Ltd  
(21) 2021900514 (22) 25.02.2021  
(54) Method for Determining the Viricidal  
Activity of a Composition

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**Yunting, L. see Zheng, M.**  
(21) 2021900466

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(71) Zheng, M.; Yunting, L.; Khoja, A.; Hu, P.  
(21) 2021900466 (22) 22.02.2021  
(54) AN ENERGY CALCULATION PLATE

Numerical Index

|            |   |
|------------|---|
| 2021900376 | Gomez, R.   |
| 2021900414 | Ramos Caiado Rodrigues, F.                                      |
| 2021900427 | Studt, F.   |
| 2021900433 | Leane, P.   |
| 2021900454 | Servatus Ltd  |
| 2021900459 | Medlab IP Pty Ltd   |
| 2021900460 | Omni Group Pty Ltd  |
| 2021900462 | Impact Import Group Pty Ltd                                     |
| 2021900463 | Face Safe Holdings Pty Ltd                                      |
| 2021900464 | Amos, T.  |
| 2021900465 | The University of Sydney; Northern Sydney Local Health District |
| 2021900466 | Zheng, M.; Yunting, L.; Khoja, A.; Hu, P.                       |
| 2021900467 | Abra Aluminium Pty Ltd  |
| 2021900468 | The University of Sydney; Northern Sydney Local Health District |
| 2021900469 | packard, t.   |
| 2021900470 | NewSouth Innovations Pty Limited                                |
| 2021900471 | NewSouth Innovations Pty Limited                                |
| 2021900472 | Aurora IP Ltd   |
| 2021900473 | Neurode Pty Ltd   |
| 2021900474 | SoilCQuest PTY LTD  |
| 2021900475 | The Remediation Group Pty Ltd                                   |
| 2021900476 | Macquarie University  |
| 2021900477 | Rekordio Pty Ltd  |
| 2021900478 | Morozov, I.   |
| 2021900479 | The University of Queensland                                    |
| 2021900480 | Robert Bosch (Australia) Pty Ltd                                |
| 2021900481 | NICOLOPOULOS, V.J.  |
| 2021900482 | LANCE MALCOLM VATER   |
| 2021900483 | Irvine, A.  |
| 2021900484 | Rig Technologies Pty Ltd  |
| 2021900485 | Rig Technologies Pty Ltd  |
| 2021900486 | Rig Technologies International Pty Ltd                          |
| 2021900487 | Rig Technologies International Pty Ltd                          |
| 2021900488 | 4DMedical Limited   |
| 2021900489 | Ceres Tag Pty Ltd   |
| 2021900490 | Paris, M.   |
| 2021900491 | Andrew  |
| 2021900492 | The University of Queensland                                    |
| 2021900493 | Voltrex Pty Ltd   |
| 2021900495 | MORSE MICRO PTY. LTD.   |
| 2021900502 | University of Technology Sydney                                 |
| 2021900503 | Mammalis Bio-Analytics Pty Ltd                                  |
| 2021900504 | Austworld Commodities Pty Ltd                                   |
| 2021900505 | IGO Limited   |
| 2021900506 | Biotome Pty Ltd; Vivocens AB                                    |
| 2021900509 | Beets, D.   |
| 2021900510 | Hoogesteger, C.; Holt, M.                                       |
| 2021900511 | Baker IDI Heart and Diabetes Institute Holdings Limited         |
| 2021900512 | Mooney, C.  |
| 2021900513 | Gomaa, M.; Jabi, W.   |
| 2021900514 | Whitford Grove Pty Ltd  |
| 2021900515 | Cumpson, P.   |
| 2021900516 | Gandhum, J.S.   |
| 2021900517 | Mercer, I.  |
| 2021900518 | Agriculture Victoria Services Pty Ltd.                          |
| 2021900519 | Aquila Active Health Care Pty Ltd                               |
| 2021900520 | Bower, G.; Kirkman, T.  |

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 23 Feb 2021 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

|   |   |   |
|---|---|---|
| <hr/> <p>(71) 2C Holdings Pty Ltd<br/>(21) 2021201189 (22) 24.02.2021<br/>(54) A pipe wear monitoring system and method of use thereof<br/>(62) 2020233677</p> <hr/> <p>(71) 3D Glass Solutions, Inc.<br/>(21) 2021201253 (22) 26.02.2021<br/>(54) 2D AND 3D RF LUMPED ELEMENT DEVICES FOR RF SYSTEM IN A PACKAGE PHOTOACTIVE GLASS SUBSTRATES<br/>(62) 2018297035</p> <hr/> <p>(71) Acceleron Pharma, Inc.<br/>(21) 2021201185 (22) 24.02.2021<br/>(54) Methods and compositions for treating ulcers<br/>(62) 2015274277</p> <hr/> <p>(71) Acceleron Pharma, Inc.<br/>(21) 2021201196 (22) 24.02.2021<br/>(54) Methods and compositions for increasing red blood cells<br/>(62) 2018202326</p> <hr/> <p>(71) Acres Technology<br/>(21) 2021201268 (22) 26.02.2021<br/>(54) Systems to Facilitate Communication with Casino Employees and Players and to Log Data Related to Employee Work<br/>(62) 2018282322</p> <hr/> <p>(71) Afton Chemical Corporation<br/>(21) 2021201153 (22) 22.02.2021<br/>(54) SYNERGISTIC DISPERSANTS<br/>(62) 2017202987</p> <hr/> <p>(71) Allergan Industrie, SAS<br/>(21) 2021201247 (22) 25.02.2021<br/>(54) Hyaluronic acid based formulations<br/>(62) 2019203264</p> <hr/> <p>(71) Amicus Therapeutics Inc.<br/>(21) 2021201208 (22) 24.02.2021<br/>(54) ASSAYS FOR DIAGNOSING AND EVALUATING TREATMENT OPTIONS FOR FABRY DISEASE<br/>(62) 2019226136</p> <hr/> | <p>(71) Anglo American Services (UK) Ltd<br/>(21) 2021201293 (22) 26.02.2021<br/>(54) Processing of laterite ores<br/>(62) 2019204341</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2021201167 (22) 23.02.2021<br/>(54) User interfaces for capturing and managing visual media<br/>(62) 2020277216</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2021201243 (22) 25.02.2021<br/>(54) Continuity<br/>(62) 2018271366</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2021201276 (22) 26.02.2021<br/>(54) User interfaces for store-value accounts<br/>(62) 2017324176</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2021201295 (22) 26.02.2021<br/>(54) Creative camera<br/>(62) 2019266049</p> <hr/> <p>(71) Aptevo Research and Development LLC<br/>(21) 2021201261 (22) 26.02.2021<br/>(54) Single-chain multivalent binding proteins with effector function<br/>(62) 2018267609</p> <hr/> <p>(71) Arbutus Biopharma Corporation<br/>(21) 2021201228 (22) 25.02.2021<br/>(54) Improved lipid formulation<br/>(62) 2019204984</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited<br/>(21) 2021201214 (22) 24.02.2021<br/>(54) ELECTRONIC GAMING SYSTEM WITH DYNAMIC RETURN TO PLAYER AND METHOD OF USE<br/>(62) 2019202723</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited<br/>(21) 2021201300 (22) 26.02.2021<br/>(54) A METHOD OF GAMING, A GAME CONTROLLER, A GAMING DEVICE AND A GAMING SYSTEM<br/>(62) 2019202927</p> <hr/> | <hr/> <p>(71) Arizona Board of Regents on behalf of Arizona State University<br/>(21) 2021201325 (22) 01.03.2021<br/>(54) Systems and methods for generating liquid water from air<br/>(62) 2015349722</p> <hr/> <p>(71) Auvenco Pty Ltd<br/>(21) 2021201288 (22) 26.02.2021<br/>(54) COMPOSITE STRUCTURAL MEMBER FOR A BUILDING STRUCTURE<br/>(62) 2016200130</p> <hr/> <p><b>Baxalta GmbH see Baxalta Incorporated</b><br/>(21) 2021201307</p> <hr/> <p>(71) Baxalta Incorporated; Baxalta GmbH<br/>(21) 2021201307 (22) 01.03.2021<br/>(54) POOLING DEVICE FOR SINGLE OR MULTIPLE CONTAINERS<br/>(62) 2016278966</p> <hr/> <p>(71) Bayer CropScience Aktiengesellschaft<br/>(21) 2021201187 (22) 24.02.2021<br/>(54) 2-(het)aryl-substituted condensed heterocyclic derivatives as pest control agents<br/>(62) 2016307233</p> <hr/> <p>(71) Bayer CropScience Aktiengesellschaft<br/>(21) 2021201188 (22) 24.02.2021<br/>(54) 2-(het)aryl-substituted condensed heterocyclic derivatives as pest control agents<br/>(62) 2016307233</p> <hr/> <p>(71) Besim Pty Ltd<br/>(21) 2021201262 (22) 26.02.2021<br/>(54) Thermally insulating material<br/>(62) 2016273411</p> <hr/> <p>(71) Beth Israel Deaconess Medical Center, Inc.; Children's Medical Center Corporation<br/>(21) 2021201217 (22) 25.02.2021<br/>(54) PRODUCTS AND METHODS TO ISOLATE MITOCHONDRIA<br/>(62) 2015274367</p> <hr/> <p>(71) BLACKPOT PTY LTD; Rudd, C.E.<br/>(21) 2021201178 (22) 24.02.2021</p> |
|---|---|---|

Complete Applications Filed - Name Index cont'd

(54) TheEND Game it describes a sidebet for Roulette in casino electronic machines, on-line roulette games and casino roulette games.

**BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM see CASE WESTERN RESERVE UNIVERSITY**  
(21) 2021201332

(71) Boehringer Ingelheim Vetmedica GmbH  
(21) 2021201224 (22) 25.02.2021  
(54) PRRS virus variant, European PRRS virus cDNA clone, and uses thereof  
(62) 2014369774

(71) BRISTOL-MYERS SQUIBB COMPANY  
(21) 2021201231 (22) 25.02.2021  
(54) ANTIBODIES TO TIGIT  
(62) 2015369683

(71) Britax Römer Kindersicherheit GmbH  
(21) 2021201210 (22) 24.02.2021  
(54) CHILD SAFETY SEAT

(71) Britax Römer Kindersicherheit GmbH  
(21) 2021201211 (22) 24.02.2021  
(54) CHILD RESTRAINT

(71) Brooks, K.  
(21) 2021201154 (22) 22.02.2021  
(54) Rainwater Harvesting  
(31) 2020901304 (32) 24.04.20 (33) AU

**Burnham Institute for Medical Research see Dana-Farber Cancer Institute, Inc.**  
(21) 2021201294

(71) Cantor Index LLC  
(21) 2021201193 (22) 24.02.2021  
(54) SYSTEM AND METHOD FOR CONDUCTING A JACKPOT RACE EVENT  
(62) 2019201118

(71) Cardoso II, J.  
(21) 2021201273 (22) 26.02.2021  
(54) Detachably attachable implement scraper  
(31) 16/810,888 (32) 06.03.20 (33) US

(71) CASE WESTERN RESERVE UNIVERSITY; BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM  
(21) 2021201332 (22) 02.03.2021  
(54) COMPOSITIONS AND METHODS OF MODULATING SHORT-CHAIN DEHYDROGENASE ACTIVITY  
(62) 2019202208

(71) Caterpillar Global Mining Equipment LLC  
(21) 2021201203 (22) 24.02.2021  
(54) DECK WRENCH DISENGAGE WITH PIPE UNSCREWED INTERLOCK  
(31) 16/811,866 (32) 06.03.20 (33) US

(71) Collectis  
(21) 2021201200 (22) 24.02.2021  
(54) Methods for engineering allogeneic and immunosuppressive resistant T cell for immunotherapy  
(62) 2018236867

(71) Cenergy Solutions Inc.  
(21) 2021201306 (22) 01.03.2021  
(54) INCREASED STORAGE CAPACITY OF GAS IN PRESSURE VESSELS  
(62) 2016233609

(71) Centinel Spine, LLC  
(21) 2021201282 (22) 26.02.2021  
(54) Spinal implants configured for tissue sparing angle of insertion and related methods  
(62) 2016246067

(71) CFPH, LLC  
(21) 2021201175 (22) 23.02.2021  
(54) GAME WITH PLAYER ACTUATED CONTROL STRUCTURE  
(62) 2019280103

(71) CFPH, LLC  
(21) 2021201327 (22) 02.03.2021  
(54) ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS INVOLVING INTERPROGRAM OR INTERPROCESS COMMUNICATION REGARDING AMUSEMENT DEVICES AND GAMES  
(62) 2019200235

**Children's Medical Center Corporation see Beth Israel Deaconess Medical Center, Inc.**  
(21) 2021201217

(71) Chugai Seiyaku Kabushiki Kaisha  
(21) 2021201173 (22) 23.02.2021  
(54) Antigen-binding molecules, the antigen-binding activity of which varies according to the concentration of compounds, and libraries of said molecules  
(62) 2014358191

(71) ConocoPhillips Company  
(21) 2021201238 (22) 25.02.2021  
(54) CONTROLLED SPACED STREAMER ACQUISITION  
(62) 2015289676

(71) Consensus Orthopedics, Inc.  
(21) 2021201226 (22) 25.02.2021  
(54) Systems and methods for monitoring an orthopedic implant and rehabilitation  
(62) 2016235325

(71) Cooper-Atkins Corporation  
(21) 2021201316 (22) 01.03.2021  
(54) BRACKET FOR TEMPERATURE SENSOR

(71) CORTEC GMBH  
(21) 2021201181 (22) 24.02.2021  
(54) System and method for neurostimulation  
(62) 2016271878

(71) Crane Payment Innovations Limited  
(21) 2021201318 (22) 01.03.2021  
(54) Method and apparatus for money item processing  
(62) 2017369833

(71) CSR Building Products Limited  
(21) 2021201287 (22) 26.02.2021  
(54) Coloured Fibre-Cement Panels  
(31) 2020900556 (32) 26.02.20 (33) AU

(71) Cytoimmune Therapeutics, LLC  
(21) 2021201329 (22) 02.03.2021  
(54) FLT3 DIRECTED CAR CELLS FOR IMMUNOTHERAPY  
(62) 2016326721

(71) DAERYUK CAN CO., LTD.  
(21) 2021201304 (22) 28.02.2021  
(54) FLOW-BLOCKING SAFETY VALVE TO PREVENT EXPLOSION OF PORTABLE GAS CONTAINER  
(31) KR (32) 31.03.20 (33) KR  
10-2020-003888

(71) Dana-Farber Cancer Institute, Inc.  
(21) 2021201265 (22) 26.02.2021  
(54) XBP1, CD138, and CS1 peptides, pharmaceutical compositions that include the peptides, and methods of using such peptides and compositions  
(62) 2018260912

(71) Dana-Farber Cancer Institute, Inc.; Burnham Institute for Medical Research  
(21) 2021201294 (22) 26.02.2021  
(54) Antibodies against influenza virus and methods of use thereof  
(62) 2019204310

(71) DANISCO US INC.  
(21) 2021201263 (22) 26.02.2021

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(54) METHODS FOR IMPROVING BY-PRODUCTS FROM FERMENTATION PROCESSES USING XYLANASE  
(62) 2015211376

(71) Deere & Company  
(21) 2021201235 (22) 25.02.2021  
(54) Agricultural sprayer active boom center frame positioning system  
(31) 17/178,526 (32) 18.02.21 (33) US  
62/985,132 04.03.20 US

(71) Deere & Company  
(21) 2021201236 (22) 25.02.2021  
(54) Pendulum boom suspension  
(31) 17/181,274 (32) 22.02.21 (33) US  
62/985,060 04.03.20 US

(71) Deere & Company  
(21) 2021201314 (22) 01.03.2021  
(54) Walking track system of an agricultural implement  
(31) 16/838,260 (32) 02.04.20 (33) US

(71) Dexcom, Inc.  
(21) 2021201183 (22) 24.02.2021  
(54) Time averaged basal rate optimizer  
(62) 2019202128

(71) Dexcom, Inc.  
(21) 2021201309 (22) 01.03.2021  
(54) Systems and methods for providing sensitive and specific alarms  
(62) 2019204190

(71) DSM IP Assets B.V.  
(21) 2021201179 (22) 24.02.2021  
(54) Computer-based method for determining a sunscreen composition comprising a plurality of UV filter substances  
(31) 20 166 726.8 (32) 30.03.20 (33) EP

(71) EFTsure Pty Ltd  
(21) 2021201156 (22) 22.02.2021  
(54) Online Payment Authentication Method & System  
(62) 2015263828

(71) Eiger Group International, Inc.  
(21) 2021201234 (22) 25.02.2021  
(54) USE OF CHLOROQUINE AND CL-EMIZOLE COMPOUNDS FOR TREATMENT OF INFLAMMATORY AND CANCEROUS CONDITIONS  
(62) 2016288699

(71) Evonik Operations GmbH  
(21) 2021201255 (22) 26.02.2021  
(54) Polyfunctional alcohols as cross-linkers in PMI foams  
(62) 2016321800

(71) Fada Pty Ltd  
(21) 2021201340 (22) 02.03.2021  
(54) A Method for Environmental Land Management  
(31) 2020900770 (32) 13.03.20 (33) AU

(71) Fehr, T.M.  
(21) 2021201213 (22) 24.02.2021  
(54) APPARATUSES AND METHODS FOR DRYING HAY BALES  
(31) 3,076,779 (32) 24.03.20 (33) CA

(71) Fiberlean Technologies Limited  
(21) 2021201286 (22) 26.02.2021  
(54) Paper and paperboard products  
(62) 2019284017

(71) Fisher & Paykel Healthcare Limited  
(21) 2021201222 (22) 25.02.2021  
(54) Usability features for respiratory humidification system  
(62) 2018223031

(71) Fisher & Paykel Healthcare Limited  
(21) 2021201223 (22) 25.02.2021  
(54) BREATHING ASSISTANCE APPARATUS USER INTERFACE  
(62) 2019204410

(71) Fisher & Paykel Healthcare Limited  
(21) 2021201267 (22) 26.02.2021  
(54) Patient interface with venting  
(62) 2020204010

(71) Fisher & Paykel Healthcare Limited  
(21) 2021201281 (22) 26.02.2021  
(54) MEDICAL TUBES AND METHODS OF MANUFACTURE  
(62) 2018247230

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2021201305 (22) 01.03.2021  
(54) IMPELLER AND MOTOR ASSEMBLY  
(62) 2018203077

(71) Flexopack S.A.  
(21) 2021201215 (22) 25.02.2021  
(54) THIN FILM FOR WASTE PACKING CASSETTES  
(31) 20215130.4 (32) 17.12.20 (33) EP

(71) Ford Global Technologies, LLC  
(21) 2021201285 (22) 26.02.2021  
(54) A Retaining Clip For A Door Assembly  
(62) 2016247094

(71) FORMA Therapeutics, Inc.  
(21) 2021201244 (22) 25.02.2021

(54) Pyrrolopyrrole compositions as pyruvate kinase (PKR) activators  
(62) 2019206013

(71) Fung, J.  
(21) 2021201201 (22) 24.02.2021  
(54) Mesh reinforced dental crown

(71) Gardiner, W.  
(21) 2021201180 (22) 24.02.2021  
(54) Rifle aiming rest apparatus  
(31) 2020900667 (32) 05.03.20 (33) AU

(71) Gavish-Galilee Bio Applications, Ltd  
(21) 2021201168 (22) 23.02.2021  
(54) Optimized polypeptide for a subunit vaccine against avian reovirus  
(62) 2017204942

(71) Georgia State University Research Foundation  
(21) 2021201207 (22) 24.02.2021  
(54) ANTI-ANGIOGENIC AGENT AND METHOD OF USING SUCH AGENT  
(62) 2019202174

(71) GE Video Compression, LLC  
(21) 2021201291 (22) 26.02.2021  
(54) Context initialization in entropy coding  
(62) 2019203279

(71) GlaxoSmithKline Biologicals SA  
(21) 2021201233 (22) 25.02.2021  
(54) VACCINES FOR NEISSERIA GONORRHOEA  
(62) 2017321039

(71) Grand Performance Online Pty Ltd  
(21) 2021201199 (22) 24.02.2021  
(54) A computer-enabled method, system and computer program for providing an intuitive user interface arranged to create a dynamic product list integrable into a service provision process to perform the task of delivering a complex service and managing an associated transaction  
(62) 2020200621

(71) Grand Performance Online Pty Ltd  
(21) 2021201204 (22) 24.02.2021  
(54) A computer-enabled method, system and computer program for monitoring a plurality of gaming machines and other games of chance, and providing a booking and monitoring service for gaming enthusiasts and gaming venues  
(62) 2020200610

(71) Grand Performance Online Pty Ltd  
(21) 2021201205 (22) 24.02.2021

Complete Applications Filed - Name Index cont'd

- (54) A computer-enabled method system and computer program for generating a dynamic user interface for use by a user in the allocation of a space, furniture, equipment or service  
(62) 2020200607
- 
- (71) H. LUNDBECK A/S  
(21) 2021201227 (22) 25.02.2021  
(54) PDE9 inhibitors with imidazo triazinone backbone and imidazo pyrazinone backbone for treatment of peripheral diseases  
(62) 2016289856
- 
- (71) Halliburton Energy Services, Inc.  
(21) 2021201206 (22) 24.02.2021  
(54) Releasable connection mechanism for use within a well  
(62) 2017272167
- 
- (71) Henley, K.  
(21) 2021201144 (22) 22.02.2021  
(54) Sea Light Protector 06
- 
- (71) Henley, K.  
(21) 2021201146 (22) 22.02.2021  
(54) Sea Light Protector 05
- 
- (71) Henley, K.  
(21) 2021201151 (22) 22.02.2021  
(54) Sea Light Protector 01
- 
- (71) Hepworth, b.  
(21) 2021201299 (22) 26.02.2021  
(54) Hyflo co2 ring
- 
- (71) HFI Innovation Inc.  
(21) 2021201240 (22) 25.02.2021  
(54) Method of sub-prediction unit inter-view motion prediction in 3D video coding  
(62) 2019201221
- 
- Hohmann, F. see Hohmann, J.  
(21) 2021201216
- 
- (71) Hohmann, J.; Hohmann, F.  
(21) 2021201216 (22) 25.02.2021  
(54) METHOD FOR TIGHTENING SCREWED CONNECTIONS, MULTI-SCREWING DEVICE  
(31) 10 2020 105 104.2 (32) 27.02.20 (33) DE
- 
- (71) Honeywell International Inc.  
(21) 2021201270 (22) 26.02.2021  
(54) Apparatus and method for controlling an industrial process on model-based controller performance  
(62) 2018285617
- 
- (71) Howmedica Osteonics Corp.,  
(21) 2021201283 (22) 26.02.2021  
(54) System and method for predicting tissue integrity  
(62) 2017200034
- 
- (71) Hubbell Incorporated  
(21) 2021201290 (22) 26.02.2021  
(54) Light fixture having fixed angular position and lamp module for light fixtures  
(62) 2015259411
- 
- (71) Illinois Tool Works Inc.  
(21) 2021201323 (22) 01.03.2021  
(54) Locating jig for drilling holes in truss members  
(31) 2020900798 (32) 16.03.20 (33) AU
- 
- (71) Illumina, Inc.  
(21) 2021201245 (22) 25.02.2021  
(54) Compositions, systems, and methods for detecting events using tethers anchored to or adjacent to nanopores  
(62) 2015271824
- 
- (71) Institute of Geology and Geophysics, Chinese Academy of Sciences  
(21) 2021201296 (22) 26.02.2021  
(54) METHOD FOR DETERMINING THE CONTENT OF NATURAL GAS IN MEDIUM- OR LOW-MATURE FINE-GRAINED ROCK  
(31) 202010713981.X (32) 22.07.20 (33) CN
- 
- (71) Integral Property Australia Pty Ltd; Tyche Australia Pty Ltd  
(21) 2021201194 (22) 24.02.2021  
(54) Rend R Wall
- 
- (71) Intuit Inc.  
(21) 2021201246 (22) 25.02.2021  
(54) Systems and methods for identifying and explaining schema errors in the computerized preparation of a payroll tax form  
(62) 2019201302
- 
- (71) J.C. Bamford Excavators Ltd  
(21) 2021201277 (22) 26.02.2021  
(54) A WORKING MACHINE  
(31) 2002998.9 (32) 02.03.20 (33) GB
- 
- (71) Janssen Vaccines & Prevention B.V.  
(21) 2021201330 (22) 02.03.2021  
(54) Stabilized viral class I fusion proteins  
(62) 2016316723
- 
- (71) K2M, Inc.  
(21) 2021201171 (22) 23.02.2021  
(54) CORPECTOMY DEVICE AND METHOD OF USE THEREOF  
(62) 2016324333
- 
- (71) KAT CONCRETE PUMPING PTY LTD  
(21) 2021201230 (22) 25.02.2021  
(54) STABILISATION SAFETY SYSTEM AND DEVICE  
(31) 2020900572 (32) 27.02.20 (33) AU
- 
- Kennard, N.R. see Kennard, G.  
(21) 2021201315
- 
- (71) Kennard, G.; Velit Group Pty Ltd; Kennard, N.R.  
(21) 2021201315 (22) 01.03.2021  
(54) NoSpill: A multi purpose holder and insert, used for the transportation of, but not restricted to, pool chlorine, pool acid, LPG gas bottles, Paint containers and other containers. Also used for holder / support at home, office or on a food truck.
- 
- (71) KONE CORPORATION  
(21) 2021201170 (22) 23.02.2021  
(54) AN ELEVATOR CAR ROOF SYSTEM AND A CONTROL SYSTEM FOR MONITORING AN OPENING STATE OF AN ELEVATOR CAR ROOF  
(31) 20160224.0 (32) 28.02.20 (33) EP
- 
- (71) Lakewood Amedex, Inc.  
(21) 2021201251 (22) 26.02.2021  
(54) Antimicrobial compounds, compositions, and uses thereof  
(62) 2018230805
- 
- (71) Leica Biosystems Melbourne Pty Ltd  
(21) 2021201311 (22) 01.03.2021  
(54) INSTRUMENT MANAGEMENT SYSTEM  
(62) 2015318798
- 
- (71) LG Electronics Inc.  
(21) 2021201232 (22) 25.02.2021  
(54) Washing machine  
(62) 2017385896
- 
- (71) LG ELECTRONICS INC.  
(21) 2021201225 (22) 25.02.2021  
(54) STACK-TYPE LAUNDRY TREATING APPARATUS  
(31) 10-2020-0023778 (32) 26.02.20 (33) KR  
10-2020-0132486 14.10.20 KR
- 
- (71) LG ELECTRONICS INC.  
(21) 2021201319 (22) 01.03.2021  
(54) CLEANING APPARATUS  
(62) 2019271879
- 
- (71) LTA Research and Exploration, LLC  
(21) 2021201212 (22) 24.02.2021

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(54) METHODS AND APPARATUS FOR  
CONSTRUCTING AIRSHIPS  
(62) 2018352102

LU, H.S. see SHIAO, W.C.  
(21) 2021201254

(71) Lycopodium Minerals Pty Ltd  
(21) 2021201301 (22) 27.02.2021  
(54) Low Headroom Jaw Crushing Facility  
(31) 2020902426 (32) 14.07.20 (33) AU

Mandawewala, K.A. see Mandawewala, A.  
(21) 2021201250

(71) Mandawewala, A.; Mandawewala, K.A.  
(21) 2021201250 (22) 25.02.2021  
(54) POLYMERIC YARN, COMPOSITION  
AND METHOD  
(31) 202021034915 (32) 13.08.20 (33) IN

(71) mangos, T.  
(21) 2021201248 (22) 25.02.2021  
(54) a display home/unit in a shipping con-  
tainer  
(31) UNKNOWN (32) 25.02.21 (33) AU

(71) Medtronic PS Medical, Inc.  
(21) 2021201264 (22) 26.02.2021  
(54) Surgical burs with geometries having  
non-drifting and soft tissue protective  
characteristics  
(62) 2019206060

(71) Merck Sharp & Dohme B.V.  
(21) 2021201289 (22) 26.02.2021  
(54) Backstop for a syringe  
(62) 2016282742

(71) Minelab Electronics Pty. Limited  
(21) 2021201284 (22) 26.02.2021  
(54) AN ANTENNA OF A METAL DETECT-  
OR  
(31) 2020900585 (32) 28.02.20 (33) AU

(71) MTD Products Inc  
(21) 2021201174 (22) 23.02.2021  
(54) UTILITY VEHICLE  
(62) 2016271322

(71) MX Technologies Inc.  
(21) 2021201221 (22) 25.02.2021  
(54) Distributed, decentralized data aggreg-  
ation  
(62) 2019204495

(71) National University of Singapore  
(21) 2021201241 (22) 25.02.2021

(54) Methods and compositions for modulat-  
ing TH-GM cell function  
(62) 2015322125

(71) Northrop Grumman Systems Corpora-  
tion  
(21) 2021201266 (22) 26.02.2021  
(54) Method of forming a superconductor in-  
terconnect structure  
(62) 2017366449

(71) NuVasive Specialized Orthopedics, Inc.  
(21) 2021201182 (22) 24.02.2021  
(54) BONE GROWTH DEVICE AND METH-  
OD  
(62) 2019200227

(71) OE Electrics Limited  
(21) 2021201219 (22) 25.02.2021  
(54) Improvements to apparatus and a  
method to a charger assembly to facil-  
itate electrical device charging and/or  
operation  
(62) 2016272531

(71) Oticon Medical A/S  
(21) 2021201186 (22) 24.02.2021  
(54) Implantable Hearing Aid System Com-  
prising a Wireless Transcutaneous Link  
(31) 20160040.0 (32) 28.02.20 (33) EP

(71) Palo Alto Research Center Incorpor-  
ated  
(21) 2021201322 (22) 01.03.2021  
(54) METHODS AND SYSTEMS FOR DE-  
TERMINING A CONTROL LOAD US-  
ING STATISTICAL ANALYSIS  
(31) 16/821,356 (32) 17.03.20 (33) US

(71) Paradigm BioPharmaceuticals Ltd.  
(21) 2021201198 (22) 24.02.2021  
(54) Treatment of bone marrow pathologies  
with polysulfated polysaccharides  
(62) 2018309566

(71) Petrolia Nasional Berhad (Petronas)  
(21) 2021201334 (22) 02.03.2021  
(54) A degradation agent and method of  
preparation thereof  
(62) 2019210653

(71) Phil and Teds Design Limited  
(21) 2021201176 (22) 24.02.2021  
(54) A Baby Carrier  
(62) 2015316232

(71) Phoenix Biotechnology, Inc.  
(21) 2021201209 (22) 24.02.2021  
(54) Method and compositions for treating  
coronavirus infection  
(62) 2020220204

(71) Polaris IP Pty Ltd  
(21) 2021201278 (22) 26.02.2021  
(54) Hinge  
(62) 2017201858

(71) Poly-clip System GmbH & Co. KG  
(21) 2021201298 (22) 26.02.2021  
(54) Four clip clipping machine  
(31) 16/805,296 (32) 28.02.20 (33) US

(71) President and Fellows of Harvard Col-  
lege  
(21) 2021201257 (22) 26.02.2021  
(54) CAS9 VARIANTS AND USES THERE-  
OF  
(62) 2019201488

(71) President and Fellows of Harvard Col-  
lege; The General Hospital Corporation;  
The Children's Medical Center Corpora-  
tion  
(21) 2021201328 (22) 02.03.2021  
(54) Compositions and methods for non-my-  
eloablative conditioning  
(62) 2016246707

(71) Principia Biopharma, Inc.  
(21) 2021201177 (22) 24.02.2021  
(54) Processes for preparing an FGFR in-  
hibitor  
(62) 2016304852

(71) Prysmian S.p.A.  
(21) 2021201326 (22) 02.03.2021  
(54) CABLES WITH IMPROVED COVER-  
INGS TO REDUCE SHRINKBACK  
AND METHODS OF FORMING THE  
SAME  
(31) 16/832,499 (32) 27.03.20 (33) US

(71) Rearden, LLC  
(21) 2021201184 (22) 24.02.2021  
(54) SYSTEMS AND METHODS FOR MAP-  
PING VIRTUAL RADIO INSTANCES  
INTO PHYSICAL VOLUMES OF CO-  
HERENCE IN DISTRIBUTED AN-  
TENNA WIRELESS SYSTEMS  
(62) 2019200838

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2021201239 (22) 25.02.2021  
(54) METHODS AND COMPOSITIONS  
FOR TARGETED GENETIC MODIFIC-  
ATIONS AND METHODS OF USE  
(62) 2015279642

(71) Regents of the University of Minnesota  
(21) 2021201313 (22) 01.03.2021  
(54) BIOCONTAINMENT/BIOCONTROL  
SYSTEM AND METHODS  
(62) 2016353057



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**Rudd, C.E. see BLACKPOT PTY LTD**

(21) 2021201178

(71) Salesforce.com, Inc.

(21) 2021201242 (22) 25.02.2021

(54) Quasi-recurrent neural network

(62) 2017355535

(71) Saluda Medical Pty Ltd

(21) 2021201010 (22) 16.02.2021

(54) ELECTRODE TO NERVE DISTANCE ESTIMATION

(62) 2016245335

(71) Salvaro, M.

(21) 2021201279 (22) 26.02.2021

(54) Vacuum pump, particularly for apparatuses for food preservation

(31) 102020000004513 (32) 04.03.20 (33) IT

(71) Salvaro, M.

(21) 2021201331 (22) 02.03.2021

(54) Apparatus for the vacuum packaging of food

(31) 102020000004519 (32) 04.03.20 (33) IT

(71) Schneider Electric Industries SAS

(21) 2021201292 (22) 26.02.2021

(54) NEUTRAL LINE OVERLAPPING MECHANISM AND DUAL-POWER AUTOMATIC TRANSFER SWITCH INCLUDING THE SAME

(31) 202020222633.8 (32) 27.02.20 (33) CN

(71) SHAABAN, A.F.; THANDRA, V.

(21) 2021201197 (22) 24.02.2021

(54) IMPROVED SYSTEM AND METHOD FOR ALLOCATING VALUE TO TIME-KEEPER WORK

(62) 2015284127

(71) SHAABAN, A.F.; THANDRA, V.

(21) 2021201312 (22) 01.03.2021

(54) SYSTEM AND METHOD FOR ALLOCATING VALUE TO TIMEKEEPER WORK

(62) 2015284128

(71) SHAABAN, A.F.; THANDRA, V.

(21) 2021201324 (22) 01.03.2021

(54) IMPROVED CLIENT ENTRY AND MAINTENANCE SYSTEM FOR TIME-KEEPING AND BILLING FOR PROFESSIONAL SERVICES SYSTEM AND METHOD

(62) 2015284126

(71) SHIAO, W.C.; Super Aqua International Co., Ltd.; LU, H.S.

(21) 2021201254 (22) 26.02.2021

(54) Hypochlorous Acid Disinfectant and its Production Method

(31) 109106362 (32) 27.02.20 (33) TW

(71) Shire Human Genetic Therapies, Inc.

(21) 2021201220 (22) 25.02.2021

(54) CNS DELIVERY OF MRNA AND USES THEREOF

(62) 2014340149

(71) Slog Pty Ltd

(21) 2021201258 (22) 26.02.2021

(54) AN ONLINE SYSTEM FOR EMPLOYMENT OF TEMPORARY EMPLOYEES

(62) 2018282481

**Smith & Nephew, Inc. see Smith & Nephew Asia Pacific Pte. Limited**

(21) 2021201202

(71) Smith & Nephew Asia Pacific Pte. Limited; Smith & Nephew Orthopaedics AG; Smith & Nephew, Inc.

(21) 2021201202 (22) 24.02.2021

(54) ANCHOR DELIVERY SYSTEMS

(31) 62/993,322 (32) 23.03.20 (33) US  
63/009,632 14.04.20 US

**Smith & Nephew Orthopaedics AG see Smith & Nephew Asia Pacific Pte. Limited**

(21) 2021201202

(71) Snap-on Incorporated

(21) 2021201297 (22) 26.02.2021

(54) Adjustable pliers

(62) 2019201402

(71) SOLCERA

(21) 2021201256 (22) 26.02.2021

(54) Low-drift flat-jet spray nozzle

(31) 2002021 (32) 28.02.20 (33) FR

(71) Splunk Inc.

(21) 2021201308 (22) 01.03.2021

(54) REAL-TIME REPORTING BASED ON INSTRUMENTATION OF SOFTWARE

(62) 2015328574

(71) Square, Inc.

(21) 2021201280 (22) 26.02.2021

(54) Appointment and payment handling

(62) 2018260870

(71) Steele, M.

(21) 2021201252 (22) 26.02.2021

(54) Package valve closure system and method

(62) 2016244961

(71) Stryker Corporation

(21) 2021201169 (22) 23.02.2021

(54) Systems and methods for robotic surgery

(62) 2019275554

(71) Stryker Corporation

(21) 2021201269 (22) 26.02.2021

(54) Assembly for positioning a sterile surgical drape relative to optical position sensors

(62) 2019202526

(71) Sunovion Pharmaceuticals Inc.

(21) 2021201259 (22) 26.02.2021

(54) SUBLINGUAL APOMORPHINE

(62) 2019200308

**Super Aqua International Co., Ltd. see SHIAO, W.C.**

(21) 2021201254

(71) Synexis LLC

(21) 2021201333 (22) 02.03.2021

(54) APPLICATION OF DRY HYDROGEN PEROXIDE (DHP) GAS TO METHODS OF POULTRY PRODUCTION

(62) 2018205385

(71) Syngenta Crop Protection AG

(21) 2021201272 (22) 26.02.2021

(54) Melon cultivars ME466, ME467, ME468, ME469, ME470 and ME480

(31) 16/802,681 (32) 27.02.20 (33) US

**THANDRA, V. see SHAABAN, A.F.**

(21) 2021201197

**THANDRA, V. see SHAABAN, A.F.**

(21) 2021201312

**THANDRA, V. see SHAABAN, A.F.**

(21) 2021201324

(71) The Boeing Company

(21) 2021201191 (22) 24.02.2021

(54) Cross-layer design for closed loop feedback in a wireless network

(31) 16/816,087 (32) 11.03.20 (33) US

**The Children's Medical Center Corporation see President and Fellows of Harvard College**

(21) 2021201328

(71) The Clever Baby, LLC

(21) 2021201192 (22) 24.02.2021

(54) Feeding, teething, and/or entertaining device

(31) 16/811,836 (32) 06.03.20 (33) US

Complete Applications Filed - Name Index cont'd

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(71) The General Hospital Corporation  
 (21) 2021201157 (22) 23.02.2021  
 (54) SYNTHESIS OF NITRIC OXIDE GAS  
 FOR INHALATION  
 (62) 2018206762

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**The General Hospital Corporation see  
 President and Fellows of Harvard College**  
 (21) 2021201328

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(71) TREACE MEDICAL CONCEPTS, INC.  
 (21) 2021201237 (22) 25.02.2021  
 (54) Bone plating system and method  
 (62) 2016205290

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(71) Turntide Technologies Inc.  
 (21) 2021201190 (22) 24.02.2021  
 (54) Method and apparatus for quasi-  
 sensorless adaptive control of switched  
 reluctance motor drives  
 (62) 2019271913

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**Tyche Australia Pty Ltd see Integral Prop-  
 erty Australia Pty Ltd**  
 (21) 2021201194

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(71) Ulab Systems, Inc.  
 (21) 2021201260 (22) 26.02.2021  
 (54) Combined orthodontic movement of  
 teeth with airway development therapy  
 (62) 2017332257

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(71) Umealu, S.  
 (21) 2021201303 (22) 28.02.2021  
 (54) Incomplete Combustion as a means  
 of eliminating/reducing Carbon dioxide  
 (CO<sub>2</sub>) emission and generating renew-  
 able energy

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**Velit Group Pty Ltd see Kennard, G.**  
 (21) 2021201315

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(71) VHS IP Pty Ltd  
 (21) 2021201302 (22) 28.02.2021  
 (54) Process for exposing underground util-  
 ities  
 (62) 2014262181

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(71) Wing Aviation LLC  
 (21) 2021201195 (22) 24.02.2021  
 (54) Methods and systems for sharing an  
 airspace wide unmanned aircraft sys-  
 tem database across a plurality of ser-  
 vice suppliers  
 (62) 2018282185

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(71) WINITECH CO.,LTD.  
 (21) 2021201155 (22) 22.02.2021

(54) DISASTER SITE INTEGRATED COM-  
 MANDING AND OPERATING SYSTEM  
 AND METHOD OF PROVIDING THE  
 SAME  
 (31) 10-2020-0028040 (32) 06.03.20 (33) KR

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(71) WIREMAN PTY LIMITED  
 (21) 2021201320 (22) 01.03.2021  
 (54) Ameliorating Erosion  
 (31) 2020900717 (32) 09.03.20 (33) AU

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(71) Xencor, Inc.  
 (21) 2021201249 (22) 25.02.2021  
 (54) Bispecific Antibodies That Bind To  
 CD38 and CD3  
 (62) 2015237184

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(71) Year Tsai Enterprise Co., Ltd.  
 (21) 2021201229 (22) 25.02.2021  
 (54) WATER DISCHARGE DEVICE

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(71) ZTE Corporation  
 (21) 2021201172 (22) 23.02.2021  
 (54) Systems and methods for performing  
 carrier aggregation in sidelink commu-  
 nications  
 (62) 2017433873

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| 2021201151 | Henley, K.   | 2021201227 | H. LUNDBECK A/S   |
| 2021201153 | Afton Chemical Corporation   | 2021201228 | Arbutus Biopharma Corporation                             |
| 2021201154 | Brooks, K.   | 2021201229 | Year Tsai Enterprise Co., Ltd.                            |
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| 2021201181 | CORTEC GMBH  | 2021201247 | Allergan Industrie, SAS                                   |
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| 2021201188 | Bayer CropScience Aktiengesellschaft   | 2021201254 | SHIAO, W.C.; Super Aqua International Co., Ltd.; LU, H.S. |
| 2021201189 | 2C Holdings Pty Ltd  | 2021201255 | Evonik Operations GmbH                                    |
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| 2021201197 | SHAABAN, A.F.; THANDRA, V.   | 2021201263 | DANISCO US INC.   |
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| 2021201203 | Caterpillar Global Mining Equipment LLC  | 2021201269 | Stryker Corporation                                       |
| 2021201204 | Grand Performance Online Pty Ltd   | 2021201270 | Honeywell International Inc.                              |
| 2021201205 | Grand Performance Online Pty Ltd   | 2021201272 | Syngenta Crop Protection AG                               |
| 2021201206 | Halliburton Energy Services, Inc.  | 2021201273 | Cardosa II, J.  |
| 2021201207 | Georgia State University Research Foundation   | 2021201276 | Apple Inc.  |
| 2021201208 | Amicus Therapeutics Inc.   | 2021201277 | J.C. Bamford Excavators Ltd                               |
| 2021201209 | Phoenix Biotechnology, Inc.  | 2021201278 | Polaris IP Pty Ltd  |
| 2021201210 | Britax Römer Kindersicherheit GmbH   | 2021201279 | Salvaro, M.   |
| 2021201211 | Britax Römer Kindersicherheit GmbH   | 2021201280 | Square, Inc.  |
| 2021201212 | LTA Research and Exploration, LLC  | 2021201281 | Fisher & Paykel Healthcare Limited                        |
| 2021201213 | Fehr, T.M.   | 2021201282 | Centinel Spine, LLC                                       |
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| 2021201215 | Flexopack S.A.   | 2021201284 | Minelab Electronics Pty. Limited                          |
| 2021201216 | Hohmann, J.; Hohmann, F.   | 2021201285 | Ford Global Technologies, LLC                             |
| 2021201217 | Beth Israel Deaconess Medical Center, Inc.; Children's Medical Center Corporation              | 2021201286 | Fiberlean Technologies Limited                            |
| 2021201219 | OE Electrics Limited   | 2021201287 | CSR Building Products Limited                             |
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| 2021201221 | MX Technologies Inc.   | 2021201289 | Merck Sharp & Dohme B.V.                                  |
| 2021201222 | Fisher & Paykel Healthcare Limited   | 2021201290 | Hubbell Incorporated                                      |
| 2021201223 | Fisher & Paykel Healthcare Limited   | 2021201291 | GE Video Compression, LLC                                 |
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| 2021201295 | Apple Inc.  |
| 2021201296 | Institute of Geology and Geophysics, Chinese Academy of Sciences  |
| 2021201297 | Snap-on Incorporated  |
| 2021201298 | Poly-clip System GmbH & Co. KG  |
| 2021201299 | Hepworth, b.  |
| 2021201300 | Aristocrat Technologies Australia Pty Limited   |
| 2021201301 | Lycopodium Minerals Pty Ltd   |
| 2021201302 | VHS IP Pty Ltd  |
| 2021201303 | Umealu, S.  |
| 2021201304 | DAERYUK CAN CO., LTD.   |
| 2021201305 | FISHER & PAYKEL HEALTHCARE LIMITED  |
| 2021201306 | Cenergy Solutions Inc.  |
| 2021201307 | Baxalta Incorporated; Baxalta GmbH  |
| 2021201308 | Splunk Inc.   |
| 2021201309 | Dexcom, Inc.  |
| 2021201311 | Leica Biosystems Melbourne Pty Ltd  |
| 2021201312 | SHAABAN, A.F.; THANDRA, V.  |
| 2021201313 | Regents of the University of Minnesota  |
| 2021201314 | Deere & Company   |
| 2021201315 | Kennard, G.; Velit Group Pty Ltd; Kennard, N.R.   |
| 2021201316 | Cooper-Atkins Corporation   |
| 2021201318 | Crane Payment Innovations Limited   |
| 2021201319 | LG ELECTRONICS INC.   |
| 2021201320 | WIREMAN PTY LIMITED   |
| 2021201322 | Palo Alto Research Center Incorporated  |
| 2021201323 | Illinois Tool Works Inc.  |
| 2021201324 | SHAABAN, A.F.; THANDRA, V.  |
| 2021201325 | Arizona Board of Regents on behalf of Arizona State University  |
| 2021201326 | Prysmian S.p.A.   |
| 2021201327 | CFPH, LLC   |
| 2021201328 | President and Fellows of Harvard College; The General Hospital Corporation; The Children's Medical Center Corporation |
| 2021201329 | Cytoimmune Therapeutics, LLC  |
| 2021201330 | Janssen Vaccines & Prevention B.V.  |
| 2021201331 | Salvaro, M.   |
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| 2021201334 | Petroliam Nasional Berhad (Petronas)  |
| 2021201340 | Fada Pty Ltd  |

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| 2020902421   | 14.07.20 | AU | <b>Byreddy, N. see K, V.S.M.B.</b><br>(21) 2021100745  | <b>China Coal Technology Engineering Group Chongqing Research Institute see Huaibei Coal Co., Ltd.</b><br>(21) 2021100935   |
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| (71) AUSICO PTY LTD<br>(21) 2021100908 (22) 17.02.2021<br>(54) Improved wine (beer) or beverage cooler bag ( Temperature maintaining bag)  |          |    | <b>C.K.Jha, C. see SHARMA, K.</b><br>(21) 2021100684   | (71) China National Institute of Standardization<br>(21) 2021100974 (22) 22.02.2021<br>(54) Method for Preparing High-Purity Troponin from Shrimp Muscle Tissues  |
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| <b>B., S.B. see T., S.</b><br>(21) 2021100960  |          |    | (71) Centratech Systems PTY LTD<br>(21) 2021100900 (22) 16.02.2021<br>(54) UNIVERSAL HARDWARE RF I.O.T CONNECTION : This invention allows the IOT hardware apparatus to provides IOT RAW data to any server or cloud system. The one hardware platform can connect to server or cloud via pluggable hardware modules for 2G, 3G, 4G, 5G and Satellite communications world wide. The universal SMA connector can connector to different Types and Frequencies of Antennas or Aerials . | <b>Choudhary, P. see Durachman, Y.</b><br>(21) 2021100736   |
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| <b>BODADE, V. see DESHPANDE, A.W.</b><br>(21) 2021100883   |          |    | <b>Chhawchharia, P. see R, V.</b><br>(21) 2021100913   | (71) CYCLINGDEAL USA, INC.<br>(21) 2021100944 (22) 19.02.2021<br>(54) ADAPTOR FOR BICYCLE SHOES   |
| (71) Brown Brown Lloyd Unit Trust; French, M.<br>(21) 2021100874 (22) 12.02.2021<br>(54) The Carry Handle is a universal handle that can be secured to any box or object using straps to allow the user to carry the object using the handles. |          |    | <b>China Coal Technology Engineering Group Chongqing Research Institute see Huaibei Coal Co., Ltd.</b><br>(21) 2021100934  | <b>Daniel, D.A.P. see GEDAM, R.</b>   |
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(71) DESHPANDE, A.W.; SALUNKHE, S.S.; PARAB, M.A.; KOLI, V.R.; PATIL, N.N.; DESURKAR, V.; MALLIWAL, A.; BODADE, V.; VYAWAHARE, V.S.

(21) 2021100883 (22) 13.02.2021

(54) Fuzzy Logic Based Automatic Intravenous Anesthesia Delivery and Monitoring System

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(71) Devarajan, B.; K, B.; M, V.K.; K, A.; E, M.; K, P.R.; R, P.; E R, L.P.; L, M.A.; P, M.K.; P, M.J.S.

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(71) DSM IP Assets B.V.

(21) 2021100940 (22) 19.02.2021

(54) FORMULATIONS FOR IMPROVING GUT HEALTH

(62) 2019328475

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(71) Durachman, Y.; Binoj, J.S.; Deshmukh, R.G.; Totewad, N.D.; Agarwal, A.; Choudhary, P.; Jain, P.K.; Singh, S.; Isankar, R.D.; Waghmare, S.A.

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(71) Evacusmart IP Pty Ltd

(21) 2021100902 (22) 16.02.2021

(54) A control system for optimising emergency multi-storey building stairwell evacuation

(62) 2016345066

(71) Face Safe Holdings Pty Ltd

(21) 2021100972 (22) 22.02.2021

(54) A safety apparatus for use in longwall mining

(71) Fine Forge Industry Corporation

(21) 2021100956 (22) 20.02.2021

(54) Detachment-Preventive Adaptor Socket

(31) 109139579 (32) 12.11.20 (33) TW

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(21) 2021100930 (22) 19.02.2021

(54) THE CONTROLLING IRRIGATION AND PESTICIDES IN AGRICULTURAL USING METHOD OF ARTIFICIAL INTELLIGENCE

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(21) 2021100926 (22) 18.02.2021

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(71) HOBA TECH Ltd  
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(71) Hong Kong Productivity Council  
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(71) HTM Innovations, LLC  
(21) 2021100905 (22) 17.02.2021  
(54) Panel transport, lift and positioning device

(71) Huaibei Coal Co., Ltd.; China Coal Technology Engineering Group Chongqing Research Institute  
(21) 2021100934 (22) 19.02.2021  
(54) Surface Well Drilling Fracture-Proof Method for Extraction of Pressure Relief Gas

(71) Huaibei Coal Co., Ltd.; China Coal Technology Engineering Group Chongqing Research Institute  
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(71) Huaibei Coal Co., Ltd.; China Coal Technology Engineering Group Chongqing Research Institute  
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(71) Jiangsu Vocational Institute of Architectural Technology  
(21) 2021100897 (22) 16.02.2021  
(54) A type of oxygen aeration device for treating high nitrate nitrogen wastewater

(71) Jiangsu Vocational Institute of Architectural Technology  
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| <b>Kar, A.K. see Kataria, A.</b><br>(21) 2021100629  | <b>KOLI, V.R. see DESHPANDE, A.W.</b><br>(21) 2021100883   | <b>Kumar, K.K. see Harikiran, J.</b><br>(21) 2021100928                                       |
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| <b>(71)</b> KARTHICK, R.; SHASTRI, S.; SINGH, K.; ., A.; KARPAGAM, R.; MEGALA, V.; PALANI, U.; AMUTHAVALLI, G.; RENJITH, S.; DAVID, D.B.<br><b>(21)</b> 2021100668 <b>(22)</b> 03.02.2021<br><b>(54)</b> E-COMMERCE SALES PREDICTION AND BOOSTING USING MACHINE LEARNING | <b>Krishnamoorthy, R. see Kumar, M.</b><br>(21) 2021100809   | <b>KUMAR, S. see SRIVASTAVA, S.</b><br>(21) 2021100954  |
| <b>(71)</b> Kataria, A.; Kar, A.K.; Chakraborty, A.; Jangra, S.; Ahuja, P.; Kaur, M.<br><b>(21)</b> 2021100629 <b>(22)</b> 02.02.2021<br><b>(54)</b> SYSTEM AND METHOD FOR MONITORING DRIVER ALERTNESS USING IOT   | <b>K S, S. see A, A.</b><br>(21) 2021100895  | <b>Kumari, E.K. see Gupta, R.K.</b><br>(21) 2021100926  |
| <b>(71)</b> KATARYA, R.; ANJUM, M.; KEDIA, P.<br><b>(21)</b> 2021100881 <b>(22)</b> 13.02.2021<br><b>(54)</b> A DEEP LEARNING SYSTEM AND A METHOD FOR DETECTION AND ANALYSIS OF COVID-19 PATIENTS  | <b>Kulshreshtha, S. see Panda, R.C.</b><br>(21) 2021100922   | <b>Kuri, M. see Kumar, N.</b><br>(21) 2021100892  |
| <b>KATHANE, M.S. see SINGH, C.</b><br>(21) 2021100877  | <b>Kumar, C.N.S.S.P. see Peddi, P.</b><br>(21) 2021100661  | <b>L, M.A. see Devarajan, B.</b><br>(21) 2021100770   |
| <b>Kaur, M. see Kataria, A.</b><br>(21) 2021100629   | <b>(71)</b> Kumar, M.; Jaiswal, S.; Gampala, V.; V S, S.; Reddy, C.V.B.; R D, S.; Mistry, S.H.; Singh, A.; Krishnamoorthy, R.; Begum, M.A.<br><b>(21)</b> 2021100809 <b>(22)</b> 10.02.2021<br><b>(54)</b> IOT BASED OPTIMAL MANAGEMENT OF SMART FARMS USING WIND POWER SYSTEM | <b>LAKWAL, V.R. see SINGH, C.</b><br>(21) 2021100877  |
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|  | <b>(71)</b> Kumar, N.; Goar, V.K.; Kumar, N.; Chahal, D.; Sharma, A.; Kuri, M.; Dubey, A.K.<br><b>(21)</b> 2021100892 <b>(22)</b> 15.02.2021   | <b>Lohar, F.L. see Gupta, R.K.</b><br>(21) 2021100926   |
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(71) M, A.; DWARAKANATH, B.; SRINATH, M.S.; S, G.; RAMPRABU, G.; VIMALA JULIET, A.; B V, B.; A K, G.; SARITHA, G.; PARTHASARATHY, S.

(21) 2021100959 (22) 21.02.2021

(54) Security Protocol to Prevent Attacks from Programmable Matter in IoT Networks

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(71) Mahato, N.; Agrawal, H.; Jain, J.

(21) 2021100631 (22) 02.02.2021

(54) OPTIMIZATION OF SPECIFIC HEAT CONSUMPTION OF COKE OVEN BATTERY

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(71) MANIPAL UNIVERSITY JAIPUR

(21) 2021100884 (22) 13.02.2021

(54) FAULT AWARE RESOURCE ALLOCATION OF CLOUD RESOURCES FIELD

(71) Mariprasath, T.; Kirubakaran, V.

(21) 2021100929 (22) 18.02.2021

(54) METHOD FOR EVALUATING LIQUID DIELECTRIC CHARACTERISTICS AND FEASIBILITY OF PONGAMIA PINNATA OIL AS LIQUID DIELECTRICS

(71) Mayerle, D.

(21) 2021100889 (22) 15.02.2021

(54) COMBINE HARVESTER WITH WEED SEED DESTRUCTION SYSTEM

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(71) M M, R.; Sungheetha, A.; R, R.S.; Ayano, T.K.; Dinegde, G.D.; Virmani, D.; P. T., A.; Keswani, B.; A, K.; Subramani, T.

(21) 2021100952 (22) 20.02.2021

(54) Methodology for Detecting Disease in Plants using Image Processing Technique

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(71) NANJING FOREST POLICE COLLEGE

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(54) POLICE CAPTURE TYPE ROTOR UNMANNED AERIAL VEHICLE

(71) NANJING FOREST POLICE COLLEGE

(21) 2021100977 (22) 22.02.2021

(54) DEVICE FOR LAUNCHING FOREST FIRE EXTINGUISHING BOMB BASED ON CRAWLER CHASSIS

(71) NANJING FOREST POLICE COLLEGE

(21) 2021100978 (22) 22.02.2021

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(71) Nicholls Technologies Pty Ltd

(21) 2021100888 (22) 15.02.2021

(54) LIGHTWEIGHT CASKET HAVING FOLDABLE FEATURES

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(21) 2021100691 (22) 04.02.2021  
(54) SMART SHOES FOR THE CYCLIST

(71) Nijhawan, P.; Oberoi, A.; Singla, M.K.  
(21) 2021100882 (22) 13.02.2021  
(54) A NOVEL DESIGN OF A HYBRID SOLAR PV AND WIND ENERGY CONVERSION SYSTEM

(71) Northeast Agricultural University  
(21) 2021100975 (22) 22.02.2021  
(54) An improved enzymatic method for measuring the degree of starch gelatinization in meat products

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(71) ONETALK TECHNOLOGY PTY LTD  
(21) 2021100970 (22) 22.02.2021  
(54) Talking posters lead to improvements with communication delivering simple messages in language. Combining visual and audio technology to deliver simple controlled messages breaks through cultural, personal restrictions limited literacy levels without relying on mains power or content upload. It will be recognised that the communication tool - whilst it has been created for Indigenous communities - can be applied to any non-english speaking group.

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(71) Padmaja, S.; Pandey, V.; ., S.; R D, S.; Indigibilli, S.; Kanuri, G.; Muddana, S.S.; Nannapaneni, S.; Chandrashekar, B.; C, G.  
(21) 2021100903 (22) 17.02.2021  
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(54) Inexpensive Nail-fold Capillaroscopy for Early Detection of Cardio-Metabolic Disease

(71) Panda, R.C.; Bhatia, M.K.; B S, P.; Devi V, A.; Shukla, P.K.; Rameshwar, R.; Nagpal, N.; Madhuri, P.; Kanthimathi, G.; N, C.; Agrawal, N.; Kapoor, S.; Komalavalli, C.; Laroia, C.; Madan, S.; Devi V, A.; Shukla, P.K.

(21) 2021100924 (22) 18.02.2021  
(54) UV ASSISTED & HOT AIR SPRAYED DISINFECTANT SANITIZER CHAMBER FOR SAARS-COV-2

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(21) 2021100976 (22) 22.02.2021  
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(71) Peddi, P.; Rani, N.U.; Rao, P.P.; Musunuri, S.; Kumar, C.N.S.S.P.; Naidu, C.G.

(21) 2021100661 (22) 02.02.2021  
(54) DESIGN AND IMPLEMENTATION OF SMART AIR QUALITY DETECTION SYSTEM

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(71) PLUMVAC PROJECTS AND SERVICES (PTY) LTD  
(21) 2021100939 (22) 19.02.2021  
(54) A PIPE-RELINING APPARATUS

(71) Prabhu, M.; V., I.; Nambirajan, T.  
(21) 2021100923 (22) 18.02.2021  
(54) IMD-Managing Electronic Business: Intelligent System and Method for Dynamically Managing Electronic Business Process

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(21) 2021100669

(71) Prasad, M.V.; Kumar, B.A.; Kumar, Y.H.; Hari Kiran, B.D.; Naraina, A.  
(21) 2021100849 (22) 10.02.2021  
(54) An advanced predictive flux control for induction motor drive

(71) Prasad Yadav, N.; Singh, S.; Srivastava, A.  
(21) 2021100925 (22) 18.02.2021  
(54) GEOMETRICAL FINS PERFORMANCE DETECTION SYSTEM

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(71) Qilu University of Technology  
(21) 2021100943 (22) 19.02.2021  
(54) A METHOD OF PREPARING CARBON SUPPORTED TRANSITION METAL SULFIDE ELECTRODE MATERIALS FROM BIO-OIL  
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(71) Qingdao Agricultural University; Yantai Enbeide Chemical Technology Co., Ltd  
(21) 2021100904 (22) 17.02.2021  
(54) Composition containing Helianthus tuberosus leaf extract and preparation method and applications thereof  
(31) 2021101087549 (32) 27.01.21 (33) CN

(71) QINGDAO AGRICULTURAL UNIVERSITY  
(21) 2021100686 (22) 03.02.2021

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(71) Qingdao Low-Carbon Environmental Protection Technology Co., Ltd  
(21) 2021100969 (22) 22.02.2021  
(54) WASTEWATER TREATMENT DEVICE BASED ON BIOAUGMENTATION COUPLING OF CARRIER  
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(21) 2021100913 (22) 18.02.2021  
(54) SECURITY TECHNIQUE IN ENERGY HARVESTING IOT DEVICES USING SLOTTED ALOHA WITH NOMA

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(71) Rajak, U.; Kumar, R.; Muley, P.; Sinha, S.L.; Nashine, P.; Dwivedi, G.; Singh, T.S.; Kumar, S.; Chaurasiya, P.K.; Kumar, T.R.  
(21) 2021100894 (22) 15.02.2021  
(54) AN INVESTIGATION INTO THE FRICTION STIR WELDING OF ALUMINUM PIPE WITH STAINLESS STEEL PLATE

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(21) 2021100920

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(21) 2021100661

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(21) 2021100903

(71) Red Dune Skin; Shanmugathan, R.  
(21) 2021100907 (22) 17.02.2021  
(54) The use of desert sand in skin products.

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(21) 2021100809

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(21) 2021100928

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(71) Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry  
(21) 2021100910 (22) 17.02.2021  
(54) ASSAULT TYPE SOIL SPRAY GUN FOR FOREST FIRE EXTINGUISHING

(71) Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry  
(21) 2021100979 (22) 22.02.2021  
(54) INTELLIGENT FOREST FIRE PLOTTER FOR FOREST FIREFIGHTING AVIATION CRUISE

(71) Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry  
(21) 2021100980 (22) 22.02.2021  
(54) BUCKET SPRINKLING TARGET POSITIONING DEVICE FOR FOREST

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(71) S, K.; E, A.J.; K, H.K.; S, G.; K, N.K.; S, S.; Sharma, K.B.  
(21) 2021100672 (22) 03.02.2021  
(54) DRONE ASSISTED HEALTHCARE SERVICES; A DESIGN OF AN INNOVATIVE DRONE HEALTHCARE DELIVERY

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(21) 2021100971 (22) 22.02.2021  
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(62) PCT/AU2018/051025

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(21) 2021100671

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(71) Sarangdevot, S.S.; Trivedi, M.C.  
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(21) 2021100896 (22) 16.02.2021  
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(71) Shanghai Ocean University  
(21) 2021100919 (22) 18.02.2021  
(54) Method for Forecasting Central Fishing Ground of *Dosidicus Gigas* in the Southeast Pacific ocean

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(21) 2021100973 (22) 22.02.2021  
(54) Method for Predicting Winter-Spring Stock Abundance of *Ommastrephes Bartramii* in the Northwest Pacific Ocean Based on Grey System

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(21) 2021100893 (22) 15.02.2021  
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(71) Sichuan University of Science and Engineering  
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(71) SINGH, C.; CHAUHAN, D.; BEDI, P.; KHARE, A.; WALIA, R.; KHARATE, D.S.; LAKWAL, V.R.; SAOJI, B.P.; WANKHADE, S.D.; KATHANE, M.S.  
(21) 2021100877 (22) 12.02.2021  
(54) A TECHNIQUE FOR WEARABLE BANDS OPERATED ELECTRONIC APPLIANCES BY GESTURE CONTROLS

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(71) Soman, A.; Soman, A.  
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(54) Tape Measure Holder

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(21) 2021100930

(71) Southwest University  
(21) 2021100607 (22) 01.02.2021  
(54) Convolution Operator Switching System Based on Forgetting Memristor Bridge

(71) Sparsi, C.  
(21) 2021100891 (22) 15.02.2021  
(54) Cooled Animal Structure  
(31) 2020901641 (32) 21.05.20 (33) AU

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(21) 2021100959

**Srinivas, T.A.S. see R, V.**  
(21) 2021100913

**Srivastava, S. see Upreti, K.**  
(21) 2021100901

**Srivastava, A. see Prasad Yadav, N.**  
(21) 2021100925

Innovation Patent Applications Filed - Name Index cont'd

**SRIVASTAVA, R. see T., A.**  
(21) 2021100879

(71) SRIVASTAVA, S.; KHARI, M.; KUMAR, S.; GUPTA, M.; MUKHERJEE, S.  
(21) 2021100954 (22) 20.02.2021  
(54) A SYSTEM FOR WEATHER MONITORING AND NATURAL DISASTERS PREVENTION USING IOT ENABLED DEVICES

**Subramani, T. see M M, R.**  
(21) 2021100952

**Sumallika, T. see Harikiran, J.**  
(21) 2021100928

**Sungheetha, A. see M M, R.**  
(21) 2021100952

**Suyan, N.K. see Gupta, R.K.**  
(21) 2021100926

(71) Swathika, P.; Vinoth Kumar, B.; Abinaya, P.  
(21) 2021100847 (22) 10.02.2021  
(54) BLOCKCHAIN BASED MULTIPLE AUTHORITIES SIGNATURE MODEL FOR INDUSTRIAL IOT APPLICATIONS

(71) T., A.; PATHAK, N.; SHARMA, V.; A., P.; SRIVASTAVA, R.; U., H.; K., R.K.; MITTAL, V.  
(21) 2021100879 (22) 12.02.2021  
(54) DEEP-LEARNING BASED TEMPORAL RECOMMENDATION WITH REDUCED USER PRIVACY CONCERN IN CLOUD ENVIRONMENT

(71) T., S.; pulla, B.; M, S.; G, S.S.; H., S.K.; Ramakrishna, .; M., S.P.B.; Atkar, R.; Lenin, A.H.; B., S.B.  
(21) 2021100960 (22) 21.02.2021  
(54) Artificial Intelligence Based Cooling System for Managing the Energy Efficiency

**T.J, D. see K, V.S.M.B.**  
(21) 2021100745

**Thakur, N.V. see Sharma, D.S.**  
(21) 2021100893

**Thankachan, T. see Upreti, K.**  
(21) 2021100901

(71) Theodoratos, K.  
(21) 2021100886 (22) 15.02.2021  
(54) COVID19 Door sock handle cover.

**Thota, S.P. see K, V.S.M.B.**  
(21) 2021100745

(71) Tiwari, M.; Chugh, A.; Jain, C.; Mishra, J.; GOPAL, K.M.  
(21) 2021100630 (22) 02.02.2021  
(54) Intelligent Green House Using IOT

**Toomula, S. see GEDAM, R.**  
(21) 2021100930

**Totewad, N.D. see Durachman, Y.**  
(21) 2021100736

(71) Totzenberger, r.  
(21) 2021100906 (22) 17.02.2021  
(54) TRUBOND preforma slab system

**Trivedi, M.C. see Sarangdevot, S.S.**  
(21) 2021100932

**Tyagi, P. see Choudhary, S.**  
(21) 2021100920

**U., H. see T., A.**  
(21) 2021100879

(71) Uluru, L.  
(21) 2021100955 (22) 20.02.2021  
(54) The invention of a multifunctional site for the remediation of garbage dumps using renewable resources and energy sources

(71) Uluru, L.  
(21) 2021100958 (22) 20.02.2021  
(54) A Multi-function System made of Renewable Resources for Bush Fire Fighting, Animal Protection, Photovoltaic Power Generation and Desert Greening

(71) Uluru, L.  
(21) 2021100961 (22) 21.02.2021  
(54) A Technology for Recycling Waste Wooden Sleepers and Waste Vineyard Posts(preservative treated and untreated# with Waste Tires and Plastic

(71) Uluru, L.  
(21) 2021100963 (22) 21.02.2021  
(54) The present invention is a technology that uses waste plastics to be reduced into heavy oil through a cracking device and then uses the heavy oil generator set to generate electricity as an en-

ergy source to heat a recycled glass furnace to produce the glass backboard of photovoltaic panel.

(71) Upreti, K.; Sar, A.; Srivastava, S.; Vargis, B.K.; Aggarwal, A.; Thankachan, T.  
(21) 2021100901 (22) 16.02.2021  
(54) ARTIFICIAL INTELLIGENCE (AI) BASED ONLINE CENSORING ENGINE SYSTEM FOR SOCIAL MEDIA PLATFORMS

**V., I. see Prabhu, M.**  
(21) 2021100923

**Vargis, B.K. see Upreti, K.**  
(21) 2021100901

**Varsha, M. see Gupta, R.K.**  
(21) 2021100926

(71) Verma, R.; Alam, P.; Agrawal, H.; Khan, M.R.  
(21) 2021100626 (22) 02.02.2021  
(54) MAXINE-The Modular Cooling Pad for Evaporative Cooling System

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH see HUMCEN GLOBAL (P) LTD**  
(21) 2021100915

**VIMALA JULIET, A. see M, A.**  
(21) 2021100959

**Vinoth Kumar, B. see Swathika, P.**  
(21) 2021100847

**Virmani, D. see M M, R.**  
(21) 2021100952

**V S, S. see Kumar, M.**  
(21) 2021100809

**VYAWAHARE, V.S. see DESHPANDE, A.W.**  
(21) 2021100883

**Waghmare, S.A. see Durachman, Y.**  
(21) 2021100736

**WALIA, R. see SINGH, C.**  
(21) 2021100877

**WANKHADE, S.D. see SINGH, C.**  
(21) 2021100877

## Innovation Patent Applications Filed - Name Index cont'd

(71) Xiangya Hospital, Central South University

(21) 2021100967 (22) 22.02.2021

(54) Method for Screening and Identification of SCA3/MJD Biomarkers Based on lncRNA

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(71) Xiangya Hospital, Central South University

(21) 2021100968 (22) 22.02.2021

(54) An exosomal biomarker for auxiliary diagnosis of SCA3/MJD and its screening and identification method

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(71) Xinjiang Chenxiyu Water Conservancy Engineering Design Co., Ltd

(21) 2021100942 (22) 19.02.2021

(54) TRANSPORT PIPELINE AND METHOD OF USE THEREOF

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**Yadav, N. see Gupta, R.K.**

(21) 2021100926

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**Yadav, A.S. see GEDAM, R.**

(21) 2021100930

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(71) Yan'an Affiliated Hospital of Kunming Medical University

(21) 2021100887 (22) 15.02.2021

(54) An occluder for relieving pulmonary artery hypertension in congenital heart disease

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**Yantai Enbeide Chemical Technology Co., Ltd see Qingdao Agricultural University**

(21) 2021100904

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(71) Zhongqing Hi-Tech (Beijing) Technology Development Co., Ltd.

(21) 2021100812 (22) 10.02.2021

(54) Medicament for treating liver cancer and thyroid cancer by local injection, and preparation method thereof

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| <b>2021100588</b> | MICROSECURE CORPORATION PTY LTD  | <b>2021100894</b> | Rajak, U.; Kumar, R.; Muley, P.; Sinha, S.L.; Nashine, P.; Dwivedi, G.; Singh, T.S.; Kumar, S.; Chaurasiya, P.K.; Kumar, T.R.   |
| <b>2021100607</b> | Southwest University   | <b>2021100895</b> | A, A.; G, A.P.; Shrivastava, P.K.; Pushpendu, R.; Hazarika, K.; Shahid, M.; M, S.; Pandey, A.K.; K S, S.; ., D.; Singh, B.; Bhoi, A.K.; MOHAMMED, A.  |
| <b>2021100626</b> | Verma, R.; Alam, P.; Agrawal, H.; Khan, M.R.   | <b>2021100896</b> | Shanghai Ocean University   |
| <b>2021100629</b> | Kataria, A.; Kar, A.K.; Chakraborty, A.; Jangra, S.; Ahuja, P.; Kaur, M.   | <b>2021100897</b> | Jiangsu Vocational Institute of Architectural Technology  |
| <b>2021100630</b> | Tiwari, M.; Chugh, A.; Jain, C.; Mishra, J.; GOPAL, K.M.   | <b>2021100898</b> | Jiangsu Vocational Institute of Architectural Technology  |
| <b>2021100631</b> | Mahato, N.; Agrawal, H.; Jain, J.  | <b>2021100899</b> | Henan University of Chinese Medicine  |
| <b>2021100633</b> | CENTRAL SOUTH UNIVERSITY   | <b>2021100900</b> | Centratech Systems PTY LTD  |
| <b>2021100661</b> | Peddi, P.; Rani, N.U.; Rao, P.P.; Musunuri, S.; Kumar, C.N.S.S.P.; Naidu, C.G.   | <b>2021100901</b> | Upreti, K.; Sar, A.; Srivastava, S.; Vargis, B.K.; Aggarwal, A.; Thankachan, T.   |
| <b>2021100668</b> | KARTHICK, R.; SHASTRI, S.; SINGH, K.; ., A.; KARPAGAM, R.; MEGALA, V.; PALANI, U.; AMUTHAVALLI, G.; RENJITH, S.; DAVID, D.B.               | <b>2021100902</b> | Evacusmart IP Pty Ltd   |
| <b>2021100669</b> | Acharya, B.; Kalra, D.; Pradhan, M.R.; Mago, B.; Jamader, A.R.; Das, P.  | <b>2021100903</b> | Padmaja, S.; Pandey, V.; ., S.; R D, S.; Indigibilli, S.; Kanuri, G.; Muddana, S.S.; Nannapaneni, S.; Chandrashekar, B.; C, G.  |
| <b>2021100671</b> | Acharya, B.; Sahoo, P.R.; Pandharbale, P.B.; Kamble, T.; Ghuge, M.; Mishra, P.K.; Das, D.; Das, P.; Jamader, A.R.                          | <b>2021100904</b> | Qingdao Agricultural University; Yantai Enbeide Chemical Technology Co., Ltd  |
| <b>2021100672</b> | S, K.; E, A.J.; K, H.K.; S, G.; K, N.K.; S, S.; Sharma, K.B.   | <b>2021100905</b> | HTM Innovations, LLC  |
| <b>2021100684</b> | SHARMA, K.; Saurabh Mukherjee, S.M.; C.K.Jha, C.; Ajay Sharma, A.S.  | <b>2021100906</b> | Totzenberger, r.  |
| <b>2021100686</b> | QINGDAO AGRICULTURAL UNIVERSITY  | <b>2021100907</b> | Red Dune Skin; Shanmugathan, R.   |
| <b>2021100691</b> | Nijhawan, P.; Singh, P.; Bhalla, V.  | <b>2021100908</b> | AUSICO PTY LTD  |
| <b>2021100714</b> | Sichuan University of Science and Engineering  | <b>2021100909</b> | NANJING FOREST POLICE COLLEGE   |
| <b>2021100736</b> | Durachman, Y.; Binoj, J.S.; Deshmukh, R.G.; Totwad, N.D.; Agarwal, A.; Choudhary, P.; Jain, P.K.; Singh, S.; Isankar, R.D.; Waghmare, S.A. | <b>2021100910</b> | Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry   |
| <b>2021100745</b> | K, V.S.M.B.; Thota, S.P.; T.J, D.; Byreddy, N.   | <b>2021100913</b> | R, V.; Chakrabarti, T.; Hati, A.S.; Mandal, S.; Srinivas, T.A.S.; Neogi, S.G.; Chhawchharia, P.; N, V.; . S, M.; Pendem, S.; Chakrabarti, P.; Srikanth, N.  |
| <b>2021100770</b> | Devarajan, B.; K, B.; M, V.K.; K, A.; E, M.; K, P.R.; R, P.; E R, L.P.; L, M.A.; P, M.K.; P, M.J.S.  | <b>2021100914</b> | HUMCEN GLOBAL (P) LTD; ., T.D.; ., K.L.; ., K.; ., V.P.R.C.; ., L.; ., M.B.S.; ., G.K.; ., M.S.K.; ., P.; ., K.A.B.; ., S.  |
| <b>2021100785</b> | Institute of Geology and Geophysics, Chinese Academy of Sciences   | <b>2021100915</b> | HUMCEN GLOBAL (P) LTD; ., S.; VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH; ., G.R.M.; ., S.; ., S.S.; ., D.; ., S.; ., K.L.R. Collins, J.  |
| <b>2021100787</b> | Institute of Geology and Geophysics, Chinese Academy of Sciences   | <b>2021100916</b> | ARQ Consulting Pty Ltd  |
| <b>2021100809</b> | Kumar, M.; Jaiswal, S.; Gampala, V.; V S, S.; Reddy, C.V.B.; R D, S.; Mistry, S.H.; singh, A.; Krishnamoorthy, R.; Begum, M.A.             | <b>2021100917</b> | Hong Kong Productivity Council  |
| <b>2021100812</b> | Zhongqing Hi-Tech (Beijing) Technology Development Co., Ltd.   | <b>2021100918</b> | Shanghai Ocean University   |
| <b>2021100847</b> | Swathika, P.; Vinoth Kumar, B.; Abinaya, P.  | <b>2021100919</b> | Choudhary, S.; Rani, S.; Deepkiran, M.; Singh, S.; Kumar, B.; Raghuvanshi, S.; Singh, R.K.; Tyagi, P.   |
| <b>2021100849</b> | Prasad, M.V.; Kumar, B.A.; Kumar, Y.H.; Hari Kiran, B.D.; Naraina, A.  | <b>2021100921</b> | HOBA TECH Ltd   |
| <b>2021100864</b> | Jaipur, M.U.   | <b>2021100922</b> | Panda, R.C.; Mishra, V.; Rakshit, P.; Devi V, A.; Kulshreshtha, S.; Shukla, P.K.; Rameshwar, R.; Rajput, N.S.; Parashar, A.; Pal, S.; Bhattacharya, S.; Rath, K.C.; Samanta, L.D.                                       |
| <b>2021100874</b> | Brown Brown Lloyd Unit Trust; French, M.   | <b>2021100923</b> | Prabhu, M.; V, I.; Nambirajan, T.   |
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| <b>2021100879</b> | T, A.; PATHAK, N.; SHARMA, V.; A, P.; SRIVASTAVA, R.; U, H.; K, R.K.; MITTAL, V.   | <b>2021100925</b> | Prasad Yadav, N.; Singh, S.; Srivastava, A.   |
| <b>2021100881</b> | KATARYA, R.; ANJUM, M.; KEDIA, P.  | <b>2021100926</b> | Gupta, R.K.; Yadav, N.; Varsha, M.; Suyan, N.K.; Lohar, F.L.; Kumari, E.K.; Jindal, S.; Singh, S.K.; Sharma, P.K.; Sharma, D.   |
| <b>2021100882</b> | Nijhawan, P.; Oberoi, A.; Singla, M.K.   | <b>2021100927</b> | Anusuya, G.S.; Manikandan, E.   |
| <b>2021100883</b> | DESHPANDE, A.W.; SALUNKHE, S.S.; PARAB, M.A.; KOLI, V.R.; PATIL, N.N.; DESURKAR, V.; MALLIWAL, A.; BODADE, V.; VYAWAHARE, V.S.             | <b>2021100928</b> | Harikiran, J.; Kumar, K.K.; Indira, D.; Sumallika, T.; Srikanth, B.; Reddy, B.S.; Narayanan, S.   |
| <b>2021100884</b> | MANIPAL UNIVERSITY JAIPUR  | <b>2021100929</b> | Mariprasath, T.; Kirubakaran, V.  |
| <b>2021100885</b> | 6 Star Group; Corea, J.  | <b>2021100930</b> | GEDAM, R.; Daniel, D.A.P.; Toomula, S.; Yadav, A.S.; Sharma, V.; Kumar, S.; Somasekhar, T.; Reddy, P.N.K.; Loganathan, S.; Perumal, K.  |
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| <b>2021100887</b> | Yan'an Affiliated Hospital of Kunming Medical University   | <b>2021100933</b> | C W F HAMILTON & CO LIMITED   |
| <b>2021100888</b> | Nicholls Technologies Pty Ltd  | <b>2021100934</b> | Huaibei Coal Co., Ltd.; China Coal Technology Engineering Group Chongqing Research Institute  |
| <b>2021100889</b> | Mayerle, D.  | <b>2021100935</b> | Huaibei Coal Co., Ltd.; China Coal Technology Engineering Group Chongqing Research Institute  |
| <b>2021100890</b> | Sherwood Chemicals Australasia Pty Ltd   |                   |   |
| <b>2021100891</b> | Sparsi, C.   |                   |   |
| <b>2021100892</b> | Kumar, N.; Goar, V.K.; Kumar, N.; Chahal, D.; Sharma, A.; Kuri, M.; Dubey, A.K.  |                   |   |
| <b>2021100893</b> | Sharma, D.S.; Sinha, G.; Thakur, N.V.; Pallathadka, H.; Choudhary, A.; Choudhry, R.  |                   |   |



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| <b>2021100939</b> | PLUMVAC PROJECTS AND SERVICES (PTY) LTD   | <b>2021100966</b> | Hebei North University  |
| <b>2021100940</b> | DSM IP Assets B.V.  | <b>2021100967</b> | Xiangya Hospital, Central South University  |
| <b>2021100941</b> | De Cianni, D.   | <b>2021100968</b> | Xiangya Hospital, Central South University  |
| <b>2021100942</b> | Xinjiang Chenxiyu Water Conservancy Engineering Design Co., Ltd   | <b>2021100969</b> | Qingdao Low-Carbon Environmental Protection Technology Co., Ltd   |
| <b>2021100943</b> | Qilu University of Technology   | <b>2021100970</b> | ONETALK TECHNOLOGY PTY LTD  |
| <b>2021100944</b> | CYCLINGDEAL USA, INC.   | <b>2021100971</b> | SageFlow BVBA   |
| <b>2021100948</b> | Gambhir, G.; Gambhir, M.; Mandal, J.K.  | <b>2021100972</b> | Face Safe Holdings Pty Ltd  |
| <b>2021100952</b> | M M, R.; Sungheetha, A.; R, R.S.; Ayano, T.K.; Dinegde, G.D.; Virmani, D.; P. T., A.; Keswani, B.; A, K.; Subramani, T.         | <b>2021100973</b> | Shanghai Ocean University   |
| <b>2021100954</b> | SRIVASTAVA, S.; KHARI, M.; KUMAR, S.; GUPTA, M.; MUKHERJEE, S.  | <b>2021100974</b> | China National Institute of Standardization   |
| <b>2021100955</b> | Uluru, L.   | <b>2021100975</b> | Northeast Agricultural University   |
| <b>2021100956</b> | Fine Forge Industry Corporation   | <b>2021100976</b> | Pareezer, B.  |
| <b>2021100958</b> | Uluru, L.   | <b>2021100977</b> | NANJING FOREST POLICE COLLEGE   |
| <b>2021100959</b> | M, A.; DWARAKANATH, B.; SRINATH, M.S.; S, G.; RAMPRABU, G.; VIMALA JULIET, A.; B V, B.; A K, G.; SARITHA, G.; PARTHASARATHY, S. | <b>2021100978</b> | NANJING FOREST POLICE COLLEGE   |
|                   |   | <b>2021100979</b> | Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry               |
|                   |   | <b>2021100980</b> | Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry               |

**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
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
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- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
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| 2004203671 ( 14 ) | 2004203814 ( 14 ) | 2004203850 ( 14 ) |
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**2005**

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| 2005203545 ( 14 ) | 2005203603 ( 14 ) | 2005203636 ( 14 ) |
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| 2007205717 ( 14 ) | 2007205726 ( 14 ) | 2007205770 ( 14 ) |
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| 2007285910 ( 14 ) | 2007285945 ( 14 ) | 2007285948 ( 14 ) |
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**2008**

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**2009**

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| 2009292100 ( 14 ) | 2009301981 ( 14 ) | 2009303816 ( 14 ) |
| 2009304996 ( 14 ) | 2009318042 ( 14 ) | 2009351116 ( 14 ) |

**2010**

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**2011**

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**2012**

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**2013**

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**2014**

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**2016**

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**2018**

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**2019**

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 2019200991 ( 5C ) 2019201056 ( 5C ) 2019201079 ( 5C )  
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**2020**

2020103829 ( 18AN ) 2020103859 ( 18AN ) 2020103908 ( 16NN )  
 2020200648 ( 5C ) 2020203803 ( 1B ) 2020277202 ( 1B )  
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 2020281014 ( 7AN ) 2020900569 ( 12AN ) 2020900610 ( 12AN )

**2021**

2021100431 ( 12AN )

**Assignments before Grant, Section 113**

**2015**

2015222802 Igenomx International Genomics Corporation The application has been assigned to **Jumpcode Genomics, Inc.**

**2016**

2016280806 Les Laboratoires Servier; Intercept Pharmaceuticals, Inc. The application has been assigned to **Intercept Pharmaceuticals, Inc.**

2016295601 Carsgen Therapeutics Co., Ltd. The application has been assigned to **CAFA Therapeutics Limited**

2016311278 Sturm, James; Civin, Curt; Grisham, Michael; Aurich, Lee; Campos-Gonzalez, Roberto; D'Silva, Joseph; University of Maryland, Baltimore; GPB Scientific, LLC; Ward, Anthony; The Trustees of Princeton University; Skelley, Alison; Gandhi, Khushroo The application has been assigned to **GPB Scientific, LLC; University of Maryland, Baltimore; The Trustees of Princeton University**

**Assignments before Grant, Section 113**

2016343175 Many Rivers Design Limited The application has been assigned to **River 1 Limited**

**2017**

2017231000 Kyorin Pharmaceutical Co., Ltd. The application has been assigned to **Priothera Limited**

2017248837 Thrombolex, Inc. The application has been assigned to **Thrombolex, Inc.; Temple University-of The Commonwealth System of Higher Education**

2017342702 Effusiontech Pty Ltd The application has been assigned to **Effusiontech IP Pty Ltd**

2017354786 Xylonix IP Holdings Pte. Ltd. The application has been assigned to **Xylonix PTE. LTD.**

2017354787 Xylonix IP Holdings Pte. Ltd. The application has been assigned to **Xylonix PTE. LTD.**

2017361784 Academisch Ziekenhuis Leiden; BioMarin Technologies B.V. The application has been assigned to **Academisch Ziekenhuis Leiden**

2017373239 Crystal Pharmaceutical (Suzhou) Co., Ltd. The application has been assigned to **Resverlogix Corp.**

**2018**

2018210404 Corvidia Therapeutics, Inc.; The United States of America, as represented by The Secretary Department of Health & Human Services The application has been assigned to **Novo Nordisk A/S; The United States of America, as represented by The Secretary Department of Health & Human Services**

2018214554 Corvidia Therapeutics, Inc.; Yale University The application has been assigned to **Novo Nordisk A/S; Yale University**

2018244677 Medicinal Bioconvergence Research Center The application has been assigned to **BioconTAC Co., Ltd**

2018247568 Effusiontech Pty Ltd The application has been assigned to **Effusiontech IP Pty Ltd**

2018248330 Jayaraman, Shankar; BXB Digital Pty Limited The application has been assigned to **BXB Digital Pty Limited**

2018279290 Centro Cardiologico Monzino Spa; Universita' degli Studi di Milano The application has been assigned to **Oloker Therapeutics S.r.l.**

2018292041 AiCuris Anti-infective Cures GmbH The application has been assigned to **AiCuris GmbH & Co. KG**

2018309559 Effusiontech Pty Ltd The application has been assigned to **Effusiontech IP Pty Ltd**

2018317932 Effusiontech Pty Ltd The application has been assigned to **Effusiontech IP Pty Ltd**

**Assignments before Grant, Section 113**

2018350870 BMI Technical Services GmbH The application has been assigned to **BMI Steildach GmbH**

**2019**

2019202968 CEC Systems Pty Ltd The application has been assigned to **Spectainer Pty Limited**

2019205936 Corvidia Therapeutics, Inc. The application has been assigned to **Novo Nordisk A/S**

2019206068 Northwood Medical Innovation Limited The application has been assigned to **Allergan Limited**

2019227866 LifeSci Pharmaceuticals, Inc. The application has been assigned to **Attune Pharmaceuticals, Inc.**

2019229360 Cargotec Patenter AB The application has been assigned to **Hiab AB**

2019229422 Cargotec Patenter AB The application has been assigned to **Hiab AB**

2019229461 Cargotec Patenter AB The application has been assigned to **Hiab AB**

2019242381 Smith Therapeutics Inc. The application has been assigned to **AZTherapies, Inc.**

2019260717 Xencor, Inc. The application has been assigned to **Novartis AG**

2019290345 Xylonix IP Holdings Pte. Ltd. The application has been assigned to **Xylonix PTE. LTD.**

2019290457 Polyfuzer Graphics Corporation The application has been assigned to **The Michael and Kathleen Stevenson Family Limited Partnership**

2019310855 Carsgen Therapeutics Co., Ltd. The application has been assigned to **CAFA Therapeutics Limited**

2019460845 Tianjin University The application has been assigned to **Tianjin JC Environmental Services; Tianjin University**

**2020**

2020200506 Thales Deutschland GmbH The application has been assigned to **Thales Management & Services Deutschland GmbH**

2020900345 Charles Southby, Roydon The application has been assigned to **Roy Tiles Pty Limited**

2020901011 EFFUSIONTECH PTY LTD The application has been assigned to **Effusiontech IP Pty Ltd**

2020902488 Southby, Roydon Charles The application has been assigned to **Roy Tiles Pty Limited**

**Assignments before Grant, Section 113****2021**

2021900367 HALE, JOHN; JAIN, ROHIT The application has been assigned to **BLIS TECHNOLOGIES LIMITED**

**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.

**2016**

2016325992 **Bibas, Charles** An application to extend the time from 13 Jun 2020 to 13 Mar 2021 in which to pay a renewal fee has been filed. Address for service - charles BIBAS C/O Kanalysis 111 Eagle Street, Level 54 Brisbane QLD 4000 AU

**2020**

2020201489 **Bluebird Bio, Inc.** An application to extend the time from 05 Jun 2020 to 05 Jan 2021 in which to pay the continuation fee has been filed. Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**Applications Allowed - Section 223(2)****2013**

2013230686 **Axis Energy Group Pty Ltd** The time in which to pay the renewal fee has been extended to 06 Nov 2020. Address for service - Eagar & Associates Pty Ltd Suite 2 35-39 Scarborough Street Southport QLD 4215 AU

**2015**

2015218440 **Luck, J.** The time in which to gain acceptance has been extended to 18 Sep 2021. Address for service - Trevor Bath 3 Eckersley Heights Winthrop WA 6150 AU

2015289613 **Sanofi Biotechnology; Regeneron Pharmaceuticals, Inc.** The time in which to gain acceptance has been extended to 06 Jun 2021. Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2015295751 **Electrolux Appliances Aktiebolag** The time in which to gain acceptance has been extended to 27 May 2021. Address for service - Halfords IP GPO Box 4212 Sydney NSW 2001 AU

2015336936 **Bransgrove, B.** The time in which to pay the acceptance fee has been extended to 22 Feb 2021. Address for service - Brandon Bransgrove 7-9 Merriwa Street Gordon NSW 2072 AU

**2016**

2016210728 **Kelly, P.** The time in which to gain acceptance has been extended to 13 Jun 2021. Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016217596 **Cremona, C.; Habib, N.** The time in which to gain acceptance has been extended to 29 Apr 2021. Address for service - In-Legal Limited PO Box 8026 The Terrace Wellington 6143 NZ

**Extensions of Time, Section 223**

2016374869 **Gately, P.** The time in which to request examination has been extended to 28 May 2021 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**2017**

2017200688 **Stuart, I.** The time in which to request examination has been extended to 03 Apr 2021 . Address for service - Ian Stuart 23 Tooth Avenue QLD Paddington QLD 4064 AU

**2018**

2018203925 **DIGITAL (ID)ENTITY LIMITED** The time in which to gain acceptance has been extended to 11 Jul 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018367884 **Whiteley Corporation Pty. Ltd.** The time in which to pay the acceptance fee has been extended to 22 Feb 2021 . Address for service - WHITELEY CORPORATION PTY LTD Suite 501 Level 5 12-14 Mount Street North Sydney NSW 2060 AU

**2019**

2019200822 **Harvey, L.** The time in which to gain acceptance has been extended to 28 May 2021 . Address for service - Leon Harvey po box 1143 ultimo NSW 2037 AU

2019202525 **Britax Child Safety Inc** The time in which to gain acceptance has been extended to 11 Jun 2021 . Address for service - Mad-derns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2019226283 **FMC CORPORATION** The time in which to gain acceptance has been extended to 11 Jun 2021 . Address for service - Houlihan<sup>2</sup> Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2019254701 **FONDAZIONE TELETHON** The time in which to enter the national phase has been extended to 20 Feb 2021 . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

**2020**

2020103520 **Bansal, M.; Kumar, M.; Kumar, M.; Kumar, K.** The time in which to comply with a direction under Reg 3.2B has been extended to 02 Mar 2021 . Address for service - Monika Bansal 8/74 Hawdon street Heidelberg Melbourne VIC 3084 AU

2020103852 **Raja, R.; Mahmood, M.R.; Kumar, S.; Rani, S.; Bhatnagar, P.; RASVEEN; Kumar, M.; Nagaraju, R.; Mishra, M.; Raja, H.** The time in which to comply with a direction under Reg 3.2B has been extended to 11 Mar 2021 . Address for service - Rohit Raja 8/74 Hawdon street Heidelberg Melbourne VIC 3084 AU

2020203803 **Digital (ID)entity Limited** The time in which to request examination has been extended to 16 May 2021 . Address for service - Digital (ID)entity Limited C/- James Robert Storr PO Box 517 Gordon NSW 2072 AU

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

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.

**Amendments**

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.

**2014**

2014287005 AAV vector and assay for anti-AAV (adeno-associated virus) neutralizing antibodies **The Children's Hospital of Philadelphia** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2021 . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2015**

2015261278 Novel cytochrome P450 fusion protein **The University of York ; Sun Pharmaceutical Industries (Australia) Pty Limited** The nature of the amendment is as shown in the statement(s) filed 08 Jan 2021 . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

2015315007 Targeted delivery of tertiary amine-containing drug substances **Seattle Genetics, Inc.** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015318702 Image recognition system and method **Temasek Life Sciences Laboratory Limited** The nature of the amendment is as shown in the statement(s) filed 19 Feb 2021 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2016**

2016250542 Method and system for harvesting biological tissue **Medline Industries, Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Feb 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016268514 Coating apparatus **LANDA LABS (2012) LTD** The nature of the amendment is as shown in the statement(s) filed 05 Feb 2021 . Address for service - Belyea IP PO Box 1011 ELSTERNWICK VIC 3185 AU

2016326721 FLT3 directed car cells for immunotherapy **Cytoimmune Therapeutics, LLC** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2021 . Address for service - HENRY HUGHES IP LTD PO Box 356 Wellington 6140 NZ

**2017**

2017246452 MDM2 protein degraders **The Regents of the University of Michigan** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017331380 Anti-CD27 antibodies **Merck Sharp & Dohme Corp. ; Merck Sharp & Dohme B.V.** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018101435 Skylight Assembly and Light Assembly **Delta Panels Pty Ltd** The nature of the amendment is as shown in the

**Amendments**

statement(s) filed 02 Feb 2021 . Address for service - Michael Buck IP  
PO Box 78 Red Hill QLD 4059 AU

2018262109 Thermal energy storage apparatus **Climate Change Technologies Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 16 Oct 2020 . Address for service - COOPER IP PTY. LTD. 181 Bay Street Brighton VIC 3186 AU

**2019**

2019101382 Formwork System **CSR Building Products Limited** The nature of the amendment is as shown in the statement(s) filed 08 Sep 2020 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2019200392 METHODS OF DIFFERENTIATING STEM CELLS BY MODULATING MIR-124 **Accelerated BioSciences Corp.** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2019202884 Bile acid recycling inhibitors for treatment of pediatric cholestatic liver diseases **Shire Human Genetic Therapies, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Feb 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019213441 Device, method, and graphical user interface for synchronizing two or more displays **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2021 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**Amendments Made****2011**

2011307608 **AstraZeneca AB; Nektar Therapeutics** The nature of the amendment is: Amend the name of the inventor to read Åslund, Bengt Leonard; Aurell, Carl-Johan; Bohlin, Martin Hans; Sebhatu, Tesfai; Ymén, Bo Ingvar; Healy, Eric Thomas; Jensen, David Richard; Jonaitis, David Thomas; Parent, Stephan and Lechuga-Ballesteros, David

**2014**

2014347669 **Medial Research Ltd.** The nature of the amendment is as shown in the statements filed 10 Aug 2020 and 5 Nov 2020

**2015**

2015295046 **De La Rue International Limited** The nature of the amendment is as shown in the statement filed 25 Nov 2020

2015321681 **Earth Technologies USA Limited** The nature of the amendment is as shown in the statement filed 09 Nov 2020

2015341490 **Indivior UK Limited** The nature of the amendment is as shown in the statement filed 24 Nov 2020

2015378597 **Raytheon Company** The nature of the amendment is as shown in the statement filed 27 Nov 2020

**Amendments****2016**

2016200303 **Roomtmove Pty Ltd; Austral Plywoods Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2016102457

2016220766 **Kissei Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read Fc-fused high affinity IgE receptor  $\alpha$ -chain

2016280624 **Joint Purification Systems, Inc.** The nature of the amendment is: Amend the name of the inventor to read De Beaubien, Brian C.; Bowman, Brian; Arnold, Benjamin; Lin, Erika; Peña, Kristen and John, Tina

2016321163 **Scoperta, Inc.** The nature of the amendment is: Amend the invention title to read Non-magnetic, strong carbide forming alloys for powder manufacture

2016387346 **Vertiv Corporation** The nature of the amendment is: Amend the name of the inventor to read Matorić, Ivan; Uzelac, Goran; Rančić, Denis and Crnogorac, Mislav

**2017**

2017220384 **Rooyenburg Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2017101899

2017240275 **Verplas Limited** The nature of the amendment is: Amend the invention title to read A SYSTEM FOR CONNECTING TWO VENTILATION DUCT SECTIONS TO EACH OTHER

2017254665 **Centro de Investigaciones Energeticas, Medioambientales Y Tecnologicas, O.A., M.P.; Fundacion Instituto de Investigacion Sanitaria Fundacion Jimenez Diaz; Consorcio Centro de Investigacion Biomedica en Red, M.P.** The nature of the amendment is as shown in the statement filed 23 Nov 2020

2017255935 **Novihum Technologies GmbH** The nature of the amendment is: Amend the invention title to read METHOD FOR PRODUCING AN ORGANIC FERTILIZER WITH HUMIC PROPERTIES

2017265140 **Xencor, Inc.** The nature of the amendment is as shown in the statement filed 11 Nov 2020

2017281426 **The Scripps Research Institute** The nature of the amendment is: Amend the name of the inventor to read Andahazy, Wil Joseph; Chatterjee, Arnab K.; McNamara, Case W.; Beasley, Federico C.; Eliassen, Anders Mikal; Petrassi, Hank Michael James; Roland, Jason T.; Wells, Timothy; Zatulochnaya, Olga Vladimirovna; Zhou, Fei; Schultz, Peter G. and Gupta, Anil Kumar

**2018**

2018214979 **Acceleron Pharma Inc.** The nature of the amendment is: Amend the invention title to read TGF $\beta$  and ActRII antagonists for use in increasing immune activity

2018227291 **Excelsior Pharmatech Labs; Lane, H.** The nature of the amendment is: Amend the name of the inventor to read Lane, Hsien-Yuan and Pin-Chen, Yang

**Amendments**

2018271107 **Apple Inc.** The nature of the amendment is as shown in the statement filed 26 Nov 2020

2018282404 **Apple Inc.** The nature of the amendment is: Amend the invention title to read Touch-sensitive button

2018368407 **Hai Robotics Co., Ltd.** The nature of the amendment is: Amend the invention title to read Handling robot and method for retrieving inventory item based on handling robot

**2019**

2019200406 **TTI (MACAO COMMERCIAL OFFSHORE) LIMITED** The nature of the amendment is: Application is to proceed under the number 2019101783

2019204182 **General Atomics** The nature of the amendment is as shown in the statement filed 13 Nov 2020

2019240683 **STRYKER EUROPEAN HOLDINGS I, LLC** The nature of the amendment is: Amend the invention title to read LUMBAR-SACRAL SCREW INSERTION AND MANIPULATION

2019262937 **Becton, Dickinson and Company** The nature of the amendment is: Amend the name of the inventor to read WILKINSON, Bradley M. and KOLB, Matthew Lee

2019270422 **Brita GmbH** The nature of the amendment is: Amend the name of the inventor to read BUT, Alexej; DUCHARDT, Thomas; LUX, Stefan and RAZIN, Denis

2019275767 **Beijing SMTP Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read FLUID FLOW METAL SLEEVE

2019291608 **Shanghai Hongyan Returnable Transit Packagings Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read FANG, Zheng Wei

2019299152 **Daiichi Sankyo Company, Limited** The nature of the amendment is as shown in the statement filed 04 Feb 2021

2019300119 **Adler Ortho S.P.A.; I-Ethos Medical Ltd** The nature of the amendment is: Amend the name of the inventor to read WHITWELL, Duncan; TAYLOR, Adrian; KENDRICK, Ben; HIGGS, Deborah; FALWORTH, Mark; GIBBONS, Max; COSKER, Tom; PARRY, Mike; STEVENSON, Jonathan; JOHNSTON, Andy; SOMMERVILLE, Scott; JOHNSON, Luke; BOYLE, Richard; BLUNN, Gordon; DADIA, Solomon and GIKAS, Panos

2019300427 **Ethera; Centre National De La Recherche Scientifique; Commissariat à l'Énergie Atomique et aux Énergies Alternatives (CEA)** The nature of the amendment is as shown in the statement filed 29 Jan 2021

2019302604 **Bai Yao Zhi DA (Beijing) Nanobio Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read Nucleic acid nanoparticles, pharmaceutical composition comprising same, drug comprising doxorubicin and preparation method thereof

**Amendments**

2019304278 **AL&AM Pharmachem Ltd.** The nature of the amendment is: Amend the invention title to read Process for purification of tetrahydrocannabinolic- and cannabidiolic acid from plant material extract

2019306721 **The University of Tokyo; St. Marianna University School of Medicine** The nature of the amendment is: Amend the invention title to read Therapeutic or prophylactic agent for HTLV-1-associated myelopathy (HAM), and method for treating HAM

2019307937 **Simulated Inanimate Models, LLC** The nature of the amendment is: Amend the name of the inventor to read STONE, Jonathan; GRIFFITH, Steven and STONE, Nelson N.

2019310594 **Zepto Life Technology, LLC** The nature of the amendment is: Amend the name of the inventor to read KLEIN, Todd Michael; SONG, Keping; BRENK, Victor Reed; LI, Minggan; RHEAULT, Chad Brian; WANG, Wei and MENDONSA, Gemma Roselle

2019310601 **Zepto Life Technology, LLC** The nature of the amendment is: Amend the name of the inventor to read KLEIN, Todd Michael; WANG, Wei; SU, Yi-Hsuan; STUYVENBERG, Ian and MENDONSA, Gemma Roselle

2019313138 **i-SENS, Inc.** The nature of the amendment is: Amend the name of the inventor to read CHAE, Kyung Chul; CHOI, Hyun Ho; RYU, Goang Yel; WANG, Ji Hoon and KANG, Young Jea

2019314915 **Anhui Mingxin Metal Products Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2019101784

2019318765 **Techtronic Cordless GP** The nature of the amendment is as shown in the statement filed 05 Feb 2021

2019318765 **Techtronic Cordless GP** The nature of the amendment is: Application is to proceed under the number 2019101785

2019322590 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secure joining system, method, secure computing apparatus and program

2019322591 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secure joining information generation system, secure joining system, methods therefor, secure computing apparatus and program

2019322795 **The Methodist Hospital System** The nature of the amendment is: Amend the name of the inventor to read WANG, Rongfu; WANG, Yicheng; ZHANG, Lili and QIAN, Chen

2019324737 **Saferoads Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2019101787

2019331101 **Watt Car Industries Ltd.** The nature of the amendment is: Amend the invention title to read A GERBILLING-PROOF MONOWHEEL VEHICLE

2019331405 **Watt Fuel Cell Corp.** The nature of the amendment is: Amend the name of the inventor to read FINNERTY, Caine M.; DEWALD, Paul; ISENBERG, Mathew; SEIL, William and GROGAN, Robert



**Amendments**

2019342117 **Arrowhead Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 22 Feb 2021

2019399813 **Beijing Focused Loong Technology Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2019101786

**2020**

2020203051 **Matchbox Exchange Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2020104415

2020203051 **Matchbox Exchange Pty Ltd** The nature of the amendment is as shown in the statement filed 01 Feb 2021

2020314815 **Changsha University of Science & Technology** The nature of the amendment is: Application is to proceed under the number 2020104416

**2021**

2021200718 **Baiera, V.J.** The nature of the amendment is: Amend the priority details to read 16/782,410 05 Feb 2020 US and 17/087,448 02 Nov 2020 US

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

**2002**

2002362934 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

**2003**

2003203978 **Veyance Technologies, Inc.** The name of the patentee has been altered to **ContiTech USA, Inc.**

2003247231 **Innocore Technologies B.V.** The name of the patentee has been altered to **InnoCore Technologies Holding B.V.**

**2005**

2005205409 **Innocore Technologies B.V.** The name of the patentee has been altered to **InnoCore Technologies Holding B.V.**

2005232696 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

**2006**

2006233215 **Veyance Technologies, Inc.** The name of the patentee has been altered to **ContiTech USA, Inc.**

**2008**

2008310586 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

**2012**

2012200024 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

2012200026 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

**Amendments**

2012287577 **Innocore Technologies B.V.** The name of the patentee has been altered to **InnoCore Technologies Holding B.V.**

**2014**

2014232965 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

**2016**

2016291578 **Arvinas, Inc.** The name of the applicant has been altered to **Arvinas Operations, Inc.**

2016385541 **Wuhan Wuda Zoyon Science and Technology Co., Ltd** The name of the patentee has been altered to **Wuhan Optics Valley Zoyon Science and Technology Co., Ltd.**

**2017**

2017204521 **Hydropac/Lab Products, Inc.** The name of the patentee has been altered to **Hydropac, LLC**

2017302509 **Rinovum Subsidiary 2, LLC** The name of the applicant has been altered to **Ovala, Inc.**

2017302514 **Rinovum Subsidiary 2, LLC** The name of the applicant has been altered to **Ovala, Inc.**

2017321445 **Kotobuki Tsushou Co., Ltd.** The name of the patentee has been altered to **Kotobuki Holdings Co., Ltd.**

2017360746 **CREAL3D SA** The name of the applicant has been altered to **CREAL SA**

**2018**

2018227291 **Excelsior Pharmatech Labs; Hsien-Yuan, Lane** The name of the applicant has been altered to **Excelsior Pharmatech Labs; Lane, H.**

2018257495 **Rinovum Subsidiary 2, LLC** The name of the applicant has been altered to **Ovala, Inc.**

2018374556 **Zenotop Limited** The name of the applicant has been altered to **St Andrews Pharmaceutical Technology Ltd**

2018400861 **Kotobuki Tsushou Co., Ltd.** The name of the applicant has been altered to **Kotobuki Holdings Co., Ltd.**

2018400897 **Kotobuki Tsushou Co., Ltd.** The name of the applicant has been altered to **Kotobuki Holdings Co., Ltd.**

2018411731 **AgriTechnology Pty Ltd; Ingredients Advisory Services Pty Ltd** The name of the applicant has been altered to **AgriTechnology Pty Ltd; Ingredient Advisory Services Pty Ltd**

2018416242 **Kotobuki Tsushou Co., Ltd.** The name of the applicant has been altered to **Kotobuki Holdings Co., Ltd.**

**Amendments****2019**

2019281026 Institut für Verbundwerkstoffe GmbH The name of the applicant has been altered to **Leibniz-Institut für Verbundwerkstoffe GmbH**

2019281223 Zenotop Limited The name of the applicant has been altered to **St Andrews Pharmaceutical Technology Ltd**

2019283952 Kotobuki Tsushou Co., Ltd. The name of the applicant has been altered to **Kotobuki Holdings Co., Ltd.**

2019298994 JouleCase LLC The name of the applicant has been altered to **JOULE CASE INC.**

2019301648 Hollister Corporation The name of the applicant has been altered to **Hollister Incorporated**

2019366249 GE Global Sourcing LLC The name of the applicant has been altered to **Transportation IP Holdings, LLC**

**2020**

2020289766 Kotobuki Tsushou Co., Ltd. The name of the applicant has been altered to **Kotobuki Holdings Co., Ltd.**

2020289826 Tompkins Robotics, LLC The name of the applicant has been altered to **Tompkins Robotics, Inc.**

2020903610 GLOMESH INTL PTY LTD The name of the applicant has been altered to **Goldberg, D.**

**2021**

2021100785 Institute of Geology and Geophysics, Chinese Academy of Sciences The name of the applicant has been altered to **The Third Geological Exploration Institute of Qinghai Province**

2021100893 Sharma, Deepak Sharma; Sinha, Garima; Thakur, Nilesingh V.; Pallathadka, HariKumar; Choudhary, Alka; Choudhry, Rachna The name of the applicant has been altered to **Sharma, D.; Sinha, G.; Thakur, N.V.; Pallathadka, H.; Choudhary, A.; Choudhry, R.**

2021200191 ITA Information Networking Computing UK Limited The name of the applicant has been altered to **SITA Information Networking Computing UK Limited**

2021900484 Rig Technologies Pty Ltd The name of the applicant has been altered to **Rig Technologies International Pty Ltd**

2021900485 Rig Technologies Pty Ltd The name of the applicant has been altered to **Rig Technologies International Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 2C Holdings Pty Ltd  
 (11) AU-A-2021201189  
 (21) 2021201189 (22) 24.02.2021  
 (54) A pipe wear monitoring system and method of use thereof  
 (51) Int. Cl.  
     **G01B 7/02** ( 2006.01 )  
     **F16L 57/06** ( 2006.01 )  
     **F17D 5/02** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2020233677  
 (72) EAMES, Colin Neil; VAUGHAN, Corey  
 (74) Davies Collison Cave Pty Ltd

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(71) 360 Hip Systems Pty Limited  
 (11) AU-A-2020220092  
 (21) 2020220092 (22) 18.08.2020  
 (54) Surgical guide system  
 (51) Int. Cl.  
     **A61B 17/84** ( 2006.01 )  
     **A61B 17/15** ( 2006.01 )  
     **A61B 17/17** ( 2006.01 )  
     **A61B 17/64** ( 2006.01 )  
 (31) 2019903034 (32) 20.08.19 (33) AU  
 (43) 11.03.2021  
 (72) Jacka, Will; Pinchen, Dean Luke; Miles, Brad Peter; O'Connor, Peter Bede  
 (74) FB Rice Pty Ltd

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(71) 3M Innovative Properties Company  
 (11) AU-A-2020223627  
 (21) 2020223627 (22) 24.08.2020  
 (54) Computer system and method for concurrent clinical document improvement and coding  
 (51) Int. Cl.  
     **G06Q 10/06** ( 2012.01 )  
     **G06Q 50/10** ( 2012.01 )  
 (31) 62/890,698 (32) 23.08.19 (33) US  
 (43) 11.03.2021  
 (72) Salomon, Julie A.; Ortiz, Diana M.; Seese, Jeffrey S.; Imburgia, Julie L.; Bayless, Christine F.  
 (74) Davies Collison Cave Pty Ltd

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(71) Ab Initio Technology LLC  
 (11) AU-A-2021201067  
 (21) 2021201067 (22) 18.02.2021  
 (54) EDITING AND COMPILING BUSINESS RULES  
 (51) Int. Cl.  
     **G06F 9/44** ( 2018.01 )  
     **G06N 5/04** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019204148  
 (72) Gould, Joel  
 (74) RnB IP Pty Ltd

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(71) Ablynx NV  
 (11) AU-A-2021201150  
 (21) 2021201150 (22) 22.02.2021  
 (54) Kv1.3 binding immunoglobulins  
 (51) Int. Cl.  
     **C07K 16/28** ( 2006.01 )  
     **A61P 37/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015276084  
 (72) Van Hoorick, Diane; Depla, Erik; Verdonck, Frank Kamiel Delphina; Delanote, Veerle; Janssen, Daniel; Descamps, Francis; Labadia, Mark Edward; Mikhail, Ann; Waterman, Alisa K.  
 (74) Shelston IP Pty Ltd.

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(71) Acceleron Pharma, Inc.  
 (11) AU-A-2021201185  
 (21) 2021201185 (22) 24.02.2021  
 (54) Methods and compositions for treating ulcers  
 (51) Int. Cl.  
     **C07K 19/00** ( 2006.01 )  
     **A61K 38/18** ( 2006.01 )  
     **A61K 39/395** ( 2006.01 )  
     **A61P 17/02** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015274277  
 (72) Attie, Kenneth M.  
 (74) Shelston IP Pty Ltd.

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(71) Acceleron Pharma, Inc.  
 (11) AU-A-2021201196  
 (21) 2021201196 (22) 24.02.2021  
 (54) Methods and compositions for increasing red blood cells  
 (51) Int. Cl.  
     **A61K 38/19** ( 2006.01 )  
     **A61P 7/06** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2018202326  
 (72) Kumar, Ravindra; Suragani, Naga Venkata Sai Rajasekhar; Knopf, John  
 (74) Shelston IP Pty Ltd.

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(71) Acceleron Pharma Inc.  
 (11) AU-A-2021201063  
 (21) 2021201063 (22) 18.02.2021  
 (54) ALK1 receptor and ligand antagonists and uses thereof  
 (51) Int. Cl.  
     **C07K 14/71** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2018279010  
 (72) Grinberg, Asya; Seehra, Jasbir; Pearsall, Robert Scott; Kumar, Ravindra; Knopf, John  
 (74) Davies Collison Cave Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2021200046  
 (21) 2021200046 (22) 06.01.2021  
 (54) APPROACHES FOR KNOWLEDGE GRAPH PRUNING BASED ON SAMPLING AND INFORMATION GAIN THEORY  
 (51) Int. Cl.  
     **G06N 5/02** ( 2006.01 )  
     **G06F 16/24** ( 2019.01 )  
     **G06F 16/2453** ( 2019.01 )  
     **G06F 16/2458** ( 2019.01 )  
 (43) 11.03.2021  
 (62) 2019210614  
 (72) TUNG, Teresa Sheausan; PURI, Colin Anil; WANG, Zhijie  
 (74) Murray Trento & Associates Pty Ltd

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(71) Acres Technology  
 (11) AU-A-2021201037  
 (21) 2021201037 (22) 17.02.2021  
 (54) Dispatch System Having Control Shared with Dispatched Service Providers  
 (51) Int. Cl.  
     **G06Q 50/10** ( 2012.01 )  
     **A63F 13/00** ( 2014.01 )  
     **H04M 3/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015202163  
 (72) Acres, John F.; Parker, Kevin; McCurry, Andrea  
 (74) Golja Haines & Friend

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**ADC Czech Republic s.r.o. see Tyco Electronics Raychem BVBA**  
 (21) 2021201049

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(71) Adobe Inc.  
 (11) AU-A-2020203790  
 (21) 2020203790 (22) 09.06.2020  
 (54) TRANSFORMED MULTI-SOURCE CONTENT AWARE FILL  
 (51) Int. Cl.  
     **G06T 5/00** ( 2006.01 )  
     **G06K 9/62** ( 2006.01 )  
 (31) 16/548,498 (32) 22.08.19 (33) US  
 (43) 11.03.2021  
 (72) Amirghodsi, Sohrab; Shechtman, Elya; Barnes, Connelly  
 (74) RnB IP Pty Ltd

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(71) Advanced New Technologies Co., Ltd.  
 (11) AU-A-2021201095  
 (21) 2021201095 (22) 19.02.2021  
 (54) Calculating individual carbon footprints  
 (51) Int. Cl.  
     **G06Q 10/00** ( 2012.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 11.03.2021  
 (62) 2017315411  
 (72) JIN, Huajing; Xu, Di; Li, Zhenhua; Bai, Xue  
 (74) Spruson & Ferguson

(71) Advantek Waste Management Services, LLC  
 (11) AU-A-2021201098  
 (21) 2021201098 (22) 19.02.2021  
 (54) Optimizing waste slurry disposal in fractured injection operations  
 (51) Int. Cl.  
*E21B 43/26* ( 2006.01 )  
*E21B 43/17* ( 2006.01 )

(43) 11.03.2021  
 (62) 2018285940  
 (72) EL KHOLY, Sherif M.; ABOU-SAYED, Omar; MOHAMED, Ibrahim M.; ABOU-SAYED, Ahmed  
 (74) Spruson & Ferguson

(71) Afiniti Europe Technologies Limited  
 (11) AU-A-2021201092  
 (21) 2021201092 (22) 19.02.2021  
 (54) TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
*H04M 3/523* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019200354  
 (72) Chishtii, Zia  
 (74) AJ PARK

(71) Afton Chemical Corporation  
 (11) AU-A-2021201153  
 (21) 2021201153 (22) 22.02.2021  
 (54) SYNERGISTIC DISPERSANTS  
 (51) Int. Cl.  
*C10M 141/06* ( 2006.01 )  
*C10M 141/02* ( 2006.01 )  
*C10M 169/04* ( 2006.01 )  
*C10M 177/00* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2017202987  
 (72) Campbell, Diane; Lagona, Jason  
 (74) Davies Collison Cave Pty Ltd

(71) Agios Pharmaceuticals, Inc.  
 (11) AU-A-2021200494  
 (21) 2021200494 (22) 27.01.2021  
 (54) Methods of preparing 6-(aryl or heteroaryl)-1,3,5-triazine-2,4-diols and 6-(aryl or heteroaryl)-1,3,5-triazine-2,4-diamines  
 (51) Int. Cl.  
*C07D 401/04* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016303614  
 (72) ZHANG, Shijie  
 (74) FB Rice Pty Ltd

(71) Agrivida, Inc.  
 (11) AU-A-2021201026  
 (21) 2021201026 (22) 17.02.2021  
 (54) Glucanase production and methods of using the same  
 (51) Int. Cl.  
*C12N 15/52* ( 2006.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 9/24* ( 2006.01 )  
*C12N 15/00* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016260521  
 (72) Raab, R. Michael; Bougri, Oleg; Li, Xuemei  
 (74) Dark IP

(71) Air Sanz Holdings Pty Ltd  
 (11) AU-A-2021200960  
 (21) 2021200960 (22) 13.02.2021  
 (54) AIR PURIFYING APPARATUS, METHOD & SYSTEM  
 (51) Int. Cl.  
*B01D 46/00* ( 2006.01 )  
*A45D 20/00* ( 2006.01 )  
*A47K 10/48* ( 2006.01 )  
*A47L 9/02* ( 2006.01 )  
*A61L 9/00* ( 2006.01 )  
*D06F 58/00* ( 2020.01 )  
*F24F 3/16* ( 2021.01 )  
 (43) 11.03.2021  
 (62) 2018201853  
 (72) Rubin, Richard Harold  
 (74) Roger Syn & Co. Patent & Trade Mark Attorneys

(71) Alexza Pharmaceuticals, Inc.  
 (11) AU-A-2021201111  
 (21) 2021201111 (22) 19.02.2021  
 (54) Use of antistatic materials in the airway for thermal aerosol condensation process  
 (51) Int. Cl.  
*A61M 11/04* ( 2006.01 )  
*A61K 9/12* ( 2006.01 )  
*A61M 15/02* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2018264013  
 (72) Myers, Daniel J.; Kubel, Khe; Cassella, James  
 (74) Davies Collison Cave Pty Ltd

(71) Allergan Industrie, SAS  
 (11) AU-A-2021201247  
 (21) 2021201247 (22) 25.02.2021  
 (54) Hyaluronic acid based formulations  
 (51) Int. Cl.  
*A61L 27/20* ( 2006.01 )  
*A61L 27/50* ( 2006.01 )  
*A61L 27/52* ( 2006.01 )  
*A61L 27/58* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019203264  
 (72) Lebreton, Pierre; Guetta, Olivier  
 (74) Davies Collison Cave Pty Ltd

(71) Amazentis SA  
 (11) AU-A-2021201143

(21) 2021201143 (22) 22.02.2021  
 (54) Compositions comprising an urolithin compound  
 (51) Int. Cl.  
*A23L 2/00* ( 2006.01 )  
*A61K 31/366* ( 2006.01 )  
*A61K 38/01* ( 2006.01 )  
*A61P 21/00* ( 2006.01 )  
*C07D 311/80* ( 2006.01 )  
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 (62) 2016314988  
 (72) ANDREUX, Penelope; RINSCH, Christopher; BLANCO-BOSE, William  
 (74) FB Rice Pty Ltd

(71) Amgen Inc.  
 (11) AU-A-2021200990  
 (21) 2021200990 (22) 15.02.2021  
 (54) Reducing Viscosity of Pharmaceutical Formulations  
 (51) Int. Cl.  
*A61K 47/18* ( 2017.01 )  
*A61K 9/19* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015335743  
 (72) Sloey, Christopher James; Kanapuram, Sekhar  
 (74) WRAYS PTY LTD

(71) Angel Playing Cards Co., Ltd.  
 (11) AU-A-2021200956  
 (21) 2021200956 (22) 12.02.2021  
 (54) CARD SHOE APPARATUS AND TABLE GAME SYSTEM  
 (51) Int. Cl.  
*A63F 1/14* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019202529  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Antecip Bioventures II LLC  
 (11) AU-A-2021200981  
 (21) 2021200981 (22) 15.02.2021  
 (54) Methods of modulating drug plasma levels using erythrohydroxybupropion  
 (51) Int. Cl.  
*A61K 31/485* ( 2006.01 )  
*A61K 31/137* ( 2006.01 )  
 (43) 11.03.2021  
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 (72) Tabuteau, Herriot  
 (74) RnB IP

(71) Anthony Innovations Pty Ltd  
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 (54) ADJUSTABLE ROLLER ASSEMBLY  
 (51) Int. Cl.  
*E05D 15/06* ( 2006.01 )  
 (31) 2019903088 (32) 23.08.19 (33) AU  
 (43) 11.03.2021  
 (72) HOOKE, Oscar  
 (74) Griffith Hack

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 (11) AU-A-2021201024  
 (21) 2021201024 (22) 17.02.2021  
 (54) Portable electronic device  
 (51) Int. Cl.  
*H04M 99/00* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019240694  
 (72) JARVIS, Daniel W.; QUINONES, Michael D.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2021201059  
 (21) 2021201059 (22) 18.02.2021  
 (54) Coordination of message alert presentations across devices based on device modes  
 (51) Int. Cl.  
*H04L 12/58* ( 2006.01 )  
*H04W 4/90* ( 2018.01 )  
 (43) 11.03.2021  
 (62) 2020200028  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2021201130  
 (21) 2021201130 (22) 22.02.2021  
 (54) Physical activity and workout monitor  
 (51) Int. Cl.  
*G06F 19/00* ( 2018.01 )  
 (43) 11.03.2021  
 (62) 2019250251  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2021201167  
 (21) 2021201167 (22) 23.02.2021  
 (54) User interfaces for capturing and managing visual media  
 (51) Int. Cl.  
*G06F 3/048* ( 2013.01 )  
 (43) 11.03.2021  
 (62) 2020277216  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2021201243  
 (21) 2021201243 (22) 25.02.2021  
 (54) Continuity  
 (51) Int. Cl.  
*H04W 80/00* ( 2009.01 )  
*G06F 15/16* ( 2006.01 )  
*H04L 29/06* ( 2006.01 )  
*H04N 21/47* ( 2011.01 )  
*H04W 4/00* ( 2018.01 )  
 (43) 11.03.2021  
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 (72) YANG, Lawrence Y.; COFFMAN, Patrick L.; FEDERIGHI, Craig M.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Applied Aged Care Solutions Pty Ltd  
 (11) AU-A-2021201115  
 (21) 2021201115 (22) 19.02.2021  
 (54) A workforce allocation method  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2019201932  
 (72) ROSEWARNE, Richard  
 (74) FB Rice Pty Ltd

(71) Arbutus Biopharma Corporation  
 (11) AU-A-2021201075  
 (21) 2021201075 (22) 19.02.2021  
 (54) Novel lipids and compositions for the delivery of therapeutics  
 (51) Int. Cl.  
*A01N 43/04* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Arbutus Biopharma Corporation  
 (11) AU-A-2021201228  
 (21) 2021201228 (22) 25.02.2021  
 (54) Improved lipid formulation  
 (51) Int. Cl.  
*C07C 211/00* ( 2006.01 )  
*A61K 9/127* ( 2006.01 )  
*A61K 31/20* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) ARCHER-DANIELS-MIDLAND COMPANY  
 (11) AU-A-2021201058  
 (21) 2021201058 (22) 18.02.2021

(54) METHODS FOR REDUCING CONTAMINANTS IN AGRICULTURAL COMMODITIES WITH HUMID OZONE  
 (51) Int. Cl.  
*A61L 2/20* ( 2006.01 )  
*A21D 2/04* ( 2006.01 )  
*A23B 4/14* ( 2006.01 )  
*A23B 7/144* ( 2006.01 )  
*A23B 9/18* ( 2006.01 )  
*A61L 101/10* ( 2006.01 )  
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 (72) DOANE, Perry; JOHNSON, Aaron  
 (74) AJ PARK

(71) Aristocrat Technologies Australia Pty Limited  
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 (21) 2019222967 (22) 30.08.2019  
 (54) SYSTEM AND METHOD OF PROVIDING A HOLD AND SPIN FEATURE GAME WITH REEL EXPANSION  
 (51) Int. Cl.  
*A63F 13/00* ( 2014.01 )  
*A63F 9/24* ( 2006.01 )  
 (31) 62/890,499 (32) 22.08.19 (33) US  
 (43) 11.03.2021  
 (72) LA GUARDIA, Chad; MARKS, Daniel; SHERIDAN, Kaitlin; HUGAR, Edward; LOPEZ, Juan; YE, Edmond; WONG, Courtni; DECKER, Christopher  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2021201214  
 (21) 2021201214 (22) 24.02.2021  
 (54) ELECTRONIC GAMING SYSTEM WITH DYNAMIC RETURN TO PLAYER AND METHOD OF USE  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 13/00* ( 2014.01 )  
 (43) 11.03.2021  
 (62) 2019202723  
 (72) PENACHO, Gary Joseph; POWER, Kieran  
 (74) Griffith Hack

(71) Arizona Board of Regents on Behalf of Arizona State University  
 (11) AU-A-2021201137  
 (21) 2021201137 (22) 22.02.2021  
 (54) Phenothiazine analogues as mitochondrial therapeutic agents  
 (51) Int. Cl.  
*C07D 279/18* ( 2006.01 )  
*A61K 31/5415* ( 2006.01 )  
 (43) 11.03.2021  
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 (72) HECHT, Sidney; KHDOUR, Omar; CHOWDHURY, Sandipan Roy; BANDYOPADHAY, Indrajit  
 (74) Spruson & Ferguson

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 (11) AU-A-2021201038  
 (21) 2021201038 (22) 17.02.2021  
 (54) Firearm systems and methods  
 (51) Int. Cl.  
*F41A 15/14* ( 2006.01 )  
*F41A 3/26* ( 2006.01 )  
*F41A 3/30* ( 2006.01 )  
*F41A 3/62* ( 2006.01 )  
*F41A 3/70* ( 2006.01 )  
*F41A 5/24* ( 2006.01 )  
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 (74) Spruson & Ferguson

(71) Ausplow Pty. Ltd.  
 (11) AU-A-2020220166  
 (21) 2020220166 (22) 20.08.2020  
 (54) Section control system  
 (51) Int. Cl.  
*A01C 7/08* ( 2006.01 )  
*A01C 7/06* ( 2006.01 )  
 (31) 2019903067 (32) 22.08.19 (33) AU  
 (43) 11.03.2021  
 (72) Trushin, Alexander  
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(71) Australian Pork Limited  
 (11) AU-A-2021201066  
 (21) 2021201066 (22) 18.02.2021  
 (54) Traceability of swine tissue  
 (51) Int. Cl.  
*G06Q 50/02* ( 2012.01 )  
*G01N 33/12* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
*G06Q 10/00* ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2018259168  
 (72) Lee, Garry; Watling, John  
 (74) FB Rice Pty Ltd

(71) Bavarian Nordic A/S  
 (11) AU-A-2021200985  
 (21) 2021200985 (22) 15.02.2021  
 (54) Compositions and methods vectors for inducing an enhanced immune response using poxvirus vectors  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2014356546  
 (72) Hausmann, Jurgen; Wolferstatter, Michael  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Baxter Corporation Englewood  
 (11) AU-A-2021201053  
 (21) 2021201053 (22) 18.02.2021  
 (54) MANAGED MEDICAL INFORMATION EXCHANGE  
 (51) Int. Cl.  
*G06Q 50/22* ( 2018.01 )

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 (72) VALENTINE, Matthew A.; PADMANI, Bhavesh; BOSSIO, Robert; YEVESEYEVA, Kristina; MODEKURTI, Srinivas  
 (74) K&L Gates

(71) Bayer CropScience Aktiengesellschaft  
 (11) AU-A-2021201159  
 (21) 2021201159 (22) 23.02.2021  
 (54) New uses of 2-(2,4-dichlorophenyl)methyl-4,4-dimethyl-3-isoxazolidone as foliar herbicide  
 (51) Int. Cl.  
*A01N 25/32* ( 2006.01 )  
*A01N 33/18* ( 2006.01 )  
*A01N 33/22* ( 2006.01 )  
*A01N 37/40* ( 2006.01 )  
*A01N 39/04* ( 2006.01 )  
*A01N 43/40* ( 2006.01 )  
*A01N 43/56* ( 2006.01 )  
*A01N 43/707* ( 2006.01 )  
*A01N 43/80* ( 2006.01 )  
*A01N 47/36* ( 2006.01 )  
*A01N 47/38* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016307232  
 (72) Tossens, Herve; Perez Catalan, Julio; Auler, Thomas; Menne, Hubert  
 (74) Davies Collison Cave Pty Ltd

(71) Bayer CropScience Aktiengesellschaft  
 (11) AU-A-2021201187  
 (21) 2021201187 (22) 24.02.2021  
 (54) 2-(het)aryl-substituted condensed heterocyclic derivatives as pest control agents  
 (51) Int. Cl.  
*C07D 401/14* ( 2006.01 )  
*A01N 43/52* ( 2006.01 )  
*A01N 43/653* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*C07D 235/18* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 403/10* ( 2006.01 )  
*C07D 409/10* ( 2006.01 )  
*C07D 409/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 498/04* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016307233  
 (72) Fischer, Rüdiger; Wilcke, David; Kausch-Busies, Nina; Hager, Dominik; Ilg, Kerstin; Hoffmeister, Laura; Willot, Matthieu; Portz, Daniela; Görgens, Ulrich; Turberg, Andreas  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021201188  
 (21) 2021201188 (22) 24.02.2021  
 (54) 2-(het)aryl-substituted condensed heterocyclic derivatives as pest control agents  
 (51) Int. Cl.

*C07D 401/14* ( 2006.01 )  
*A01N 43/52* ( 2006.01 )  
*A01N 43/653* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*C07D 235/18* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 403/10* ( 2006.01 )  
*C07D 409/10* ( 2006.01 )  
*C07D 409/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 498/04* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016307233  
 (72) Fischer, Rüdiger; Wilcke, David; Kausch-Busies, Nina; Hager, Dominik; Ilg, Kerstin; Hoffmeister, Laura; Willot, Matthieu; Portz, Daniela; Görgens, Ulrich; Turberg, Andreas  
 (74) Davies Collison Cave Pty Ltd

(71) Bayer New Zealand Limited  
 (11) AU-A-2021201165  
 (21) 2021201165 (22) 23.02.2021  
 (54) CONTROLLED RELEASE COMPOSITIONS AND THEIR METHODS OF USE  
 (51) Int. Cl.  
*A61K 47/44* ( 2017.01 )  
*A61K 47/02* ( 2006.01 )  
*A61P 31/00* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2017276311  
 (72) Alawi, Fadi Al; Bork, Olaf; Tucker, Ian George  
 (74) James & Wells Intellectual Property

(71) Becton, Dickinson and Company  
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 (21) 2021200944 (22) 12.02.2021  
 (54) Multi-use blood control safety catheter assembly  
 (51) Int. Cl.  
*A61M 25/00* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
*A61M 25/16* ( 2006.01 )  
*A61M 25/18* ( 2006.01 )  
*A61M 39/26* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) Becton, Dickinson and Company  
 (11) AU-A-2021201126  
 (21) 2021201126 (22) 20.02.2021  
 (54) Safety device with collapsible housing and trigger activation  
 (51) Int. Cl.  
*A61M 5/32* ( 2006.01 )

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(62) 2019283894  
(72) Browka, Edward P.; Sanders, Laurie; Nichols, Eli B.; McNeill, Phil C.; Hen-son, Robert  
(74) Dark IP
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- (71) Beth Israel Deaconess Medical Center, Inc.; Children's Medical Center Corpora-tion  
(11) AU-A-2021201217  
(21) 2021201217 (22) 25.02.2021  
(54) PRODUCTS AND METHODS TO ISOLATE MITOCHONDRIA  
(51) Int. Cl.  
B01L 3/00 ( 2006.01 )  
B01D 39/00 ( 2006.01 )  
C12M 1/00 ( 2006.01 )  
G01N 1/40 ( 2006.01 )  
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(74) Pizzeys Patent and Trade Mark Attor-neys Pty Ltd
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- (71) BGC Partners, L.P.  
(11) AU-A-2021201078  
(21) 2021201078 (22) 19.02.2021  
(54) NETWORKS FOR PACKET MONITOR-ING AND REPLAY  
(51) Int. Cl.  
H04L 12/26 ( 2006.01 )  
H04L 12/28 ( 2006.01 )  
H04L 12/841 ( 2013.01 )  
(43) 11.03.2021  
(62) 2018301304  
(72) Paul, Bijoy; Davies, Ian  
(74) Pizzeys Patent and Trade Mark Attor-neys Pty Ltd
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- (71) Biohaven Pharmaceutical Holding Company Ltd  
(11) AU-A-2021201034  
(21) 2021201034 (22) 17.02.2021  
(54) SUBLINGUAL FORMULATION OF RILUZOLE  
(51) Int. Cl.  
A61K 9/00 ( 2006.01 )  
A61K 9/08 ( 2006.01 )  
A61K 9/20 ( 2006.01 )  
A61K 31/428 ( 2006.01 )  
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(74) AJ PARK
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- (71) BioNTech Research and Development, Inc.  
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(21) 2021201054 (22) 18.02.2021  
(54) Human monoclonal antibodies to gan-glioside GD2  
(51) Int. Cl.  
C07K 16/30 ( 2006.01 )
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- A61K 39/395 ( 2006.01 )  
(43) 11.03.2021  
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(72) Scholz, Wolfgang; Sawada, Ritsuko  
(74) FB Rice Pty Ltd
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- (71) Birdie Biopharmaceuticals Inc  
(11) AU-A-2021201166  
(21) 2021201166 (22) 23.02.2021  
(54) ANTI-PD-L1 CONJUGATES FOR TREATING TUMORS  
(51) Int. Cl.  
C07K 16/30 ( 2006.01 )  
A61K 31/4375 ( 2006.01 )  
A61K 31/4745 ( 2006.01 )  
A61K 31/708 ( 2006.01 )  
A61K 45/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
(43) 11.03.2021  
(62) 2015311400  
(72) Li, Lixin; LAU, Walter  
(74) K&L Gates
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- (71) Bluebird Bio, Inc.  
(11) AU-A-2021201147  
(21) 2021201147 (22) 22.02.2021  
(54) BCMA chimeric antigen receptors  
(51) Int. Cl.  
A61K 48/00 ( 2006.01 )  
C12N 15/861 ( 2006.01 )  
(43) 11.03.2021  
(62) 2015360845  
(72) Morgan, Richard; Friedman, Kevin  
(74) Davies Collison Cave Pty Ltd
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- (71) Boehringer Ingelheim Vetmedica GmbH  
(11) AU-A-2021201224  
(21) 2021201224 (22) 25.02.2021  
(54) PRRS virus variant, European PRRS virus cDNA clone, and uses thereof  
(51) Int. Cl.  
C12N 7/00 ( 2006.01 )  
C12N 15/86 ( 2006.01 )  
(43) 11.03.2021  
(62) 2014369774  
(72) GALLEI, Andreas; KELLER, Christoph; SCHACHT, Erik; HERREL, Marieke  
(74) FB Rice Pty Ltd
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- (71) BOE Technology Group Co., Ltd.; Chengdu BOE Optoelectronics Techno-logy Co., Ltd.  
(11) AU-A-2019275624  
(21) 2019275624 (22) 21.08.2019  
(54) Display substrate and manufacturing method thereof, and display device  
(51) Int. Cl.  
G09G 3/36 ( 2006.01 )  
(43) 11.03.2021  
(72) Zeng, Chao; Huang, Weiyun; Long, Yue; Huang, Yao; Li, Meng  
(74) Griffith Hack
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- (71) BRISTOL-MYERS SQUIBB COMPANY  
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(21) 2021201231 (22) 25.02.2021
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- (54) ANTIBODIES TO TIGIT  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
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B09B 5/00 ( 2006.01 )  
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(74) Patenteur Pty Ltd
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*C12P 21/08* ( 2006.01 )  
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**A61M 39/16** ( 2006.01 )  
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**C07D 207/277** ( 2006.01 )  
**A01N 43/36** ( 2006.01 )  
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**A01N 43/50** ( 2006.01 )  
**A01N 43/76** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
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- (51) Int. Cl.  
**C07K 14/14** ( 2006.01 )  
**A61K 39/15** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )
- (43) 11.03.2021  
(62) 2017204942  
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(74) FB Rice Pty Ltd
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(11) AU-A-2021200988  
(21) 2021200988 (22) 15.02.2021  
(54) Gene therapy for retinitis pigmentosa
- (51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61K 31/7105** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )
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(72) O'RIORDAN, Catherine; ADAMOWICZ, Matthew  
(74) Griffith Hack
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- (71) Georgia State University Research Foundation  
(11) AU-A-2021201207  
(21) 2021201207 (22) 24.02.2021  
(54) ANTI-ANGIOGENIC AGENT AND METHOD OF USING SUCH AGENT
- (51) Int. Cl.  
**C07K 14/705** ( 2006.01 )
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- A61K 38/17** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**A61P 27/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
- (43) 11.03.2021  
(62) 2019202174  
(72) Yang, Jenny J.; Lu, Yin; Liu, Zhi-Ren  
(74) Michael Buck IP
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- (71) Gilead Sciences, Inc.  
(11) AU-A-2021200857  
(21) 2021200857 (22) 10.02.2021  
(54) Crystalline forms of tenofovir alafenamide
- (51) Int. Cl.  
**C07F 9/6561** ( 2006.01 )  
**A61K 31/685** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )
- (43) 11.03.2021  
(62) 2018216738  
(72) Lai, Chiajen; Shi, Bing; Strickley, Robert G.  
(74) Davies Collision Cave Pty Ltd
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- (71) Gilead Sciences, Inc.  
(11) AU-A-2021200966  
(21) 2021200966 (22) 15.02.2021  
(54) Processes for preparing ACC inhibitors and solid forms thereof
- (51) Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**C07D 309/12** ( 2006.01 )  
**C07D 493/10** ( 2006.01 )
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(62) 2018227588  
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(74) FPA Patent Attorneys Pty Ltd
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(21) 2021201233 (22) 25.02.2021  
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- (51) Int. Cl.  
**C07K 16/12** ( 2006.01 )  
**A61K 39/095** ( 2006.01 )  
**C07K 14/22** ( 2006.01 )
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(74) Phillips Ormonde Fitzpatrick
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(11) AU-A-2021201116  
(21) 2021201116 (22) 19.02.2021  
(54) Improvements to downhole surveying and core sample orientation systems, devices and methods
- (51) Int. Cl.  
**E21B 25/16** ( 2006.01 )  
**E21B 47/02** ( 2006.01 )
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(62) 2019203519  
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(74) Griffith Hack
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(11) AU-A-2019219837  
(21) 2019219837 (22) 23.08.2019  
(54) SEQUENTIAL COOLING TUNNEL AND METHOD OF USE
- (51) Int. Cl.  
**F25D 13/06** ( 2006.01 )  
**A23L 3/36** ( 2006.01 )  
**F25D 13/04** ( 2006.01 )
- (43) 11.03.2021  
(72) PANUCCIO, Michael  
(74) Griffith Hack
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- (71) Google LLC  
(11) AU-A-2021200037  
(21) 2021200037 (22) 05.01.2021  
(54) SEQUENCE DEPENDENT OPERATION PROCESSING OF PACKET BASED DATA MESSAGE TRANSMISSIONS
- (51) Int. Cl.  
**G06F 16/332** ( 2019.01 )  
**G06F 3/16** ( 2006.01 )  
**G06F 16/33** ( 2019.01 )  
**G06F 16/60** ( 2019.01 )  
**G06F 40/284** ( 2020.01 )  
**G06F 40/40** ( 2020.01 )  
**G10L 15/18** ( 2013.01 )  
**G10L 15/22** ( 2006.01 )  
**G10L 15/26** ( 2006.01 )  
**G10L 15/08** ( 2006.01 )
- (43) 11.03.2021  
(62) 2020201889  
(72) Bhaya, Gaurav Ravindra; Stets, Robert  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2021200996  
(21) 2021200996 (22) 16.02.2021  
(54) REDUCING PARASITIC INTERACTIONS IN A QUBIT GRID
- (51) Int. Cl.  
**G06N 99/00** ( 2019.01 )
- (43) 11.03.2021  
(62) 2017426937  
(72) Martinis, John; Barends, Rami; Fowler, Austin Greg  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2021200999  
(21) 2021200999 (22) 16.02.2021  
(54) QUANTUM CIRCUITS WITH REDUCED T GATE COUNT
- (51) Int. Cl.  
**G06N 99/00** ( 2019.01 )

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 (72) Gidney, Craig  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2021201027  
 (21) 2021201027 (22) 17.02.2021  
 (54) METHODS AND APPARATUS FOR PERFORMING PHASE OPERATIONS  
 (51) Int. Cl.  
*G06N 10/00* ( 2019.01 )  
 (43) 11.03.2021  
 (62) 2019255217  
 (72) Gidney, Craig  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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(71) Google LLC  
 (11) AU-A-2021201028  
 (21) 2021201028 (22) 17.02.2021  
 (54) FERMIONIC SIMULATION GATES  
 (51) Int. Cl.  
*G06N 99/00* ( 2019.01 )  
 (43) 11.03.2021  
 (62) 2017434905  
 (72) Babbush, Ryan  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2021201029  
 (21) 2021201029 (22) 17.02.2021  
 (54) QUANTUM ERROR CORRECTION  
 (51) Int. Cl.  
*G06N 99/00* ( 2019.01 )  
 (43) 11.03.2021  
 (62) 2017431392  
 (72) Fowler, Austin Greig  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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(71) Grand Performance Online Pty Ltd  
 (11) AU-A-2021201199  
 (21) 2021201199 (22) 24.02.2021  
 (54) A computer-enabled method, system and computer program for providing an intuitive user interface arranged to create a dynamic product list integrable into a service provision process to perform the task of delivering a complex service and managing an associated transaction  
 (51) Int. Cl.  
*G06Q 10/02* ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2020200621  
 (72) Petroulas, Peter  
 (74) Spruson & Ferguson

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(71) Grand Performance Online Pty Ltd  
 (11) AU-A-2021201204  
 (21) 2021201204 (22) 24.02.2021  
 (54) A computer-enabled method, system and computer program for monitoring

a plurality of gaming machines and other games of chance, and providing a booking and monitoring service for gaming enthusiasts and gaming venues  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2020200610  
 (72) Petroulas, Peter  
 (74) Spruson & Ferguson

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(71) Grand Performance Online Pty Ltd  
 (11) AU-A-2021201205  
 (21) 2021201205 (22) 24.02.2021  
 (54) A computer-enabled method system and computer program for generating a dynamic user interface for use by a user in the allocation of a space, furniture, equipment or service  
 (51) Int. Cl.  
*G06Q 10/02* ( 2012.01 )  
*G06Q 30/02* ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2020200607  
 (72) Petroulas, Peter  
 (74) Spruson & Ferguson

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(71) Gries, G.  
 (11) AU-A-2021201101  
 (21) 2021201101 (22) 19.02.2021  
 (54) COMPOSITIONS AND METHODS FOR ATTRACTING RATTUS NORVEGICUS RATS COMPRISING PHEROMONE COMPOUNDS FROM HEADSPACE VOLATILES OF MALE OR FEMALE URINE ODOR  
 (51) Int. Cl.  
*A01N 35/02* ( 2006.01 )  
*A01M 23/00* ( 2006.01 )  
*A01N 35/04* ( 2006.01 )  
*A01N 37/02* ( 2006.01 )  
*A01N 43/60* ( 2006.01 )  
*A01P 19/00* ( 2006.01 )  
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 (72) Gries, Gerhard; Takács, Stephen Joseph; Gries, Regine  
 (74) AJ PARK

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 (11) AU-A-2021201227  
 (21) 2021201227 (22) 25.02.2021  
 (54) PDE9 inhibitors with imidazo triazinone backbone and imidazo pyrazinone backbone for treatment of peripheral diseases  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/4985* ( 2006.01 )  
*A61P 7/00* ( 2006.01 )  
*A61P 13/00* ( 2006.01 )  
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 (72) SVENSTRUP, Niels; WEN, Kate; WANG, Yazhou  
 (74) Griffith Hack

(71) Halliburton Energy Services, Inc.  
 (11) AU-A-2021201206  
 (21) 2021201206 (22) 24.02.2021  
 (54) Releasable connection mechanism for use within a well  
 (51) Int. Cl.  
*E21B 17/06* ( 2006.01 )  
*E21B 23/00* ( 2006.01 )  
*E21B 43/10* ( 2006.01 )  
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 (72) EL MALLAWANY, Ibrahim; MINASSA, Lorenzo B.; LINDNER Jr., Henry P.  
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 (11) AU-A-2021201003  
 (21) 2021201003 (22) 16.02.2021  
 (54) Trispecific binding proteins and methods of use  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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 (62) 2019202283  
 (72) Baeuerle, Patrick; Evnin, Luke; Guenet, Jeanmarie; Ramakrishnan, Vanitha; Wesche, Holger  
 (74) FB Rice Pty Ltd

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 (21) 2019210570 (22) 29.07.2019  
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 (51) Int. Cl.  
*G99Z 99/00* ( 2006.01 )  
 (43) 11.03.2021  
 (72) Hazama, Motoko  
 (74) Motoko Hazama

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(71) HFI Innovation Inc.  
 (11) AU-A-2021201240  
 (21) 2021201240 (22) 25.02.2021  
 (54) Method of sub-prediction unit inter-view motion prediction in 3D video coding  
 (51) Int. Cl.  
*H04N 13/00* ( 2018.01 )  
 (43) 11.03.2021  
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 (72) AN, Jicheng; ZHANG, Kai; LIN, Jian-Liang  
 (74) Spruson & Ferguson

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(71) Hunter Process Technologies Pty Limited  
 (11) AU-A-2021201129  
 (21) 2021201129 (22) 22.02.2021  
 (54) SYSTEM, METHOD AND APPARATUS FOR FROTH FLOTATION  
 (51) Int. Cl.  
*B03D 1/24* ( 2006.01 )

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**(62)** 2016314139  
**(72)** JAMESON, Graeme John  
**(74)** Adams Pluck

**(71)** I4F Licensing NV  
**(11)** AU-A-2021201051  
**(21)** 2021201051 **(22)** 18.02.2021  
**(54)** Panel with a hook-form locking system  
**(51)** Int. Cl.  
**E04F 15/02** ( 2006.01 )  
**E04F 15/04** ( 2006.01 )  
**E04F 15/10** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015359590  
**(72)** Hannig, Hans-Jürgen  
**(74)** IP SOLVED (ANZ) PTY. LTD.

**(71)** IGT  
**(11)** AU-A-2021201074  
**(21)** 2021201074 **(22)** 19.02.2021  
**(54)** GAMING SYSTEM AND METHOD EMPLOYING MULTIPLE SYMBOL GENERATORS UTILIZED FOR MULTIPLE CONCURRENTLY PLAYED GAMES  
**(51)** Int. Cl.  
**A63F 13/45** ( 2014.01 )  
**(43)** 11.03.2021  
**(62)** 2015224500  
**(72)** Zielinski, John H.; Ching, Erick; Sur, Stephanie A.; Fengxing, Lin; Hallerbach, Boris  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Illumina, Inc.  
**(11)** AU-A-2021201007  
**(21)** 2021201007 **(22)** 16.02.2021  
**(54)** Oncogenic splice variant determination  
**(51)** Int. Cl.  
**G16B 20/20** ( 2019.01 )  
**(43)** 11.03.2021  
**(62)** 2018210316  
**(72)** SNEDECOR, June; CHUANG, Han-yu; BERRY, Gwenn; CHEN, Xiao  
**(74)** FB Rice Pty Ltd

**(71)** Illumina, Inc.  
**(11)** AU-A-2021201245  
**(21)** 2021201245 **(22)** 25.02.2021  
**(54)** Compositions, systems, and methods for detecting events using tethers anchored to or adjacent to nanopores  
**(51)** Int. Cl.  
**C12Q 1/00** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/53** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015271824  
**(72)** Mandell, Jeffrey G.; Gunderson, Kevin L.; Gundlach, Jens H.  
**(74)** Spruson & Ferguson

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201104  
**(21)** 2021201104 **(22)** 19.02.2021

**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201105  
**(21)** 2021201105 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201106  
**(21)** 2021201106 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201107  
**(21)** 2021201107 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201108  
**(21)** 2021201108 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201109  
**(21)** 2021201109 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
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**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

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**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
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**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Immatix Biotechnologies GmbH  
**(11)** AU-A-2021201108  
**(21)** 2021201108 **(22)** 19.02.2021  
**(54)** PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
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**G01N 33/574** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016335177  
**(72)** Mahr, Andrea; Weinschenk, Toni; Goldfinger, Valentina; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** INNATE PHARMA  
**(11)** AU-A-2021200972  
**(21)** 2021200972 **(22)** 15.02.2021  
**(54)** MULTISPECIFIC NKp46 BINDING PROTEINS  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015279316  
**(72)** GAUTHIER, Laurent; ANCERIZ, Nadia; MOREL, Ariane; ROSSI, Benjamin  
**(74)** Blue Penguin IP Ltd

**(71)** Intercept Pharmaceuticals, Inc.  
**(11)** AU-A-2021201015  
**(21)** 2021201015 **(22)** 17.02.2021  
**(54)** Pharmaceutical compositions for combination therapy  
**(51)** Int. Cl.  
**A61K 31/216** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
**C07J 9/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016215179  
**(72)** PRUZANSKI, Mark; ADORINI, Luciano  
**(74)** Spruson & Ferguson

**(71)** InterDigital Patent Holdings, Inc.  
**(11)** AU-A-2021201134  
**(21)** 2021201134 **(22)** 22.02.2021  
**(54)** Systems and methods for aperiodic measurement reference signal transmission in multiple antenna systems

Applications Open to Public Inspection - Name Index cont'd

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**H04L 5/00** ( 2006.01 )  
**H04B 7/06** ( 2006.01 )  
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(62) 2017308909  
(72) LEE, Moon-II; STERN-BERKOWITZ, Janet A.  
(74) Spruson & Ferguson
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- (71) InterDigital VC Holdings, Inc.  
(11) AU-A-2021201048  
(21) 2021201048 (22) 18.02.2021  
(54) A method and apparatus of encoding and decoding a color picture  
(51) Int. Cl.  
**G06T 5/00** ( 2006.01 )  
**H04N 19/186** ( 2014.01 )  
(43) 11.03.2021  
(62) 2016212243  
(72) LASSERRE, Sebastien; ANDRIVON, Pierre; LELEANNEC, Fabrice; TOUZE, David  
(74) FB Rice Pty Ltd
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- (71) Intervet International B.V.  
(11) AU-A-2021200946  
(21) 2021200946 (22) 12.02.2021  
(54) Canine antibodies with modified CH2-CH3 sequences  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
(43) 11.03.2021  
(62) 2014368449  
(72) MORSEY, Mohamad; ZHANG, Yuanzheng; TARPEY, Ian  
(74) Spruson & Ferguson
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- (71) Itron Networked Solutions, Inc.  
(11) AU-A-2021200989  
(21) 2021200989 (22) 15.02.2021  
(54) Secure end-to-end permitting system for device operations  
(51) Int. Cl.  
**G06F 21/44** ( 2013.01 )  
(43) 11.03.2021  
(62) 2020201005  
(72) DUBEY, Aditi; DAMM, Benjamin N.; STJOHNS, Michael; VASWANI, Raj  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Janssen Biotech, Inc.  
(11) AU-A-2021200941  
(21) 2021200941 (22) 12.02.2021  
(54) Differentiation of human embryonic stem cells into pancreatic endocrine cells using HB9 regulators  
(51) Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**C12N 5/0735** ( 2010.01 )  
(43) 11.03.2021  
(62) 2018282310  
(72) Rezanian, Alireza  
(74) Shelston IP Pty Ltd.
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     **G06Q 10/10** ( 2012.01 )  
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 (54) Aggregation platform portal  
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**(11)** AU-A-2021201221  
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**(54)** Distributed, decentralized data aggregation  
**(51)** Int. Cl.  
**G06F 15/16** ( 2006.01 )  
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**(11)** AU-A-2021200967  
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**(54)** AN APPARATUS, SYSTEM AND METHOD FOR A BUOYANCY-CONTROLLED LAGRANGIAN CAMERA PLATFORM  
**(51)** Int. Cl.  
**G03B 17/08** ( 2021.01 )  
**B63B 35/00** ( 2020.01 )  
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**G01L 9/00** ( 2006.01 )  
**G06F 17/40** ( 2006.01 )  
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**(54)** Methods and compositions for modulating TH-GM cell function  
**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
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**(54)** Promoting Muscle Building And Repair And Treating Disorders Related to Collagen And Pertinent Proteins By Using Shilajit  
**(51)** Int. Cl.  
**A61K 8/97** ( 2017.01 )  
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**A61K 35/10** ( 2015.01 )

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**(71)** Naurex, Inc.  
**(11)** AU-A-2021201006  
**(21)** 2021201006 **(22)** 16.02.2021  
**(54)** N-methyl-D-aspartate receptor modulators and methods of making and using same  
**(51)** Int. Cl.  
**C07K 5/08** ( 2006.01 )  
**A61K 38/07** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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**(62)** 2015292324  
**(72)** Khan, M. Amin  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Nemaska Lithium Inc.  
**(11)** AU-A-2021201139  
**(21)** 2021201139 **(22)** 22.02.2021  
**(54)** Methods for treating lithium-containing materials  
**(51)** Int. Cl.  
**C01D 1/04** ( 2006.01 )  
**B01D 61/42** ( 2006.01 )  
**C01D 1/28** ( 2006.01 )  
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**(71)** NeoVasc Tiara Inc.  
**(11)** AU-A-2021200979  
**(21)** 2021200979 **(22)** 15.02.2021  
**(54)** Sequentially deployed transcatheter mitral valve prosthesis  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2020202169  
**(72)** LANE, Randy Matthew; NYULI, Colin A.; MARKO, Alexei J.; NEALE, Krista L.  
**(74)** Spruson & Ferguson

**(71)** Nexus eWater Pty Ltd  
**(11)** AU-A-2021200953  
**(21)** 2021200953 **(22)** 12.02.2021  
**(54)** A filtration system  
**(51)** Int. Cl.  
**B01D 24/00** ( 2006.01 )  
**B01D 39/02** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2015327757  
**(72)** Wood, Tom; Hermann, Andrew  
**(74)** FB Rice Pty Ltd

**(71)** NISCO CO., LTD  
**(11)** AU-A-2020217376  
**(21)** 2020217376 **(22)** 12.08.2020  
**(54)** Wall-hugger adjustable bed with power fan system  
**(51)** Int. Cl.  
**A47C 20/04** ( 2006.01 )  
**A47C 21/04** ( 2006.01 )  
**(31)** 16/732,826 **(32)** 02.01.20 **(33)** US  
 62/889,127 20.08.19 US  
**(43)** 11.03.2021  
**(72)** WANG, Wei; XIE, Jian; SUN, Jian  
**(74)** Griffith Hack

**(71)** NISCO CO., LTD  
**(11)** AU-A-2020217379  
**(21)** 2020217379 **(22)** 12.08.2020  
**(54)** Mattress with breathable and ventilation functions  
**(51)** Int. Cl.  
**A47C 21/04** ( 2006.01 )  
**A47C 23/04** ( 2006.01 )  
**A47C 27/00** ( 2006.01 )  
**(31)** 62/889,112 **(32)** 20.08.19 **(33)** US  
**(43)** 11.03.2021  
**(72)** SUN, Jian; YANG, Qiaoyan; WANG, Wei  
**(74)** Griffith Hack

**(71)** Northwestern University  
**(11)** AU-A-2021201060  
**(21)** 2021201060 **(22)** 18.02.2021  
**(54)** Protein/Oligonucleotide Core-Shell Nanoparticle Therapeutics  
**(51)** Int. Cl.  
**B82Y 5/00** ( 2011.01 )  
**C12N 15/11** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015305482  
**(72)** MIRKIN, Chad A.; BRODIN, Jeffrey D.  
**(74)** WRAYS PTY LTD

**(71)** NuVasive Specialized Orthopedics, Inc.  
**(11)** AU-A-2021201182  
**(21)** 2021201182 **(22)** 24.02.2021  
**(54)** BONE GROWTH DEVICE AND METHOD  
**(51)** Int. Cl.  
**A61B 17/58** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2019200227  
**(72)** Pool, Scott; Walker, Blair  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** O&M Halyard International Unlimited Company  
**(11)** AU-A-2021201016  
**(21)** 2021201016 **(22)** 17.02.2021  
**(54)** Sterilization tray protection mechanisms  
**(51)** Int. Cl.  
**A61B 50/30** ( 2016.01 )

Applications Open to Public Inspection - Name Index cont'd

**A61B 50/33** ( 2016.01 )  
**A61L 2/26** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015405065  
**(72)** Takken, Wendy; Houde, Ajay; Wright, Audra; Lien, Khoa; Cesa, Joe; Spencer, Anthony Stephen; O'Shea, Paige  
**(74)** Spruson & Ferguson

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**(71)** OE Electrics Limited  
**(11)** AU-A-2021201219  
**(21)** 2021201219 **(22)** 25.02.2021  
**(54)** Improvements to apparatus and a method to a charger assembly to facilitate electrical device charging and/or operation

**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**H01R 13/514** ( 2006.01 )  
**H01R 13/74** ( 2006.01 )  
**H01R 25/00** ( 2006.01 )  
**H01R 25/16** ( 2006.01 )  
**H01R 27/02** ( 2006.01 )  
**H01R 31/02** ( 2006.01 )  
**H01R 31/06** ( 2006.01 )  
**H01R 43/26** ( 2006.01 )  
**H01R 24/76** ( 2011.01 )  
**H01R 103/00** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2016272531  
**(72)** Hobbs, Timothy  
**(74)** James & Wells Intellectual Property

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**(71)** Optimed Medizinische Instrumente GmbH  
**(11)** AU-A-2021201133  
**(21)** 2021201133 **(22)** 22.02.2021  
**(54)** STENT  
**(51)** Int. Cl.  
**A61F 2/915** ( 2013.01 )

**(43)** 11.03.2021  
**(62)** 2015402709  
**(72)** Fischer, Harald; Nennig, Ernst  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Otsuka Pharmaceutical Co., Ltd.  
**(11)** AU-A-2021201135  
**(21)** 2021201135 **(22)** 22.02.2021  
**(54)** 5-methyl-6-phenyl-4,5-dihydro-2H-pyridazin-3-one derivative  
**(51)** Int. Cl.  
**C07D 237/02** ( 2006.01 )  
**A61K 31/50** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 237/14** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2017226674  
**(72)** Katoh, Takahiro; Lida, Masatoshi; Terauchi, Yuki; Yamaguchi, Kazuya; Hirose, Toshiyuki; Yokoyama, Fumiharu; Nishimori, Hikaru; Obuchi, Yutaka; Nabeshima, Hiroshi; Takaki, Emiri  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** PanOptica, Inc.  
**(11)** AU-A-2021200997  
**(21)** 2021200997 **(22)** 16.02.2021

**(54)** Ocular formulations for drug-delivery and protection of the anterior segment of the eye

**(51)** Int. Cl.  
**A61K 31/425** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 31/122** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2015317531  
**(72)** BINGAMAN, David P.; CHANEY, Paul G.; WAX, Martin B.  
**(74)** Spruson & Ferguson

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**(71)** Paradigm BioPharmaceuticals Ltd.  
**(11)** AU-A-2021201198  
**(21)** 2021201198 **(22)** 24.02.2021  
**(54)** Treatment of bone marrow pathologies with polysulfated polysaccharides

**(51)** Int. Cl.  
**A61K 31/737** ( 2006.01 )  
**A61P 19/08** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2018309566  
**(72)** RENNIE, Paul; KRISHNAN, Ravi  
**(74)** FB Rice Pty Ltd

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**(71)** Phil and Teds Design Limited  
**(11)** AU-A-2021201176  
**(21)** 2021201176 **(22)** 24.02.2021  
**(54)** A Baby Carrier  
**(51)** Int. Cl.

**A47D 13/02** ( 2006.01 )  
**A47D 15/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015316232  
**(72)** Flaunty, Evam; Gower, Campbell Douglas  
**(74)** CreatelP

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**(71)** Photizo Global Pte Ltd  
**(11)** AU-A-2019423616  
**(21)** 2019423616 **(22)** 20.08.2019  
**(54)** Pole  
**(51)** Int. Cl.

**F21V 21/10** ( 2006.01 )  
**E04C 3/36** ( 2006.01 )  
**E04H 12/08** ( 2006.01 )

**(43)** 11.03.2021  
**(72)** CHIA, Ho Meng  
**(74)** Madderns Pty Ltd

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**(71)** Plant Health Care, Inc.  
**(11)** AU-A-2020294324  
**(21)** 2020294324 **(22)** 24.12.2020  
**(54)** HYPERSENSITIVE RESPONSE ELICITOR PEPTIDES AND USE THEREOF  
**(51)** Int. Cl.

**C07K 7/08** ( 2006.01 )  
**A01N 37/46** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 14/195** ( 2006.01 )  
**C07K 14/24** ( 2006.01 )  
**C07K 14/27** ( 2006.01 )

**C07K 14/415** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2015325013  
**(72)** Wei, Zhongmin; Zornetzer, Gregory A.; Bornick, Stephen  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Polaris Industries Inc.  
**(11)** AU-A-2021201050  
**(21)** 2021201050 **(22)** 18.02.2021  
**(54)** Device and method for improving route planning computing devices

**(51)** Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G06Q 10/04** ( 2012.01 )

**(43)** 11.03.2021  
**(62)** 2017326010  
**(72)** Freed, Erik S.  
**(74)** Griffith Hack

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**(71)** Potrero Medical, Inc.  
**(11)** AU-A-2021201070  
**(21)** 2021201070 **(22)** 18.02.2021  
**(54)** Systems, devices and methods for draining and analyzing bodily fluids  
**(51)** Int. Cl.  
**A61M 27/00** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2019216677  
**(72)** LUXON, Evan S.; HAMILTON, Marcie; BURNETT, Daniel R.; ZIEGLER, Mark  
**(74)** Griffith Hack

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**(71)** Potrero Medical, Inc.  
**(11)** AU-A-2021201072  
**(21)** 2021201072 **(22)** 18.02.2021  
**(54)** Systems, devices and methods for draining and analyzing bodily fluids  
**(51)** Int. Cl.

**A61M 1/00** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
**A61F 5/441** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2016357231  
**(72)** Burnett, Daniel R.; Keenan, Rich; Sokolov, Dimitri; Boyd, Stephen; Williams, Martin; Venkateswara Rao, Kondapavulur; Arney, Michelle  
**(74)** Griffith Hack

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**(71)** Principia Biopharma, Inc.  
**(11)** AU-A-2021201177  
**(21)** 2021201177 **(22)** 24.02.2021  
**(54)** Processes for preparing an FGFR inhibitor  
**(51)** Int. Cl.

**C07D 471/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016304852  
**(72)** Zhu, Jiang; Masjedizadeh, Mohammad  
**(74)** Shelston IP Pty Ltd.

Applications Open to Public Inspection - Name Index cont'd

(71) Proda Biotech LLC  
 (11) AU-A-2021200998  
 (21) 2021200998 (22) 16.02.2021  
 (54) Molecules disrupting pyruvate kinase M2 and integrin interaction and uses thereof  
 (51) Int. Cl.  
     **C07K 14/515** ( 2006.01 )  
     **A61K 39/395** ( 2006.01 )  
     **C07K 16/40** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016222539  
 (72) LIU, Zhi-ren; LI, Liangeiwei; ZHANG, Yinwei  
 (74) Cotters Patent & Trade Mark Attorneys

(71) Qualcomm Incorporated  
 (11) AU-A-2021201148  
 (21) 2021201148 (22) 22.02.2021  
 (54) RASTER DESIGN FOR NARROW-BAND OPERATION FOR MACHINE TYPE COMMUNICATIONS  
 (51) Int. Cl.  
     **H04L 5/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016386105  
 (72) Rico Alvarino, Alberto; Gaal, Peter; Wang, Xiaofeng; Chen, Wanshi; Fakoorian, Seyed Ali Akbar; Xu, Hao; Wang, Renqiu; Lei, Jing  
 (74) Madderns Pty Ltd

(71) Rearden, LLC  
 (11) AU-A-2021201184  
 (21) 2021201184 (22) 24.02.2021  
 (54) SYSTEMS AND METHODS FOR MAPPING VIRTUAL RADIO INSTANCES INTO PHYSICAL VOLUMES OF COHERENCE IN DISTRIBUTED ANTENNA WIRELESS SYSTEMS  
 (51) Int. Cl.  
     **H04L 27/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019200838  
 (72) Perlman, Stephen G.; Forenza, Antonio; Van Der Laan, Roger; Dio, Mario Di; Saibi, Fadi; Pitman, Timothy A.  
 (74) Ellis Terry

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2021200935  
 (21) 2021200935 (22) 12.02.2021  
 (54) Use of a VEGF antagonist to treat angiogenic eye disorders  
 (51) Int. Cl.  
     **A61K 38/18** ( 2006.01 )  
     **A61P 27/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019202260  
 (72) Yancopoulos, George D.  
 (74) Griffith Hack

(71) Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology  
 (11) AU-A-2021201118  
 (21) 2021201118 (22) 19.02.2021

(54) Methods for reducing cardiovascular risk  
 (51) Int. Cl.  
     **C07K 16/40** ( 2006.01 )  
     **A61K 39/395** ( 2006.01 )  
     **A61P 9/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015231713  
 (72) Bessac, Laurence; Hanotin, Corinne; Pordy, Robert C.; Sasiela, William J.; Schwartz, Gregory G.; Steg, Philippe Gabriel  
 (74) Griffith Hack

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2021201239  
 (21) 2021201239 (22) 25.02.2021  
 (54) METHODS AND COMPOSITIONS FOR TARGETED GENETIC MODIFICATIONS AND METHODS OF USE  
 (51) Int. Cl.  
     **C12N 5/0735** ( 2010.01 )  
     **C12N 15/85** ( 2006.01 )  
     **C12N 15/873** ( 2010.01 )  
     **C12N 15/90** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015279642  
 (72) Frendewey, David; Droguett, Gustavo; Gagliardi, Anthony; Kuno, Junko; Auerbach, Wojtek; Valenzuela, David M.  
 (74) Phillips Ormonde Fitzpatrick

(71) Regents of the University of Minnesota; RegenxBio Inc.  
 (11) AU-A-2021200982  
 (21) 2021200982 (22) 15.02.2021  
 (54) ADENO-ASSOCIATED VIRUS MEDIATED GENE TRANSFER TO THE CENTRAL NERVOUS SYSTEM  
 (51) Int. Cl.  
     **A01N 63/00** ( 2020.01 )  
     **C12N 15/00** ( 2006.01 )  
     **C12N 15/86** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2018253615  
 (72) Mclvor, R. Scott; Belur, Lalitha R.; Low, Walter; Fairbanks, Carolyn; Kozarsky, Karen  
 (74) Phillips Ormonde Fitzpatrick

**RegenxBio Inc. see Regents of the University of Minnesota**  
 (21) 2021200982

(71) Reliance Hexham Pty. Limited  
 (11) AU-A-2020220075  
 (21) 2020220075 (22) 18.08.2020  
 (54) A Joining Device and Assembly  
 (51) Int. Cl.  
     **E01B 11/56** ( 2006.01 )  
     **E01B 11/40** ( 2006.01 )  
     **E01B 29/46** ( 2006.01 )  
 (31) 2019903063 (32) 22.08.19 (33) AU  
 (43) 11.03.2021  
 (72) Prest, Chris  
 (74) mdp Patent and Trade Mark Attorneys

(71) Relocks Co., Ltd  
 (11) AU-A-2020204199  
 (21) 2020204199 (22) 24.06.2020  
 (54) Container with a Cover Snapped to a Base  
 (51) Int. Cl.  
     **B65D 43/02** ( 2006.01 )  
     **B65D 43/06** ( 2006.01 )  
     **B65D 43/08** ( 2006.01 )  
 (31) 108211274 (32) 23.08.19 (33) TW  
 (43) 11.03.2021  
 (72) WANG, Jacky; WU, Ssu-Wei  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) Reynolds, P.  
 (11) AU-A-2019219766  
 (21) 2019219766 (22) 21.08.2019  
 (54) BETADEXTRIN  
 (51) Int. Cl.  
     **A61K 31/724** ( 2006.01 )  
     **A61P 3/06** ( 2006.01 )  
     **A61P 9/10** ( 2006.01 )  
 (43) 11.03.2021  
 (72) Reynolds, Paul  
 (74) Paul Reynolds

(71) RF Industries Pty Ltd  
 (11) AU-A-2020220219  
 (21) 2020220219 (22) 21.08.2020  
 (54) CHANNELISED GAIN CONTROL OF LINE AMPLIFIERS  
 (51) Int. Cl.  
     **H03G 3/00** ( 2006.01 )  
     **H04B 3/10** ( 2006.01 )  
 (31) 2019903091 (32) 23.08.19 (33) AU  
 (43) 11.03.2021  
 (72) SNELL, Christopher John; POPE, Gregory Steven  
 (74) Griffith Hack

(71) Rhodia Operations  
 (11) AU-A-2021201043  
 (21) 2021201043 (22) 17.02.2021  
 (54) Choline salt and ammonium-free adjuvants for water conditioning and agricultural formulations  
 (51) Int. Cl.  
     **A01N 25/02** ( 2006.01 )  
     **A01N 25/30** ( 2006.01 )  
     **A01N 31/08** ( 2006.01 )  
     **A01N 33/08** ( 2006.01 )  
     **C05C 11/00** ( 2006.01 )  
     **C05G 3/00** ( 2020.01 )  
 (43) 11.03.2021  
 (62) 2016304738  
 (72) GOYAL, Rajesh; RUCH, Thomas; SHANMUGA, Krish; CASTAING, Jean-Christophe; VIELLIARD, Antoine  
 (74) Allens Patent & Trade Mark Attorneys

(71) RingIT, Inc.  
 (11) AU-A-2021201077  
 (21) 2021201077 (22) 19.02.2021

Applications Open to Public Inspection - Name Index cont'd

(54) RECOMMENDATION SYSTEM BASED ON GROUP PROFILES OF PERSONAL TASTE  
 (51) Int. Cl.  
**G06Q 30/00** ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2019200542  
 (72) Dillon, Stephen; Dillon, Pamela; Sussman, Andrew  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) RYW HOLDINGS PTY LTD  
 (11) AU-A-2019284145  
 (21) 2019284145 (22) 30.12.2019  
 (54) WASTE MANAGEMENT AND PROCESSING SYSTEM  
 (51) Int. Cl.  
**C05F 17/90** ( 2020.01 )  
**B09B 3/00** ( 2006.01 )  
**C05F 17/20** ( 2020.01 )  
**G06Q 10/06** ( 2012.01 )  
 (31) 2019903072 (32) 22.08.19 (33) AU  
 (43) 11.03.2021  
 (72) McCONNELL, Luke  
 (74) Wallington-Dummer

(71) Salesforce.com, Inc.  
 (11) AU-A-2021201242  
 (21) 2021201242 (22) 25.02.2021  
 (54) Quasi-recurrent neural network  
 (51) Int. Cl.  
**G06N 3/04** ( 2006.01 )  
**G06F 17/16** ( 2006.01 )  
**G06N 3/08** ( 2006.01 )  
**G10L 15/16** ( 2006.01 )  
**G10L 15/18** ( 2013.01 )  
**G10L 25/30** ( 2013.01 )  
 (43) 11.03.2021  
 (62) 2017355535  
 (72) BRADBURY, James; MERITY, Stephen Joseph; XIONG, Caiming; SOCHER, Richard  
 (74) Spruson & Ferguson

(71) Saluda Medical Pty Ltd  
 (11) AU-A-2021201010  
 (21) 2021201010 (22) 16.02.2021  
 (54) ELECTRODE TO NERVE DISTANCE ESTIMATION  
 (51) Int. Cl.  
**A61N 1/18** ( 2006.01 )  
**A61B 5/04** ( 2006.01 )  
**A61B 5/05** ( 2021.01 )  
**A61N 1/08** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016245335  
 (72) Parker, John Louis  
 (74) Monks IP

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2020327341  
 (21) 2020327341 (22) 10.08.2020  
 (54) Refrigerator and home appliance  
 (51) Int. Cl.  
**F25D 23/02** ( 2006.01 )

**F25D 11/00** ( 2006.01 )  
 (31) 10-2019-0101998 (32) 20.08.19 (33) KR  
 10-2020-0063401 27.05.20 KR  
 (43) 11.03.2021  
 (72) LEE, Chomin; GU, Yangyeol; KIM, Dongyeong; KIM, Byoungmok; KIM, Yonghan; PARK, Taecheol; SEO, Yongman; SONG, Jinyoung; SHIN, Yountae; YANG, Byungkwan  
 (74) Phillips Ormonde Fitzpatrick

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2021201100  
 (21) 2021201100 (22) 19.02.2021  
 (54) FOLDABLE DEVICE  
 (51) Int. Cl.  
**G09F 9/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019204017  
 (72) Seo, Ho-seong; Park, Kyung-wan; Lee, Ga-eun; Jung, Ji-hyun; Cho, Shi-yun  
 (74) Phillips Ormonde Fitzpatrick

**Sanofi Biotechnology see Regeneron Pharmaceuticals, Inc.**  
 (21) 2021201118

(71) Scot Young Research Limited  
 (11) AU-A-2019240637  
 (21) 2019240637 (22) 02.10.2019  
 (54) A MOP HEAD  
 (51) Int. Cl.  
**A47L 13/24** ( 2006.01 )  
 (31) 1912140.9 (32) 23.08.19 (33) GB  
 (43) 11.03.2021  
 (72) Young, Ronald Alexander Scot  
 (74) Michael Buck IP

(71) Scot Young Research Limited  
 (11) AU-A-2019240639  
 (21) 2019240639 (22) 02.10.2019  
 (54) MOP HEAD AND A METHOD OF MAKING THE SAME  
 (51) Int. Cl.  
**A47L 13/20** ( 2006.01 )  
 (31) 1912148.2 (32) 23.08.19 (33) GB  
 (43) 11.03.2021  
 (72) Young, Ronald Alexander Scot  
 (74) Michael Buck IP

(71) Shaaban, A.F.; Thandra, V.  
 (11) AU-A-2021200945  
 (21) 2021200945 (22) 12.02.2021  
 (54) FLAT FEE AND INTERIM BILLS FOR PROFESSIONAL SERVICES FIRM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06Q 20/14** ( 2012.01 )  
 (43) 11.03.2021  
 (62) 2015284125  
 (72) Shaaban, Ahmed Farouk; Thandra, Venkat  
 (74) Murray Trento & Associates Pty Ltd

(71) SHAABAN, A.F.; THANDRA, V.  
 (11) AU-A-2021201197  
 (21) 2021201197 (22) 24.02.2021  
 (54) IMPROVED SYSTEM AND METHOD FOR ALLOCATING VALUE TO TIME-KEEPER WORK  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06F 17/40** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015284127  
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat  
 (74) Murray Trento & Associates Pty Ltd

(71) Shanghai Ocean University  
 (11) AU-A-2020201845  
 (21) 2020201845 (22) 13.03.2020  
 (54) Automatic immersion ice-coating machine  
 (51) Int. Cl.  
**A23B 4/26** ( 2006.01 )  
**A23B 4/06** ( 2006.01 )  
**A23L 3/36** ( 2006.01 )  
 (31) 201910786665.2 (32) 23.08.19 (33) CN  
 (43) 11.03.2021  
 (72) XIE, Jing; YU, Wenhui; WANG, Jinfeng; TANG, Mingtang; WANG, Xuesong  
 (74) Griffith Hack

(71) Shire Human Genetic Therapies, Inc.  
 (11) AU-A-2021200977  
 (21) 2021200977 (22) 15.02.2021  
 (54) C1 ESTERASE INHIBITOR FUSION PROTEINS AND USES THEREOF  
 (51) Int. Cl.  
**C07K 14/81** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015338913  
 (72) Iskenderian, Andrea; Norton, Angela; Strack-Logue, Bettina; Pan, Clark  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Shire Human Genetic Therapies, Inc.  
 (11) AU-A-2021201220  
 (21) 2021201220 (22) 25.02.2021  
 (54) CNS DELIVERY OF MRNA AND USES THEREOF  
 (51) Int. Cl.  
**C12N 15/88** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2014340149  
 (72) DeRosa, Frank; Heartlein, Michael; Karve, Shrirang  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Square, Inc.  
 (11) AU-A-2021201114  
 (21) 2021201114 (22) 19.02.2021  
 (54) Expedited processing of electronic payment transactions  
 (51) Int. Cl.  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )

Applications Open to Public Inspection - Name Index cont'd

**G07F 7/12** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2017290124  
**(72)** Han, Koun; Terra, David; White, Michael Wells  
**(74)** FB Rice Pty Ltd

**(71)** Standard Bariatrics Inc  
**(11)** AU-A-2021201017  
**(21)** 2021201017 **(22)** 17.02.2021  
**(54)** End effectors, surgical stapling devices, and methods of using same  
**(51)** Int. Cl.  
**A61B 17/72** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2020201172  
**(72)** Thompson, Jonathan; Thompson, Ben; Nuchols, Richard P.; Ortiz, Mark Steven; Wampler, James  
**(74)** James & Wells Intellectual Property

**(71)** Stramit Corporation Pty Limited  
**(11)** AU-A-2020213331  
**(21)** 2020213331 **(22)** 06.08.2020  
**(54)** GUTTER CONNECTOR  
**(51)** Int. Cl.  
**E04D 13/068** ( 2006.01 )  
**(31)** 2019903023 **(32)** 20.08.19 **(33)** AU  
**(43)** 11.03.2021  
**(72)** Blyth, James; Guerrero, Angelo; Blyth, Neil  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** STRECK, INC.  
**(11)** AU-A-2021200020  
**(21)** 2021200020 **(22)** 04.01.2021  
**(54)** Devices for real-time polymerase chain reaction  
**(51)** Int. Cl.  
**G01N 21/64** ( 2006.01 )  
**B01L 7/00** ( 2006.01 )  
**C12Q 1/686** ( 2018.01 )  
**G01N 21/03** ( 2006.01 )  
**G01N 21/47** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2018250497  
**(72)** KREIFELS, Matthew R.; WHITNEY, Scott E.; WILDER, Gregg; FLANAGAN, John; DOWLING, James; HILL, Philip; TILLEMANN, Michael; JACKSON, Jeremie  
**(74)** Griffith Hack

**(71)** Stryker Corporation  
**(11)** AU-A-2020204399  
**(21)** 2020204399 **(22)** 30.06.2020  
**(54)** Person support apparatus with adjustable exit detection zones  
**(51)** Int. Cl.

**A61G 7/002** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A61G 7/05** ( 2006.01 )  
**G08B 21/02** ( 2006.01 )  
**(31)** 62/889,254 **(32)** 20.08.19 **(33)** US  
 63/024,066 13.05.20 US

**(43)** 11.03.2021  
**(72)** Sukumaran, Sujay; Kostic, Marko N.; Thomas, Madhu; Bhimavarapu, Krishna Sandeep; Paul, Anish; George, Christopher Alan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Stryker Corporation  
**(11)** AU-A-2021201140  
**(21)** 2021201140 **(22)** 22.02.2021  
**(54)** Sterilization container with sensor module for monitoring the environment in the container  
**(51)** Int. Cl.  
**A61L 2/07** ( 2006.01 )  
**A61L 2/28** ( 2006.01 )  
**G01K 1/02** ( 2021.01 )  
**G01L 19/00** ( 2006.01 )  
**G01N 25/18** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2019204183  
**(72)** Childers, Robert Warren; Henniges, Bruce; Hassler, William L.; Blandino, Tom; Jeng, David; Morris, Richard Franklin  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Stryker Corporation  
**(11)** AU-A-2021201169  
**(21)** 2021201169 **(22)** 23.02.2021  
**(54)** Systems and methods for robotic surgery  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2019275554  
**(72)** Bowling, David Gene; Stuart, John Michael; Culp, Jerry A.; Malackowski, Donald W.; Moctezuma De La Barrera, Jose Luis; Roessler, Patrick; Beer, Joel N.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** STRYKER EUROPEAN HOLDINGS I, LLC  
**(11)** AU-A-2021200947  
**(21)** 2021200947 **(22)** 12.02.2021  
**(54)** SYSTEMS AND METHODS FOR PERCUTANEOUS SPINAL FUSION  
**(51)** Int. Cl.  
**A61B 17/88** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2019200740  
**(72)** REITBLAT, Abram; TALIJAN, David; STEIN, Joshua; SHARIFI-MEHR, Amir Ali  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** S Wave Pty Ltd  
**(11)** AU-A-2021201009  
**(21)** 2021201009 **(22)** 16.02.2021  
**(54)** System and Method for Creating and Sharing Media Playlists  
**(51)** Int. Cl.  
**G06F 16/14** ( 2019.01 )

**(43)** 11.03.2021  
**(62)** 2015246640  
**(72)** RICHTER, Karl William; GRINTON, David James; DOOLEY, Lain; MCGUINNESS, Campbell  
**(74)** Chrysiliou IP

**(71)** Swirls, Inc.  
**(11)** AU-A-2021200938  
**(21)** 2021200938 **(22)** 12.02.2021  
**(54)** METHODS AND APPARATUS FOR A DISTRIBUTED DATABASE WITHIN A NETWORK  
**(51)** Int. Cl.  
**G06F 16/27** ( 2019.01 )  
**G06F 3/06** ( 2006.01 )  
**G06F 7/00** ( 2006.01 )  
**G06F 9/54** ( 2006.01 )  
**G06F 12/08** ( 2016.01 )  
**(43)** 11.03.2021  
**(62)** 2020201827  
**(72)** Baird III, Leemon C.  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Tableau Software, LLC  
**(11)** AU-A-2021201001  
**(21)** 2021201001 **(22)** 16.02.2021  
**(54)** Systems and methods for providing drag and drop analytics in a dynamic data visualization interface  
**(51)** Int. Cl.  
**G06F 3/0486** ( 2013.01 )  
**G06F 3/0481** ( 2013.01 )  
**G06F 3/0482** ( 2013.01 )  
**(43)** 11.03.2021  
**(62)** 2020205323  
**(72)** KIM, Jun; STOLTE, Christopher Richard; MACKINLAY, Jock Douglas; STEWART, Robin; BERAN, Bora; TALBOT, Justin; RUETER, Marc  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Teleflex Medical Incorporated  
**(11)** AU-A-2021201164  
**(21)** 2021201164 **(22)** 23.02.2021  
**(54)** SURGICAL CLIP  
**(51)** Int. Cl.  
**A61B 17/122** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2018290343  
**(72)** FOSHEE, David Lee; RAMSEY, Michael Dell  
**(74)** RnB IP Pty Ltd

**Thandra, V. see Shaaban, A.F.**  
**(21)** 2021200945

**THANDRA, V. see SHAABAN, A.F.**  
**(21)** 2021201197

**(71)** The Boeing Company  
**(11)** AU-A-2020203603  
**(21)** 2020203603 **(22)** 01.06.2020

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(54) Vapor cycle machine availability for high impact applications  
 (51) Int. Cl.  
**F25B 43/00** ( 2006.01 )  
 (31) 16/547,258 (32) 21.08.19 (33) US  
 (43) 11.03.2021  
 (72) TRENT, Michael L.; BROWN, Zachary G.; MEGCHIANI, Chetan B.  
 (74) Spruson & Ferguson

(71) The General Hospital Corporation  
 (11) AU-A-2021201157  
 (21) 2021201157 (22) 23.02.2021  
 (54) SYNTHESIS OF NITRIC OXIDE GAS FOR INHALATION  
 (51) Int. Cl.  
**A61M 16/10** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )  
**B01D 53/56** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2018206762  
 (72) Zapol, Warren M.; Yu, Binglan; Hardin, Paul; Hickcox, Matthew  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) The Regents of the University of California  
 (11) AU-A-2021201036  
 (21) 2021201036 (22) 17.02.2021  
 (54) Demethylation to treat eye disease  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
**C12P 7/64** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2019285719  
 (72) SKOWRONSKA-KRAWCZYK, Dorota; CHAO, Daniel Lee; CHEN, Daniel  
 (74) Spruson & Ferguson

(71) Thermos L.L.C.; Thermos Pty Ltd  
 (11) AU-A-2020220163  
 (21) 2020220163 (22) 20.08.2020  
 (54) LID FOR FOOD CONTAINER  
 (51) Int. Cl.  
**B65D 51/28** ( 2006.01 )  
**A47J 47/02** ( 2006.01 )  
**B65D 43/02** ( 2006.01 )  
 (31) 62/889,358 (32) 20.08.19 (33) US  
 (43) 11.03.2021  
 (72) LANE, Marvin  
 (74) Jones Tulloch

Thermos Pty Ltd see Thermos L.L.C.  
 (21) 2020220163

(71) THE SCRIPPS RESEARCH INSTITUTE  
 (11) AU-A-2021201062  
 (21) 2021201062 (22) 18.02.2021  
 (54) Sulfur(VI) fluoride compounds and methods for the preparation thereof  
 (51) Int. Cl.  
**C07C 305/26** ( 2006.01 )  
**A61K 31/10** ( 2006.01 )

**A61K 31/16** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015269198  
 (72) DONG, Jiajia; SHARPLESS, K. Barry; KELLY, Jeffery W.; BARANCZAK, Aleksandra; CHEN, Wentao  
 (74) Griffith Hack

(71) The University of Kansas  
 (11) AU-A-2021200969  
 (21) 2021200969 (22) 15.02.2021  
 (54) BIPHENYL AMIDES WITH MODIFIED ETHER GROUPS AS HSP90 INHIBITORS AND HSP70 INDUCERS  
 (51) Int. Cl.  
**C07C 233/05** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 307/20** ( 2006.01 )  
**C07D 309/10** ( 2006.01 )  
**C07D 311/08** ( 2006.01 )  
**C07H 15/203** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2015279926  
 (72) Blagg, Brian S. J.; Dobrowsky, Rick T.; Anyika, Mercy  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

The University of Tokyo see Keio University  
 (21) 2021201076

(71) TNBT HOLDINGS PTY LTD  
 (11) AU-A-2020213332  
 (21) 2020213332 (22) 06.08.2020  
 (54) A Lock  
 (51) Int. Cl.  
**E05B 63/04** ( 2006.01 )  
**E05B 63/00** ( 2006.01 )  
**E05B 63/08** ( 2006.01 )  
**E05B 65/00** ( 2006.01 )  
 (31) 2019903005 (32) 19.08.19 (33) AU  
 (43) 11.03.2021  
 (72) Bertok, Attila  
 (74) TNBT Holdings Pty Limited

(71) TODOC Co., Ltd.  
 (11) AU-A-2020220189  
 (21) 2020220189 (22) 21.08.2020  
 (54) Cochlear external device with external microphone  
 (51) Int. Cl.  
**H04R 25/00** ( 2006.01 )  
**A61F 2/18** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
 (31) 10-2019-0102645 (32) 21.08.19 (33) KR  
 (43) 11.03.2021  
 (72) MIN, Kyou-Sik; AHN, Woojin  
 (74) Griffith Hack

(71) Toughbuilt Industries, Inc.  
 (11) AU-A-2020220173  
 (21) 2020220173 (22) 20.08.2020  
 (54) Storage bag with enhanced interior visibility

(51) Int. Cl.  
**B25H 3/00** ( 2006.01 )  
**A45C 7/00** ( 2006.01 )  
**A45C 13/02** ( 2006.01 )  
 (31) 16/669,056 (32) 30.10.19 (33) US  
 62/890,420 22.08.19 US  
 (43) 11.03.2021  
 (72) Panosian, Michael; Keeler, Joshua  
 (74) WADESON

(71) Toughbuilt Industries, Inc.  
 (11) AU-A-2020220174  
 (21) 2020220174 (22) 20.08.2020  
 (54) Cut-case with enhanced display of product information  
 (51) Int. Cl.  
**B65D 5/02** ( 2006.01 )  
**B65D 5/20** ( 2006.01 )  
 (31) 62/890,299 (32) 22.08.19 (33) US  
 16/669,010 30.10.19 US  
 (43) 11.03.2021  
 (72) Panosian, Michael; Keeler, Joshua  
 (74) WADESON

(71) Toyota Jidosha Kabushiki Kaisha  
 (11) AU-A-2020217421  
 (21) 2020217421 (22) 13.08.2020  
 (54) Vehicle learning control system, vehicle control device, and vehicle learning device  
 (51) Int. Cl.  
**G05B 13/02** ( 2006.01 )  
**B60W 10/06** ( 2006.01 )  
**F02D 41/22** ( 2006.01 )  
**F02D 41/24** ( 2006.01 )  
**G05D 15/00** ( 2006.01 )  
 (31) 2019-152133 (32) 22.08.19 (33) JP  
 (43) 11.03.2021  
 (72) HASHIMOTO, Yohsuke; KATAYAMA, Akihiro; OSHIRO, Yuta; SUGIE, Kazuki; OKA, Naoya  
 (74) Spruson & Ferguson

(71) TRANSFERT PLUS, S.E.C.  
 (11) AU-A-2021201085  
 (21) 2021201085 (22) 19.02.2021  
 (54) Peptide compounds and peptide conjugates for the treatment of cancer through receptor-mediated chemotherapy  
 (51) Int. Cl.  
**C07K 14/195** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 47/66** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 43/295** ( 2006.01 )  
**C07D 305/14** ( 2006.01 )  
**C07H 15/252** ( 2006.01 )  
**C07K 1/06** ( 2006.01 )  
**C07K 1/113** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 17/00** ( 2006.01 )  
**C40B 40/10** ( 2006.01 )  
 (43) 11.03.2021  
 (62) 2016358324  
 (72) BÉLIVEAU, Richard; ANNABI, Borhane; DEMEULE, Michel;

Applications Open to Public Inspection - Name Index cont'd

LAROCQUE, Alain; CURRIE, Jean-christophe; CHARFI, Cyndia  
**(74)** Griffith Hack

**(71)** Translate Bio, Inc.; Massachusetts Institute of Technology  
**(11)** AU-A-2021200980  
**(21)** 2021200980 **(22)** 15.02.2021  
**(54)** LIPID FORMULATIONS FOR DELIVERY OF MESSENGER RNA  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/89** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2019200474  
**(72)** DeRosa, Frank; Dong, Yizhou; Heartlein, Michael; Anderson, Daniel  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2021200934  
**(21)** 2021200934 **(22)** 12.02.2021  
**(54)** System And Method Integrating An Energy Management System And Yard Planner System  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**B61L 27/00** ( 2006.01 )  
**G06Q 50/30** ( 2012.01 )

**(43)** 11.03.2021  
**(62)** 2015201381  
**(72)** GOLDEN, Samuel; COOPER, Jared; FOY, Robert; PELTZ, David  
**(74)** WRAYS PTY LTD

**(71)** TREACE MEDICAL CONCEPTS, INC.  
**(11)** AU-A-2021201237  
**(21)** 2021201237 **(22)** 25.02.2021  
**(54)** Bone plating system and method  
**(51)** Int. Cl.  
**A61B 17/80** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2016205290  
**(72)** DAYTON, Paul; HATCH, Daniel J.; SMITH, Bret W.; BRUMFIELD, David L.  
**(74)** Griffith Hack

**(71)** TRI ALPHA ENERGY, INC.  
**(11)** AU-A-2021201138  
**(21)** 2021201138 **(22)** 22.02.2021  
**(54)** SYSTEMS AND METHODS FOR MIRRORING AND COMPRESSING COMPACT TORI  
**(51)** Int. Cl.  
**G21B 1/03** ( 2006.01 )  
**H05H 1/16** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015333832  
**(72)** Binderbauer, Michl; Bystritskii, Vitaly; Tajima, Toshiki  
**(74)** AJ PARK

**(71)** Tritium Holdings Pty Ltd  
**(11)** AU-A-2021201057  
**(21)** 2021201057 **(22)** 18.02.2021

**(54)** A Transformer with Improved Heat Dissipation  
**(51)** Int. Cl.  
**H01F 27/08** ( 2006.01 )  
**H01F 27/10** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2019201448  
**(72)** Finn, David Andrew; Rudzki, Alexander; Kennedy, James McFarlane  
**(74)** Michael Buck IP

**(71)** TTI (Macao Commercial Offshore) Limited  
**(11)** AU-A-2021201061  
**(21)** 2021201061 **(22)** 18.02.2021  
**(54)** An autonomous lawn mower and a system for navigating thereof  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**A01D 34/00** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2019200409  
**(72)** HAHN, Klaus; RICKEY, Todd Brandon; MONTGOMERY, Benjamin Edgar; ENSSLEN, Nikolai; YILDIRIM, Levent  
**(74)** Spruson & Ferguson

**(71)** Turntide Technologies Inc.  
**(11)** AU-A-2021201190  
**(21)** 2021201190 **(22)** 24.02.2021  
**(54)** Method and apparatus for quasi-sensorless adaptive control of switched reluctance motor drives  
**(51)** Int. Cl.  
**H02P 6/18** ( 2016.01 )  
**H02K 1/14** ( 2006.01 )  
**H02K 1/24** ( 2006.01 )  
**H02P 25/08** ( 2016.01 )  
**H02P 25/086** ( 2016.01 )  
**H02P 25/089** ( 2016.01 )  
**H02P 25/092** ( 2016.01 )  
**H02P 25/098** ( 2016.01 )

**(43)** 11.03.2021  
**(62)** 2019271913  
**(72)** Krishnamurthy, Mahesh; Creary, Trevor A.; Knodel, Timothy; Desai, Piyush C.; Johnston, Mark  
**(74)** FB Rice Pty Ltd

**(71)** Turzi, A.  
**(11)** AU-A-2021201102  
**(21)** 2021201102 **(22)** 19.02.2021  
**(54)** New standardizations & medical devices for the preparation of platelet rich plasma (PRP) or bone marrow concentrate (BMC) alone or in combination with hyaluronic acid  
**(51)** Int. Cl.  
**A61M 1/02** ( 2006.01 )  
**A61K 35/16** ( 2015.01 )  
**A61K 35/28** ( 2015.01 )  
**A61K 35/35** ( 2015.01 )  
**A61K 47/36** ( 2006.01 )  
**A61L 33/00** ( 2006.01 )  
**A61M 1/34** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2015352458  
**(72)** TURZI, Antoine  
**(74)** Spruson & Ferguson

**(71)** Tyco Electronics Raychem BVBA; ADC Czech Republic s.r.o.  
**(11)** AU-A-2021201049  
**(21)** 2021201049 **(22)** 18.02.2021  
**(54)** Cable distribution system  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2015276109  
**(72)** Van Baelen, David Jan Irma; Ambroz, Jiri; Pasek, Jiri; Zavrel, Jiri; Alaerts, Roger; Schurmans, Eric; Mizin, Denys; Collart, Stephane  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Ulthera, Inc.  
**(11)** AU-A-2021200937  
**(21)** 2021200937 **(22)** 12.02.2021  
**(54)** Devices and methods for multiple coagulation point ultrasound therapy  
**(51)** Int. Cl.  
**A61N 7/00** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(62)** 2019203187  
**(72)** EMERY, Charles D.  
**(74)** FB Rice Pty Ltd

**(71)** Vapotherm, Inc.  
**(11)** AU-A-2020294339  
**(21)** 2020294339 **(22)** 29.12.2020  
**(54)** SYSTEMS AND METHODS FOR PATIENT-PROXIMATE VAPOR TRANSFER FOR RESPIRATORY THERAPY  
**(51)** Int. Cl.  
**A61M 16/10** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**A61M 16/14** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )  
**A61M 16/04** ( 2006.01 )

**(43)** 11.03.2021  
**(62)** 2016243698  
**(72)** Cortez Jr., Felino V.; Busey, Charles; Dungan II, George C.  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Vertex Pharmaceuticals (Europe) Limited  
**(11)** AU-A-2021200970  
**(21)** 2021200970 **(22)** 15.02.2021  
**(54)** Deuterated derivatives of ivacaftor  
**(51)** Int. Cl.  
**C07D 215/56** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61P 11/12** ( 2006.01 )  
**C07B 59/00** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 11.03.2021  
 (62) 2019222862  
 (72) Morgan, Adam, J.  
 (74) Davies Collison Cave Pty Ltd

(71) View, Inc.  
 (11) AU-A-2021201145  
 (21) 2021201145 (22) 22.02.2021  
 (54) Self-contained EC IGU  
 (51) Int. Cl.  
*E06B 7/00* ( 2006.01 )  
*E06B 3/66* ( 2006.01 )  
*E06B 9/24* ( 2006.01 )  
*G02F 1/163* ( 2006.01 )

(43) 11.03.2021  
 (62) 2015353569  
 (72) BROWN, Stephen C.; SHRIVASTAVA, Dhairya; KLAUWUHN, Erich R.; FRANK, Trevor; SILKWOOD, Douglas  
 (74) Spruson & Ferguson

(71) W. L. Gore & Associates, Inc.  
 (11) AU-A-2021201136  
 (21) 2021201136 (22) 22.02.2021  
 (54) Deployment constraining sheath that enables staged deployment by device section  
 (51) Int. Cl.  
*A61B 17/11* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )

(43) 11.03.2021  
 (62) 2018255320  
 (72) JOHNSON, Matthew A.  
 (74) Griffith Hack

(71) Wake Forest University Health Sciences  
 (11) AU-A-2021200873  
 (21) 2021200873 (22) 11.02.2021  
 (54) Amniotic membrane powder and its use in wound healing and tissue engineering constructs  
 (51) Int. Cl.  
*A61K 35/50* ( 2015.01 )  
*A61K 35/36* ( 2015.01 )  
*A61L 27/38* ( 2006.01 )

(43) 11.03.2021  
 (62) 2015328014  
 (72) Murphy, Sean V.; Skardal, Aleksander; Atala, Anthony  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Weatherford Technology Holdings, LLC  
 (11) AU-A-2021201149  
 (21) 2021201149 (22) 22.02.2021  
 (54) EXPANDABLE LINER  
 (51) Int. Cl.  
*E21B 29/10* ( 2006.01 )  
*E21B 43/10* ( 2006.01 )

(43) 11.03.2021  
 (62) 2016294427  
 (72) Capeheart, Michael B.; Delange, Richard W.; Gao, Feng; Osburn, Scott H.; Setterberg Jr., John Richard  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Weatherford Technology Holdings, LLC  
 (11) AU-A-2021201152  
 (21) 2021201152 (22) 22.02.2021  
 (54) MODULAR TOP DRIVE  
 (51) Int. Cl.  
*E21B 3/02* ( 2006.01 )  
*E21B 19/06* ( 2006.01 )  
*E21B 19/16* ( 2006.01 )

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 (72) Thomas, Benson; Kiess, Christian; Helms, Martin; Liess, Martin  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Wing Aviation LLC  
 (11) AU-A-2021201011  
 (21) 2021201011 (22) 17.02.2021  
 (54) Methods and systems for requesting and displaying UAV information  
 (51) Int. Cl.  
*B64C 39/02* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
*G06Q 50/28* ( 2012.01 )

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 (72) BARRINGTON, Luke; LESSER, Jonathan  
 (74) Spruson & Ferguson

(71) Wing Aviation LLC  
 (11) AU-A-2021201195  
 (21) 2021201195 (22) 24.02.2021  
 (54) Methods and systems for sharing an airspace wide unmanned aircraft system database across a plurality of service suppliers  
 (51) Int. Cl.  
*G08G 5/00* ( 2006.01 )

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 (62) 2018282185  
 (72) BURGESS, James; NEGRON, Reinaldo; CHALMER, Jeremy  
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(71) Wright Medical Technology, Inc.  
 (11) AU-A-2021201142  
 (21) 2021201142 (22) 22.02.2021  
 (54) Variable angle cutting guide and method of using the same  
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*A61B 17/17* ( 2006.01 )  
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 (72) DHILLON, Braham K.  
 (74) Spruson & Ferguson

(71) Xia, L.  
 (11) AU-A-2021201109  
 (21) 2021201109 (22) 19.02.2021  
 (54) A FLUID DISPENSING SYSTEM, A SYSTEM FOR PROCESSING WASTE

MATERIAL AND A FLUID MONITORING SYSTEM  
 (51) Int. Cl.  
*E03C 1/05* ( 2006.01 )  
*A47K 10/48* ( 2006.01 )  
*B08B 3/12* ( 2006.01 )  
*E03C 1/18* ( 2006.01 )  
*F16K 11/10* ( 2006.01 )  
*F16K 31/04* ( 2006.01 )  
*G05D 23/13* ( 2006.01 )

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 (74) Phillips Ormonde Fitzpatrick

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 (72) WANG, King Yuan  
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (11) AU-A-2019320616  
 (21) 2019320616 (22) 10.09.2019  
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 (51) Int. Cl.  
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 (72) ZHANG, Jianping  
 (74) Madderns Pty Ltd

(71) ZTE Corporation  
 (11) AU-A-2021201172  
 (21) 2021201172 (22) 23.02.2021  
 (54) Systems and methods for performing carrier aggregation in sidelink communications  
 (51) Int. Cl.  
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| <b>A21D 2 /-</b><br>2021201058  | <b>A47C 27 /-</b><br>2020217379               | <b>A61K 47 /-</b><br>2021200990<br>2021201085<br>2021201102<br>2021201165   |  | <b>A61M 48 /-</b><br>2021200980  | <b>A62B 18 /-</b><br>2021200629   |
| <b>A23B 4 /-</b><br>2020201845<br>2021201058  | <b>A47D 13 /-</b><br>2021201176               | <b>A61K 31 /-</b><br>2019219766<br>2021200857<br>2021200966<br>2021200970<br>2021200974<br>2021200981   |  |  |   |
| <b>A23B 7 /-</b><br>2021201058  | <b>A47D 15 /-</b><br>2021201176               |   |  |  |   |
|   | <b>A47J 31 /-</b><br>2020281169               |   |  |  |   |
|   | <b>A47J 47 /-</b><br>2020220163               |   |  |  |   |
|   | <b>A47K 10 /-</b><br>2021200960<br>2021201109 |   |  |  |   |

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| <b>A63F 13 /-</b><br>2019222967<br>2021201037<br>2021201074<br>2021201193<br>2021201214 | <b>B64C 39 /-</b><br>2021201011   | <b>C07D 215 /-</b><br>2021200970   | <b>C07D 489 /-</b><br>2021200991  | <b>C07K 17 /-</b><br>2021201085   | <b>C12P 21 /-</b><br>2021201173  |
| <b>A63F 9 /-</b><br>2019222967<br>2021201175  | <b>B64F 5 /-</b><br>2021201212  | <b>C07D 235 /-</b><br>2021201187<br>2021201188   | <b>C07D 491 /-</b><br>2021201018  | <b>C07K 19 /-</b><br>2021201173<br>2021201185   | <b>C12P 7 /-</b><br>2021201036   |
| <b>B01D 21 /-</b><br>2020217442   | <b>B65B 13 /-</b><br>2020220145<br>2020220149<br>2020220150<br>2020220155<br>2020220158<br>2020220164 | <b>C07D 237 /-</b><br>2021201135   | <b>C07D 493 /-</b><br>2021200966  | <b>C07K 5 /-</b><br>2021201006  | <b>C12Q 1 /-</b><br>2021200020<br>2021201076<br>2021201241<br>2021201245 |
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| <b>B01D 35 /-</b><br>2019219804   | <b>B65D 5 /-</b><br>2020220174  | <b>C07D 305 /-</b><br>2021201085   | <b>C07D 498 /-</b><br>2021201046<br>2021201187<br>2021201188  | <b>C08F 220 /-</b><br>2020217375  | <b>C22B 3 /-</b><br>2021201139   |
| <b>B01D 39 /-</b><br>2021200953<br>2021201217   | <b>B65D 51 /-</b><br>2020220163   | <b>C07D 307 /-</b><br>2021200969<br>2021200991   | <b>C07D 519 /-</b><br>2021201244  | <b>C08F 6 /-</b><br>2020217375  | <b>C40B 40 /-</b><br>2021201085<br>2021201173                            |
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| <b>B01D 53 /-</b><br>2021201157   | <b>B66B 11 /-</b><br>2020204274   | <b>C07D 311 /-</b><br>2021200969<br>2021201143   | <b>C07H 15 /-</b><br>2021200969<br>2021201085   | <b>C08L 33 /-</b><br>2020217375   | <b>D01F 6 /-</b><br>2020217375   |
| <b>B01D 61 /-</b><br>2021201139   | <b>B82Y 5 /-</b><br>2021201060  | <b>C07D 401 /-</b><br>2021200494<br>2021201018<br>2021201084<br>2021201187<br>2021201188 | <b>C07J 1 /-</b><br>2021200991  | <b>C10M 141 /-</b><br>2021201153  | <b>D01F 9 /-</b><br>2020217375   |
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| <b>B03D 1 /-</b><br>2021201129  | <b>C05C 11 /-</b><br>2021201043   | <b>C07D 407 /-</b><br>2021201084   | <b>C07K 14 /-</b><br>2020294324<br>2021200977<br>2021200998<br>2021201026<br>2021201047<br>2021201063<br>2021201085<br>2021201104<br>2021201105<br>2021201106<br>2021201107<br>2021201108<br>2021201168<br>2021201207<br>2021201233 | <b>C12M 1 /-</b><br>2021201217  | <b>D06F 39 /-</b><br>2021201232  |
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| <b>B09B 5 /-</b><br>2019268065  | <b>C07B 59 /-</b><br>2021200970   | <b>C07D 417 /-</b><br>2021201084   | <b>C12N 5 /-</b><br>2021200941<br>2021201200<br>2021201239<br>2021201241  | <b>E01B 11 /-</b><br>2020220075   | <b>D06F 73 /-</b><br>2021201099  |
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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.)

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| <p>„ <b>S. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>K. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>M.V.D.P. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>M.S. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>R. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>S.R. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>R.M. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>M. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>M.K. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>J. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p>„ <b>A.A.K. see HumCen Co</b><br/> <b>(21)</b> 2020104212</p> <hr/> <p><b>A, S. see K, R.</b><br/> <b>(21)</b> 2020104247</p> <hr/> <p><b>Agarwal, K.M. see Panda, R.C.</b><br/> <b>(21)</b> 2020104251</p> <hr/> <p><b>(71)</b> Anhui Agricultural University<br/> <b>(11)</b> AU-A-2020104216<br/> <b>(21)</b> 2020104216      <b>(22)</b> 22.12.2020<br/> <b>(54)</b> PICKERING EMULSION BASED ON SUPERFINE TEA POWDER, SAUSAGE CONTAINING PICKERING EMULSION BASED ON SUPERFINE</p> | <p>TEA POWDER AND PREPARATION METHOD AND USE<br/> <b>(51)</b> Int. Cl.<br/> <b>A23B 4/18</b> ( 2006.01 )<br/> <b>A23L 13/40</b> ( 2016.01 )<br/> <b>A23L 13/60</b> ( 2016.01 )<br/> <b>(31)</b> 202010180776.1    <b>(32)</b> 16.03.20 <b>(33)</b> CN<br/> <b>(45)</b> 11.03.2021<br/> <b>(72)</b> CHEN, Qi; LI, Yuhuan; LU, Jing; JIA, Lingfeng; XIONG, Guoyuan<br/> <b>(74)</b> James &amp; Wells Intellectual Property</p> <hr/> <p><b>(71)</b> Apple Inc.<br/> <b>(11)</b> AU-A-2020104220<br/> <b>(21)</b> 2020104220      <b>(22)</b> 22.12.2020<br/> <b>(54)</b> User interfaces for capturing and managing visual media<br/> <b>(51)</b> Int. Cl.<br/> <b>G06F 16/54</b> ( 2019.01 )<br/> <b>H04N 7/14</b> ( 2006.01 )<br/> <b>(45)</b> 11.03.2021<br/> <b>(62)</b> 2020100720<br/> <b>(72)</b> Manzari, Behkish J.; Santos, Andre Souza Dos; Paul, Grant; Sorrentino III, William A.; Preston, Daniel Trent; Broughton, Lee S.; Girling, Lukas Robert Tom; McCormack, Jon; Hubel, Paul; Deshpande, Alok; Lupinetti, Nick; Hankey, M. Evans; Dye, Alan C.; Federighi, Craig M.<br/> <b>(74)</b> FPA Patent Attorneys Pty Ltd</p> <hr/> <p><b>(71)</b> Apple Inc.<br/> <b>(11)</b> AU-A-2020104267<br/> <b>(21)</b> 2020104267      <b>(22)</b> 23.12.2020<br/> <b>(54)</b> Connected epitaxial optical sensing systems<br/> <b>(51)</b> Int. Cl.<br/> <b>G01J 1/42</b> ( 2006.01 )<br/> <b>G01J 1/02</b> ( 2006.01 )<br/> <b>H01S 5/026</b> ( 2006.01 )<br/> <b>H01S 5/0683</b> ( 2006.01 )<br/> <b>H01S 5/40</b> ( 2006.01 )<br/> <b>(45)</b> 11.03.2021<br/> <b>(62)</b> 2020100473<br/> <b>(72)</b> BISMUTO, Alfredo; SIMON, David I.; PELC, Jason<br/> <b>(74)</b> FPA Patent Attorneys Pty Ltd</p> <hr/> <p><b>B, P. see K, R.</b><br/> <b>(21)</b> 2020104247</p> <hr/> <p><b>(71)</b> Baby Spa Aus IP Holdings Pty Ltd<br/> <b>(11)</b> AU-A-2020104201<br/> <b>(21)</b> 2020104201      <b>(22)</b> 21.12.2020<br/> <b>(54)</b> A flotation collar<br/> <b>(51)</b> Int. Cl.<br/> <b>B63C 9/135</b> ( 2006.01 )</p> | <p><b>(45)</b> 11.03.2021<br/> <b>(72)</b> Eley, Grant<br/> <b>(74)</b> WADESON</p> <hr/> <p><b>Bala, M. see Singh, P.</b><br/> <b>(21)</b> 2020104297</p> <hr/> <p><b>(71)</b> Borg, K.<br/> <b>(11)</b> AU-A-2020104214<br/> <b>(21)</b> 2020104214      <b>(22)</b> 22.12.2020<br/> <b>(54)</b> METHOD FOR CONSTRUCTING A LITHOPHANE LAMP OF VARIABLE SIZES AND MAINTAINING ILLUMINATION THROUGHOUT THE LAMP<br/> <b>(51)</b> Int. Cl.<br/> <b>F21V 3/04</b> ( 2018.01 )<br/> <b>F21V 11/00</b> ( 2015.01 )<br/> <b>F21V 13/02</b> ( 2006.01 )<br/> <b>(45)</b> 11.03.2021<br/> <b>(72)</b> Borg, Kenneth John<br/> <b>(74)</b> MLB Lawyers &amp; Associates</p> <hr/> <p><b>CAMUNO BIOTHERAPEUTICS PTY LTD see CAMUNO BIOTHERAPEUTICS PTY LTD</b><br/> <b>(21)</b> 2020104207</p> <hr/> <p><b>(71)</b> CAMUNO BIOTHERAPEUTICS PTY LTD; CAMUNO BIOTHERAPEUTICS PTY LTD<br/> <b>(11)</b> AU-A-2020104207<br/> <b>(21)</b> 2020104207      <b>(22)</b> 21.12.2020<br/> <b>(54)</b> A formulation to improve or enhance immunotherapy for cancers<br/> <b>(51)</b> Int. Cl.<br/> <b>A61P 35/00</b> ( 2006.01 )<br/> <b>A61K 9/00</b> ( 2006.01 )<br/> <b>A61K 31/6615</b> ( 2006.01 )<br/> <b>A61K 31/7004</b> ( 2006.01 )<br/> <b>A61K 31/708</b> ( 2006.01 )<br/> <b>A61K 35/17</b> ( 2015.01 )<br/> <b>A61K 39/395</b> ( 2006.01 )<br/> <b>(45)</b> 11.03.2021<br/> <b>(72)</b> He, Yaoting<br/> <b>(74)</b> CAMUNO BIOTHERAPEUTICS PTY LTD</p> <hr/> <p><b>Changchun Normal University see Jilin Changfa Modern Agricultural Technology Group Co., Ltd</b><br/> <b>(21)</b> 2020104288</p> <hr/> <p><b>(71)</b> Chongqing University<br/> <b>(11)</b> AU-A-2020104208<br/> <b>(21)</b> 2020104208      <b>(22)</b> 21.12.2020</p> |
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**C04B 35/56** ( 2006.01 )  
**C04B 35/626** ( 2006.01 )  
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**H01H 1/021** ( 2006.01 )

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 (21) 2020104263

Jiangsu Jhs Environment Technologis Co., Ltd see Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment  
 (21) 2020104219

(71) Jiangxi Academy of Environmental Sciences  
 (11) AU-A-2020104225  
 (21) 2020104225 (22) 22.12.2020  
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 (51) Int. Cl.  
**B01J 20/12** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**B03D 3/06** ( 2006.01 )  
**C02F 1/28** ( 2006.01 )  
**C02F 1/52** ( 2006.01 )  
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 (45) 11.03.2021  
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 (74) Houlihan<sup>2</sup> Pty Ltd

(71) Jiangxi Huawei Technology Co., Ltd  
 (11) AU-A-2020104232  
 (21) 2020104232 (22) 22.12.2020  
 (54) ENVIRONMENTALLY RESPONSIVE PAECILOMYCES LILACINUM MI-

CROBEAD AND ITS PREPARATION METHOD THEREOF  
 (51) Int. Cl.  
**A01N 63/30** ( 2020.01 )  
**A01N 25/22** ( 2006.01 )  
**A01N 25/26** ( 2006.01 )  
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 (74) Madderns Pty Ltd

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(71) Jilin Changfa Modern Agricultural Technology Group Co., Ltd; Changchun Normal University; Jilin Agricultural University  
 (11) AU-A-2020104288  
 (21) 2020104288 (22) 23.12.2020  
 (54) Preparation method of a kind of fish soybean paste containing Agastache rugosa and Perilla frutescens  
 (51) Int. Cl.  
**A23L 17/10** ( 2016.01 )  
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(71) Jilin University  
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**A61K 38/20** ( 2006.01 )  
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 (45) 11.03.2021  
 (72) Li, Dong; Cui, Weiwei  
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 (21) 2020104247 (22) 22.12.2020  
 (54) AN AUTOMATED MIXER GRINDER FOR GRINDING A SUBSTANCE TO A REQUIRED FORM  
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**B02C 9/00** ( 2006.01 )  
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(51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
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tal, Puneet  
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(21) 2020102992

(71) KUO, A.  
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(21) 2020104222 (22) 22.12.2020  
(54) Towel holder  
(51) Int. Cl.  
**A47K 10/10** ( 2006.01 )  
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(45) 11.03.2021  
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(74) AJ PARK

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(54) LEAK DETECTION AND LOCATION  
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(51) Int. Cl.  
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**G01N 29/14** ( 2006.01 )  
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(21) 2020104251

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(21) 2020104213

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(21) 2020104213

**Mohanam, M. see T, A.**  
(21) 2020104248

**N, S. see K, R.**  
(21) 2020104247

**Nagrath, P. see Panda, R.C.**  
(21) 2020104251

**Nanjing Daqo Electrical Institute Co., Ltd.  
see Daqo Group Co., Ltd.**  
(21) 2020104263

(71) Nanjing Hydraulic Research Institute;  
Hebei University of Engineering; Hei-  
longjiang Province Hydraulic Research  
Institute  
(11) AU-A-2020104274  
(21) 2020104274 (22) 23.12.2020  
(54) An instrument for measuring soil per-  
meability coefficient under the action of  
freeze-thaw cycle  
(51) Int. Cl.  
**G01N 15/08** ( 2006.01 )  
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Shengshui; Su, Anshuang; Fu, Zhong-  
zhi; Zhong, Qiming; Li, Zhaoyu; Wu,  
Xinlei; Liu, Saichao  
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(71) Nanjing Institute of Environmental Sci-  
ences, Ministry of Ecology and Environ-  
ment; Jiangsu Jhs Environment Tech-  
nologis Co., Ltd  
(11) AU-A-2020104219  
(21) 2020104219 (22) 22.12.2020  
(54) WATER QUALITY DETECTION  
DEVICE FOR WATER POLLUTION  
CONTROL  
(51) Int. Cl.  
**G01N 33/18** ( 2006.01 )  
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Jianhua; WANG, Shudong  
(74) Wynnes Patent and Trade Mark Attor-  
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(71) Nanjing Kanghe Institute of Cell Genet-  
ic Engineering Co., Ltd.  
(11) AU-A-2020104287  
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ction kit and its preparation method

(51) Int. Cl.  
**G01N 33/531** ( 2006.01 )  
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(74) Alder IP Pty Ltd

(71) Nanjing Tech University  
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STATE  
(51) Int. Cl.  
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Dong, Jun  
(74) Madders Pty Ltd

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Sandhu, Amanpreet  
(74) RADIAN GLOBAL PTY LTD

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(51) Int. Cl.  
**A61B 5/024** ( 2006.01 )  
**A41D 19/015** ( 2006.01 )  
**A61B 5/01** ( 2006.01 )  
**A61B 5/0205** ( 2006.01 )  
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(45) 11.03.2021  
(72) Nijhawan, Parag; Singh, Parminder;  
Sandhu, Amanpreet; Dhingra, Arvind;  
Kansal, Satish  
(74) RADIAN GLOBAL PTY LTD

(71) Ningbo Yucheng Technology Co., Ltd.  
(11) AU-A-2020104252  
(21) 2020104252 (22) 23.12.2020  
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OD FOR VERIFYING ANTI-COUNTER-  
FEIT LABEL AND METHOD FOR GEN-  
ERATING ANTI-COUNTERFEIT LA-  
BEL  
(51) Int. Cl.  
**G06K 19/08** ( 2006.01 )

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**G06K 7/00** ( 2006.01 )  
**G09F 3/02** ( 2006.01 )  
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**(72)** Li, Tianjun; Zhang, Li; Zhang, Qing; Xu, Jinshan; Duan, Yuanfang; Liang, Yan; Sun, Zhuo  
**(74)** Remarkable IP

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**(11)** AU-A-2020104290  
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**(54)** A Phosphate-free Water Holding Agent for Emulsified Meat Products and Preparation Method Thereof  
**(51)** Int. Cl.  
**A23L 13/40** ( 2016.01 )  
**A23B 4/20** ( 2006.01 )  
**A23B 4/24** ( 2006.01 )  
**A23L 13/00** ( 2016.01 )  
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**(72)** Liu, Qian; Kong, Baohua; Zhao, Honglei; Liu, Meiyue; Xia, Xiufang; Chen, Qian; Sun, Fangda  
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**(11)** AU-A-2020104270  
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**(54)** THANGKA IMAGE INPAINTING METHOD COMBINING WITH DOMAIN KNOWLEDGE  
**(51)** Int. Cl.  
**G06T 5/00** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**(45)** 11.03.2021  
**(72)** Wang, Weilan; Wang, Tiejun  
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**(21)** 2020104251 **(22)** 23.12.2020  
**(54)** INDIGENOUS THERMAL MATTRESS TO PREVENT NEONATAL HYPOTHERMIA  
**(51)** Int. Cl.  
**A47C 21/04** ( 2006.01 )  
**A47D 15/00** ( 2006.01 )  
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**G05D 23/19** ( 2006.01 )  
**H05B 1/02** ( 2006.01 )  
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**(72)** Panda, Ramesh Chandra; Masih, Jolly; PANDIAN, P. PAL; Nagrath, Preeti; Rakshit, Pranati; Singla, Bhawna; Majumder, Amit; Shrivastava, Padmavati; Kaur, Damandeep; Agarw-

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**(74)** Blessen Skariah Thomas

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**Pandey, A. see Shrivastava, R.**  
**(21)** 2020102992

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**(21)** 2020104251

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**(21)** 2020102992

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**(71)** Plastec Australia Pty Ltd  
**(11)** AU-A-2020104264  
**(21)** 2020104264 **(22)** 23.12.2020  
**(54)** A PIPE BRANCH PIECE  
**(51)** Int. Cl.  
**E03C 1/122** ( 2006.01 )  
**(45)** 11.03.2021  
**(72)** HOBBS, Andrew  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(21)** 2020104236 **(22)** 22.12.2020  
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**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
**C12Q 1/6844** ( 2018.01 )  
**(45)** 11.03.2021  
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**(74)** Alder IP Pty Ltd

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**(71)** Poultry Institute, Shandong Academy of Agricultural Sciences  
**(11)** AU-A-2020104238  
**(21)** 2020104238 **(22)** 22.12.2020  
**(54)** A medicine for treating Newcastle disease, avian influenza and duck plague  
**(51)** Int. Cl.  
**A61K 36/282** ( 2006.01 )  
**A61K 31/616** ( 2006.01 )  
**A61K 36/236** ( 2006.01 )  
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**A61K 36/481** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
**A61P 31/22** ( 2006.01 )  
**(45)** 11.03.2021  
**(72)** Qi, Lihong; Liu, Tao; Song, Lingling; Wu, Jiaqiang; Fang, Lichun; Lv, Junfeng; Yang, Yingge; Ai, Wu; Ju, Yan  
**(74)** Alder IP Pty Ltd

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**Purohit, A. see Shrivastava, R.**

**(21)** 2020102992

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**(71)** Qingdao Agriculture University  
**(11)** AU-A-2020104234  
**(21)** 2020104234 **(22)** 22.12.2020  
**(54)** An Estimation Method and Estimator for Sideslip Angle of Straight-line Navigation of Agricultural Machinery  
**(51)** Int. Cl.  
**B60W 40/10** ( 2012.01 )  
**B60W 60/00** ( 2020.01 )  
**(45)** 11.03.2021  
**(72)** Zhang, Jian; Yang, Ranbing  
**(74)** Alder IP Pty Ltd

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**(21)** 2020104251

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**(21)** 2020104251

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**Ramamurthy, S. see T, A.**  
**(21)** 2020104248

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**Rani, S. see Kataria, A.**  
**(21)** 2020104213

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**(21)** 2020104251

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**(71)** Research Institute of Forestry, Chinese Academy of Forestry  
**(11)** AU-A-2020104203  
**(21)** 2020104203 **(22)** 21.12.2020  
**(54)** DEVICE AND METHOD FOR MEASURING FORWARD AND REVERSE SAP FLOW DENSITY OF TREE TRUNKS  
**(51)** Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**G01F 1/68** ( 2006.01 )  
**(45)** 11.03.2021  
**(72)** Zhang, Jinsong; Shi, Shengjin; He, Chunxia; Sun, Shoujia; Huang, Hui; Ma, Changming; Sun, Sheng; Yin, Changjun  
**(74)** Madderns Pty Ltd

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**(71)** Rott, D.  
**(11)** AU-A-2020104230  
**(21)** 2020104230 **(22)** 22.12.2020  
**(54)** INTEGRATED GENERIC DUAL THRUSTER ELECTRIC DRIVE TRAIN FOR RECREATIONAL WATERCRAFT PROPULSION dual jet electric system to propel watercraft  
**(51)** Int. Cl.  
**A63H 23/14** ( 2006.01 )  
**B63H 21/17** ( 2006.01 )  
**B63H 21/30** ( 2006.01 )  
**(45)** 11.03.2021  
**(72)** Rott, Dainuri  
**(74)** Dainuri Rott

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(21) 2020103747

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(21) 2020103827

(71) Sayfa R&D Pty Ltd  
(11) AU-A-2020104271  
(21) 2020104271 (22) 23.12.2020  
(54) A Davit Assembly  
(51) Int. Cl.

**B66C 23/20** ( 2006.01 )  
**A62B 1/00** ( 2006.01 )  
**B66C 23/04** ( 2006.01 )  
**B66C 23/88** ( 2006.01 )  
**B66D 3/00** ( 2006.01 )  
**E04G 3/32** ( 2006.01 )  
**E04G 3/34** ( 2006.01 )  
**E04G 5/00** ( 2006.01 )  
**E04G 23/00** ( 2006.01 )

(45) 11.03.2021  
(72) Voss, Murray; Voss, Barry  
(74) Actuate Patents

(71) Shandong Institute of Pomology  
(11) AU-A-2020104211  
(21) 2020104211 (22) 21.12.2020  
(54) A special flower thinning agent for apples and its preparation method and use method

(51) Int. Cl.  
**A01N 59/06** ( 2006.01 )  
**A01N 25/12** ( 2006.01 )  
**A01N 37/02** ( 2006.01 )  
**A01N 55/02** ( 2006.01 )

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(74) Alder IP Pty Ltd

(71) Shanxi University  
(11) AU-A-2020104259  
(21) 2020104259 (22) 23.12.2020

(54) Ultrafast dynamics imaging method and system based on single-molecule quantum coherence

(51) Int. Cl.  
**G01B 9/02** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G01N 21/64** ( 2006.01 )

(31) 202011417542.0 (32) 07.12.20 (33) CN  
(45) 11.03.2021  
(72) Qin, Chengbing; Chen, Ruiyun; Hu, Jianyong; Han, Shuangping; Li, Yao; Zhang, Guofeng; Jing, Mingyong; Xiao, Liantuan; Jia, Suotang  
(74) Shelston IP Pty Ltd.

(71) Shaoguan University; Shenzhen Xihan Medical and Healthy Environmental Protection Co. Ltd

(11) AU-A-2020104239  
(21) 2020104239 (22) 22.12.2020  
(54) A graphene based purification method and device for medical sewage in general hospitals

(51) Int. Cl.  
**C02F 1/00** ( 2006.01 )  
**C02F 1/28** ( 2006.01 )  
**C02F 1/68** ( 2006.01 )  
**E03F 3/02** ( 2006.01 )  
**E03F 5/10** ( 2006.01 )  
**E03F 5/18** ( 2006.01 )

(45) 11.03.2021  
(72) Cheng, Jinsheng; Wan, Weihong  
(74) Alder IP Pty Ltd

**Sharma, K. see Shrivastava, R.**

(21) 2020102992

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104243  
(21) 2020104243 (22) 22.12.2020  
(54) A THREE-SEGMENT TOUCH CONTROL EARPHONE

(51) Int. Cl.  
**H04R 1/10** ( 2006.01 )  
**G06F 3/044** ( 2006.01 )

(45) 11.03.2021  
(72) He, Ding; Liu, Zhi; Pi, Zhenxing; Yang, Bing  
(74) Madderns Pty Ltd

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104255  
(21) 2020104255 (22) 23.12.2020  
(54) SPEAKER

(51) Int. Cl.  
**H04R 1/06** ( 2006.01 )

(31) 202022829059.5 (32) 30.11.20 (33) CN  
(45) 11.03.2021  
(72) HE, Ding; LIU, Zhi; XIA, HongWei; ZHOU, HaiLong  
(74) Remarkable IP

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104256  
(21) 2020104256 (22) 23.12.2020  
(54) SWITCHING CIRCUIT OF KEYBOARD KEY LAYOUT

(51) Int. Cl.  
**H01H 13/70** ( 2006.01 )  
**G06F 3/02** ( 2006.01 )

(31) 202022808993.9 (32) 27.11.20 (33) CN  
(45) 11.03.2021  
(72) HE, Ding; LIU, Zhi; LIANG, Wei; ZHOU, HaiLong  
(74) Remarkable IP

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104257  
(21) 2020104257 (22) 23.12.2020  
(54) BLUETOOTH HEADSET CONTROL CIRCUIT  
(51) Int. Cl.  
**H04R 1/00** ( 2006.01 )  
**G06F 3/043** ( 2006.01 )  
**H04R 3/12** ( 2006.01 )  
(31) 202022829989.0 (32) 27.11.20 (33) CN  
(45) 11.03.2021  
(72) HE, Ding; LIU, Zhi; XIAO, XianGao; ZHOU, HaiLong  
(74) Remarkable IP

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104258  
(21) 2020104258 (22) 23.12.2020  
(54) ADAPTIVE BOOST CIRCUIT  
(51) Int. Cl.  
**H02M 3/158** ( 2006.01 )

(31) 202022889310.7 (32) 03.12.20 (33) CN  
(45) 11.03.2021  
(72) HE, Ding; LIU, Zhi; XIAO, XianGao; ZHOU, HaiLong  
(74) Remarkable IP

(71) Shenzhen Thousandshores Technology Co., Ltd.

(11) AU-A-2020104260  
(21) 2020104260 (22) 23.12.2020  
(54) DENOISE CIRCUIT  
(51) Int. Cl.

**H04R 3/00** ( 2006.01 )  
**G10K 11/16** ( 2006.01 )

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(71) Shenzhen Thousandshores Technology Co., Ltd.

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**G06F 40/30** ( 2020.01 )  
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| <b>2020104188</b> | GU, M.  | <b>2020104256</b> | Shenzhen Thousandshores Technology Co., Ltd.  |
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| <b>2020104202</b> | Institute of Animal Science and Veterinary Medicine, Hubei Academy of Agricultural Sciences   | <b>2020104258</b> | Shenzhen Thousandshores Technology Co., Ltd.  |
| <b>2020104203</b> | Research Institute of Forestry, Chinese Academy of Forestry   | <b>2020104259</b> | Shanxi University   |
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| <b>2020104205</b> | Jiangsu Academy of Marine Resources Development (Lianyungang), Jiangsu Ocean University   | <b>2020104261</b> | Shenzhen Thousandshores Technology Co., Ltd.  |
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| 2020104289               |                          | <b><u>A61L 33 /-</u></b> |                          |                          | <b><u>C04B 20 /-</u></b> |
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|                          | <b><u>A47G 9 /-</u></b>  | 2020104218               |                          |                          |                          |
| <b><u>A01N 59 /-</u></b> |                          | <b><u>A61P 31 /-</u></b> | 2020104286               | <b><u>B64D 27 /-</u></b> | 2020104280               |
| 2020104211               | 2020104251               |                          | <b><u>B27K 5 /-</u></b>  | 2020104229               | 2020104285               |
|                          | <b><u>A47J 43 /-</u></b> | 2020104238               |                          |                          | <b><u>C04B 35 /-</u></b> |
| <b><u>A01N 63 /-</u></b> |                          | <b><u>A61P 35 /-</u></b> | 2020104286               | <b><u>B64D 31 /-</u></b> |                          |
| 2020104232               | 2020104247               |                          | <b><u>B27N 1 /-</u></b>  | 2020104229               | 2020104205               |
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| 2020104245               | 2020104293               | 2020104224               |                          | 2020104293               | <b><u>C05D 9 /-</u></b>  |
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| <p>(71) 4C Medical Technologies, Inc.<br/>                     (11) AU-A-2019337090<br/>                     (21) 2019337090 (22) 04.09.2019<br/>                     (54) Stent loading device with fluid reservoir<br/>                     (51) Int. Cl.<br/>                     A61F 2/24 ( 2006.01 )<br/>                     A61F 2/06 ( 2013.01 )<br/>                     A61F 2/07 ( 2013.01 )<br/>                     A61M 25/10 ( 2013.01 )<br/>                     A61M 39/20 ( 2006.01 )<br/>                     (87) WO2020/051164<br/>                     (31) 62/726,614 (32) 04.09.18 (33) US<br/>                     16/558,897 03.09.19 US<br/>                     (43) 12.03.2020<br/>                     (72) PETERSON, Alex A.; DIEDERING, Jason S.; KUMAR, Saravana B.<br/>                     (74) FPA Patent Attorneys Pty Ltd</p>                            | <p>(71) ABELL, T.U.<br/>                     (11) AU-A-2019325888<br/>                     (21) 2019325888 (22) 03.07.2019<br/>                     (54) System and method of controlling temperature of a medium by refrigerant vaporization<br/>                     (51) Int. Cl.<br/>                     F25B 5/02 ( 2006.01 )<br/>                     F25B 5/00 ( 2006.01 )<br/>                     F25B 41/00 ( 2006.01 )<br/>                     F28C 1/00 ( 2006.01 )<br/>                     (87) WO2020/040887<br/>                     (31) 16/110,895 (32) 23.08.18 (33) US<br/>                     62/746,751 17.10.18 US<br/>                     62/769,980 20.11.18 US<br/>                     (43) 27.02.2020<br/>                     (72) ABELL, Thomas U.<br/>                     (74) Spruson &amp; Ferguson</p> | <p>(71) Actively Learn, Inc.<br/>                     (11) AU-A-2019316649<br/>                     (21) 2019316649 (22) 09.08.2019<br/>                     (54) Short answer grade prediction<br/>                     (51) Int. Cl.<br/>                     G05B 23/02 ( 2006.01 )<br/>                     G06F 11/26 ( 2006.01 )<br/>                     G06F 16/245 ( 2019.01 )<br/>                     G06K 9/72 ( 2006.01 )<br/>                     G09B 7/02 ( 2006.01 )<br/>                     (87) WO2020/033922<br/>                     (31) 62/717,723 (32) 10.08.18 (33) US<br/>                     (43) 13.02.2020<br/>                     (72) GOYAL, Jay; FELDMAN, Sergey; BARSHAI, Ilya<br/>                     (74) Spruson &amp; Ferguson</p>   |
| <p>(71) Aalto University Foundation sr<br/>                     (11) AU-A-2019341613<br/>                     (21) 2019341613 (22) 18.09.2019<br/>                     (54) Method for manufacturing building element with wooden frame, building ele-</p>  | <p>(71) Aalto University Foundation sr<br/>                     (11) AU-A-2019341613<br/>                     (21) 2019341613 (22) 18.09.2019<br/>                     (54) Method for manufacturing building element with wooden frame, building ele-</p>  | <p>(71) Adey Holdings (2008) Limited<br/>                     (11) AU-A-2019336484<br/>                     (21) 2019336484 (22) 29.08.2019</p>   |

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- (51) Int. Cl.  
**G01N 31/22** ( 2006.01 )  
**G01N 21/78** ( 2006.01 )  
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- (21) 2019331018 (22) 30.08.2019
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**A61B 5/00** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**G06T 7/00** ( 2017.01 )  
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 methods  
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**A23L 27/30** ( 2016.01 )  
**A23L 29/206** ( 2016.01 )  
**A23L 29/262** ( 2016.01 )  
**A23L 33/21** ( 2016.01 )  
**A23L 33/24** ( 2016.01 )  
**C08B 37/00** ( 2006.01 )  
**C08H 8/00** ( 2010.01 )  
**C12P 19/04** ( 2006.01 )  
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A61K 39/395 ( 2006.01 )  
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C07K 16/00 ( 2006.01 )  
C12N 5/10 ( 2006.01 )  
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H02P 25/089 ( 2016.01 )  
H02P 6/18 ( 2016.01 )  
H02P 23/14 ( 2006.01 )  
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A61K 38/19 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
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C12N 5/078 ( 2010.01 )  
C12N 5/0783 ( 2010.01 )  
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A61K 31/4164 ( 2006.01 )  
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*C07D 241/08* ( 2006.01 )  
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**E21B 23/02** ( 2006.01 )  
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 B29C 53/04 ( 2006.01 )  
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 A61N 5/06 ( 2006.01 )  
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 A41D 31/04 ( 2019.01 )  
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| (71) Zhang, J.  |          |    |                                      |   |
| (11) AU-A-2019320616  |          |    |                                      |   |
| (21) 2019320616 (22) 10.09.2019   |          |    |                                      |   |
| (54) Heat-dissipating car caliper cover                                       |          |    |                                      |   |
| (51) Int. Cl.   |          |    |                                      |   |
| <b>F16D 65/84</b> ( 2006.01 )   |          |    |                                      |   |
| (31) 201910786535.9 (32) 23.08.19 (33) CN                                     |          |    |                                      |   |
| (43) 11.03.2021   |          |    |                                      |   |
| (72) ZHANG, Jianping  |          |    |                                      |   |
| (74) Madderns Pty Ltd   |          |    |                                      |   |
| (71) Zhejiang Hygeiancells Biomedical Co. Ltd                                 |          |    |                                      |   |
| (11) AU-A-2019318661  |          |    |                                      |   |
| (21) 2019318661 (22) 09.08.2019   |          |    |                                      |   |
| (54) Drug used for treating tissue necrosis or for improving cardiac function |          |    |                                      |   |
| (51) Int. Cl.   |          |    |                                      |   |
| <b>A61K 35/57</b> ( 2015.01 )   |          |    |                                      |   |
| <b>A61K 9/10</b> ( 2006.01 )  |          |    |                                      |   |
| <b>A61K 9/19</b> ( 2006.01 )  |          |    |                                      |   |
| <b>A61P 9/10</b> ( 2006.01 )  |          |    |                                      |   |
| (87) WO2020/030091  |          |    |                                      |   |
| (31) 201810911038.2 (32) 10.08.18 (33) CN                                     |          |    |                                      |   |
| (43) 13.02.2020   |          |    |                                      |   |
| (72) QIAN, Jin; SUN, Ning; GAO, Xiang; CUI, Baiping; ZHENG, Yufan             |          |    |                                      |   |
| (74) Davies Collison Cave Pty Ltd   |          |    |                                      |   |
| (71) Zodiac Pool Care Europe  |          |    |                                      |   |
| (11) AU-A-2019349957  |          |    |                                      |   |
| (21) 2019349957 (22) 26.09.2019   |          |    |                                      |   |
| (54) Swimming pool cleaner with orientable liquid flux                        |          |    |                                      |   |
| (51) Int. Cl.   |          |    |                                      |   |
| <b>E04H 4/16</b> ( 2006.01 )  |          |    |                                      |   |
| (87) WO2020/065589  |          |    |                                      |   |
| (31) 18/59033 (32) 28.09.18 (33) FR   |          |    |                                      |   |
| (43) 02.04.2020   |          |    |                                      |   |
| (72) DURIN, Bruno; PICHON, Philippe   |          |    |                                      |   |
| (74) FB Rice Pty Ltd  |          |    |                                      |   |
| (71) Zoetis Services LLC  |          |    |                                      |   |
| (11) AU-A-2019336663  |          |    |                                      |   |
| (21) 2019336663 (22) 03.09.2019   |          |    |                                      |   |
| (54) Palatable antiparasitic formulations                                     |          |    |                                      |   |
| (51) Int. Cl.   |          |    |                                      |   |
| <b>A61K 9/20</b> ( 2006.01 )  |          |    |                                      |   |
| <b>A61K 31/365</b> ( 2006.01 )  |          |    |                                      |   |
| <b>A61K 31/4155</b> ( 2006.01 )   |          |    |                                      |   |
| <b>A61K 31/506</b> ( 2006.01 )  |          |    |                                      |   |
| <b>A61K 31/7048</b> ( 2006.01 )   |          |    |                                      |   |
| (87) WO2020/051106  |          |    |                                      |   |
| (31) 62/727,018 (32) 05.09.18 (33) US   |          |    |                                      |   |
| (43) 12.03.2020   |          |    |                                      |   |
| (72) KOLHE, Sachin Pundlik; THAKUR, Supriya Gautam                            |          |    |                                      |   |
| (74) Davies Collison Cave Pty Ltd   |          |    |                                      |   |
| (71) ZTE Corporation  |          |    |                                      |   |
| (11) AU-A-2019303683  |          |    |                                      |   |
| (21) 2019303683 (22) 12.07.2019   |          |    |                                      |   |

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- (54) Interference finding method and apparatus, receiving device, transmitting device and storage medium  
(51) Int. Cl.  
*H04W 24/04* ( 2009.01 )  
*H04W 72/04* ( 2009.01 )  
(87) WO2020/015582  
(31) 201810802444.5 (32) 20.07.18 (33) CN  
(43) 23.01.2020  
(72) NIU, Li; ZHAO, Yajun  
(74) Davies Collison Cave Pty Ltd
- 

- (71) ZTE Corporation  
(11) AU-A-2019316896  
(21) 2019316896 (22) 10.08.2019  
(54) Indication information sending method, apparatus and system, and storage medium  
(51) Int. Cl.  
*H04W 36/00* ( 2009.01 )  
(87) WO2020/030166  
(31) 201810912161.6 (32) 10.08.18 (33) CN  
(43) 13.02.2020  
(72) LI, Zhendong; LIANG, Shuang  
(74) FB Rice Pty Ltd

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| <b>2015348151</b> | iProov Limited   | <b>2019303080</b> | F-Star Beta Limited  |
| <b>2018431454</b> | Sugirthamuthu, S.; Parikumar, P.   | <b>2019303081</b> | F-Star Delta Limited   |
| <b>2018431742</b> | Prima-Temp, Inc.   | <b>2019303683</b> | ZTE Corporation  |
| <b>2018432389</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019303774</b> | GUPILAN Sr., S.C.  |
| <b>2018432438</b> | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   | <b>2019303885</b> | Evonik Operations GmbH   |
| <b>2018433605</b> | Razer (Asia-Pacific) Pte. Ltd.   | <b>2019303951</b> | Sanofi   |
| <b>2018433607</b> | Razer (Asia-Pacific) Pte. Ltd.   | <b>2019304018</b> | Ecole Polytechnique; Centre National de la Recherche Scientifique          |
| <b>2018433819</b> | The United States of America, as represented by The Secretary, Department of Health and Human Services | <b>2019304072</b> | Jost-Werke Deutschland GmbH  |
| <b>2018434236</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304135</b> | Medherant Ltd  |
| <b>2018435559</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304205</b> | Bicocchi, E.   |
| <b>2018435590</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304221</b> | Guardian Glass, LLC  |
| <b>2018435750</b> | C.R. Bard, Inc.  | <b>2019304235</b> | Asia Top Loyalty Limited   |
| <b>2018436153</b> | Setos Family Trust   | <b>2019304278</b> | AL&AM Pharmachem Ltd.  |
| <b>2018436323</b> | Guangdong OPPO Mobile Telecommunications Corp., Ltd.   | <b>2019304308</b> | Mycelium Biotech Assets Pty Ltd  |
| <b>2018436324</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304450</b> | Evonik Operations GmbH   |
| <b>2018436515</b> | Wisk Aero LLC  | <b>2019304487</b> | Merck Patent GmbH  |
| <b>2018436718</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304501</b> | Nutreco IP Assets B.V.   |
| <b>2018437004</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019304862</b> | Kong, M.C.   |
| <b>2018437146</b> | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   | <b>2019304871</b> | Johnson Controls Technology Company  |
| <b>2018437157</b> | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   | <b>2019305055</b> | University of Louisville Research Foundation, Inc.                         |
| <b>2018437328</b> | NTT DoCoMo, Inc.   | <b>2019305079</b> | Coral Protocol   |
| <b>2018437759</b> | Evonik Operations GmbH   | <b>2019305092</b> | Platelet Biogenesis, Inc.  |
| <b>2018437833</b> | China University of Mining and Technology  | <b>2019305103</b> | Alliance for Sustainable Energy, LLC                                       |
| <b>2018437877</b> | WÜST, D.   | <b>2019305141</b> | VIGNI, T.  |
| <b>2018438158</b> | Techtronic Cordless GP   | <b>2019305154</b> | Valagro S.p.A.   |
| <b>2018438448</b> | Essity Hygiene and Health Aktiebolag   | <b>2019305336</b> | Saisei Pharma Co., Ltd.  |
| <b>2018442251</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | <b>2019305637</b> | Genentech, Inc.  |
| <b>2018443502</b> | Siemens Canada Limited   | <b>2019305663</b> | TeneoBio, Inc.   |
| <b>2018445001</b> | Medklinn Technology Pte. Ltd.  | <b>2019306018</b> | Sanofi   |
| <b>2018447005</b> | Howmet Aerospace Inc.  | <b>2019306021</b> | Sanofi   |
| <b>2018450648</b> | Halliburton Energy Services, Inc.  | <b>2019306023</b> | Sanofi   |
| <b>2018451727</b> | Halliburton Energy Services, Inc.  | <b>2019306115</b> | Extrakt Process Solutions, LLC   |
| <b>2018452012</b> | Halliburton Energy Services, Inc.  | <b>2019306236</b> | REGENXBIO Inc.   |
| <b>2018455892</b> | Halliburton Energy Services, Inc.  | <b>2019306269</b> | Neowe, Inc.  |
| <b>2019266729</b> | Janssen Sciences Ireland Unlimited Company   | <b>2019306504</b> | Enochian Biopharma, Inc.   |
| <b>2019275493</b> | Bionomics Limited  | <b>2019306536</b> | DELORME, D.M.  |
| <b>2019275624</b> | BOE Technology Group Co., Ltd.; Chengdu BOE Optoelectronics Technology Co., Ltd.                       | <b>2019306582</b> | Arcus Biosciences, Inc.  |
| <b>2019275767</b> | Beijing SMTP Technology Co., Ltd.  | <b>2019306721</b> | The University of Tokyo; St. Marianna University School of Medicine        |
| <b>2019281012</b> | Schlage Lock Company LLC   | <b>2019306828</b> | Merck Patent GmbH  |
| <b>2019292919</b> | Inscripta, Inc.  | <b>2019308100</b> | Soul Machines Limited  |
| <b>2019298994</b> | JouleCase LLC  | <b>2019308228</b> | Accel Robotics Corporation   |
| <b>2019300031</b> | The Texas A&M University System  | <b>2019308231</b> | The Scripps Research Institute   |
| <b>2019300188</b> | Festool GmbH   | <b>2019308251</b> | Insulet Corporation  |
| <b>2019300932</b> | Grieger Investments Pty Ltd  | <b>2019308266</b> | Yale University  |
| <b>2019300942</b> | Petróleo Brasileiro S.A. - Petrobras   | <b>2019308280</b> | Server Technology, Inc.  |
| <b>2019300987</b> | Stichting VUmc   | <b>2019308285</b> | Insulet Corporation  |
| <b>2019301226</b> | Aegirbio AB  | <b>2019308311</b> | Cold Spring Harbor Laboratory; DepYmed, Inc.                               |
| <b>2019301603</b> | Torxx Kinetic Pulverizer Limited   | <b>2019308533</b> | SHYFT Power Solutions, Inc.  |
| <b>2019301656</b> | InterDigital VC Holdings, Inc.   | <b>2019308792</b> | The Chinese University of Hong Kong; Grail, Inc.                           |
| <b>2019301838</b> | Blend Labs, Inc.   | <b>2019308940</b> | Guangzhou Ocusun Ophthalmic Biotechnology Co., Ltd.                        |
| <b>2019302558</b> | Elbaite Holdings Pty Limited   | <b>2019308948</b> | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                       |
| <b>2019302563</b> | Rapid Phenotyping Pty Ltd  | <b>2019309242</b> | Centurion BioPharma Corporation  |
| <b>2019302604</b> | Bai Yao Zhi DA (Beijing) Nanobio Technology Co., Ltd.  | <b>2019309263</b> | K-fee System GmbH  |
| <b>2019302917</b> | Lisen Imprinting Diagnostics, Inc.   | <b>2019309329</b> | The George Institute for Global Health                                     |
|                   |  | <b>2019309342</b> | Herbal E Antioxidant Derivatives S.R.L. ED In Forma Abbreviata H&AD S.R.L. |
|                   |  | <b>2019309390</b> | Baxter International Inc.; Baxter Healthcare SA; Welch Allyn, Inc.         |
|                   |  | <b>2019309393</b> | AMDT Holdings, Inc.  |
|                   |  | <b>2019309408</b> | Transluminal Technologies, LLC   |
|                   |  | <b>2019309426</b> | BioGaia AB   |
|                   |  | <b>2019309438</b> | ETH Zürich   |
|                   |  | <b>2019309497</b> | Lycored Ltd.   |
|                   |  | <b>2019309520</b> | Aperta Biosciences, LLC  |



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| 2019309523 | Serina Therapeutics, Inc.   | 2019316649 | Actively Learn, Inc.   |
| 2019309741 | Sofar S.p.A.  | 2019316654 | Nutriomix, Inc.  |
| 2019309913 | Trevi Therapeutics, Inc.  | 2019316714 | Ceramic Oxide Fabricators Pty Ltd  |
| 2019309938 | Eisai R&D Management Co., Ltd.  | 2019316896 | ZTE Corporation  |
| 2019309987 | Taiho Pharmaceutical Co., Ltd.; Otsuka Pharmaceutical Co., Ltd.   | 2019317095 | Takeda Pharmaceutical Company Limited  |
| 2019310018 | Rush University Medical Center  | 2019317353 | Medikine, Inc.   |
| 2019310118 | Concentric Analgesics, Inc.   | 2019317364 | The Board of Trustees of the Leland Stanford Junior University                     |
| 2019310186 | Lumos Diagnostics IP Pty Ltd  | 2019317610 | Krafft Industries LLC  |
| 2019310356 | TARAPASKI, W.E.   | 2019317696 | Zhejiang Hygeiancells Biomedical Co. Ltd   |
| 2019310448 | Mayo Foundation for Medical Education and Research; LIVIA, C.; BEHFAR, A.; SABBAH, M.   | 2019317820 | Maytronics Ltd.  |
| 2019310597 | Alector LLC   | 2019317821 | B. G. Negev Technologies and Applications Ltd., at Ben-Gurion University           |
| 2019310704 | Chia Tai Tianqing Pharmaceutical Group Co., Ltd.  | 2019317990 | Imperial College Innovations Limited; Burns, J.                                    |
| 2019310855 | Carsgen Therapeutics Co., Ltd.  | 2019318096 | Waterborne Development Company Pty Limited   |
| 2019310889 | Faes Farma, S.A.  | 2019318103 | Rostrum Medical Innovations Inc.   |
| 2019311115 | Resilience Financing Inc.   | 2019318115 | Antabio SAS  |
| 2019311320 | Universite Claude Bernard Lyon 1; Centre National de la Recherche Scientifique (CNRS); Ecole Normale Supérieure de Lyon; Institut National de la Sante et de la Recherche Medicale (INSERM); Universite Laval | 2019318205 | Natural Extraction Systems, LLC  |
| 2019311578 | Scoutboot Pty Ltd   | 2019318216 | Bolt Threads, Inc.   |
| 2019311693 | Scan Coin AB  | 2019318460 | Hagan, C.  |
| 2019311751 | Raytheon Company  | 2019318543 | Sitari Pharma, Inc.  |
| 2019311817 | The Technology Partnership PLC.   | 2019318657 | Beijing Geekplus Technology Co., Ltd.  |
| 2019311836 | Guardian Glass, LLC; Guardian Europe S.a.r.l.   | 2019318661 | Zhejiang Hygeiancells Biomedical Co. Ltd   |
| 2019311840 | Indena S.p.A.   | 2019319093 | DEMAC, S.A.  |
| 2019311850 | Alphawave Golf (Pty) Ltd  | 2019319203 | Gen-Probe Incorporated   |
| 2019312036 | Monash University   | 2019319213 | Asymmetric Therapeutics, LLC   |
| 2019312038 | Victor Chang Cardiac Research Institute   | 2019319377 | G+FLAS Life Sciences; Seoul National University R&DB Foundation                    |
| 2019312107 | Armor Industries, LLC   | 2019319425 | Bree, C.   |
| 2019312212 | Mayo Foundation for Medical Education and Research; SABBAH, M.; BEHFAR, A.; LIVIA, C.; PETERSON, T.   | 2019319462 | Huawei Technologies Co., Ltd.  |
| 2019312565 | Cullinan Mica Corp.   | 2019319669 | Shanda Group PTE., LTD.  |
| 2019312692 | Dyne Therapeutics, Inc.   | 2019319674 | Seattle Children's Hospital (DBA Seattle Children's Research Institute)            |
| 2019312743 | PPC Broadband, Inc.   | 2019319767 | Haventec Pty Ltd   |
| 2019312797 | Kingspan Holdings (IRL) Limited   | 2019319790 | PHIMA, S.A.  |
| 2019312801 | Heidelberg Pharma Research GmbH   | 2019319833 | Tau Motors, Inc.   |
| 2019312904 | AstraZeneca AB  | 2019319887 | Rocket Crafters, Inc.  |
| 2019313135 | i-SENS, Inc.  | 2019319953 | Bellerophon Therapeutics   |
| 2019313199 | Joint Stock Company "BIOCAD"  | 2019319970 | Genentech, Inc.  |
| 2019313201 | Orexplora AB  | 2019320080 | Leidos Security Detection & Automation, Inc.                                       |
| 2019313271 | PerkinElmer Health Sciences, Inc.   | 2019320321 | Huawei Technologies Co., Ltd.  |
| 2019313339 | The Board of Trustees of the Leland Stanford Junior University  | 2019320452 | Greenbone Ortho S.P.A.   |
| 2019313361 | Cipher Skin   | 2019320555 | Applied Science & Technology Solutions Ltd   |
| 2019313477 | Landclan Limited  | 2019320616 | Zhang, J.  |
| 2019313996 | The University of Tokyo; Hanavax Inc.   | 2019320617 | KT&G Corporation   |
| 2019314012 | i-SENS, Inc.  | 2019320700 | National University Hospital (Singapore) Pte Ltd; National University of Singapore |
| 2019314285 | Cadenza Innovation, Inc.  | 2019320769 | Empress Medical, INC.  |
| 2019314449 | Gen-Probe Incorporated  | 2019320803 | Denali Therapeutics Inc.   |
| 2019314478 | Fitworks, Inc. DBA Crossover Symmetry   | 2019320818 | Mersana Therapeutics, Inc.   |
| 2019314482 | Weir Slurry Group, Inc.   | 2019321001 | AMSilk GmbH  |
| 2019314538 | Dyne Therapeutics, Inc.   | 2019321022 | DP Polar GmbH  |
| 2019314571 | Knog Pty Ltd  | 2019321100 | Nurotone Medical Ltd.; Northwestern University                                     |
| 2019314696 | Compagnie Pour Le Haut Commerce; Biorem Engineering SA  | 2019321182 | Cambridge Glycoscience Ltd.  |
| 2019314765 | Ausmetec Pty Ltd  | 2019321375 | Alnylam Pharmaceuticals, Inc.  |
| 2019315029 | V-Nova International Limited  | 2019321429 | AiViva BioPharma, Inc.   |
| 2019315103 | Kabushiki Kaisha Toyota Jidoshokki  | 2019321518 | Lyft, Inc.   |
| 2019315336 | Interra Energy Services Ltd.  | 2019321519 | MED-EL Elektromedizinische Geraete GmbH  |
| 2019315350 | Manufacturing Resources International, Inc.   | 2019321552 | The Regents of the University of California  |
| 2019315371 | Cadenza Innovation, Inc.  | 2019321568 | Amarin Pharmaceuticals Ireland Limited   |
| 2019315506 | The Climate Corporation   | 2019321569 | 23andMe, INC.  |
| 2019315593 | Dyne Therapeutics, Inc.   | 2019321571 | Footprint International LLC  |
| 2019315760 | UCL Business Ltd  | 2019321589 | Ivanti, Inc.   |
| 2019315871 | Cipher Skin   | 2019321640 | IDAC Holdings, Inc.  |
| 2019315875 | Cipher Skin   | 2019321663 | Liberty Real Estate Holdings, LLC  |
| 2019316103 | Dyne Therapeutics, Inc.   | 2019321677 | G1 Therapeutics, Inc.  |
| 2019316254 | AstraZeneca AB  | 2019321690 | Raguse, R.; Joraanstad, J.; Braun, D.  |
| 2019316500 | D & D Group Pty Ltd   | 2019321762 | Fisher & Paykel Healthcare Limited   |
| 2019316572 | Incube Labs, LLC  | 2019321770 | Cirrus Materials Science Limited   |
|            |   | 2019321779 | Raft Enterprises Ltd.  |
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| 2019322077 | SPEX Corporate Holdings Limited  | 2019326848 | Robel Bahnbaumaschinen GmbH   |
| 2019322080 | Body Vision Medical Ltd.   | 2019326931 | Siemens Aktiengesellschaft  |
| 2019322200 | Technological Resources Pty. Limited   | 2019327101 | Netmarble Corporation   |
| 2019322255 | Rhino Rack Australia Pty Limited   | 2019327192 | Aanco (UK) Limited  |
| 2019322287 | Jiangsu Hengrui Medicine Co., Ltd.   | 2019327412 | S. C. Johnson & Son, Inc.   |
| 2019322312 | SPEX Corporate Holdings Limited  | 2019327449 | Flagship Pioneering Innovations Vi, LLC   |
| 2019322391 | Truma Gerätetechnik GmbH & Co. KG  | 2019327475 | Morphic Therapeutic, Inc.   |
| 2019322477 | Oceanus, Podvodna Fotografija, Andrej Voje S.P.                              | 2019328112 | Fisher & Paykel Healthcare Limited  |
| 2019322590 | Nippon Telegraph and Telephone Corporation                                   | 2019328316 | ChemistryRx; Brichta, L.  |
| 2019322591 | Nippon Telegraph and Telephone Corporation                                   | 2019328385 | Sandvik Mining and Construction Tools AB  |
| 2019322781 | SMELA, K.  | 2019328411 | GSK Consumer Healthcare S.A.  |
| 2019322805 | Baker Hughes Holdings LLC  | 2019328532 | The Johns Hopkins University  |
| 2019322808 | ExxonMobil Upstream Research Company   | 2019328556 | Cytokinetics, Inc.  |
| 2019322863 | Neurocrine Biosciences, Inc.   | 2019328573 | Research Institute at Nationwide Children's Hospital  |
| 2019322895 | Regeneron Pharmaceuticals, Inc.  | 2019328577 | University of Florida Research Foundation, Incorporated   |
| 2019323153 | BAE SYSTEMS plc  | 2019328590 | Aerie Pharmaceuticals, Inc.   |
| 2019323291 | Fuji Shoji Co.,Ltd.  | 2019328730 | Quick Play Sport Ltd  |
| 2019323536 | GELITA AG  | 2019329178 | NEC Platforms, Ltd.   |
| 2019323550 | Eaton Intelligent Power Limited  | 2019329235 | Tokushima University; Aichi Steel Corporation   |
| 2019323687 | Gawryck, H.  | 2019329412 | Motorola Solutions, Inc.  |
| 2019323706 | UNION therapeutics A/S   | 2019329639 | Doosan Mobility Innovation Inc.   |
| 2019323764 | Tonix Pharma Holdings Limited  | 2019329786 | Smartsky Networks LLC   |
| 2019323790 | Pfizer Inc.  | 2019329852 | Apex Industrial Technologies LLC  |
| 2019323839 | Cellect Biotherapeutics Ltd.   | 2019329884 | Pfizer Inc.   |
| 2019323857 | Fujitsu General Limited  | 2019329984 | Fred Hutchinson Cancer Research Center  |
| 2019324157 | Lumia Group, LLC   | 2019330008 | Iota Biosciences, Inc.  |
| 2019324324 | Stendals EI AB   | 2019330042 | Quantum-Si Incorporated   |
| 2019324521 | Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft                    | 2019330129 | Consortio Comex S.A. de C.V.  |
| 2019324549 | Reactec Limited  | 2019330367 | Unichem Laboratories Limited  |
| 2019324581 | The Catholic University of America   | 2019330472 | Vaughan, J.   |
| 2019324742 | Hexo Operations Inc.   | 2019330474 | Avcatech Laboratories Pty Ltd   |
| 2019324788 | Solo Gelato Ltd.   | 2019330623 | ViaSat, Inc.  |
| 2019324921 | Toray Industries, Inc.   | 2019330733 | C I Corporation Pty Ltd   |
| 2019325113 | Sanwa Biotech Ltd  | 2019330810 | Butterfly Network, Inc.   |
| 2019325151 | Citrix Systems, Inc.   | 2019330998 | Quantum-Si Incorporated   |
| 2019325161 | Lyft, Inc.   | 2019331018 | Alector LLC   |
| 2019325190 | SKF Lubrication Systems Germany GmbH   | 2019331078 | Heartfelt Technologies Limited  |
| 2019325191 | Cranfield University   | 2019331101 | Watt Car Industries Ltd.  |
| 2019325322 | Leverton Holding LLC   | 2019331328 | Daewoong Pharmaceutical Co., Ltd.   |
| 2019325408 | EINZIGER, M.   | 2019331363 | Raytheon Company  |
| 2019325548 | Shifamed Holdings, LLC   | 2019331381 | AMVAC Hong Kong Limited   |
| 2019325562 | US Metals Refining Group, Inc.   | 2019331384 | Omega Flex, Inc.  |
| 2019325565 | Regeneron Pharmaceuticals, Inc.  | 2019331398 | Honeywell International Inc.  |
| 2019325574 | UOP LLC  | 2019331468 | Dentsply Sirona Inc.  |
| 2019325581 | Jubilant Draximage Inc.  | 2019331739 | CMA Macchine per Caffè S.r.l.   |
| 2019325620 | Rocket Crafters Propulsion LLC   | 2019331776 | UBE Industries, Ltd.  |
| 2019325656 | TERNS, Inc.  | 2019331882 | Arthrex, Inc.   |
| 2019325693 | Eiger BioPharmaceuticals, Inc.   | 2019331903 | 3T Biosciences, INC.  |
| 2019325888 | ABELL, T.U.  | 2019332898 | Faunaphotonics Agriculture & Environmental A/S  |
| 2019326047 | CMR Surgical Limited   | 2019332978 | Universite Le Havre Normandie   |
| 2019326066 | Precision Planting LLC   | 2019333044 | Alarm.com Incorporated  |
| 2019326098 | Fujitsu General Limited  | 2019333048 | BERTRAM, T.; JAIN, D.   |
| 2019326259 | V2 Food Pty Ltd  | 2019333123 | ChampionX USA Inc.  |
| 2019326296 | Nexa3D Inc.  | 2019333169 | Inguran, LLC  |
| 2019326304 | Caterpillar Inc.   | 2019333173 | Shattuck Labs, Inc.   |
| 2019326314 | Hexo Operations Inc.   | 2019333230 | BAE Systems Information and Electronic Systems Integration Inc.   |
| 2019326353 | Toyota Motor North America, Inc.   | 2019333253 | Ingram Micro, Inc.  |
| 2019326372 | Butterfly Network, Inc.  | 2019333309 | Formulated Solutions, LLC   |
| 2019326391 | Shamir Optical Industry Ltd.   | 2019333337 | PRICE, J.   |
| 2019326392 | President and Fellows of Harvard College; Dana-Farber Cancer Institute, Inc. | 2019333862 | BioInvent International AB; Transgene SA  |
| 2019326408 | Sangamo Therapeutics, Inc.   | 2019334109 | The Provost, Fellows, Foundation Scholars, and the other Members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth, near Dublin |
| 2019326448 | Duke University  | 2019334823 | Precision Planting LLC  |
| 2019326450 | Motorola Solutions, Inc.   | 2019334845 | ViaLase, Inc.   |
| 2019326476 | Lin, N.  | 2019334864 | BioAtla, Inc.   |
| 2019326496 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.                         | 2019334877 | Eli Lilly and Company   |
| 2019326520 | Lumia Group, LLC   | 2019335037 | Artisan Vehicle Systems, Inc.   |
| 2019326539 | Ovid Therapeutics Inc.   | 2019335199 | Theravance Biopharma R&D IP, LLC  |
| 2019326544 | The Trustees of the University of Pennsylvania                               |            |   |

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|            |   |            |   |
|------------|---|------------|---|
| 2019335200 | Theravance Biopharma R&D IP, LLC  | 2019348253 | Inventio AG   |
| 2019335219 | Gentex Corporation  | 2019349568 | Medtronic Minimed, Inc.   |
| 2019335401 | Regeneron Pharmaceuticals, Inc.   | 2019349684 | Hologic, Inc.   |
| 2019335516 | Arvinas Operations, Inc.; Yale University   | 2019349719 | Tetra Laval Holdings & Finance S.A.   |
| 2019336133 | SiNtx Technologies, Inc.  | 2019349895 | Vitec Imaging Solutions S.p.A.  |
| 2019336167 | Theravance Biopharma R&D IP, LLC  | 2019349944 | Hologic, Inc.   |
| 2019336267 | Eftsure Pty Ltd   | 2019349957 | Zodiac Pool Care Europe   |
| 2019336484 | Adey Holdings (2008) Limited  | 2019351665 | BAE Systems Information and Electronic Systems Integration Inc.                                   |
| 2019336593 | ViaLase, Inc.   | 2019352028 | Clexio Biosciences Ltd.   |
| 2019336607 | The Gillette Company LLC  | 2019352309 | The Doshisha  |
| 2019336663 | Zoetis Services LLC   | 2019352834 | Massachusetts Institute of Technology; Saudi Arabian Oil Company                                  |
| 2019336667 | Eli Lilly and Company   | 2019354650 | Capital One Services, LLC   |
| 2019336687 | SWIMC LLC   | 2019354960 | Capital One Services, LLC   |
| 2019336768 | Artisan Vehicle Systems, Inc.   | 2019356719 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019336940 | Bavarian Nordic A/S   | 2019356720 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019337086 | Gracenote, Inc.   | 2019356722 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019337090 | 4C Medical Technologies, Inc.   | 2019358373 | Inventio AG   |
| 2019337091 | Cambridge Mobile Telematics Inc.  | 2019358744 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019337365 | Keppel Data Centres Holding Pte. Ltd.   | 2019358745 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019337392 | Boehringer Ingelheim RCV GmbH & Co KG   | 2019359128 | Hollister Incorporated  |
| 2019337572 | Citrix Systems, Inc.  | 2019361280 | Nouscom AG  |
| 2019337640 | Spectrum Pharmaceuticals, Inc.  | 2019362458 | Helixmith Co., Ltd.   |
| 2019337759 | Nanjing Legend Biotech Co., Ltd.  | 2019362849 | Dana-Farber Cancer Institute, Inc.; Voronoi Inc.  |
| 2019337773 | Mastercard Technologies Canada ULC  | 2019363279 | Ferring BV  |
| 2019338119 | Reaction Engines Limited  | 2019364624 | The Chemours Company FC, LLC  |
| 2019338183 | Metabolon, Inc.   | 2019366249 | GE Global Sourcing LLC  |
| 2019338221 | Technische Universität München  | 2019367605 | Chevron U.S.A. Inc.   |
| 2019338302 | Citrix Systems, Inc.  | 2019368954 | Mitsubishi Heavy Industries Engineering, Ltd.   |
| 2019338456 | Qualcomm Incorporated   | 2019372304 | Boston Scientific Limited   |
| 2019338513 | Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd   | 2019373095 | Quintis (Australia) Pty Limited   |
| 2019338520 | Pioneer Hi-Bred International, Inc.   | 2019373199 | Coeurative, Inc.  |
| 2019338717 | Kerry Luxembourg S.a.r.l.   | 2019373278 | Casale SA   |
| 2019339245 | LG Electronics Inc.   | 2019378072 | Abu Dhabi Polymers Co. Ltd (Borouge) L.L.C.; Borealis AG  |
| 2019339264 | Board of Regents, The University of Texas System; Lung Therapeutics, Inc.   | 2019380766 | Farb, M.  |
| 2019339469 | The Board of Regents of the University of Texas System; Immune-Onc Therapeutics, Inc.   | 2019389903 | Novocure GmbH   |
| 2019339783 | Depuy Synthes Products, Inc.  | 2019390976 | BAE Systems Information and Electronic Systems Integration Inc.                                   |
| 2019339784 | Netafim Ltd   | 2019394685 | Halliburton Energy Services, Inc.   |
| 2019339895 | Amgen Inc.  | 2019400473 | Fuchs Petrolub SE   |
| 2019339905 | Becton, Dickinson and Company   | 2019415578 | Gree Electric Appliances, Inc. of Zhuhai  |
| 2019339912 | LG Electronics Inc.   | 2019423616 | Photizo Global Pte Ltd  |
| 2019340333 | Nanjing Legend Biotech Co., Ltd.  | 2019430941 | Citrix Systems, Inc.  |
| 2019340443 | Reckitt Benckiser Finish B.V.   | 2020215234 | TRiCares SAS  |
| 2019340475 | Université de Lausanne  | 2020216260 | S&C Electric Company  |
| 2019340530 | Eucure (Beijing) Biopharma Co., Ltd   | 2020242723 | Shanghai Haiyan Pharmaceutical Technology Co., Ltd.; Yangtze River Pharmaceutical Group Co., Ltd. |
| 2019340647 | Haventec Pty Ltd  | 2020262609 | Sekisui House, Ltd.   |
| 2019340675 | The United States of America, as represented by The Secretary, Department of Health and Human Services  | 2020281169 | Jura Elektroapparate AG   |
| 2019340705 | Mastercard Technologies Canada ULC  | 2020286285 | Elpiscience (Suzhou) Biopharma, Ltd.; Elpiscience Biopharma, Ltd.                                 |
| 2019341613 | Aalto University Foundation sr  | 2020297527 | School of Rock, LLC   |
| 2019341653 | Solus Scientific Solutions Ltd  | 2020298459 | HOLT, B.  |
| 2019341748 | Civiq Pty Ltd   | 2020316429 | Yang, W.  |
| 2019342102 | TERNS, Inc.   | 2020324701 | Toppan Printing Co., Ltd.   |
| 2019342721 | Hologic, Inc.   | 2020327341 | Samsung Electronics Co., Ltd.   |
| 2019342877 | Novadip Biosciences   |            |   |
| 2019343654 | Leisure-Tec International Limited   |            |   |
| 2019343999 | Hologic, Inc.   |            |   |
| 2019344335 | Mettler Toledo Precision Instrument Company Limited; Mettler Toledo Measurement Technology Company Limited; Mettler-Toledo International Trading (Shanghai) Co., Ltd. |            |   |
| 2019344408 | nearmap Australia Pty Ltd   |            |   |
| 2019345881 | Inventio AG   |            |   |
| 2019346445 | Illinois Tool Works Inc.  |            |   |
| 2019346670 | Light Field Lab, Inc.   |            |   |
| 2019346813 | Medtronic Minimed, Inc.   |            |   |
| 2019347155 | Toshiba Carrier Corporation   |            |   |
| 2019347545 | Celltrion, Inc.   |            |   |
| 2019347704 | Apple Inc.  |            |   |
| 2019348162 | Casale SA   |            |   |

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| 2019326066               | 2019321001               | 2019304501               | 2019336607               | 2019312038               | 2019306269               |
| 2019334823               | <b><u>A01N 37 /-</u></b> | <b><u>A23L 2 /-</u></b>  | <b><u>A47C 4 /-</u></b>  | 2019313135               | <b><u>A61H 1 /-</u></b>  |
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| <b><u>A01C 21 /-</u></b> | <b><u>A01N 43 /-</u></b> | 2019349719               | 2019328730               | 2019315871               | 2018437877               |
| 2019326066               | 2019329235               | <b><u>A23L 27 /-</u></b> | <b><u>A47G 19 /-</u></b> | 2019315875               | <b><u>A61H 23 /-</u></b> |
| <b><u>A01C 23 /-</u></b> | 2019341653               | 2019321182               | 2019317610               | 2019316572               | 2018437877               |
| 2019326066               | <b><u>A01N 59 /-</u></b> | <b><u>A23L 29 /-</u></b> | <b><u>A47G 21 /-</u></b> | 2019318103               | 2019319093               |
| 2019331381               | 2019314696               | 2019321182               | 2019317610               | 2019319953               | <b><u>A61J 1 /-</u></b>  |
| <b><u>A01C 5 /-</u></b>  | 2019329235               | 2019323536               | <b><u>A47J 31 /-</u></b> | 2019321100               | 2019339905               |
| 2019326066               | 2019305154               | 2019326259               | 2019309263               | 2019325113               | <b><u>A61K 31 /-</u></b> |
| <b><u>A01C 7 /-</u></b>  | <b><u>A01N 63 /-</u></b> | 2019326314               | 2019331739               | 2019326372               | 2019266729               |
| 2019326066               | 2019305154               | <b><u>A23L 3 /-</u></b>  | 2020281169               | 2019334109               | 2019275493               |
| 2019331381               | <b><u>A01N 65 /-</u></b> | 2019330474               | <b><u>A47L 5 /-</u></b>  | 2019349568               | 2019300031               |
| 2019334823               | 2019305154               | 2019336133               | 2019339245               | 2019349944               | 2019302604               |
| <b><u>A01D 59 /-</u></b> | <b><u>A01P 21 /-</u></b> | <b><u>A23L 33 /-</u></b> | 2019339912               | <b><u>A61B 8 /-</u></b>  | 2019304487               |
| 2019326304               | 2019329235               | 2019321182               | <b><u>A47L 7 /-</u></b>  | 2019305055               | 2019305637               |
| <b><u>A01D 69 /-</u></b> | <b><u>A01P 7 /-</u></b>  | 2019323536               | 2019300188               | 2019316572               | 2019306236               |
| 2019326304               | 2019321001               | 2019324742               | <b><u>A47L 9 /-</u></b>  | 2019326372               | 2019306582               |
| <b><u>A01G 9 /-</u></b>  | <b><u>A01P 9 /-</u></b>  | 2019326314               | 2019300188               | 2019330810               | 2019306828               |
| 2019319790               | 2019321001               | <b><u>A23L 5 /-</u></b>  | 2019339245               | <b><u>A61B 90 /-</u></b> | 2019308231               |
| <b><u>A01H 1 /-</u></b>  | <b><u>A21D 13 /-</u></b> | 2019326259               | 2019339912               | 2018435750               | 2019308940               |
| 2019326544               | 2019324742               | <b><u>A23L 7 /-</u></b>  | <b><u>A61B 1 /-</u></b>  | 2019326372               | 2019309329               |
| 2019338520               | 2019326314               | 2019323536               | 2019326047               | <b><u>A61D 19 /-</u></b> | 2019309497               |
| <b><u>A01H 5 /-</u></b>  | <b><u>A23G 1 /-</u></b>  | <b><u>A23P 30 /-</u></b> | 2019372304               | 2019309520               | 2019309523               |
| 2019326544               | 2019324742               | 2019326259               | <b><u>A61B 10 /-</u></b> | 2019309741               | 2019309913               |
| 2019338520               | 2019326314               | 2019320617               | 2019304205               | 2019309938               | 2019309987               |
| <b><u>A01K 13 /-</u></b> | <b><u>A23G 3 /-</u></b>  | <b><u>A41D 13 /-</u></b> | <b><u>A61B 17 /-</u></b> | 2019310448               | 2019310889               |
| 2019311578               | 2019324742               | 2019313361               | 2018431454               | 2019312212               | 2019312692               |
| <b><u>A01L 3 /-</u></b>  | 2019326314               | 2019315871               | 2019304205               | 2019312692               | 2019312904               |
| 2019311578               | <b><u>A23G 4 /-</u></b>  | 2019315875               | <b><u>A61B 13 /-</u></b> | 2019312904               | 2019313199               |
| <b><u>A01M 7 /-</u></b>  | 2019324742               | <b><u>A41D 31 /-</u></b> | 2018438448               | 2019313271               | 2019314538               |
| 2019332898               | 2019326314               | 2019326520               | <b><u>A61F 2 /-</u></b>  | <b><u>A61B 90 /-</u></b> | 2019316254               |
| <b><u>A01M 99 /-</u></b> | <b><u>A23G 9 /-</u></b>  | 2019331882               | 2019325548               | 2019316654               | 2019317364               |
| 2019331381               | 2019324788               | 2019339783               | 2019337090               | 2019317821               | 2019318115               |
| <b><u>A01N 1 /-</u></b>  | <b><u>A23J 3 /-</u></b>  | <b><u>A45C 13 /-</u></b> | 2019352309               | 2019318115               | 2019318543               |
| 2019352309               | 2019326259               | 2019339783               | 2020215234               | 2019319213               | 2019319213               |
|                          | <b><u>A23K 10 /-</u></b> | <b><u>A45C 5 /-</u></b>  | <b><u>A61F 5 /-</u></b>  | 2019321375               | 2019321375               |
|                          | 2019304501               | 2019326353               | 2019359128               | 2019321429               | 2019321429               |
|                          |                          | <b><u>A45C 7 /-</u></b>  | <b><u>A61F 9 /-</u></b>  | 2019321568               | 2019321568               |
|                          |                          | 2019319669               | 2019322287               | 2019321677               | 2019321677               |
|                          |                          |                          | 2019322287               | 2019321677               | 2019322287               |
|                          |                          |                          | 2019322781               | 2019321677               | 2019322781               |
|                          |                          |                          | 2019334845               | 2019322863               | 2019322863               |
|                          |                          |                          | 2019336593               | 2019323706               | 2019323706               |
|                          |                          |                          | <b><u>A61B 34 /-</u></b> | 2019323764               | 2019323764               |
|                          |                          |                          | 2019334845               | 2019324521               | 2019324521               |
|                          |                          |                          | <b><u>A61B 5 /-</u></b>  | 2019324742               | 2019324742               |
|                          |                          |                          | 2019326353               | 2019325408               | 2019325408               |
|                          |                          |                          |                          | 2019325656               | 2019325656               |
|                          |                          |                          |                          | 2019326314               | 2019326314               |
|                          |                          |                          | 2018431742               | 2019326448               | 2019326448               |
|                          |                          |                          | 2019305055               |                          |                          |

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| 2019326539               | <b><u>A61K 39 /-</u></b> |                          | 2019339905               | 2019333048               | 2019333173               |
| 2019327475               |                          | <b><u>A61K 8 /-</u></b>  |                          | 2019336667               | 2019333862               |
| 2019328316               | 2018433819               |                          | <b><u>A61M 5 /-</u></b>  | 2019340675               | 2019335516               |
| 2019328411               | 2019303080               | 2019312212               |                          | 2019352028               | 2019337759               |
| 2019328556               | 2019303081               | 2019325408               | 2019303951               |                          | 2019338221               |
| 2019328590               | 2019305637               |                          | 2019306018               | <b><u>A61P 27 /-</u></b> | 2019340475               |
| 2019329884               | 2019306721               | <b><u>A61K 9 /-</u></b>  | 2019306021               |                          | 2019361280               |
| 2019331328               | 2019309938               |                          | 2019306023               | 2019308940               | 2020242723               |
| 2019334877               | 2019310855               | 2019304135               | 2019308251               | 2019328590               | 2020316429               |
| 2019335200               | 2019311320               | 2019306236               | 2019308285               | 2019352309               |                          |
| 2019335516               | 2019312565               | 2019308940               | 2019339905               |                          | <b><u>A61P 37 /-</u></b> |
| 2019336167               | 2019313996               | 2019309741               | 2019346813               | <b><u>A61P 29 /-</u></b> |                          |
| 2019336663               | 2019320803               | 2019310018               | 2019349568               |                          | 2019304308               |
| 2019336667               | 2019321569               | 2019312212               |                          | 2019305336               | 2019313996               |
| 2019337640               | 2019323790               | 2019313996               | <b><u>A61N 1 /-</u></b>  | 2019309741               | 2019321569               |
| 2019340675               | 2019323839               | 2019317364               |                          | 2019310889               | 2019323839               |
| 2019342102               | 2019326544               | 2019318661               | 2019321100               | 2019317821               | 2019325565               |
| 2019347545               | 2019326545               | 2019319213               | 2019330008               | 2019321569               | 2019331328               |
| 2019352028               | 2019331018               | 2019322287               | 2019389903               |                          | 2019333862               |
| 2019352309               | 2019334864               | 2019322781               |                          | <b><u>A61P 3 /-</u></b>  |                          |
| 2019362849               | 2019336940               | 2019323706               | <b><u>A61N 5 /-</u></b>  |                          | <b><u>A61P 43 /-</u></b> |
| 2019373199               | 2019337759               | 2019324742               |                          | 2019305336               |                          |
| 2020242723               | 2019339469               | 2019326314               | 2019324157               | 2019309329               | 2019305336               |
|                          | 2019340333               | 2019328316               | 2019325581               | 2019309342               | 2019306721               |
| <b><u>A61K 35 /-</u></b> | 2019340475               | 2019328411               |                          | 2019316654               | 2019309987               |
|                          | 2019340530               | 2019333048               | <b><u>A61P 1 /-</u></b>  | 2019321568               | 2019318543               |
| 2018433819               | 2019361280               | 2019336663               |                          | 2019325656               | 2019338221               |
| 2019306236               |                          |                          | 2019305336               | 2019329884               | 2019352309               |
| 2019306504               | <b><u>A61K 45 /-</u></b> | <b><u>A61L 2 /-</u></b>  | 2019308311               |                          | <b><u>A61P 7 /-</u></b>  |
| 2019308266               |                          |                          | 2019326539               | <b><u>A61P 31 /-</u></b> |                          |
| 2019310018               | 2018433819               | 2019336133               | 2019329884               |                          | 2019322287               |
| 2019317821               | 2019300031               |                          |                          | 2019266729               |                          |
| 2019318661               | 2019306236               | <b><u>A61L 26 /-</u></b> | <b><u>A61P 11 /-</u></b> | 2019304308               | <b><u>A61P 9 /-</u></b>  |
| 2019319674               | 2019306721               |                          |                          | 2019306721               |                          |
| 2019323839               | 2019309741               | 2019317364               | 2019335200               | 2019309520               | 2019309329               |
| 2019333048               | 2019328532               |                          | 2019336167               | 2019309741               | 2019312692               |
| 2019334864               | 2019329884               | <b><u>A61L 27 /-</u></b> | 2019339264               | 2019311840               | 2019318661               |
| 2019342877               | 2019352028               |                          | 2019362849               | 2019317821               | 2019321568               |
| 2019352309               | 2019352309               | 2019321779               | <b><u>A61P 15 /-</u></b> | 2019318115               | 2019328556               |
| 2020316429               | 2019373199               | 2019332978               |                          | 2019321375               | 2019334877               |
|                          |                          | 2019342877               | 2019309741               | 2019325693               | 2019347545               |
|                          |                          | 2019352309               | 2019363279               |                          |                          |
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| 2019304308               | 2019302604               | 2018445001               | 2018433819               | 2019304308               | 2019309497               |
| 2019305336               | 2019315593               |                          | 2019309497               | 2019304487               |                          |
| 2019309342               | 2019316103               | <b><u>A61M 11 /-</u></b> | 2019319213               |                          | <b><u>A61Q 19 /-</u></b> |
| 2019309497               | 2019316654               |                          | 2019323706               | <b><u>A61P 35 /-</u></b> |                          |
| 2019311840               | 2019320818               | 2019312036               | 2019325408               | 2019303080               | 2019309497               |
| 2019324742               | 2019325693               |                          | 2019328316               | 2019303081               | 2019325408               |
| 2019326314               | 2019326545               | <b><u>A61M 15 /-</u></b> | 2019342877               | 2019305637               | <b><u>A63B 19 /-</u></b> |
| <b><u>A61K 38 /-</u></b> | 2019328316               |                          |                          | 2019305663               |                          |
|                          | 2019328411               | 2019312036               | <b><u>A61P 19 /-</u></b> | 2019308266               | 2019303774               |
| 2019306236               | 2019328590               | 2019319953               |                          | 2019308311               | <b><u>A63B 21 /-</u></b> |
| 2019306504               |                          | <b><u>A61M 16 /-</u></b> | 2019305336               | 2019309987               |                          |
| 2019310018               | <b><u>A61K 48 /-</u></b> |                          |                          | 2019310855               | 2019314478               |
| 2019310448               |                          | 2019318103               | <b><u>A61P 21 /-</u></b> | 2019312565               |                          |
| 2019313339               | 2019310855               | 2019319953               |                          | 2019312904               | <b><u>A63B 24 /-</u></b> |
| 2019318543               | 2019319377               | 2019321762               | 2019312692               | 2019313199               |                          |
| 2019319377               | 2019326392               | 2019328112               |                          | 2019316254               | 2019311850               |
| 2019320803               | 2019328577               | <b><u>A61M 25 /-</u></b> | <b><u>A61P 25 /-</u></b> | 2019319377               |                          |
| 2019322781               |                          |                          |                          | 2019320818               | <b><u>A63B 35 /-</u></b> |
| 2019323839               | <b><u>A61K 49 /-</u></b> | 2018435750               | 2019275493               | 2019321569               |                          |
| 2019325693               |                          | 2019333169               | 2019300031               | 2019321677               | 2019322477               |
| 2019328316               | 2019309242               | 2019337090               | 2019306721               | 2019323790               |                          |
| 2019328532               | <b><u>A61K 51 /-</u></b> |                          | 2019306828               | 2019323839               | <b><u>A63B 69 /-</u></b> |
| 2019328573               |                          | <b><u>A61M 39 /-</u></b> | 2019308231               | 2019324521               |                          |
| 2019330367               | 2019309242               |                          | 2019308311               | 2019326448               | 2019311850               |
| 2019331903               | 2019338221               | 2019308251               | 2019309938               | 2019329884               |                          |
| 2019339264               | <b><u>A61K 6 /-</u></b>  | 2019321762               | 2019317821               | 2019331018               | <b><u>A63B 71 /-</u></b> |
| 2019362458               |                          | 2019337090               | 2019323764               | 2019331328               |                          |
| 2019363279               | 2019331468               |                          | 2019328532               |                          | 2019314478               |

PCT applications which have entered the National Phase - IPC Index cont'd

|  |  |  |  |                          |                          |
|--|--|--|--|--------------------------|--------------------------|
| <b><u>A63F 13 /-</u></b>   | 2019305092<br>2019311817<br>2019330998 | <b><u>B28C 5 /-</u></b>                              | <b><u>B33Y 10 /-</u></b>               | <b><u>B62K 1 /-</u></b>  | <b><u>B65B 3 /-</u></b>  |
| 2019327101   |  | 2019323687   | 2019319887<br>2019325191<br>2019326296 | 2019331101               | 2019304205               |
| <b><u>B01D 15 /-</u></b>   | <b><u>B01L 7 /-</u></b>                | <b><u>B28C 7 /-</u></b>                              |  | <b><u>B62K 11 /-</u></b> | <b><u>B65B 31 /-</u></b> |
| 2019325574   | 2019311817                             | 2019323687   | <b><u>B33Y 30 /-</u></b>               | 2019331101               | 2019304205               |
| <b><u>B01D 25 /-</u></b>   | <b><u>B02C 13 /-</u></b>               | <b><u>B28C 9 /-</u></b>                              | 2019325191                             | <b><u>B62K 5 /-</u></b>  | <b><u>B65B 51 /-</u></b> |
| 2019292919   | 2019301603                             | 2019323687   | <b><u>B33Y 40 /-</u></b>               | 2019306536               | 2019309263               |
| <b><u>B01D 3 /-</u></b>  | <b><u>B03C 1 /-</u></b>                | <b><u>B29B 15 /-</u></b>                             | 2019326296                             | <b><u>B63B 1 /-</u></b>  | <b><u>B65B 55 /-</u></b> |
| 2019348162<br>2019373095   | 2019314765                             | 2019324921   | <b><u>B33Y 70 /-</u></b>               | 2019318096               | 2019304205               |
| <b><u>B01D 46 /-</u></b>   | <b><u>B03D 1 /-</u></b>                | <b><u>B29C 41 /-</u></b>                             | 2019331468                             | <b><u>B63B 17 /-</u></b> | <b><u>B65B 59 /-</u></b> |
| 2019368954   | 2019314765                             | 2019321022   | <b><u>B33Y 99 /-</u></b>               | 2019337365               | 2019304205               |
| <b><u>B01D 53 /-</u></b>   | <b><u>B05B 17 /-</u></b>               | <b><u>B29C 43 /-</u></b>                             | 2019325191                             | <b><u>B63B 35 /-</u></b> | <b><u>B65B 7 /-</u></b>  |
| 2019325574<br>2019330474<br>2019352834<br>2019356719<br>2019356720<br>2019356722<br>2019358744<br>2019358745<br>2019368954 | 2019312036                             | 2019318216   | <b><u>B60B 11 /-</u></b>               | 2019318096<br>2019337365 | 2019304205               |
|  | <b><u>B08B 1 /-</u></b>                | <b><u>B29C 44 /-</u></b>                             | 2018447005                             | <b><u>B63B 43 /-</u></b> | <b><u>B65D 25 /-</u></b> |
|  | 2019331363                             | 2019319425   | <b><u>B60B 3 /-</u></b>                | 2019312107               | 2019326476               |
|  | <b><u>B08B 3 /-</u></b>                | <b><u>B29C 49 /-</u></b>                             | 2018447005                             | <b><u>B63B 5 /-</u></b>  | <b><u>B65D 65 /-</u></b> |
|  | 2019317820                             | 2019378072   | <b><u>B60D 1 /-</u></b>                | 2019318096               | 2020324701               |
|  | <b><u>B09B 3 /-</u></b>                | <b><u>B29C 53 /-</u></b>                             | 2019304072                             | <b><u>B63C 11 /-</u></b> | <b><u>B65D 71 /-</u></b> |
| <b><u>B01D 61 /-</u></b>   | 2019323291                             | 2019314571<br>2019321571                             | <b><u>B60K 1 /-</u></b>                | 2019322477               | 2019321571               |
| 2019292919<br>2019325562   | <b><u>B21D 5 /-</u></b>                | <b><u>B29C 61 /-</u></b>                             | 2019336768                             | <b><u>B63G 8 /-</u></b>  | <b><u>B65D 81 /-</u></b> |
|  | 2019314571                             | 2019321571   | <b><u>B60L 50 /-</u></b>               | 2019337365               | 2019330474               |
| <b><u>B01F 13 /-</u></b>   | <b><u>B22F 1 /-</u></b>                | <b><u>B29C 64 /-</u></b>                             | 2019336768                             | <b><u>B63H 21 /-</u></b> | <b><u>B65D 83 /-</u></b> |
| 2019321552   | 2019319887                             | 2019319887<br>2019321022<br>2019325191<br>2019326296 | <b><u>B60L 55 /-</u></b>               | 2019368954               | 2019304205<br>2019327412 |
| <b><u>B01F 15 /-</u></b>   | <b><u>B22F 5 /-</u></b>                | <b><u>B29C 67 /-</u></b>                             | 2019308533                             | <b><u>B64C 27 /-</u></b> | <b><u>B65D 85 /-</u></b> |
| 2019323687   | 2019319887                             | 2019336768   | <b><u>B60L 58 /-</u></b>               | 2019318460               | 2019309263               |
| <b><u>B01F 3 /-</u></b>  | <b><u>B22F 7 /-</u></b>                | 2019314571   | <b><u>B60L 7 /-</u></b>                | <b><u>B64C 30 /-</u></b> | <b><u>B65D 88 /-</u></b> |
| 2019323687<br>2019338717   | 2019319887                             | <b><u>B29C 69 /-</u></b>                             | 2019336768                             | 2019338119               | 2019330474               |
| <b><u>B01F 5 /-</u></b>  | <b><u>B23K 10 /-</u></b>               | <b><u>B29D 1 /-</u></b>                              | 2019336768                             | <b><u>B64C 39 /-</u></b> | <b><u>B65G 1 /-</u></b>  |
| 2019338717   | 2019325191                             | 2019321571   | <b><u>B60R 9 /-</u></b>                | 2019318460<br>2019329639 | 2019318657               |
| <b><u>B01J 19 /-</u></b>   | <b><u>B23K 26 /-</u></b>               | <b><u>B29D 99 /-</u></b>                             | 2019322255                             | <b><u>B64D 27 /-</u></b> | <b><u>B66B 1 /-</u></b>  |
| 2019320452   | 2019325191                             | 2019321571   | <b><u>B60W 30 /-</u></b>               | 2019338119               | 2019348253               |
| <b><u>B01J 35 /-</u></b>   | <b><u>B23K 9 /-</u></b>                | <b><u>B29K 101 /-</u></b>                            | 2019321518<br>2019337091               | <b><u>B64D 33 /-</u></b> | <b><u>B66B 19 /-</u></b> |
| 2019368954   | 2019325191                             | 2019324921   | <b><u>B60W 40 /-</u></b>               | 2019338119               | 2019345881               |
| <b><u>B01J 4 /-</u></b>  | <b><u>B25B 27 /-</u></b>               | <b><u>B32B 27 /-</u></b>                             | 2019321518<br>2019325161<br>2019337091 | <b><u>B64G 1 /-</u></b>  | <b><u>B67D 1 /-</u></b>  |
| 2019320452   | 2019339784                             | 2020324701   | <b><u>B60W 50 /-</u></b>               | 2019338119               | 2019341748               |
| <b><u>B01J 8 /-</u></b>  | <b><u>B25F 5 /-</u></b>                | <b><u>B32B 9 /-</u></b>                              | 2019325161<br>2019337091               | <b><u>B65B 29 /-</u></b> | <b><u>B81C 1 /-</u></b>  |
| 2019373278   | 2019324549                             | 2019318216   |  | 2019309263               | 2019330998               |
| <b><u>B01L 3 /-</u></b>  | <b><u>B28B 1 /-</u></b>                |  |  |                          | <b><u>B82Y 40 /-</u></b> |
| 2019304205   | 2019319425                             |  |  |                          | 2019322287               |

PCT applications which have entered the National Phase - IPC Index cont'd

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b><u>B82Y 5 /-</u></b>                              | <b><u>C07C 39 /-</u></b>                             | 2019308311<br>2019328556<br>2019335516<br>2019337640   | <b><u>C07D 519 /-</u></b>  | <b><u>C07K 19 /-</u></b>               | <b><u>C08L 63 /-</u></b>               |
| 2019322287   | 2019318205<br>2019324742<br>2019326314               |  | 2019309987<br>2019335200<br>2019335516   | 2019333173<br>2019339469<br>2020316429 | 2018437759                             |
| <b><u>C01B 13 /-</u></b>                             | <b><u>C07C 63 /-</u></b>                             | <b><u>C07D 403 /-</u></b>  | <b><u>C07F 15 /-</u></b>   |  | <b><u>C08L 9 /-</u></b>                |
| 2018445001   | 2019304278   | 2019266729<br>2019318543<br>2019325656<br>2019328556<br>2019335199   | 2019329235   | 2019335516                             | 2019321966                             |
| <b><u>C02F 1 /-</u></b>                              | <b><u>C07D 207 /-</u></b>                            |  | <b><u>C07H 1 /-</u></b>  |  | <b><u>C08L 95 /-</u></b>               |
| 2018445001<br>2019306115<br>2019317820<br>2019325562 | 2019310118<br>2019329235                             | <b><u>C07D 405 /-</u></b>  | 2019310704   | <b><u>C07K 7 /-</u></b>                | 2019321966                             |
| <b><u>C02F 103 /-</u></b>                            | <b><u>C07D 209 /-</u></b>                            | 2019328556<br>2019340675   | <b><u>C07H 19 /-</u></b>   | 2019338221<br>2019339264               | <b><u>C09D 11 /-</u></b>               |
| 2019325562   | 2019325408<br>2019340675                             | <b><u>C07D 407 /-</u></b>  | 2019310704   | <b><u>C08B 37 /-</u></b>               | 2019334109                             |
| <b><u>C03C 17 /-</u></b>                             | <b><u>C07D 211 /-</u></b>                            | 2019340675   | <b><u>C07H 21 /-</u></b>   | 2019321182                             | <b><u>C09D 133 /-</u></b>              |
| 2019304221<br>2019311836                             | 2019310118   | <b><u>C07D 409 /-</u></b>  | 2019328577   | <b><u>C08F 2 /-</u></b>                | 2019303885<br>2019336687               |
| <b><u>C04B 18 /-</u></b>                             | <b><u>C07D 213 /-</u></b>                            | 2019328556   | <b><u>C07J 43 /-</u></b>   | 2019321770                             | <b><u>C09D 191 /-</u></b>              |
| 2019324581   | 2019308311<br>2019334877<br>2019341653               | <b><u>C07D 413 /-</u></b>  | 2019308311   | <b><u>C08F 20 /-</u></b>               | 2019332978                             |
| <b><u>C04B 22 /-</u></b>                             | <b><u>C07D 233 /-</u></b>                            | 2019328556   | <b><u>C07J 9 /-</u></b>  | 2019304450                             | <b><u>C09D 5 /-</u></b>                |
| 2019324581   | 2019340675<br>2019347545                             | <b><u>C07D 417 /-</u></b>  | 2019308940   | <b><u>C08F 220 /-</u></b>              | 2019321770<br>2019330129<br>2019400473 |
| <b><u>C04B 28 /-</u></b>                             | <b><u>C07D 235 /-</u></b>                            | 2019266729<br>2019328556<br>2019331328   | <b><u>C07K 14 /-</u></b>   | 2019303885<br>2019321966               | <b><u>C09J 163 /-</u></b>              |
| 2019324581   | 2019342102   | <b><u>C07D 451 /-</u></b>  | 2019306504<br>2019313339<br>2019317353<br>2019319674<br>2019328573<br>2019330367<br>2019331903<br>2019333173<br>2019334864<br>2019338520<br>2019362458<br>2020316429   | 2019304135<br>2019321966               | <b><u>C09J 175 /-</u></b>              |
| <b><u>C05C 11 /-</u></b>                             | <b><u>C07D 239 /-</u></b>                            | 2019309987   | <b><u>C07K 16 /-</u></b>   | <b><u>C08G 59 /-</u></b>               | 2019304135<br>2020324701               |
| 2019329235   | 2019266729<br>2019337640                             | <b><u>C07D 471 /-</u></b>  | 2019303080<br>2019303081<br>2019305637<br>2019305663<br>2019310597<br>2019310855<br>2019312565<br>2019312692<br>2019312801<br>2019314538<br>2019319970<br>2019320803<br>2019321569<br>2019323790<br>2019325565<br>2019326545<br>2019331018<br>2019333862<br>2019334864<br>2019337759<br>2019339469<br>2019339895<br>2019340333<br>2019340475<br>2019340530<br>2019340647<br>2020286285 | 2018437759                             | <b><u>C09K 11 /-</u></b>               |
| <b><u>C05D 9 /-</u></b>                              | <b><u>C07D 241 /-</u></b>                            | 2019304487<br>2019310889<br>2019313199<br>2019318115<br>2019322863<br>2019324521<br>2019327475<br>2019328556<br>2019335199<br>2019335200<br>2019335516<br>2019336167<br>2019340675<br>2019362849<br>2020242723 | <b><u>C07K 9 /-</u></b>  | <b><u>C08H 8 /-</u></b>                | 2019304018<br>2019334109               |
| 2019329235   | 2019328556   | <b><u>C07D 241 /-</u></b>  | 2019321182   | <b><u>C08J 9 /-</u></b>                | <b><u>C09K 3 /-</u></b>                |
| <b><u>C05F 11 /-</u></b>                             | <b><u>C07D 241 /-</u></b>                            | 2019328556   | <b><u>C08J 9 /-</u></b>  | 2019312797                             | 2019333309                             |
| 2019329235   | <b><u>C07D 295 /-</u></b>                            | 2019310118   | <b><u>C08K 3 /-</u></b>  | 2019321966                             | <b><u>C09K 5 /-</u></b>                |
| <b><u>C07C 229 /-</u></b>                            | <b><u>C07D 307 /-</u></b>                            | 2019310118   | 2019321966   |  | 2019333309<br>2019364624               |
| 2019317095   | 2019340675   | <b><u>C07D 311 /-</u></b>  | <b><u>C08K 5 /-</u></b>  | 2019321966                             | <b><u>C09K 8 /-</u></b>                |
| <b><u>C07C 243 /-</u></b>                            | <b><u>C07D 311 /-</u></b>                            | 2019304278<br>2019318205<br>2019324742<br>2019326314   | <b><u>C08L 23 /-</u></b>   | 2019321966<br>2019378072               | 2018450648<br>2019333123               |
| 2019336687   | 2019304278<br>2019318205<br>2019324742<br>2019326314 | <b><u>C07D 487 /-</u></b>  | 2019321966<br>2019378072   | <b><u>C08L 25 /-</u></b>               | <b><u>C10B 47 /-</u></b>               |
| <b><u>C07C 253 /-</u></b>                            | <b><u>C07D 317 /-</u></b>                            | 2019309987<br>2019325408<br>2019328556<br>2019331328   | <b><u>C08L 25 /-</u></b>   | 2019321966                             | 2019331776                             |
| 2019304450   | 2019326314<br>2019340675                             | <b><u>C07D 491 /-</u></b>  | 2019321966   | <b><u>C08L 53 /-</u></b>               | <b><u>C10B 53 /-</u></b>               |
| <b><u>C07C 255 /-</u></b>                            | <b><u>C07D 317 /-</u></b>                            | 2019328556   | 2019321966   | 2019321966                             | 2019331776                             |
| 2019303885<br>2019304450                             | 2019326314<br>2019340675                             | <b><u>C07D 513 /-</u></b>  | <b><u>C08L 61 /-</u></b>   |  | <b><u>C10L 3 /-</u></b>                |
| <b><u>C07C 271 /-</u></b>                            | <b><u>C07D 333 /-</u></b>                            | 2019328556   | 2019312797   |  | 2019325574                             |
| 2019317095   | 2019321677   | <b><u>C07D 513 /-</u></b>  |  |  | <b><u>C10L 5 /-</u></b>                |
| <b><u>C07C 37 /-</u></b>                             | <b><u>C07D 401 /-</u></b>                            | 2019340675   |  |  | 2019331776                             |
| 2019318205   | 2019275493   |  |  |  |  |

PCT applications which have entered the National Phase - IPC Index cont'd

|                          |                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b><u>C11B 9 /-</u></b>  | <b><u>C12N 7 /-</u></b>  | <b><u>E02D 27 /-</u></b> | <b><u>E05B 41 /-</u></b> | <b><u>F02K 9 /-</u></b>  | <b><u>F16L 11 /-</u></b> |
| 2019373095               | 2019308266               | 2019318096               | 2019281012               | 2019325620               | 2019331384               |
| <b><u>C11D 17 /-</u></b> | 2019311320               |                          | <b><u>E05B 49 /-</u></b> | <b><u>F02P 3 /-</u></b>  | <b><u>F16L 25 /-</u></b> |
|                          | 2019336940               | <b><u>E02F 3 /-</u></b>  | 2019329178               | 2019330472               | 2019339784               |
| 2019340443               | <b><u>C12N 9 /-</u></b>  | 2019322200               | <b><u>E05B 57 /-</u></b> | <b><u>F03D 3 /-</u></b>  | <b><u>F16L 33 /-</u></b> |
| <b><u>C11D 3 /-</u></b>  | 2019301226               | 2019335037               | 2019316500               | 2019380766               | 2019331384               |
|                          | 2019319377               | <b><u>E02F 7 /-</u></b>  |                          |                          | 2019339784               |
| 2019340443               | 2019321983               | 2019322200               | <b><u>E05B 63 /-</u></b> | <b><u>F03D 9 /-</u></b>  | <b><u>F16L 57 /-</u></b> |
| <b><u>C12G 3 /-</u></b>  | 2019326408               |                          | 2019324324               | 2019380766               |                          |
|                          | 2019327449               | <b><u>E02F 9 /-</u></b>  |                          |                          | 2019331384               |
| 2019321663               | <b><u>C12P 19 /-</u></b> | 2019335037               | <b><u>E05B 9 /-</u></b>  | <b><u>F04B 1 /-</u></b>  | <b><u>F16L 59 /-</u></b> |
| 2019324742               | 2019321182               | <b><u>E03B 3 /-</u></b>  | 2019281012               | 2019308251               |                          |
| 2019326314               | 2019328573               | 2019310356               | <b><u>E06B 3 /-</u></b>  | <b><u>F04B 49 /-</u></b> | 2019331384               |
| <b><u>C12H 1 /-</u></b>  | <b><u>C12P 21 /-</u></b> | <b><u>E03B 9 /-</u></b>  | 2019327192               | 2019325581               | 2019331384               |
|                          | 2019319970               | 2019341748               | <b><u>E21B 10 /-</u></b> | <b><u>F04B 53 /-</u></b> | 2019331384               |
| 2019321663               | 2019311320               | <b><u>E04B 1 /-</u></b>  | 2019328385               | 2019308251               | <b><u>F16M 11 /-</u></b> |
| <b><u>C12M 1 /-</u></b>  | 2019319970               | 2019319425               | <b><u>E21B 17 /-</u></b> | <b><u>F04B 7 /-</u></b>  | 2019315350               |
|                          | 2019328573               | 2019321869               | 2018455892               | 2019308251               | 2019349895               |
| 2019305092               | 2019339469               | 2019341613               | 2019300942               | <b><u>F04D 1 /-</u></b>  | <b><u>F16M 13 /-</u></b> |
| <b><u>C12M 3 /-</u></b>  | <b><u>C12Q 1 /-</u></b>  | <b><u>E04B 7 /-</u></b>  | <b><u>E21B 23 /-</u></b> | 2019314482               | 2019315350               |
|                          | 2019300987               | 2020262609               | 2018452012               | <b><u>F04D 17 /-</u></b> | <b><u>F16N 29 /-</u></b> |
| 2019305092               | 2019301226               | <b><u>E04C 2 /-</u></b>  | 2019315336               | 2019314482               | 2019325190               |
| 2019352309               | 2019302917               | 2019321869               | <b><u>E21B 29 /-</u></b> | 2019314482               | <b><u>F16N 7 /-</u></b>  |
| <b><u>C12N 1 /-</u></b>  | 2019308792               | <b><u>E04C 3 /-</u></b>  | 2019322077               | <b><u>F04D 29 /-</u></b> | 2019325190               |
|                          | 2019314449               | 2019300932               | 2019322312               | 2019314482               | <b><u>F21K 9 /-</u></b>  |
| 2019352309               | 2019315760               | 2019423616               | <b><u>E21B 34 /-</u></b> | <b><u>F04D 7 /-</u></b>  | 2019314571               |
| <b><u>C12N 15 /-</u></b> | 2019317990               | <b><u>E04G 21 /-</u></b> | 2018452012               | 2019314482               | <b><u>F21L 4 /-</u></b>  |
|                          | 2019319203               | <b><u>E04H 1 /-</u></b>  | 2019315336               | <b><u>F16B 21 /-</u></b> | 2019314571               |
| 2019302604               | 2019321552               | 2019319425               | 2019322805               | 2019318460               | <b><u>F21S 2 /-</u></b>  |
| 2019306504               | 2019330042               | <b><u>E04H 12 /-</u></b> | <b><u>E21B 37 /-</u></b> | <b><u>F16B 23 /-</u></b> | 2019314571               |
| 2019310448               | 2019338520               | 2019423616               | 2018451727               | 2019346445               | <b><u>F21S 41 /-</u></b> |
| 2019310855               | 2019341653               | <b><u>E04H 17 /-</u></b> | <b><u>E21B 41 /-</u></b> | <b><u>F16B 25 /-</u></b> | 2019314571               |
| 2019311320               | <b><u>C12R 1 /-</u></b>  | 2019300932               | <b><u>E21B 43 /-</u></b> | 2019346445               | <b><u>F21S 6 /-</u></b>  |
| 2019313339               | 2019309426               | 2019423616               | 2019300942               | <b><u>F16B 35 /-</u></b> | 2019314571               |
| 2019314538               | <b><u>C23F 11 /-</u></b> | <b><u>E04H 4 /-</u></b>  | <b><u>E21B 44 /-</u></b> | 2019346445               | <b><u>F21V 21 /-</u></b> |
| 2019316103               | 2019333123               | 2019317820               | 2019300942               | <b><u>F16B 7 /-</u></b>  | 2019423616               |
| 2019317095               | <b><u>C25B 1 /-</u></b>  | 2019349957               | <b><u>E21B 47 /-</u></b> | 2019349895               | <b><u>F23D 14 /-</u></b> |
| 2019319377               | 2019305103               | <b><u>E05B 13 /-</u></b> | 2018455892               | <b><u>F16D 65 /-</u></b> | 2019330472               |
| 2019320803               | 2019305103               | 2019300932               | 2019300942               | 2019320616               | <b><u>F23D 23 /-</u></b> |
| 2019321375               | <b><u>C25B 11 /-</u></b> | 2019300932               | <b><u>F01N 3 /-</u></b>  | <b><u>F16K 11 /-</u></b> | 2019322391               |
| 2019321983               | 2019305103               | 2019317820               | 2019315103               | 2019308251               |                          |
| 2019326392               | <b><u>C25B 15 /-</u></b> | 2019349957               | 2019368954               |                          |                          |
| 2019326408               | 2019305103               | <b><u>E05B 17 /-</u></b> |                          |                          |                          |
| 2019327449               | <b><u>C25B 9 /-</u></b>  | 2019316500               |                          |                          |                          |
| 2019328573               | 2019305103               | 2019324324               |                          |                          |                          |
| 2019328577               | <b><u>D01F 1 /-</u></b>  | 2019324324               |                          |                          |                          |
| 2019337392               | 2019326520               | <b><u>E05B 17 /-</u></b> |                          |                          |                          |
| 2019338520               | <b><u>D06P 1 /-</u></b>  | 2019281012               |                          |                          |                          |
| 2019339469               | 2019326520               | 2019316500               |                          |                          |                          |
| 2019362458               | <b><u>E01B 31 /-</u></b> | 2019316500               |                          |                          |                          |
| <b><u>C12N 5 /-</u></b>  | 2019305103               | 2019316500               |                          |                          |                          |
|                          | 2019305103               | 2019316500               |                          |                          |                          |
| 2019306504               | <b><u>D01F 1 /-</u></b>  | 2019316500               |                          |                          |                          |
| 2019310855               | 2019326520               | 2019316500               |                          |                          |                          |
| 2019317696               | <b><u>D06P 1 /-</u></b>  | 2019316500               |                          |                          |                          |
| 2019320803               | 2019326520               | 2019316500               |                          |                          |                          |
| 2019323839               | <b><u>E01B 31 /-</u></b> | 2019316500               |                          |                          |                          |
| 2019328573               | 2019326520               | 2019316500               |                          |                          |                          |
| 2019329984               |                          | 2019316500               |                          |                          |                          |
| 2019340333               |                          | 2019316500               |                          |                          |                          |
| 2019342877               |                          | 2019316500               |                          |                          |                          |
| 2019352309               |                          | 2019316500               |                          |                          |                          |
| 2020316429               |                          | 2019316500               |                          |                          |                          |
|                          | 2019326848               |                          |                          |                          |                          |



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|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>F23J 11 /-</b> | <b>G01C 11 /-</b> | 2019322895        |                   | 2019329852        | <b>G09B 23 /-</b> |
| 2019322391        | 2019344408        | 2019336484        | <b>G06F 11 /-</b> | 2019331381        | 2019332978        |
|                   |                   | 2019338183        | 2019316649        | 2020297527        |                   |
| <b>F23L 3 /-</b>  | <b>G01C 9 /-</b>  | <b>G01N 5 /-</b>  |                   | <b>G06Q 20 /-</b> | <b>G09B 5 /-</b>  |
| 2019322391        | 2019366249        | 2018437833        | <b>G06F 13 /-</b> | 2019302558        | 2020297527        |
|                   |                   |                   | 2018433605        | 2019305079        |                   |
| <b>F23N 1 /-</b>  | <b>G01D 1 /-</b>  | <b>G01N 9 /-</b>  | 2019333230        | 2019354650        | <b>G09B 7 /-</b>  |
| 2019331398        | 2019315336        | 2019313201        | <b>G06F 16 /-</b> | 2019354960        | 2019316649        |
|                   |                   |                   | 2019313477        | <b>G06Q 30 /-</b> | <b>G09C 1 /-</b>  |
| <b>F24F 11 /-</b> | <b>G01F 1 /-</b>  | <b>G01P 5 /-</b>  | 2019316649        | 2019304235        | 2019322590        |
| 2019347155        | 2019394685        | 2019334109        | 2019325151        | 2019321690        | 2019322591        |
|                   |                   |                   | 2019333253        | 2019333337        |                   |
| <b>F24F 13 /-</b> | <b>G01G 23 /-</b> | <b>G01R 31 /-</b> | 2019336267        | 2019336267        | <b>G09F 27 /-</b> |
| 2019323857        | 2019344335        | 2020216260        | <b>G06F 17 /-</b> | <b>G06Q 40 /-</b> | 2019315350        |
| 2019326098        |                   |                   | 2019321519        | 2019304235        |                   |
| <b>F24S 25 /-</b> | <b>G01H 1 /-</b>  | <b>G01S 1 /-</b>  | 2019338183        | 2019311115        | <b>G09F 9 /-</b>  |
| 2019330733        | 2019324549        | 2019351665        | <b>G06F 21 /-</b> | 2019321690        | 2019315350        |
|                   | <b>G01J 3 /-</b>  | <b>G01S 19 /-</b> | 2019319767        | <b>G06Q 50 /-</b> | <b>G09G 3 /-</b>  |
| <b>F24S 30 /-</b> | 2019302563        | 2019351665        | 2019337086        | 2019313477        | 2019275624        |
| 2019330733        | <b>G01K 11 /-</b> | <b>G01S 5 /-</b>  | 2019337773        | 2019329786        |                   |
| <b>F25B 41 /-</b> | 2019334109        | 2019390976        | 2019340705        | 2019331381        | <b>G10L 19 /-</b> |
| 2019325888        | <b>G01K 13 /-</b> | <b>G01V 11 /-</b> | 2019354650        | 2019333337        | 2019337086        |
|                   | 2019334109        | 2019367605        | 2019430941        | <b>G06T 1 /-</b>  | <b>G11B 27 /-</b> |
| <b>F25B 45 /-</b> | <b>G01N 1 /-</b>  | <b>G01V 99 /-</b> | 2018433605        | 2019430941        | 2019333044        |
| 2019333309        | 2019304205        | 2019367605        | 2019308100        | <b>G06T 19 /-</b> | <b>G16B 20 /-</b> |
| <b>F25B 5 /-</b>  | <b>G01N 15 /-</b> | <b>G02B 27 /-</b> | 2019333337        | 2019308100        | 2019335401        |
| 2019325888        | 2019325113        | 2019346670        | 2019347704        | <b>G06T 3 /-</b>  | <b>G16H 10 /-</b> |
| <b>F25C 5 /-</b>  | <b>G01N 21 /-</b> | <b>G02B 3 /-</b>  | <b>G06F 7 /-</b>  | 2019311751        | 2019329852        |
| 2019338513        | 2019302563        | 2019304862        | 2019301838        | <b>G06T 7 /-</b>  | <b>G16H 20 /-</b> |
| <b>F25D 11 /-</b> | 2019304018        |                   | <b>G06F 8 /-</b>  | 2019308228        | 2019329852        |
| 2019341748        | 2019310186        | <b>G02B 6 /-</b>  | 2019321589        | 2019311751        |                   |
| 2020327341        | 2019317820        | 2019337773        | 2019308228        | 2019311751        | <b>G16H 50 /-</b> |
| <b>F25D 23 /-</b> | 2019330042        | 2020298459        | 2019337773        | 2019326047        | 2019326372        |
| 2020327341        | 2019336484        | 2019312743        | <b>G06F 9 /-</b>  | 2019326372        | 2019331078        |
|                   | <b>G01N 23 /-</b> | <b>G02C 7 /-</b>  | 2019308100        | 2019331078        | 2019333044        |
| <b>F25J 1 /-</b>  | 2019313201        | 2019326391        | 2019327101        | 2019344408        | 2019305055        |
| 2019322808        | <b>G01N 25 /-</b> | <b>G05B 15 /-</b> | 2019333253        | <b>G07C 9 /-</b>  | <b>G21G 1 /-</b>  |
|                   | 2018437833        | 2019304871        | <b>G06K 9 /-</b>  | 2019358373        | 2019325581        |
| <b>F28C 1 /-</b>  | <b>G01N 27 /-</b> | <b>G05B 23 /-</b> | 2015348151        | <b>G07D 11 /-</b> | <b>G21G 4 /-</b>  |
| 2019325888        | 2019316649        | 2019315506        | 2019308228        | 2019311693        | 2019325581        |
|                   | 2019316714        | 2019316649        | 2019315506        | <b>G07F 19 /-</b> | <b>H01F 29 /-</b> |
| <b>F28D 20 /-</b> | 2019340647        | <b>G05D 1 /-</b>  | 2019320080        | 2019311693        | 2019323550        |
| 2019309438        | <b>G01N 31 /-</b> | 2018438158        | 2019325322        | <b>G07F 7 /-</b>  | <b>H01H 1 /-</b>  |
|                   | 2019336484        | <b>G05F 1 /-</b>  | 2019333044        | 2019354650        | 2020216260        |
| <b>F42B 10 /-</b> | <b>G01N 33 /-</b> | 2019323550        | 2019337091        | <b>G09B 15 /-</b> | <b>H01H 9 /-</b>  |
| 2019351665        | 2019304018        | <b>G06F 1 /-</b>  | 2019344408        | 2020297527        | 2019323550        |
| <b>G01B 11 /-</b> | 2019310186        |                   | <b>G06N 20 /-</b> |                   | <b>H01J 49 /-</b> |
| 2019326066        | 2019313201        | 2019337365        | 2019337091        |                   | 2019320555        |
|                   | 2019321429        | 2019347704        | <b>G06Q 10 /-</b> |                   |                   |
|                   |                   |                   | 2019311115        |                   |                   |

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| 2019338183               | <b><u>H02M 5 /-</u></b>  | <b><u>H04L 9 /-</u></b>  | <b><u>H04W 36 /-</u></b> |
| <b><u>H01M 10 /-</u></b> | 2019323550               | 2019329412               | 2018432438               |
| 2019298994               | <b><u>H02P 23 /-</u></b> | <b><u>H04M 1 /-</u></b>  | 2018442251               |
| <b><u>H01M 50 /-</u></b> | 2019326304               | 2019305141               | 2019316896               |
| 2019314285               | <b><u>H02P 25 /-</u></b> | <b><u>H04M 3 /-</u></b>  | <b><u>H04W 4 /-</u></b>  |
| 2019315371               | 2019326304               | 2019326450               | 2019347704               |
| <b><u>H01M 6 /-</u></b>  | <b><u>H02P 6 /-</u></b>  | <b><u>H04M 9 /-</u></b>  | <b><u>H04W 48 /-</u></b> |
| 2018436515               | 2019326304               | 2019329178               | 2018432438               |
| <b><u>H01M 8 /-</u></b>  | <b><u>H02P 9 /-</u></b>  | <b><u>H04N 13 /-</u></b> | <b><u>H04W 52 /-</u></b> |
| 2019329639               | 2019380766               | 2019346670               | 2019321640               |
| <b><u>H01Q 1 /-</u></b>  | <b><u>H02S 20 /-</u></b> | <b><u>H04N 19 /-</u></b> | <b><u>H04W 56 /-</u></b> |
| 2019323153               | 2019330733               | 2018435559               | 2018432389               |
| <b><u>H01Q 15 /-</u></b> | <b><u>H03G 3 /-</u></b>  | 2018436324               | 2019319462               |
| 2019323153               | 2019321519               | 2019301656               | <b><u>H04W 72 /-</u></b> |
| <b><u>H01Q 17 /-</u></b> | <b><u>H04B 1 /-</u></b>  | 2019315029               | 2018434236               |
| 2019323153               | 2018437328               | 2019320321               | 2018436323               |
| <b><u>H01Q 21 /-</u></b> | 2019305141               | 2019338456               | 2018436718               |
| 2019330623               | <b><u>H04B 3 /-</u></b>  | <b><u>H04N 21 /-</u></b> | 2018437157               |
| <b><u>H01Q 3 /-</u></b>  | 2019321519               | 2018436153               | 2019303683               |
| 2019330623               | <b><u>H04B 7 /-</u></b>  | 2019337086               | 2019308948               |
| <b><u>H01R 13 /-</u></b> | 2018433605               | <b><u>H04N 5 /-</u></b>  | <b><u>H04W 74 /-</u></b> |
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| 2019415578               | <b><u>H04L 1 /-</u></b>  | 2019333044               | <b><u>H04W 84 /-</u></b> |
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| <b><u>H02B 1 /-</u></b>  | 2019337773               | 2019301838               | 2018433607               |
| 2019308280               | 2019340705               | <b><u>H04Q 9 /-</u></b>  | 2018437328               |
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| <b><u>H02J 3 /-</u></b>  | <b><u>H04L 27 /-</u></b> | 2019335219               | <b><u>H05K 7 /-</u></b>  |
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| 2019323550               | 2018437328               | <b><u>H04R 25 /-</u></b> | 2019337365               |
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| <b><u>H02J 9 /-</u></b>  | 2019301838               | <b><u>H04R 5 /-</u></b>  |                          |
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| 2019343654               | 2019338302               | 2019329412               |                          |
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     A61K 39/00 ( 2006.01 )  
     A61K 48/00 ( 2006.01 )  
     C07K 7/08 ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.

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**(54)** Order information determining method and apparatus  
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**G06Q 30/06** ( 2012.01 )  
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**G06F 21/53** ( 2013.01 )  
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**(54)** Insecticidal genes and methods of use  
**(51)** Int. Cl.  
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**C12N 15/82** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.  
**F25J 1/00** ( 2006.01 )  
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**C10L 3/10** ( 2006.01 )  
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**(54)** An air conditioning device for a driving cabin, in particular of a railway vehicle  
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**B60H 1/00** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(51)** Int. Cl.  
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**B60L 5/42** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
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**G01N 33/50** ( 2006.01 )  
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**(54)** Ophthalmic range finding  
**(51)** Int. Cl.  
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**C10G 1/08** ( 2006.01 )  
**C10G 1/10** ( 2006.01 )  
**C10G 3/00** ( 2006.01 )  
**C10G 45/02** ( 2006.01 )  
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**A61B 18/04** ( 2006.01 )  
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**A61B 18/14** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
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*F21S 8/02* ( 2006.01 )  
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*H04M 1/60* ( 2006.01 )  
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*A61P 29/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61P 13/12* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*A61P 35/04* ( 2006.01 )  
*C07C 323/58* ( 2006.01 )  
*C07F 9/30* ( 2006.01 )  
*C07K 5/083* ( 2006.01 )  
*C07K 7/06* ( 2006.01 )  
*C07K 7/08* ( 2006.01 )  
*C12N 9/64* ( 2006.01 )  
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     **A63G 31/00** ( 2006.01 )  
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     **A63F 13/50** ( 2014.01 )  
     **A63F 13/26** ( 2014.01 )  
     **A63F 13/54** ( 2014.01 )  
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     **A62C 2/12** ( 2006.01 )  
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 (51) Int. Cl.  
     **C08J 9/28** ( 2006.01 )  
     **A61L 15/28** ( 2006.01 )  
     **A61L 24/00** ( 2006.01 )  
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     **A61L 27/20** ( 2006.01 )  
     **A61L 27/52** ( 2006.01 )

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**A61L 31/04** ( 2006.01 )  
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 (51) Int. Cl.  
     **C12M 1/00** ( 2006.01 )  
     **C12M 3/00** ( 2006.01 )  
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 (74) Catalyst Intellectual Property

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 (54) A COUPLING DEVICE

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*A61M 21/00* ( 2006.01 )  
*H04R 25/00* ( 2006.01 )

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**A61P 13/12** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
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 (21) 2017229370 (22) 07.03.2017  
 (54) Multiplexed immunohistochemistry using recombinant antibodies with epitope tags  
 (51) Int. Cl.  
     **C07K 16/18** ( 2006.01 )  
     **C07K 16/28** ( 2006.01 )  
     **C07K 16/32** ( 2006.01 )  
     **G01N 33/50** ( 2006.01 )  
 (87) WO2017/155996  
 (31) 62/461,651 (32) 21.02.17 (33) US  
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     62/305,440 08.03.16 US  
 (43) 14.09.2017  
 (44) 11.03.2021  
 (72) Farrell, Michael; May, Eric; Tang, Lei; Zhang, Wenjun; Hubbard, Antony; Tsao, Tsu-Shuen  
 (74) Spruson & Ferguson

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(71) Ventana Medical Systems, Inc.  
 (11) AU-B-2019275592  
 (21) 2019275592 (22) 04.12.2019  
 (54) Assembly for storing and transporting tissue samples immersed in a fluid  
 (51) Int. Cl.  
     **B01L 3/00** ( 2006.01 )  
     **A61B 10/00** ( 2006.01 )  
     **G01N 1/31** ( 2006.01 )  
 (43) 02.01.2020  
 (44) 11.03.2021  
 (62) 2016221780  
 (72) Otter, Michael; Crum, Nathan  
 (74) Spruson & Ferguson

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(71) Vertex Pharmaceuticals (Europe) Limited  
 (11) AU-B-2019222862  
 (21) 2019222862 (22) 28.08.2019  
 (54) Deuterated derivatives of ivacaftor  
 (51) Int. Cl.  
     **C07D 215/56** ( 2006.01 )  
     **A61K 31/47** ( 2006.01 )  
     **A61P 11/12** ( 2006.01 )  
     **C07B 59/00** ( 2006.01 )  
 (43) 19.09.2019  
 (44) 11.03.2021  
 (62) 2017208313  
 (72) Morgan, Adam, J.  
 (74) Davies Collison Cave Pty Ltd

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(71) Victaulic Company  
 (11) AU-B-2018278815  
 (21) 2018278815 (22) 31.05.2018  
 (54) Coupling having seal with retracting center leg  
 (51) Int. Cl.  
     **F16L 21/06** ( 2006.01 )  
     **B21D 39/04** ( 2006.01 )  
     **F16L 21/00** ( 2006.01 )

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**F16L 21/02** ( 2006.01 )  
**F16L 21/03** ( 2006.01 )  
**F16L 25/14** ( 2006.01 )  
**(87)** WO2018/222867  
**(31)** 62/514,229 **(32)** 02.06.17 **(33)** US  
**(43)** 06.12.2018  
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**(72)** Bancroft, Philip Wayne  
**(74)** Spruson & Ferguson

**(71)** Visa International Service Association  
**(11)** AU-B-2019240671  
**(21)** 2019240671 **(22)** 03.10.2019  
**(54)** METHODS FOR SECURE CRYPTOGRAM GENERATION  
**(51)** Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**H04L 9/30** ( 2006.01 )  
**(43)** 24.10.2019  
**(44)** 11.03.2021  
**(62)** 2015308608  
**(72)** Le Saint, Eric; Gordon, James; Joshi, Roopesh  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Vision Ease, LP  
**(11)** AU-B-2016229066  
**(21)** 2016229066 **(22)** 09.03.2016  
**(54)** Anti-static, anti-reflective coating  
**(51)** Int. Cl.  
**G02B 1/10** ( 2006.01 )  
**B32B 17/00** ( 2006.01 )  
**G02B 1/00** ( 2006.01 )

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**(31)** 62/130,502 **(32)** 09.03.15 **(33)** US  
**(43)** 15.09.2016  
**(44)** 11.03.2021  
**(72)** Marshall, Michael; Brown, Jeff  
**(74)** Spruson & Ferguson

**(71)** Visy R & D Pty Ltd  
**(11)** AU-B-2016225886  
**(21)** 2016225886 **(22)** 08.09.2016  
**(54)** Improving packaging and method of manufacturing same  
**(51)** Int. Cl.

**B65D 5/56** ( 2006.01 )  
**B65D 5/24** ( 2006.01 )  
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**(43)** 06.04.2017  
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**(72)** Dalgleish, Adrian Michael  
**(74)** Davies Collison Cave Pty Ltd

**(71)** VSPC Ltd  
**(11)** AU-B-2020203801  
**(21)** 2020203801 **(22)** 09.06.2020  
**(54)** Method for making lithium metal phosphates  
**(51)** Int. Cl.  
**C01B 25/37** ( 2006.01 )  
**C01G 49/00** ( 2006.01 )  
**(43)** 11.03.2021  
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**(72)** SHRESTHA, Aabhash; WORSLEY, John  
**(74)** Spruson & Ferguson

**(71)** Vuly IP Holdings No. 2 Pty Ltd  
**(11)** AU-B-2016361459  
**(21)** 2016361459 **(22)** 24.11.2016  
**(54)** Trampolines  
**(51)** Int. Cl.  
**A63B 5/11** ( 2006.01 )  
**(87)** WO2017/088023  
**(31)** 2016901210 **(32)** 01.04.16 **(33)** AU  
 2015905187 24.11.15 AU  
**(43)** 01.06.2017  
**(44)** 11.03.2021  
**(72)** Andon, Joe  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

**(71)** W.L. Gore & Associates, Inc.  
**(11)** AU-B-2017359157  
**(21)** 2017359157 **(22)** 08.11.2017  
**(54)** Two-part implantable therapy delivery device  
**(51)** Int. Cl.  
**A61L 27/38** ( 2006.01 )  
**A61K 35/12** ( 2015.01 )  
**(87)** WO2018/089395  
**(31)** 15/805,789 **(32)** 07.11.17 **(33)** US  
 62/419,100 08.11.16 US  
**(43)** 17.05.2018  
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**(72)** Rusch, Greg  
**(74)** Griffith Hack

**(71)** W.L. GORE & ASSOCIATES, INC.  
**(11)** AU-B-2019253802  
**(21)** 2019253802 **(22)** 22.10.2019  
**(54)** Occluder and anastomosis devices  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**(43)** 14.11.2019  
**(44)** 11.03.2021  
**(62)** 2016344412  
**(72)** JOHNSON, Matthew A.; MOONEY, Nathan K.; RAPPLEYA, Lindsey  
**(74)** Griffith Hack

**(71)** Waymo LLC  
**(11)** AU-B-2018301762  
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**(54)** Methods and systems for vehicle occupancy confirmation  
**(51)** Int. Cl.  
**B60W 30/14** ( 2006.01 )  
**B60R 11/04** ( 2006.01 )  
**B60R 21/015** ( 2006.01 )  
**B60W 40/08** ( 2012.01 )  
**B60W 50/14** ( 2012.01 )  
**(87)** WO2019/013980  
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 62/531,152 11.07.17 US  
**(43)** 17.01.2019  
**(44)** 11.03.2021  
**(72)** HERBACH, Joshua  
**(74)** RnB IP Pty Ltd

**(71)** Waymo LLC  
**(11)** AU-B-2018395952

**(21)** 2018395952 **(22)** 18.12.2018  
**(54)** Single optic for low light and high light level imaging  
**(51)** Int. Cl.  
**H04N 5/355** ( 2011.01 )  
**H04N 5/225** ( 2006.01 )  
**H04N 5/235** ( 2006.01 )  
**(87)** WO2019/133348  
**(31)** 15/856,194 **(32)** 28.12.17 **(33)** US  
**(43)** 04.07.2019  
**(44)** 11.03.2021  
**(72)** HERMALYN, Brendan  
**(74)** RnB IP Pty Ltd

**(71)** WCC West Coast Group Limited  
**(11)** AU-B-2016207839  
**(21)** 2016207839 **(22)** 18.01.2016  
**(54)** Fencing bracket  
**(51)** Int. Cl.  
**E06C 9/04** ( 2006.01 )  
**A62B 35/00** ( 2006.01 )  
**(87)** WO2016/113575  
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**(43)** 21.07.2016  
**(44)** 11.03.2021  
**(72)** Johnstone, Patrick Christopher  
**(74)** WRAYS PTY LTD

**(71)** Weir Minerals Australia Ltd  
**(11)** AU-B-2015376856  
**(21)** 2015376856 **(22)** 27.12.2015  
**(54)** Centrifugal scroll screen apparatus  
**(51)** Int. Cl.  
**B04B 3/04** ( 2006.01 )  
**B04B 7/02** ( 2006.01 )  
**B04B 7/14** ( 2006.01 )  
**B04B 9/00** ( 2006.01 )  
**B04B 11/06** ( 2006.01 )  
**B04B 11/08** ( 2006.01 )  
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**(87)** WO2016/112428  
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**(72)** Trench, Michael  
**(74)** Adams Pluck

**(71)** Westinghouse Air Brake Technologies Corporation  
**(11)** AU-B-2015347305  
**(21)** 2015347305 **(22)** 06.02.2015  
**(54)** Communication system and method for a train  
**(51)** Int. Cl.  
**B61L 15/00** ( 2006.01 )  
**B61L 23/00** ( 2006.01 )  
**(87)** WO2016/076907  
**(31)** 14/539,389 **(32)** 12.11.14 **(33)** US  
**(43)** 19.05.2016  
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**(72)** Klemanski, Richard S.; Haas, Carl L.  
**(74)** Griffith Hack

**(71)** West Virginia University Research Corporation  
**(11)** AU-B-2017214286



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 (54) Methods for production of carbon and hydrogen from natural gas and other hydrocarbons  
 (51) Int. Cl.  
*B01J 21/10* ( 2006.01 )  
*C01B 3/26* ( 2006.01 )  
*C01B 32/05* ( 2017.01 )  
 (87) WO2017/136205  
 (31) 62/289,566 (32) 01.02.16 (33) US  
 (43) 10.08.2017  
 (44) 11.03.2021  
 (72) Stiller, Alfred H.  
 (74) FB Rice Pty Ltd

(71) Wewewe GmbH  
 (11) AU-B-2016267547  
 (21) 2016267547 (22) 20.05.2016  
 (54) Insertion body, assembly of insertion bodies and method for inserting an insertion body  
 (51) Int. Cl.  
*G06K 19/077* ( 2006.01 )  
*B65D 19/00* ( 2006.01 )  
*F42B 7/00* ( 2006.01 )  
*G01V 15/00* ( 2006.01 )  
 (87) WO2016/188918  
 (31) 20 2015 007 358.1 (32) 26.10.15 (33) DE  
 10 2015 013 722.0 26.10.15 DE  
 20 2015 003 677.5 25.05.15 DE  
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 (43) 01.12.2016  
 (44) 11.03.2021  
 (72) Burgbacher, Axel C.  
 (74) Griffith Hack

(71) Wing Aviation LLC  
 (11) AU-B-2018347855  
 (21) 2018347855 (22) 13.09.2018  
 (54) Modular fuselage for unmanned aerial vehicle  
 (51) Int. Cl.  
*B64C 39/02* ( 2006.01 )  
 (87) WO2019/074611  
 (31) 15/730,420 (32) 11.10.17 (33) US  
 (43) 18.04.2019  
 (44) 11.03.2021  
 (72) WOODWORTH, Adam; RUDIN, Adem; BENSON, Stephen; SCHMALZRIED, James; LISKE, Kyle; BLAKE, Jesse; PRAGER, André; RENOLD, Nicolas; TWYFORD, Evan  
 (74) Spruson & Ferguson

(71) Xenon Pharmaceuticals Inc.  
 (11) AU-B-2017268006  
 (21) 2017268006 (22) 19.05.2017  
 (54) Benzenesulfonamide compounds and their use as therapeutic agents  
 (51) Int. Cl.  
*C07D 401/12* ( 2006.01 )  
*A61K 31/4427* ( 2006.01 )  
*A61P 25/08* ( 2006.01 )  
*C07D 417/12* ( 2006.01 )  
*C07D 451/02* ( 2006.01 )  
 (87) WO2017/201468  
 (31) 62/339,773 (32) 20.05.16 (33) US  
 62/432,152 09.12.16 US  
 (43) 23.11.2017

(44) 11.03.2021  
 (72) Andrez, Jean-Christophe; Burford, Kristen Nicole; Chowdhury, Sultan; Cohen, Charles Jay; Dehnhardt, Christoph Martin; Devita, Robert Joseph; Empfield, James Roy; Focken, Thilo; Grimwood, Michael Edward; Hasan, Syed Abid; Johnson Jr., James Philip; Zenoova, Alla Yurevna  
 (74) Davies Collison Cave Pty Ltd

**Xuzhou Boan Science & Technology Development Co., Ltd see China University of Mining and Technology**  
 (21) 2018404625

(71) YMEK Co., Ltd.  
 (11) AU-B-2018446132  
 (21) 2018446132 (22) 24.12.2018  
 (54) Parasol  
 (51) Int. Cl.  
*A45B 17/00* ( 2006.01 )  
 (87) WO2020/079859  
 (31) 2018-004053U (32) 19.10.18 (33) JP  
 2018-226941 04.12.18 JP  
 (43) 23.04.2020  
 (44) 11.03.2021  
 (72) YAMAGATA, Yoshinosuke  
 (74) Cotters Patent & Trade Mark Attorneys

(71) Yuan-Mei Corp.  
 (11) AU-B-2020203275  
 (21) 2020203275 (22) 20.05.2020  
 (54) Water Spray Gun for Control of Outflow of Water and Adjustment of Outflow  
 (51) Int. Cl.  
*B05B 1/30* ( 2006.01 )  
*B05B 9/01* ( 2006.01 )  
 (43) 11.03.2021  
 (44) 11.03.2021  
 (72) CHENG, Chi-Han  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) ZTE Corporation  
 (11) AU-B-2017398610  
 (21) 2017398610 (22) 26.12.2017  
 (54) Method and device for configuring GTP transmission channel and storage medium  
 (51) Int. Cl.  
*H04W 76/10* ( 2018.01 )  
 (87) WO2018/145526  
 (31) 201710074464.0 (32) 10.02.17 (33) CN  
 (43) 16.08.2018  
 (44) 11.03.2021  
 (72) Liu, Yang; Gao, Yin; Huang, He  
 (74) Davies Collison Cave Pty Ltd

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|            |  |            |  |
|------------|--|------------|--|
| 2014345581 | NINOVAX  | 2016223599 | Abivax; Centre National de la Recherche Scientifique; Institut Curie; Universite de Montpellier                                      |
| 2014351797 | Collectis  | 2016225886 | Visy R & D Pty Ltd   |
| 2014367412 | N.V. Nutricia  | 2016226553 | Modern Ideas LLC   |
| 2014370416 | The General Hospital Corporation   | 2016228967 | Curtin University  |
| 2014370516 | AIMM Therapeutics B.V.   | 2016229066 | Vision Ease, LP  |
| 2014370829 | Bonac Corporation; Tokyo Medical University  | 2016230918 | Ansell Electrical Products Limited   |
| 2014386209 | President and Fellows of Harvard College   | 2016234946 | Alstom Transport Technologies  |
| 2014407540 | The United States of America, as represented by the Secretary, Department of Health and Human Services | 2016234948 | Alstom Transport Technologies  |
| 2015203122 | Kolex Pty Limited  | 2016235237 | BioPharmX, Inc.  |
| 2015203173 | Normalu  | 2016235298 | Evestra, Inc.  |
| 2015208919 | Oxford Nanopore Technologies Limited   | 2016236832 | Technology Connections International Pty Ltd   |
| 2015213372 | Freedom Solutions Group, LLC d/b/a Microsystems, Inc.  | 2016240407 | Commonwealth Scientific and Industrial Research Organisation; The Boeing Company   |
| 2015237788 | Piramal Enterprises Limited  | 2016246146 | AngioDynamics, Inc.  |
| 2015249059 | PEP Licensing Limited  | 2016247221 | K2M, Inc.  |
| 2015255624 | CSR Building Products Limited  | 2016248560 | Kuse, K.   |
| 2015258169 | Total Hardware Pty Ltd   | 2016249784 | Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH       |
| 2015263901 | Promega Corporation  | 2016251830 | Société des Produits Nestlé S.A.   |
| 2015268149 | Academisch Ziekenhuis Leiden   | 2016252027 | Agbiome, Inc.  |
| 2015276084 | Ablynx NV  | 2016256803 | Adobe Inc.   |
| 2015279248 | APTATARGETS, S.L.  | 2016257019 | Loughnane, S.  |
| 2015286165 | Universite Laval; Medicago Inc.  | 2016257208 | L3 Aviation Products, Inc.   |
| 2015287749 | The Regents of The University of California  | 2016259295 | Austworld Commodities Pty Ltd  |
| 2015288188 | Snap Inc.  | 2016260522 | Acutus Medical, Inc.   |
| 2015289124 | Sanofi   | 2016262505 | Providence Medical Technology, Inc.  |
| 2015289420 | University of Southern California  | 2016262815 | Intersurgical AG   |
| 2015292406 | Cytomx Therapeutics, Inc   | 2016267547 | Wewewe GmbH  |
| 2015298291 | Bluebeam Software, Inc.  | 2016269247 | Soletanche Freyssinet  |
| 2015301126 | CB Therapeutics, Inc.  | 2016270232 | Tetra Laval Holdings & Finance S.A.  |
| 2015308527 | F. Hoffmann-La Roche AG  | 2016270751 | FMC Corporation  |
| 2015311836 | System of Systems Analytics, Inc.  | 2016275789 | Eyesynth, S.L.   |
| 2015317608 | Novartis AG; The Trustees of the University of Pennsylvania  | 2016277073 | Rheinmetall Waffe Munition GmbH  |
| 2015323936 | Illumina Cambridge Limited   | 2016277657 | Rovi Guides, Inc.  |
| 2015324386 | Sensormatic Electronics LLC  | 2016277739 | Shenzhen Skyworth-RGB Electronic Co., Ltd.   |
| 2015327741 | NewSouth Innovations Pty Limited   | 2016278510 | Rizk, C.   |
| 2015333590 | Cellmid Limited  | 2016280304 | Fisher and Paykel Healthcare Limited   |
| 2015340635 | Biototec AS  | 2016281433 | Auckland UniServices Limited   |
| 2015341481 | Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)   | 2016282667 | Kimberly-Clark Worldwide, Inc.   |
| 2015347305 | Westinghouse Air Brake Technologies Corporation  | 2016283102 | iCell Gene Therapeutics LLC  |
| 2015353728 | Buckman Laboratories International, Inc.   | 2016283334 | Pharmacosmos Holding A/s   |
| 2015358425 | Bakery Concepts International, LLC   | 2016286108 | Sanford-Burnham Medical Research Institute; Pfizer Inc.  |
| 2015362075 | Saluda Medical Pty Ltd   | 2016291232 | Skydex Technologies, Inc.  |
| 2015363113 | E. I. du Pont de Nemours and Company   | 2016292743 | Nuovo Pignone Tecnologie Srl   |
| 2015365378 | Tgoma NZ Limited   | 2016294607 | Precision Planting LLC   |
| 2015370004 | Emory University   | 2016297551 | United States Gypsum Company   |
| 2015376066 | Parmar, N.   | 2016302931 | Hanwha Azdel, Inc.   |
| 2015376856 | Weir Minerals Australia Ltd  | 2016303790 | Arlenko Pty Ltd  |
| 2015410225 | Halliburton Energy Services, Inc.  | 2016304737 | Ovid Therapeutics Inc.   |
| 2015414721 | Multi-Chem Group, LLC  | 2016305125 | National Oilwell Varco Denmark I/S   |
| 2015417386 | Indian Industries, Inc.  | 2016305299 | Arch Biopartners, Inc.   |
| 2016201613 | Caterpillar Inc.   | 2016306004 | Royal United Hospitals Bath NHS Foundation Trust   |
| 2016203460 | L. G. Harris & Co. Limited   | 2016306694 | Memorial Sloan-Kettering Cancer Center   |
| 2016203548 | Deere & Company  | 2016308189 | The Regents of the University of California  |
| 2016203733 | Opal Packaging Australia Pty Ltd   | 2016310541 | Arla Foods AmbA  |
| 2016205215 | Etubics Corporation; Jones, F.; Gabitzsch, E.; Latchman, Y.; Rice, A.                                  | 2016312973 | Uniline Australia Limited  |
| 2016207839 | WCC West Coast Group Limited   | 2016314035 | SafetyLink Pty Ltd   |
| 2016209724 | Malaysian Palm Oil Board   | 2016314037 | Packham, J.  |
| 2016209731 | Huisman Well Technology  | 2016314139 | Hunter Process Technologies Pty Limited  |
| 2016211632 | BioSpyder Technologies, Inc.   | 2016314372 | B. G. Negev Technologies and Applications Ltd., at Ben-Gurion University; The National Institute for Biotechnology in the Negev Ltd. |
| 2016216713 | Transtech Research Pty Ltd   | 2016314379 | Eloxx Pharmaceuticals Ltd.   |
| 2016218046 | Electrolux Appliances Aktiebolag   | 2016314765 | TECHNISCHE UNIVERSITÄT WIEN  |
| 2016218381 | Pure Storage, Inc.   | 2016316229 | Lion Corporation   |
| 2016219041 | Imago BioSciences, Inc.  |            |  |
| 2016219639 | The Boeing Company   |            |  |
| 2016222264 | Rollease Acmeda Pty Ltd  |            |  |

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| 2016317844 | Encapsys, LLC   | 2017300336 | National Institute of Biological Sciences, Beijing   |
| 2016318544 | Compagnie Industrielle de la Matiere Vegetale - CIMV  | 2017309628 | Feluwa Pumpen GmbH   |
| 2016320892 | Incyte Corporation  | 2017311199 | Kellogg Company  |
| 2016321669 | Pixium Vision SA  | 2017311699 | The National Institute for Biotechnology in the Negev Ltd.; B. G. Negev Technologies and Applications Ltd., at Ben-Gurion University |
| 2016322661 | PepsiCo, Inc.   | 2017315265 | Neurim Pharmaceuticals (1991) Ltd.   |
| 2016323028 | Baker Hughes Holdings, LLC  | 2017315677 | CHO Pharma Inc; Academia Sinica  |
| 2016323793 | J&J Solutions, Inc. D/B/A Corvida Medical   | 2017324723 | Janssen Pharmaceutica NV   |
| 2016325251 | Qualcomm Incorporated   | 2017325040 | Tal Or Ecology Ltd.  |
| 2016328692 | Janssen Pharmaceutica NV  | 2017327823 | Talend, Inc.   |
| 2016328693 | Janssen Pharmaceutica NV  | 2017330290 | CiDRA Corporate Services, LLC  |
| 2016329080 | E-Circuit Motors, Inc.  | 2017336331 | Telefonaktiebolaget LM Ericsson (publ)   |
| 2016329903 | Huntsman P&A UK Limited   | 2017355483 | Sakata Seed America, Inc.  |
| 2016335079 | Syngenta Participations AG  | 2017356342 | KA'ANA WAVE COMPANY INC.   |
| 2016337362 | Flirtay Holdings, Inc.  | 2017359157 | W.L. Gore & Associates, Inc.   |
| 2016338409 | CNH Industrial America LLC  | 2017364308 | Enterprise Therapeutics Limited  |
| 2016347048 | Nutrition & Biosciences USA 4, Inc.   | 2017366081 | LG Electronics Inc.  |
| 2016354893 | Neuromod Devices Limited  | 2017366855 | 3M Innovative Properties Company   |
| 2016355008 | Clariance   | 2017367203 | Securetec Detektions-Systeme AG  |
| 2016355577 | Titan Spine, Inc.   | 2017370938 | Intuit Inc.  |
| 2016357683 | Stichting Wageningen Research   | 2017389340 | LG Electronics Inc.  |
| 2016358242 | Idorsia Pharmaceuticals Ltd   | 2017398610 | ZTE Corporation  |
| 2016358324 | Transfert Plus, S.E.C.  | 2017399473 | BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.   |
| 2016361459 | Vuly IP Holdings No. 2 Pty Ltd  | 2017410433 | China University of Mining and Technology  |
| 2016362319 | Butterfly Network, Inc.   | 2017411621 | Shenzhen Wicue Optoelectronics. Co. Ltd  |
| 2016362407 | Ecolab USA Inc.   | 2017412798 | Cixi Bosheng Plastic Co., Ltd.   |
| 2016366220 | Lubrizol Advanced Materials, Inc.   | 2017417613 | Huawei Technologies Co., Ltd.  |
| 2016368632 | Creo Medical Limited  | 2017420711 | Lenlok Holdings, LLC   |
| 2016377702 | Oric Pharmaceuticals, Inc.  | 2017422561 | Loto Safety Products DMCC  |
| 2016380252 | Cytec Industries Inc.   | 2017424996 | Mitsubishi Electric Corporation  |
| 2016380289 | Edge Electrons Limited  | 2017431351 | Institute of Acoustics, Chinese Academy of Sciences; Beijing Hili Technology Co. Ltd.  |
| 2016381105 | Baxter Corporation Englewood  | 2017434397 | Daikin Industries, Ltd.  |
| 2016383645 | Heliatek GmbH   | 2018204010 | Aristocrat Technologies Australia Pty Limited  |
| 2016386105 | Qualcomm Incorporated   | 2018205190 | Sun Pharmaceutical Industries (Australia) Pty Ltd  |
| 2016387414 | GWF Messsysteme AG  | 2018209051 | Inventio AG  |
| 2016389434 | Beijing Innocare Pharma Tech Co., Ltd.  | 2018209271 | Palobiofarma, S.L.   |
| 2016395750 | Unicharm Corporation  | 2018210780 | The Gillette Company LLC   |
| 2016430166 | ABB Schweiz AG  | 2018211811 | Nippon Steel Corporation   |
| 2017201176 | Covidien LP   | 2018212514 | Inventio AG  |
| 2017207906 | American Gene Technologies International Inc.   | 2018215129 | Faiveley Transport Witten GmbH   |
| 2017212313 | Qualcomm Incorporated   | 2018218287 | The Toro Company   |
| 2017213639 | Pulmonx Corporation   | 2018218614 | Honda Motor Co., Ltd.  |
| 2017214286 | West Virginia University Research Corporation   | 2018219352 | RTA Associates, LLC  |
| 2017215431 | Industrie Borla S.p.A.  | 2018220668 | Siemens Mobility GmbH  |
| 2017216346 | Anellotech, Inc.  | 2018221557 | Novartis AG  |
| 2017218516 | Ergomotion, Inc.  | 2018224128 | BWXT Isotope Technology Group, Inc.  |
| 2017221031 | BASF SE   | 2018230074 | Advanced New Technologies Co., Ltd.  |
| 2017228315 | The Braun Corporation   | 2018236349 | Cerecin Inc.   |
| 2017228329 | Corcept Therapeutics, Inc.  | 2018236704 | CareFusion 303, Inc.   |
| 2017229370 | Ventana Medical Systems, Inc.   | 2018241084 | Belron International Limited   |
| 2017231097 | Sands, B.; SandyLakes Limited   | 2018243116 | Great Wall Motor Company Limited   |
| 2017238084 | Qualcomm Incorporated   | 2018244592 | Cell Design Labs, Inc.   |
| 2017241516 | Boston Scientific Scimed, Inc.  | 2018246554 | Hirotsu Bio Science Inc.   |
| 2017246238 | Veedol Lubricants Pty Ltd   | 2018249158 | DIC Corporation  |
| 2017247030 | Novel Technologies Holdings Limited   | 2018249356 | Milliken & Company   |
| 2017247615 | SWM Luxembourg Sarl   | 2018249796 | Kookmin University Industry Academy Cooperation Foundation; Osong Medical Innovation Foundation                                      |
| 2017249591 | Baader Linco, Inc.  | 2018253130 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.   |
| 2017254266 | Taisho Pharmaceutical Co., Ltd.   | 2018255421 | Lyra Therapeutics, Inc.  |
| 2017262155 | Shanghai Fochon Pharmaceutical Co., Ltd.; Fochon Pharmaceuticals, Ltd.  | 2018261253 | Motorola Solutions, Inc.   |
| 2017266048 | Leibniz-Institut für Polymerforschung Dresden e. V.; Deutsches Zentrum für Neurodegenerative Erkrankungen e. V. | 2018269000 | Ouster, Inc.   |
| 2017266397 | Chr. Hansen A/S   | 2018269351 | Kinetic Pressure Control, Ltd.   |
| 2017268006 | Xenon Pharmaceuticals Inc.  | 2018271388 | APTARION biotech AG  |
| 2017268318 | El-Shafei, A.   | 2018271456 | Daikin Industries, Ltd.  |
| 2017275603 | Syngenta Participations AG  | 2018271836 | National Cheng Kung University; DCB-USA LLC  |
| 2017277077 | BASF SE   | 2018271957 | Hendrickson USA, L.L.C.  |
| 2017278099 | The J. David Gladstone Institutes; The Regents of the University of California; Ithaca College                  | 2018274694 | Orthox Limited   |
| 2017281296 | Novaliq GmbH  | 2018276459 | Sony Corporation   |
| 2017287536 | Kyowa Kirin Co., Ltd.   |            |  |
| 2017288916 | Invaluable Inventions   |            |  |

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|------------|--|------------|--|
| 2018278815 | Victaulic Company  | 2019201490 | Dolby International AB   |
| 2018278979 | Aristocrat Technologies Australia Pty Limited  | 2019201493 | FUNDACIO INSTITUT DE RECERCA BIOMEDICA (IRB BARCELONA); INSTITUCIO CATALANA DE RECERCA I ESTUDIS       |
| 2018278982 | Aristocrat Technologies Australia Pty Limited  | 2019202245 | QIAGEN Australia Holding Pty. Ltd.   |
| 2018281528 | Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation                         | 2019202375 | FISHER & PAYKEL HEALTHCARE LIMITED   |
| 2018281970 | Orthox Limited   | 2019202661 | SONG, L.   |
| 2018290898 | The Trustees of Columbia University in the City of New York                                      | 2019202732 | BRIEN HOLDEN VISION INSTITUTE  |
| 2018291034 | Arias, A.  | 2019202815 | Air Products and Chemicals, Inc.   |
| 2018291898 | L'Oreal  | 2019202972 | Leatherman Tool Group, Inc.  |
| 2018295400 | Essity Hygiene and Health Aktiebolag   | 2019203042 | The United States of America, as represented by the Secretary, Department of Health and Human Services |
| 2018297173 | PPG Industries Ohio, Inc.  | 2019203340 | Israel Weapon Industries (I.W.I) Ltd.  |
| 2018297889 | Smart Installations AS   | 2019203626 | Apple Inc.   |
| 2018299490 | Guangzhou Xaircraft Technology Co., Ltd  | 2019203665 | The Broad Institute, Inc.; Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation        |
| 2018301556 | Shenzhen Yuan Qi Environmental Energy Technology Co., Ltd.                                       | 2019203702 | Progress Rail Services Corporation   |
| 2018301762 | Waymo LLC  | 2019203813 | BioAtla, LLC   |
| 2018306059 | Daikin Industries, Ltd.  | 2019204079 | Series International, LLC  |
| 2018307001 | IHI Corporation  | 2019204121 | Lantheus Medical Imaging, Inc.   |
| 2018307470 | Eli Lilly and Company  | 2019204675 | The General Hospital Corporation   |
| 2018308486 | Guo, Q.  | 2019204729 | Advanced New Technologies Co., Ltd.  |
| 2018309035 | Rowan Companies, Inc.  | 2019206016 | CushCore, Inc.   |
| 2018313298 | DataCloud International, Inc.  | 2019206026 | Rockhouse International Pty Ltd  |
| 2018318374 | F. Hoffmann-La Roche AG  | 2019206089 | ICU Medical, Inc.  |
| 2018325440 | CNH Industrial America LLC   | 2019206298 | Citrix Systems, Inc.   |
| 2018327170 | Daiichi Sankyo Company, Limited  | 2019207581 | Ocado Innovation Limited   |
| 2018331450 | Cleveland Range, LLC   | 2019208194 | 0903608 B.C. Ltd.  |
| 2018345749 | The Procter & Gamble Company; The Cleveland Clinic Foundation                                    | 2019210497 | DuPont Nutrition BioSciences ApS   |
| 2018347855 | Wing Aviation LLC  | 2019210604 | LG ELECTRONICS INC.  |
| 2018348161 | Array BioPharma Inc.   | 2019213329 | The United States of America, as represented by the Secretary, Department of Health and Human Services |
| 2018351031 | Please Hold (UK) Limited   | 2019213337 | Gilead Callistoga LLC  |
| 2018353495 | Please Hold (UK) Limited   | 2019213346 | Taylor Commercial Foodservice, LLC.  |
| 2018353933 | Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.                                | 2019213383 | Merck Patent GmbH  |
| 2018359380 | Ab Initio Technology LLC   | 2019213569 | Northrop Grumman Systems Corporation   |
| 2018360239 | iLOQ Oy  | 2019216583 | Mitsubishi Power, Ltd.   |
| 2018369508 | Eli Lilly And Company  | 2019217663 | Boomer Advanced Manufacturing Holdings Pty Ltd   |
| 2018369752 | Teleflex Medical Incorporated  | 2019218103 | Southern Mills, Inc.   |
| 2018374382 | Leica Biosystems Imaging, Inc.   | 2019218510 | Shanghai MicroPort EP MedTech Co., Ltd.  |
| 2018375342 | Reynolds Presto Products Inc.  | 2019219869 | RES USA, LLP   |
| 2018381805 | Siemens Mobility GmbH  | 2019220383 | Bühler AG  |
| 2018394851 | Tokuyama Dental Corporation  | 2019222862 | Vertex Pharmaceuticals (Europe) Limited  |
| 2018395952 | Waymo LLC  | 2019222936 | Apple Inc.   |
| 2018396279 | Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.                                | 2019225277 | Mitsubishi Heavy Industries Thermal Systems, Ltd.  |
| 2018400554 | Kawasaki Jukogyo Kabushiki Kaisha  | 2019225278 | Mitsubishi Heavy Industries Thermal Systems, Ltd.  |
| 2018401068 | Qingdao Haier Co., Ltd.  | 2019226166 | Nevro Corporation  |
| 2018401508 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | 2019226301 | Georg Fischer Central Plastics LLC   |
| 2018404625 | China University of Mining and Technology; Xuzhou Boan Science & Technology Development Co., Ltd | 2019232854 | J&C Trading Co., Ltd.  |
| 2018406335 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | 2019232867 | IMMCO Diagnostics, Inc.  |
| 2018413312 | Plants Laboratory, Inc.  | 2019232877 | Highlife SAS   |
| 2018417114 | Jiangsu Normal University  | 2019238961 | Tyco Fire & Security GmbH  |
| 2018417124 | Nokia Technologies Oy  | 2019240671 | Visa International Service Association   |
| 2018427246 | Taiyuan University of Technology   | 2019246910 | ArthroCare Corporation   |
| 2018434893 | Turner Jr., E.   | 2019250135 | Intellijoint Surgical Inc.   |
| 2018437253 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   | 2019250149 | T-Max (Hangzhou) Technology Co., Ltd   |
| 2018446132 | YMEK Co., Ltd.   | 2019252128 | Carnegie Mellon University   |
| 2019200252 | K-fee System GmbH  | 2019253575 | Boston Scientific Scimed, Inc.   |
| 2019200317 | HIREMATH, R.   | 2019253802 | W.L. GORE & ASSOCIATES, INC.   |
| 2019200368 | EMD Millipore Corporation  | 2019257435 | ArthroCare Corporation   |
| 2019200732 | Apple Inc.   | 2019257454 | FiberLean Technologies Limited   |
| 2019200802 | Laila Nutraceuticals   | 2019261667 | Gilead Sciences, Inc.  |
| 2019200877 | Coiled Tubing Specialties, LLC   | 2019264036 | The Boots Company plc  |
| 2019201060 | AMO Development, LLC   | 2019268076 | Shell Internationale Research Maatschappij B.V.  |
| 2019201205 | Orison Inc.  | 2019268123 | Fishman, A.; OpenTV, Inc.; Chai, C.  |
| 2019201214 | Epiphany Solar Water Systems   | 2019268154 | ORTHOsoft Inc.   |
| 2019201312 | McElroy Manufacturing Inc.   | 2019268209 | Ketogen Inc.   |
|            |  | 2019270826 | Motorola Solutions, Inc.   |
|            |  | 2019270881 | Motorola Solutions, Inc.   |
|            |  | 2019271944 | B. Braun Melsungen AG  |
|            |  | 2019271960 | InterDigital CE Patent Holdings  |
|            |  | 2019275236 | Raytheon Company   |

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2019275592 Ventana Medical Systems, Inc.  
2019275628 Precision Planting LLC  
2019279967 FiberLean Technologies Limited  
2019280060 Isol8 Pty Ltd  
2019283850 GEOQUEST SYSTEMS B.V.  
2019283894 Becton, Dickinson and Company  
2019283973 Patent Agencies Limited  
2019284159 Hanwha Corporation  
2019312061 Samsung Electronics Co., Ltd.  
2019315032 7Hugs Labs SAS  
2019322252 Ridha, H.  
2019385786 Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences  
2020200074 Huawei Technologies Co., Ltd.  
2020200102 Schattdecor Sp. z.o.o.  
2020200397 Apple Inc.  
2020200627 SHUBIN SR., S.A.  
2020200628 Sorrento Therapeutics, Inc.  
2020200726 University of Southern California  
2020200852 Kimberly-Clark Worldwide, Inc.  
2020200862 Daikin Industries, Ltd.  
2020200960 Joy Global Underground Mining LLC  
2020201172 Standard Bariatrics, Inc.  
2020201460 Husqvarna AB  
2020201997 BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.  
2020202000 INCYTE CORPORATION  
2020202464 Institute of Geology and Geophysics, Chinese Academy of Sciences; Northeast Petroleum University  
2020202567 ClearStream Technologies Limited  
2020202759 Hewlett-Packard Development Company, L.P.  
2020202769 Microbase Technology Corp.  
2020203130 Dolby International AB  
2020203269 Intercontinental Great Brands LLC  
2020203275 Yuan-Mei Corp.  
2020203320 Pilot Pastoral Co. Pty Ltd  
2020203801 VSPC Ltd  
2020204035 Sangamo Therapeutics, Inc.  
2020213316 Oric Pharmaceuticals, Inc.  
2020220186 CareFusion 303, Inc.  
2020233639 Gen-Probe Incorporated  
2020239783 Apple Inc.  
2020302835 Pine IP Pty Ltd  
2021200789 Apple Inc.

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| <b><u>A01B 63 /-</u></b> | <b><u>A01N 63 /-</u></b> | 2016357683               | <b><u>A47J 36 /-</u></b> | 2016362319               | 2016305299               |
| 2018218287               | 2016252027               | <b><u>A23L 3 /-</u></b>  | 2018331450               | <b><u>A61B 90 /-</u></b> | 2016306694               |
| 2018325440               | <b><u>A01N 65 /-</u></b> | 2016357683               | <b><u>A47J 39 /-</u></b> | 2019268154               | 2016308189               |
| <b><u>A01C 7 /-</u></b>  | 2019208194               | <b><u>A23L 33 /-</u></b> | 2018331450               | <b><u>A61F 11 /-</u></b> | 2016314379               |
| 2016294607               | 2020302835               | 2014345581               | <b><u>A47J 41 /-</u></b> | 2016354893               | 2016320892               |
| 2019275628               | <b><u>A01P 3 /-</u></b>  | 2017311199               | 2016322661               | <b><u>A61F 13 /-</u></b> | 2016328692               |
| <b><u>A01D 41 /-</u></b> | 2017275603               | <b><u>A23L 7 /-</u></b>  | <b><u>A47L 13 /-</u></b> | <b><u>A61F 13 /-</u></b> | 2016328693               |
| 2016338409               | <b><u>A01P 7 /-</u></b>  | 2017311199               | 2017412798               | 2016282667               | 2016358242               |
| 2018325440               | 2019208194               | <b><u>A23N 17 /-</u></b> | <b><u>A47L 23 /-</u></b> | 2016395750               | 2016377702               |
| <b><u>A01D 46 /-</u></b> | <b><u>A21C 11 /-</u></b> | 2019220383               | 2018249356               | 2017366855               | 2016389434               |
| 2016203548               | 2019220383               | <b><u>A23P 30 /-</u></b> | <b><u>A47L 9 /-</u></b>  | 2018295400               | 2017207906               |
| <b><u>A01D 57 /-</u></b> | <b><u>A21D 13 /-</u></b> | 2019220383               | 2017389340               | <b><u>A61F 2 /-</u></b>  | 2017228329               |
| 2016203548               | 2017311199               | <b><u>A41D 31 /-</u></b> | <b><u>A61B 1 /-</u></b>  | 2016262505               | 2017254266               |
| <b><u>A01F 15 /-</u></b> | <b><u>A22C 21 /-</u></b> | 2019218103               | 2016262815               | 2018255421               | 2017262155               |
| 2016203548               | 2017249591               | <b><u>A45B 17 /-</u></b> | <b><u>A61B 10 /-</u></b> | 2018274694               | 2017268006               |
| <b><u>A01G 25 /-</u></b> | <b><u>A23B 5 /-</u></b>  | 2018446132               | 2017367203               | 2018281970               | 2017287536               |
| 2020201460               | 2016357683               | <b><u>A45D 19 /-</u></b> | 2019275592               | 2019232877               | 2017300336               |
| <b><u>A01G 9 /-</u></b>  | <b><u>A23C 19 /-</u></b> | 2018291898               | <b><u>A61B 17 /-</u></b> | 2019252128               | 2017315265               |
| 2018413312               | 2016310541               | <b><u>A45D 34 /-</u></b> | 2016246146               | 2019253575               | 2017324723               |
| <b><u>A01H 1 /-</u></b>  | 2017266397               | 2019264036               | 2016247221               | 2020202567               | 2017364308               |
| 2017355483               | <b><u>A23C 21 /-</u></b> | <b><u>A45D 7 /-</u></b>  | 2016262505               | <b><u>A61F 5 /-</u></b>  | 2018209271               |
| <b><u>A01H 3 /-</u></b>  | 2016310541               | 2018291898               | 2016355008               | 2016314037               | 2018221557               |
| 2015286165               | <b><u>A23C 3 /-</u></b>  | 2016203460               | 2017201176               | 2017366855               | 2018236349               |
| <b><u>A01H 5 /-</u></b>  | 2016357683               | <b><u>A46B 3 /-</u></b>  | 2018369752               | 2020200627               | 2018255421               |
| 2015286165               | <b><u>A23G 3 /-</u></b>  | 2018291898               | 2019250135               | <b><u>A61F 9 /-</u></b>  | 2018271388               |
| 2017355483               | 2016251830               | <b><u>A46B 9 /-</u></b>  | 2019253802               | 2016275789               | 2018327170               |
| 2018205190               | <b><u>A23G 9 /-</u></b>  | 2016203460               | 2019322252               | 2017281296               | 2018345749               |
| <b><u>A01N 25 /-</u></b> | 2018219352               | <b><u>A47C 1 /-</u></b>  | 2020201172               | 2019201060               | 2018369508               |
| 2019208194               | 2019213346               | 2019204079               | 2020202567               | <b><u>A61G 3 /-</u></b>  | 2019204121               |
| <b><u>A01N 31 /-</u></b> | <b><u>A23J 3 /-</u></b>  | 2017218516               | <b><u>A61B 3 /-</u></b>  | 2017228315               | 2019213337               |
| 2020302835               | 2019220383               | <b><u>A47C 20 /-</u></b> | 2019201060               | <b><u>A61G 7 /-</u></b>  | 2019222862               |
| <b><u>A01N 43 /-</u></b> | <b><u>A23K 40 /-</u></b> | 2017218516               | <b><u>A61B 34 /-</u></b> | 2017218516               | 2019261667               |
| 2016270751               | 2019220383               | <b><u>A47C 27 /-</u></b> | 2019250135               | <b><u>A61H 19 /-</u></b> | 2019268209               |
| 2016335079               | 2019220383               | 2016291232               | 2019268154               | 2020200627               | 2020200726               |
| 2017275603               | <b><u>A23L 13 /-</u></b> | <b><u>A47C 7 /-</u></b>  | <b><u>A61B 18 /-</u></b> | <b><u>A61J 1 /-</u></b>  | 2020202000               |
| 2019208194               | 2019220383               | 2016291232               | 2016246146               | 2016323793               | <b><u>A61K 33 /-</u></b> |
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| 2016335079               | 2019220383               | 2017218516               | 2019218510               | <b><u>A61K 31 /-</u></b> | <b><u>A61K 35 /-</u></b> |
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| 2015333590        | 2019246910        |                   | 2015333590        | 2016361459        |                   |
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| 2016305299        | <b>A61L 31 /-</b> | 2018209271        | 2016209724        |                   | 2019275592        |
| 2017228329        |                   | 2019222862        | 2016219041        | 2015417386        |                   |
| 2018221557        | 2018255421        |                   | 2016305299        |                   | <b>B01L 7 /-</b>  |
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| 2018290898        |                   |                   | 2016314372        | 2018204010        |                   |
| 2018327170        | <b>A61L 9 /-</b>  | 2016305299        | 2016320892        | 2018278979        |                   |
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|                   | 2018301556        |                   | 2016328693        |                   | 2016314139        |
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|                   |                   |                   | 2016358324        |                   |                   |
| 2016286108        | 2020202769        | 2016358242        | 2016389434        | 2018291034        | <b>B04B 11 /-</b> |
| 2018221557        |                   |                   | 2017262155        |                   |                   |
| 2018345749        | <b>A61M 15 /-</b> | <b>A61P 17 /-</b> | 2018209271        | <b>B01D 1 /-</b>  | 2015376856        |
|                   |                   |                   | 2018221557        |                   |                   |
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|                   |                   | 2017315265        | 2018348161        |                   |                   |
| 2016209724        | <b>A61M 16 /-</b> | 2018209271        | 2018369508        | <b>B01D 15 /-</b> | 2015376856        |
| 2016235237        |                   |                   | 2019203042        |                   |                   |
| 2016358324        | 2016280304        | <b>A61P 19 /-</b> | 2019203665        | 2017231097        | <b>B04B 3 /-</b>  |
| 2017241516        | 2019202375        |                   | 2019213337        |                   | 2015376856        |
| 2017287536        |                   | 2015237788        | 2019261667        | <b>B01D 21 /-</b> | 2015376856        |
| 2018327170        | <b>A61M 21 /-</b> | 2016306694        | 2020200726        |                   |                   |
|                   |                   | 2017311699        | 2020202000        | 2016269247        | <b>B04B 7 /-</b>  |
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| 2014370829        | <b>A61M 25 /-</b> |                   |                   |                   |                   |
| 2015341481        |                   | 2015289420        | <b>A61P 37 /-</b> | 2017231097        | <b>B04B 9 /-</b>  |
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| 2019203042        | 2019271944        |                   | 2015237788        | <b>B01D 5 /-</b>  |                   |
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|                   |                   |                   | 2017300336        |                   |                   |
| 2015287749        | 2016306004        | 2016283334        | 2019213337        | <b>B01D 53 /-</b> | 2016269247        |
| 2016308189        |                   | 2016358242        | 2020202000        |                   |                   |
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| 2016226553        | 2018255421        | 2017300336        |                   | <b>B01F 3 /-</b>  | 2017356342        |
| 2018394851        |                   | 2018290898        | 2014370829        |                   | 2020203275        |
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| 2016317844        | <b>A61M 39 /-</b> |                   |                   |                   | 2018299490        |
| 2016366220        |                   | 2018209271        | 2016314379        | 2016317844        | <b>B05B 9 /-</b>  |
|                   | 2018236704        |                   |                   | 2018224128        |                   |
| <b>A61K 9 /-</b>  | <b>A61M 5 /-</b>  | <b>A61P 29 /-</b> |                   | <b>B01J 19 /-</b> | 2020203275        |
|                   |                   |                   | 2016358242        |                   |                   |
| 2016209724        | 2016381105        | 2015279248        | 2017300336        | 2015323936        | <b>B05D 5 /-</b>  |
| 2016235237        | 2017215431        | 2015333590        |                   | 2018224128        |                   |
| 2016358324        | 2018307470        | 2016305299        | <b>A61Q 19 /-</b> | 2018307001        | 2016226553        |
| 2016366220        | 2018318374        | 2018209271        |                   |                   |                   |
| 2017241516        | 2019213383        | 2018271388        | 2016366220        | <b>B01J 21 /-</b> | <b>B21D 11 /-</b> |
| 2017300336        | 2019271944        | 2020202000        |                   |                   |                   |
| 2018236349        | 2019283894        |                   | <b>A62B 35 /-</b> | 2017214286        | 2019206026        |
| 2018255421        | 2020220186        | <b>A61P 3 /-</b>  |                   |                   |                   |
| 2020200726        |                   |                   | 2016207839        | <b>B01J 23 /-</b> | <b>B21D 19 /-</b> |
|                   | <b>A61N 1 /-</b>  | 2017324723        | 2016314035        |                   |                   |
| <b>A61L 15 /-</b> |                   | 2018345749        |                   | 2019219869        | 2019206026        |
|                   |                   | 2019261667        | <b>A62B 7 /-</b>  |                   |                   |
| 2015340635        | 2015362075        |                   |                   | <b>B01J 27 /-</b> | <b>B21D 22 /-</b> |
| 2019246910        | 2016260522        | <b>A61P 31 /-</b> | 2019202375        |                   |                   |
|                   | 2016321669        |                   |                   | 2016316229        | 2019206026        |
| <b>A61L 24 /-</b> | 2019226166        | 2015370004        | <b>A62C 2 /-</b>  |                   |                   |
|                   |                   | 2016223599        |                   | <b>B01J 35 /-</b> | <b>B21D 28 /-</b> |
| 2019246910        | <b>A61P 1 /-</b>  |                   | 2016303790        |                   |                   |
|                   |                   | <b>A61P 35 /-</b> |                   | 2016316229        | 2019206026        |
| <b>A61L 27 /-</b> | 2016314372        |                   | <b>A63B 24 /-</b> | 2019219869        |                   |
|                   | 2019261667        | 2014370829        |                   |                   | <b>B21D 37 /-</b> |
| 2016355577        |                   | 2014407540        | 2015365378        | <b>B01J 37 /-</b> |                   |
| 2017266048        |                   | 2015237788        |                   |                   | 2019206026        |
|                   |                   | 2015287749        | <b>A63B 5 /-</b>  | 2016316229        |                   |

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|                         |                         |                         |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b><u>B21D 39/-</u></b> |                         | <b><u>B32B 5/-</u></b>  | 2018271957              | <b><u>B62D 33/-</u></b> |                         |
| 2018278815              | <b><u>B28B 17/-</u></b> | 2016302931              | <b><u>B60C 17/-</u></b> | 2016216713              | <b><u>B65D 85/-</u></b> |
| <b><u>B21D 5/-</u></b>  | 2016297551              | <b><u>B32B 7/-</u></b>  | 2019206016              | <b><u>B63B 21/-</u></b> | 2019200252              |
| 2019206026              | <b><u>B28B 19/-</u></b> | 2020203269              | <b><u>B60H 1/-</u></b>  | 2018297889              | <b><u>B65G 11/-</u></b> |
| <b><u>B21K 1/-</u></b>  | 2016297551              | <b><u>B33Y 30/-</u></b> | 2016234946              | <b><u>B63J 99/-</u></b> | 2016270232              |
| 2017268318              | <b><u>B28B 5/-</u></b>  | 2019252128              | <b><u>B60J 5/-</u></b>  | 2018309035              | <b><u>B65G 17/-</u></b> |
| <b><u>B22C 3/-</u></b>  | 2016297551              | <b><u>B33Y 50/-</u></b> | 2016216713              | <b><u>B64C 25/-</u></b> | 2017249591              |
| 2017246238              | <b><u>B28B 7/-</u></b>  | 2020200627              | <b><u>B60L 5/-</u></b>  | 2016337362              | <b><u>B65G 45/-</u></b> |
| <b><u>B22F 3/-</u></b>  | 2017246238              | <b><u>B33Y 70/-</u></b> | 2016234948              | <b><u>B64C 27/-</u></b> | 2016270232              |
| 2016355577              | <b><u>B29C 33/-</u></b> | 2019252128              | <b><u>B60L 9/-</u></b>  | 2016337362              | <b><u>B65G 47/-</u></b> |
| <b><u>B23D 45/-</u></b> | 2017246238              | <b><u>B33Y 80/-</u></b> | 2016234948              | <b><u>B64C 39/-</u></b> | 2018400554              |
| 2020203320              | <b><u>B29C 48/-</u></b> | 2019252128              | <b><u>B60M 3/-</u></b>  | 2018347855              | <b><u>B65G 65/-</u></b> |
| <b><u>B23D 47/-</u></b> | 2019220383              | 2020200627              | 2016234948              | <b><u>B64C 9/-</u></b>  | 2018400554              |
| 2020203320              | <b><u>B29C 64/-</u></b> | <b><u>B41F 17/-</u></b> | <b><u>B60P 3/-</u></b>  | 2016337362              | <b><u>B65H 35/-</u></b> |
| <b><u>B23K 26/-</u></b> | 2019252128              | 2015255624              | 2017228315              | <b><u>B64D 1/-</u></b>  | 2020200852              |
| 2015255624              | 2020200627              | <b><u>B41J 29/-</u></b> | <b><u>B60R 11/-</u></b> | 2018299490              | <b><u>B66B 19/-</u></b> |
| <b><u>B23P 19/-</u></b> | <b><u>B29C 65/-</u></b> | 2020202759              | 2018301762              | <b><u>B64D 17/-</u></b> | 2018427246              |
| 2016277739              | 2019201312              | <b><u>B41M 3/-</u></b>  | <b><u>B60R 21/-</u></b> | 2016337362              | <b><u>B66B 23/-</u></b> |
| 2019201312              | <b><u>B29C 70/-</u></b> | 2020200102              | 2018301762              | <b><u>B64D 23/-</u></b> | 2018209051              |
| <b><u>B25B 7/-</u></b>  | 2016302931              | <b><u>B41M 5/-</u></b>  | <b><u>B60R 3/-</u></b>  | 2018291034              | <b><u>B66B 5/-</u></b>  |
| 2019202972              | <b><u>B29C 73/-</u></b> | 2015255624              | 2019250149              | <b><u>B64F 5/-</u></b>  | 2018212514              |
| <b><u>B25F 1/-</u></b>  | 2018241084              | <b><u>B41M 7/-</u></b>  | <b><u>B60W 30/-</u></b> | 2016219639              | <b><u>B66C 23/-</u></b> |
| 2019202972              | <b><u>B29L 31/-</u></b> | 2020200102              | 2018301762              | <b><u>B65B 1/-</u></b>  | 2018400554              |
| <b><u>B26B 11/-</u></b> | 2018241084              | <b><u>B42B 5/-</u></b>  | <b><u>B60W 40/-</u></b> | 2016203548              | <b><u>B67C 3/-</u></b>  |
| 2019202972              | <b><u>B30B 9/-</u></b>  | 2015376066              | 2018301762              | <b><u>B65B 3/-</u></b>  | 2019283973              |
| <b><u>B26B 21/-</u></b> | 2016203548              | <b><u>B42C 19/-</u></b> | <b><u>B60W 50/-</u></b> | 2016323793              | <b><u>B67D 1/-</u></b>  |
| 2018210780              | <b><u>B31F 1/-</u></b>  | 2015376066              | 2018301762              | <b><u>B65D 19/-</u></b> | 2016322661              |
| <b><u>B26D 7/-</u></b>  | 2016203733              | <b><u>B42D 1/-</u></b>  | <b><u>B61L 15/-</u></b> | 2016267547              | 2018219352              |
| 2015376066              | <b><u>B31F 5/-</u></b>  | 2015376066              | 2015347305              | 2018434893              | <b><u>B68G 5/-</u></b>  |
| <b><u>B26D 9/-</u></b>  | 2016203733              | <b><u>B42D 25/-</u></b> | 2018220668              | <b><u>B65D 21/-</u></b> | 2016291232              |
| 2015376066              | <b><u>B32B 17/-</u></b> | 2017288916              | <b><u>B61L 23/-</u></b> | 2018434893              | <b><u>B68G 7/-</u></b>  |
| <b><u>B26F 1/-</u></b>  | 2016229066              | <b><u>B44C 3/-</u></b>  | 2015347305              | <b><u>B65D 33/-</u></b> | 2016291232              |
| 2015376066              | <b><u>B32B 25/-</u></b> | 2020200102              | <b><u>B61L 25/-</u></b> | 2018375342              | <b><u>C01B 25/-</u></b> |
| <b><u>B27B 3/-</u></b>  | 2020202567              | <b><u>B44C 5/-</u></b>  | 2018220668              | <b><u>B65D 5/-</u></b>  | 2016226553              |
| 2020203320              | <b><u>B32B 27/-</u></b> | 2020200102              | <b><u>B61L 3/-</u></b>  | 2016225886              | 2020203801              |
| <b><u>B27B 5/-</u></b>  | 2016380252              | 2020200102              | 2018220668              | <b><u>B65D 65/-</u></b> | <b><u>C01B 3/-</u></b>  |
| 2020203320              | 2018249158              | <b><u>B44F 9/-</u></b>  | <b><u>B62B 1/-</u></b>  | 2020203269              | 2017214286              |
| 2020203320              | 2020203269              | 2016226553              | 2018434893              | <b><u>B65D 75/-</u></b> | <b><u>C01B 32/-</u></b> |
| <b><u>B27N 3/-</u></b>  | <b><u>B32B 3/-</u></b>  | <b><u>B60B 27/-</u></b> |                         | 2020203269              | 2017214286              |
| 2017221031              | 2020203269              |                         |                         |                         |                         |



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|                           |                           |                           |                           |                          |                           |
|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
| <b><u>C01B 33 /-</u></b>  |                           |                           | <b><u>C07D 451 /-</u></b> | <b><u>C07J 41 /-</u></b> | <b><u>C07K 7 /-</u></b>   |
| 2016318544                | <b><u>C07C 211 /-</u></b> | <b><u>C07D 239 /-</u></b> | 2017268006                | 2016235298               | 2015341481                |
| <b><u>C01G 39 /-</u></b>  | 2016219041                | 2016270751                | <b><u>C07D 471 /-</u></b> | 2016377702               | 2016305299                |
| 2018224128                | <b><u>C07C 229 /-</u></b> | 2017300336                | 2016328692                | 2020213316               | 2016358324                |
| <b><u>C01G 49 /-</u></b>  | 2017254266                | <b><u>C07D 253 /-</u></b> | 2016389434                | <b><u>C07J 43 /-</u></b> | 2016366220                |
| 2020203801                | <b><u>C07C 231 /-</u></b> | 2015263901                | 2017228329                | 2016377702               | 2018327170                |
| <b><u>C02F 1 /-</u></b>   | 2018327170                | <b><u>C07D 261 /-</u></b> | 2018348161                | 2020213316               | <b><u>C08B 37 /-</u></b>  |
| 2016269247                | <b><u>C07C 233 /-</u></b> | 2019261667                | <b><u>C07D 487 /-</u></b> | <b><u>C07J 51 /-</u></b> | 2016347048                |
| 2016357683                | 2018327170                | <b><u>C07D 265 /-</u></b> | 2016328692                | 2016235298               | <b><u>C08F 2 /-</u></b>   |
| 2017231097                | 2019268209                | 2015237788                | 2016389434                | 2016377702               | 2017221031                |
| 2019201214                | <b><u>C07C 237 /-</u></b> | <b><u>C07D 277 /-</u></b> | 2017364308                | 2020213316               | <b><u>C08F 4 /-</u></b>   |
| <b><u>C02F 103 /-</u></b> | 2015237788                | 2017275603                | 2018369508                | <b><u>C07K 1 /-</u></b>  | 2018394851                |
| 2019201214                | 2016219041                | <b><u>C07D 305 /-</u></b> | <b><u>C07D 491 /-</u></b> | 2016358324               | <b><u>C08G 59 /-</u></b>  |
| <b><u>C02F 11 /-</u></b>  | <b><u>C07C 311 /-</u></b> | 2016358324                | 2018327170                | <b><u>C07K 14 /-</u></b> | 2016314765                |
| 2016269247                | 2015237788                | <b><u>C07D 307 /-</u></b> | <b><u>C07D 493 /-</u></b> | 2015268149               | <b><u>C08G 65 /-</u></b>  |
| <b><u>C02F 5 /-</u></b>   | <b><u>C07C 317 /-</u></b> | 2016306694                | 2016383645                | 2015308527               | 2016314765                |
| 2016362407                | 2015237788                | <b><u>C07D 311 /-</u></b> | <b><u>C07D 495 /-</u></b> | 2015317608               | <b><u>C08G 81 /-</u></b>  |
| <b><u>C02F 9 /-</u></b>   | <b><u>C07C 323 /-</u></b> | 2015237788                | 2016383645                | 2015323936               | 2015249059                |
| 2017231097                | 2016305299                | <b><u>C07D 335 /-</u></b> | 2017262155                | 2015341481               | <b><u>C08J 3 /-</u></b>   |
| <b><u>C03C 3 /-</u></b>   | <b><u>C07C 43 /-</u></b>  | 2015237788                | <b><u>C07D 498 /-</u></b> | 2016252027               | 2017247030                |
| 2016362407                | 2016358324                | <b><u>C07D 401 /-</u></b> | 2016304737                | 2016283102               | <b><u>C08J 5 /-</u></b>   |
| <b><u>C04B 14 /-</u></b>  | <b><u>C07C 51 /-</u></b>  | 2016320892                | <b><u>C07F 7 /-</u></b>   | 2016286108               | 2016302931                |
| 2016240407                | 2017325040                | 2016328693                | 2016320892                | 2016314372               | 2016380252                |
| <b><u>C04B 16 /-</u></b>  | <b><u>C07C 55 /-</u></b>  | 2017268006                | <b><u>C07F 9 /-</u></b>   | 2016358324               | 2017221031                |
| 2016240407                | 2017325040                | 2017324723                | 2016305299                | 2017207906               | <b><u>C08J 7 /-</u></b>   |
| <b><u>C04B 22 /-</u></b>  | <b><u>C07C 67 /-</u></b>  | 2019204121                | <b><u>C07H 15 /-</u></b>  | 2017311699               | 2016380252                |
| 2017277077                | 2016316229                | <b><u>C07D 403 /-</u></b> | 2016314379                | 2018205190               | <b><u>C08J 9 /-</u></b>   |
| <b><u>C04B 24 /-</u></b>  | <b><u>C07C 69 /-</u></b>  | 2016328693                | 2016358324                | 2018244592               | 2019246910                |
| 2017246238                | 2016316229                | 2016358242                | <b><u>C07H 19 /-</u></b>  | 2019202245               | <b><u>C08K 3 /-</u></b>   |
| 2017277077                | <b><u>C07D 207 /-</u></b> | 2020202000                | 2015370004                | 2019203042               | 2016329903                |
| <b><u>C04B 28 /-</u></b>  | 2015237788                | <b><u>C07D 407 /-</u></b> | <b><u>C07H 21 /-</u></b>  | 2015301126               | 2017247030                |
| 2017277077                | 2019268209                | 2016383645                | 2017287536                | 2015308527               | <b><u>C08K 7 /-</u></b>   |
| <b><u>C04B 40 /-</u></b>  | <b><u>C07D 209 /-</u></b> | <b><u>C07D 409 /-</u></b> | <b><u>C07J 1 /-</u></b>   | 2015317608               | 2017247030                |
| 2017246238                | 2017324723                | 2016358242                | 2016377702                | 2015333590               | <b><u>C08K 9 /-</u></b>   |
| <b><u>C04B 41 /-</u></b>  | <b><u>C07D 215 /-</u></b> | 2017324723                | <b><u>C07J 17 /-</u></b>  | 2016283102               | 2016329903                |
| 2017246238                | 2016320892                | <b><u>C07D 413 /-</u></b> | 2020213316                | 2017229370               | <b><u>C08L 1 /-</u></b>   |
| <b><u>C07B 59 /-</u></b>  | 2019222862                | 2016308189                | <b><u>C07J 3 /-</u></b>   | 2018249796               | 2015249059                |
| 2019222862                | <b><u>C07D 221 /-</u></b> | 2016358242                | 2016235298                | 2018271836               | <b><u>C08L 101 /-</u></b> |
| <b><u>C07B 61 /-</u></b>  | 2016320892                | 2019261667                | <b><u>C07J 31 /-</u></b>  | 2018290898               | 2015249059                |
| 2016316229                | <b><u>C07D 237 /-</u></b> | <b><u>C07D 417 /-</u></b> | 2016377702                | 2018327170               | <b><u>C08L 23 /-</u></b>  |
| 2018327170                | 2019204121                | 2016358242                | <b><u>C07J 33 /-</u></b>  | 2019202245               | 2015249059                |
|                           |                           | 2017275603                | 2016377702                | 2019203042               |                           |
|                           |                           | 2018209271                |                           |                          |                           |
|                           |                           |                           | 2016377702                |                          |                           |

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| <b><u>C08L 29 /-</u></b>  | <b><u>C10G 1 /-</u></b>  | 2015341481<br>2016283102<br>2019202245   | <b><u>C23G 5 /-</u></b>  | <b><u>E02B 3 /-</u></b>  | <b><u>E06C 9 /-</u></b>                |
| 2016347048                | 2017216346   |  | 2017246238               | 2017356342               | 2016207839                             |
| <b><u>C08L 31 /-</u></b>  | <b><u>C10G 3 /-</u></b>  | <b><u>C12N 9 /-</u></b>  | <b><u>C40B 30 /-</u></b> | <b><u>E02B 9 /-</u></b>  | <b><u>E21B 10 /-</u></b>               |
| 2016347048                | 2017216346   | 2014370416<br>2015268149<br>2015363113<br>2016305299<br>2017266397<br>2017315677   | 2019203813               | 2017356342               | 2016209731<br>2019200877               |
| <b><u>C08L 5 /-</u></b>   | <b><u>C10G 45 /-</u></b>   |  | <b><u>C40B 40 /-</u></b> | <b><u>E02F 3 /-</u></b>  | <b><u>E21B 17 /-</u></b>               |
| 2016347048                | 2017216346   |  | 2015287749<br>2016358324 | 2016201613               | 2019200877                             |
| <b><u>C08L 63 /-</u></b>  | <b><u>C10L 1 /-</u></b>  | <b><u>C12P 1 /-</u></b>  | <b><u>D01D 1 /-</u></b>  | <b><u>E02F 9 /-</u></b>  | <b><u>E21B 21 /-</u></b>               |
| 2016240407                | 2017216346<br>2019219869   | 2015249059   | 2019279967               | 2016201613               | 2016269247<br>2018269351<br>2018404625 |
| <b><u>C08L 71 /-</u></b>  | <b><u>C10L 3 /-</u></b>  | <b><u>C12P 19 /-</u></b>   | <b><u>D01F 1 /-</u></b>  | <b><u>E04B 1 /-</u></b>  |  |
| 2016380252                | 2019202815   | 2016211632   | 2017247030<br>2019279967 | 2019206026               | <b><u>E21B 33 /-</u></b>               |
| <b><u>C08L 95 /-</u></b>  | <b><u>C10M 105 /-</u></b>  | <b><u>C12P 21 /-</u></b>   | <b><u>D01F 2 /-</u></b>  | <b><u>E04B 5 /-</u></b>  | 2015410225<br>2018269351               |
| 2017246238                | 2017246238   | 2015286165<br>2017315677<br>2019203813   | 2019279967               | 2019206026               | <b><u>E21B 34 /-</u></b>               |
| <b><u>C09C 1 /-</u></b>   | <b><u>C11C 3 /-</u></b>  | <b><u>C12Q 1 /-</u></b>  | <b><u>D06N 7 /-</u></b>  | <b><u>E04B 9 /-</u></b>  | 2015203173                             |
| 2016329903                | 2017246238   | 2015208919<br>2015263901<br>2015323936<br>2016211632<br>2016249784<br>2017207906<br>2019201493<br>2019202245<br>2020204035 | 2018249356               | 2015203173               | 2015410225<br>2018269351               |
| <b><u>C09D 105 /-</u></b> | <b><u>C11D 1 /-</u></b>  |  | <b><u>D06P 5 /-</u></b>  | <b><u>E04C 2 /-</u></b>  | <b><u>E21B 36 /-</u></b>               |
| 2016347048                | 2017246238   |  | 2016347048               | 2019232854               | 2016292743                             |
| <b><u>C09D 129 /-</u></b> | <b><u>C11D 7 /-</u></b>  |  | <b><u>D21F 1 /-</u></b>  | <b><u>E04G 21 /-</u></b> | <b><u>E21B 4 /-</u></b>                |
| 2016347048                | 2015353728   |  | 2015353728               | 2016314035<br>2019202661 | 2019200877                             |
| <b><u>C09D 131 /-</u></b> | <b><u>C12M 1 /-</u></b>  | <b><u>C12R 1 /-</u></b>  | <b><u>D21H 11 /-</u></b> | <b><u>E04G 5 /-</u></b>  | <b><u>E21B 41 /-</u></b>               |
| 2016347048                | 2016281433<br>2020233639   | 2014367412<br>2019210497   | 2017247615<br>2019257454 | 2019202661               | 2019200877                             |
| <b><u>C09D 163 /-</u></b> | <b><u>C12M 3 /-</u></b>  | <b><u>C22B 11 /-</u></b>   | <b><u>D21H 15 /-</u></b> | <b><u>E04H 4 /-</u></b>  | <b><u>E21B 43 /-</u></b>               |
| 2016240407                | 2016281433   | 2016228967   | 2017288916               | 2017356342               | 2015414721<br>2018269351<br>2019283850 |
| <b><u>C09D 5 /-</u></b>   | <b><u>C12N 1 /-</u></b>  | <b><u>C22B 15 /-</u></b>   | <b><u>D21H 17 /-</u></b> | <b><u>E05B 15 /-</u></b> | <b><u>E21B 44 /-</u></b>               |
| 2016240407                | 2019210497   | 2016228967   | 2019257454               | 2018360239               | 2019283850                             |
| <b><u>C09J 11 /-</u></b>  | <b><u>C12N 15 /-</u></b>   | <b><u>C22B 3 /-</u></b>  | <b><u>D21H 19 /-</u></b> | <b><u>E05B 17 /-</u></b> | <b><u>E21B 47 /-</u></b>               |
| 2018394851                | 2014345581<br>2014370516<br>2014370829<br>2015279248<br>2015286165<br>2015323936<br>2015363113<br>2016205215<br>2016252027<br>2017207906<br>2017287536<br>2017311699<br>2018205190<br>2018249796<br>2018271388<br>2019203042 | 2016228967   | 2016347048<br>2019257454 | 2017422561               | 2019283850                             |
| <b><u>C09J 175 /-</u></b> |  | <b><u>C22C 18 /-</u></b>   | <b><u>D21H 21 /-</u></b> | <b><u>E05B 47 /-</u></b> | <b><u>E21B 47 /-</u></b>               |
| 2018249158                |  | 2018211811   | 2016347048<br>2017288916 | 2018360239               | 2015410225<br>2018313298               |
| <b><u>C09J 201 /-</u></b> |  | <b><u>C22C 38 /-</u></b>   | <b><u>D21H 27 /-</u></b> | <b><u>E05B 51 /-</u></b> | <b><u>E21B 49 /-</u></b>               |
| 2018249158                |  | 2018211811   | 2017247615<br>2017288916 | 2019280060               | 2018313298                             |
| <b><u>C09J 4 /-</u></b>   |  | <b><u>C23C 2 /-</u></b>  | <b><u>E01B 9 /-</u></b>  | <b><u>E05B 67 /-</u></b> | <b><u>E21B 7 /-</u></b>                |
| 2016226553<br>2018394851  |  | 2018211811   | 2019203702               | 2017422561               | 2016209731<br>2019200877               |
| <b><u>C09K 5 /-</u></b>   |  | <b><u>C23C 22 /-</u></b>   | <b><u>E02B 1 /-</u></b>  | <b><u>E05F 3 /-</u></b>  | <b><u>E21C 41 /-</u></b>               |
| 2019268076<br>2020200862  |  | 2016240407   | 2017356342               | 2015258169               | 2020200960                             |
| <b><u>C09K 8 /-</u></b>   | <b><u>C12N 5 /-</u></b>  | <b><u>C23F 11 /-</u></b>   |                          | <b><u>E06B 1 /-</u></b>  | <b><u>E21F 11 /-</u></b>               |
| 2015414721<br>2016362407  | 2014351797<br>2014370516<br>2014386209<br>2014407540   | 2016240407   |                          | 2016312973               | 2017410433                             |
|                           |  |  |                          | <b><u>E06B 9 /-</u></b>  | <b><u>E21F 13 /-</u></b>               |
|                           |  |  |                          | 2016222264               |  |

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|                          |                          |                           |                          |                          |                          |
|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| 2018427246               | 2017309628               | <b><u>F21Y 105 /-</u></b> |                          | <b><u>G01L 1 /-</u></b>  | 2019315032               |
| <b><u>F01C 1 /-</u></b>  | <b><u>F16K 31 /-</u></b> | 2016230918                | <b><u>F25D 25 /-</u></b> | 2019218510               | <b><u>G01V 15 /-</u></b> |
| 2019225277               | 2019226301               | <b><u>F21Y 115 /-</u></b> | 2018401068               | <b><u>G01L 9 /-</u></b>  | 2016267547               |
| 2019225278               | <b><u>F16K 7 /-</u></b>  | 2016230918                | <b><u>F25D 29 /-</u></b> | 2020202464               | <b><u>G01W 1 /-</u></b>  |
| <b><u>F01D 19 /-</u></b> | 2016306004               | <b><u>F24C 15 /-</u></b>  | 2018401068               | <b><u>G01M 7 /-</u></b>  | 2016257208               |
| 2018353933               | <b><u>F16L 11 /-</u></b> | 2016218046                | <b><u>F25D 31 /-</u></b> | 2016219639               | <b><u>G02B 1 /-</u></b>  |
| <b><u>F01K 23 /-</u></b> | 2016305125               | <b><u>F24C 7 /-</u></b>   | 2019210604               | <b><u>G01M 9 /-</u></b>  | 2016229066               |
| 2019268076               | <b><u>F16L 21 /-</u></b> | 2016218046                | <b><u>F25J 1 /-</u></b>  | 2018291034               | 2017278099               |
| <b><u>F01K 25 /-</u></b> | 2018278815               | <b><u>F24D 3 /-</u></b>   | 2019202815               | <b><u>G01N 1 /-</u></b>  | <b><u>G02B 5 /-</u></b>  |
| 2019200317               | <b><u>F16L 25 /-</u></b> | 2019232854                | <b><u>F28D 7 /-</u></b>  | 2017367203               | 2017278099               |
| 2019268076               | 2018278815               | <b><u>F24F 1 /-</u></b>   | 2019200317               | 2018374382               | <b><u>G02C 7 /-</u></b>  |
| <b><u>F01M 11 /-</u></b> | <b><u>F16L 27 /-</u></b> | 2018271456                | <b><u>F41A 19 /-</u></b> | 2019217663               | 2019202732               |
| 2020203320               | 2016259295               | <b><u>F24F 11 /-</u></b>  | 2019203340               | 2019275592               | <b><u>G02F 1 /-</u></b>  |
| <b><u>F02B 75 /-</u></b> | <b><u>F16L 37 /-</u></b> | 2018306059                | <b><u>F42B 12 /-</u></b> | <b><u>G01N 15 /-</u></b> | <b><u>G02F 1 /-</u></b>  |
| 2020203320               | 2018236704               | <b><u>F24F 110 /-</u></b> | 2016277073               | 2017330290               | 2017278099               |
| <b><u>F04B 53 /-</u></b> | <b><u>F16L 5 /-</u></b>  | 2018306059                | <b><u>F42B 33 /-</u></b> | <b><u>G01N 21 /-</u></b> | 2017411621               |
| 2017309628               | 2016303790               | <b><u>F24F 120 /-</u></b> | 2016257019               | 2015327741               | <b><u>G05B 19 /-</u></b> |
| <b><u>F04C 18 /-</u></b> | <b><u>F16L 51 /-</u></b> | 2018306059                | <b><u>F42B 7 /-</u></b>  | 2017367203               | 2016323028               |
| 2019225277               | 2016259295               | <b><u>F24F 13 /-</u></b>  | 2016267547               | 2019217663               | <b><u>G05D 1 /-</u></b>  |
| 2019225278               | <b><u>F16L 53 /-</u></b> | 2018271456                | <b><u>F42D 1 /-</u></b>  | <b><u>G01N 23 /-</u></b> | 2019207581               |
| <b><u>F04D 13 /-</u></b> | 2016305125               | <b><u>F24F 130 /-</u></b> | 2019284159               | 2019217663               | <b><u>G05D 3 /-</u></b>  |
| 2016292743               | 2016305125               | <b><u>F24F 130 /-</u></b> | <b><u>F42D 3 /-</u></b>  | <b><u>G01N 27 /-</u></b> | 2016201613               |
| <b><u>F04D 25 /-</u></b> | 2018417114               | <b><u>F25B 1 /-</u></b>   | 2018313298               | 2019222936               | <b><u>G06F 11 /-</u></b> |
| 2016292743               | <b><u>F16L 55 /-</u></b> | 2018306059                | <b><u>G01B 11 /-</u></b> | <b><u>G01N 30 /-</u></b> | 2017327823               |
| <b><u>F04D 29 /-</u></b> | 2017424996               | 2020200862                | 2016275789               | 2019200368               | <b><u>G06F 15 /-</u></b> |
| 2016292743               | <b><u>F16P 3 /-</u></b>  | <b><u>F25B 13 /-</u></b>  | 2016297551               | <b><u>G01N 33 /-</u></b> | 2015298291               |
| <b><u>F04D 35 /-</u></b> | 2019280060               | 2017434397                | 2016381105               | 2015287749               | <b><u>G06F 16 /-</u></b> |
| 2017356342               | <b><u>F17D 1 /-</u></b>  | <b><u>F25B 29 /-</u></b>  | <b><u>G01C 7 /-</u></b>  | 2015289124               | 2017431351               |
| <b><u>F15D 1 /-</u></b>  | 2018417114               | 2017434397                | 2020200960               | 2016235298               | <b><u>G06F 17 /-</u></b> |
| 2017356342               | 2019226301               | <b><u>F25B 41 /-</u></b>  | <b><u>G01F 15 /-</u></b> | 2017207906               | <b><u>G06F 17 /-</u></b> |
| <b><u>F16C 17 /-</u></b> | <b><u>F21S 8 /-</u></b>  | 2017434397                | <b><u>G01G 11 /-</u></b> | 2017229370               | <b><u>G06F 17 /-</u></b> |
| 2017268318               | 2015203173               | <b><u>F25B 49 /-</u></b>  | 2016259295               | 2017367203               | 2015213372               |
| <b><u>F16C 32 /-</u></b> | 2016230918               | 2017434397                | <b><u>G01G 11 /-</u></b> | 2018246554               | 2015213372               |
| 2017268318               | <b><u>F21V 17 /-</u></b> | <b><u>F25C 1 /-</u></b>   | <b><u>G01G 19 /-</u></b> | 2019200368               | <b><u>G06F 21 /-</u></b> |
| <b><u>F16C 33 /-</u></b> | 2016230918               | 2019210604                | 2017249591               | 2019202245               | <b><u>G06F 21 /-</u></b> |
| 2017268318               | <b><u>F21V 21 /-</u></b> | <b><u>F25D 11 /-</u></b>  | <b><u>G01J 1 /-</u></b>  | 2019217663               | 2019204729               |
| 2018215129               | 2015203173               | 2019385786                | 2018269000               | 2019232867               | <b><u>G06F 3 /-</u></b>  |
| <b><u>F16H 57 /-</u></b> | <b><u>F21V 23 /-</u></b> | <b><u>F25D 23 /-</u></b>  | <b><u>G01J 3 /-</u></b>  | <b><u>G01N 35 /-</u></b> | <b><u>G06F 3 /-</u></b>  |
| 2018243116               | 2016230918               | 2018219352                | 2015327741               | 2018374382               | 2015298291               |
| <b><u>F16K 15 /-</u></b> |                          | 2019210604                |                          | 2020233639               | 2016218381               |
|                          |                          |                           |                          | 2017249591               | 2017399473               |
|                          |                          |                           |                          | 2017249591               | 2017417613               |
|                          |                          |                           |                          | <b><u>G01P 5 /-</u></b>  | 2019200732               |
|                          |                          |                           |                          | 2016387414               | 2019203626               |
|                          |                          |                           |                          | <b><u>G01S 15 /-</u></b> | 2019268123               |
|                          |                          |                           |                          | 2016387414               | 2020200397               |
|                          |                          |                           |                          | <b><u>G01S 5 /-</u></b>  | <b><u>G06F 40 /-</u></b> |
|                          |                          |                           |                          |                          | 2019200732               |

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| <b><u>G06F 9 /-</u></b>  | 2016236832               | <b><u>H02M 7 /-</u></b>  | <b><u>H04N 1 /-</u></b>  | 2020200074               |
| 2017327823               | <b><u>G10K 15 /-</u></b> | 2018281528               | 2015288188               | <b><u>H04W 92 /-</u></b> |
| 2018359380               | 2016278510               | <b><u>H02S 30 /-</u></b> | <b><u>H04N 19 /-</u></b> | 2019271960               |
| <b><u>G06K 19 /-</u></b> | <b><u>G10L 21 /-</u></b> | 2016248560               | 2017238084               | <b><u>H05K 5 /-</u></b>  |
| 2016267547               | 2018351031               | <b><u>H03B 1 /-</u></b>  | <b><u>H04N 21 /-</u></b> | 2018406335               |
| 2017420711               | 2018353495               | 2016362319               | 2016277657               | <b><u>H05K 7 /-</u></b>  |
| <b><u>G06K 9 /-</u></b>  | <b><u>G16C 10 /-</u></b> | <b><u>H03G 7 /-</u></b>  | 2019206298               | 2018381805               |
| 2015288188               | 2017330290               | 2018253130               | 2019268123               |                          |
| 2020239783               | <b><u>G16Z 99 /-</u></b> | <b><u>H03K 19 /-</u></b> | <b><u>H04N 5 /-</u></b>  |                          |
| <b><u>G06N 10 /-</u></b> | 2017330290               | 2019213569               | 2018395952               |                          |
| 2019213569               | <b><u>H01H 9 /-</u></b>  | <b><u>H04B 1 /-</u></b>  | 2019275236               |                          |
| <b><u>G06N 3 /-</u></b>  | 2018308486               | 2019312061               | <b><u>H04N 7 /-</u></b>  |                          |
| 2018313298               | <b><u>H01L 27 /-</u></b> | <b><u>H04H 20 /-</u></b> | 2020203130               |                          |
| <b><u>G06Q 20 /-</u></b> | 2016321669               | 2019201490               | <b><u>H04R 25 /-</u></b> |                          |
| 2017370938               | <b><u>H01L 51 /-</u></b> | <b><u>H04L 1 /-</u></b>  | 2016354893               |                          |
| <b><u>G06Q 30 /-</u></b> | 2016383645               | 2017336331               | <b><u>H04W 12 /-</u></b> |                          |
| 2018230074               | <b><u>H01M 10 /-</u></b> | <b><u>H04L 12 /-</u></b> | 2019270826               |                          |
| <b><u>G06Q 50 /-</u></b> | 2018218614               | 2019270826               | 2020200074               |                          |
| 2017399473               | <b><u>H01M 4 /-</u></b>  | 2019270881               | <b><u>H04W 36 /-</u></b> |                          |
| 2018261253               | 2018297173               | 2021200789               | 2019271960               |                          |
| 2019280060               | <b><u>H01R 13 /-</u></b> | <b><u>H04L 25 /-</u></b> | <b><u>H04W 4 /-</u></b>  |                          |
| <b><u>G06T 17 /-</u></b> | 2015203122               | 2017212313               | 2018261253               |                          |
| 2016251830               | <b><u>H01T 23 /-</u></b> | <b><u>H04L 29 /-</u></b> | 2019270826               |                          |
| <b><u>G06T 7 /-</u></b>  | 2018301556               | 2016256803               | 2020200074               |                          |
| 2019275236               | <b><u>H02J 3 /-</u></b>  | 2019206298               | 2020201997               |                          |
| <b><u>G07F 13 /-</u></b> | 2016380289               | 2019270881               | <b><u>H04W 48 /-</u></b> |                          |
| 2016322661               | 2016430166               | <b><u>H04L 5 /-</u></b>  | 2018417124               |                          |
| 2018219352               | 2018281528               | 2016325251               | 2019271960               |                          |
| <b><u>G08B 13 /-</u></b> | 2018353933               | 2016386105               | 2019312061               |                          |
| 2015324386               | 2018396279               | 2017212313               | <b><u>H04W 56 /-</u></b> |                          |
| <b><u>G08B 25 /-</u></b> | 2019201205               | 2017366081               | 2018276459               |                          |
| 2019238961               | 2019216583               | <b><u>H04L 7 /-</u></b>  | <b><u>H04W 60 /-</u></b> |                          |
| <b><u>G08B 3 /-</u></b>  | <b><u>H02J 7 /-</u></b>  | 2016325251               | 2019270826               |                          |
| 2016275789               | 2018218614               | 2018276459               | <b><u>H04W 72 /-</u></b> |                          |
| <b><u>G08B 6 /-</u></b>  | 2018401068               | <b><u>H04L 9 /-</u></b>  | 2018401508               |                          |
| 2016275789               | 2018437253               | 2019240671               | 2018417124               |                          |
| <b><u>G08G 5 /-</u></b>  | 2019201205               | 2019270881               | <b><u>H04W 76 /-</u></b> |                          |
| 2016257208               | <b><u>H02K 3 /-</u></b>  | <b><u>H04M 1 /-</u></b>  | 2017398610               |                          |
| <b><u>G09G 5 /-</u></b>  | 2016329080               | 2017399473               | 2019312061               |                          |
| 2015288188               | <b><u>H02K 7 /-</u></b>  | 2019203626               | <b><u>H04W 84 /-</u></b> |                          |
| <b><u>G10D 3 /-</u></b>  | 2017268318               | 2019312061               | 2019271960               |                          |
|                          | <b><u>H02K 9 /-</u></b>  | <b><u>H04M 3 /-</u></b>  | <b><u>H04W 88 /-</u></b> |                          |
|                          | 2016329080               | 2020201997               | 2018417124               |                          |
|                          |                          |                          | 2019312061               |                          |

**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) Alvotech hf  
 (11) AU-B-2020102677  
 (21) 2020102677 (22) 12.10.2020  
 (54) Pharmaceutical formulations for adalimumab  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
 (45) 11.03.2021  
 (62) 2018336826  
 (72) BACHMANN, Gudrun; EDWALD, Elin  
 (74) Pearce IP Pty Ltd
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- (71) Bennet, S.  
 (11) AU-B-2020101457  
 (21) 2020101457 (22) 23.07.2020  
 (54) PAYLOAD DELIVERY SYSTEM  
 (51) Int. Cl.  
*B64D 9/00* ( 2006.01 )  
*B64C 1/22* ( 2006.01 )  
*B64C 39/02* ( 2006.01 )  
 (45) 11.03.2021  
 (72) Bennet, Samuel James  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Cyplex Pty Ltd  
 (11) AU-B-2020100638  
 (21) 2020100638 (22) 27.04.2020  
 (54) A bracket for attaching a signage post to a display structure  
 (51) Int. Cl.  
*G09F 7/18* ( 2006.01 )  
 (45) 11.03.2021  
 (72) Sulaiman, James  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) Jusand Nominees Pty Ltd  
 (11) AU-B-2020103956  
 (21) 2020103956 (22) 08.12.2020  
 (54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE  
 (51) Int. Cl.  
*E21B 17/00* ( 2006.01 )  
*E21D 20/00* ( 2006.01 )  
*E21D 21/00* ( 2006.01 )  
 (45) 11.03.2021  
 (62) 2016354676  
 (72) NOONAN, Gerry  
 (74) WRAYS PTY LTD
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- (71) Kilmallock (ACT) Pty Ltd  
 (11) AU-B-2018102076  
 (21) 2018102076 (22) 17.12.2018  
 (54) Curtain Blind for Blind-type Curtain  
 (51) Int. Cl.
- 
- A47H 13/00* ( 2006.01 )  
*A47H 15/00* ( 2006.01 )  
*A47H 23/04* ( 2006.01 )  
*E06B 9/36* ( 2006.01 )  
 (45) 11.03.2021  
 (62) 2015101931  
 (72) Kim, Sung Chul  
 (74) MEYER WEST IP PTY LTD
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- (71) Kilmallock (ACT) Pty Ltd  
 (11) AU-B-2018102077  
 (21) 2018102077 (22) 17.12.2018  
 (54) Blind-type Curtain  
 (51) Int. Cl.  
*A47H 13/00* ( 2006.01 )  
*A47H 15/00* ( 2006.01 )  
*A47H 23/04* ( 2006.01 )  
*E06B 9/36* ( 2006.01 )  
 (45) 11.03.2021  
 (62) 2015101931  
 (72) Kim, Sung Chul  
 (74) MEYER WEST IP PTY LTD

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**2018102076** Kilmallock (ACT) Pty Ltd  
**2018102077** Kilmallock (ACT) Pty Ltd  
**2020100638** Cyplex Pty Ltd  
**2020101457** Bennet, S.  
**2020102677** Alvotech hf  
**2020103956** Jusand Nominees Pty Ltd

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**A47H 13 /-**

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2018102077

**A61K 39 /-**

2020102677

**B64C 1 /-**

2020101457

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**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2014256876 | 2014303443 | 2014308558 | 2014308648 |
| 2014348306 | 2014349817 | 2014385801 | 2014399975 |
| 2015205805 | 2015218082 | 2015224847 | 2015226203 |
| 2015230771 | 2015231155 | 2015233244 | 2015245469 |
| 2015253231 | 2015255193 | 2015261560 | 2015263835 |
| 2015265893 | 2015274195 | 2015274338 | 2015275237 |
| 2015282443 | 2015283954 | 2015292272 | 2015292755 |
| 2015301620 | 2015303921 | 2015309175 | 2015311761 |
| 2015320511 | 2015326429 | 2015328014 | 2015338896 |
| 2015340109 | 2015349605 | 2015355078 | 2015359137 |
| 2015362772 | 2015398977 | 2015413364 | 2015414016 |
| 2015414720 | 2016200928 | 2016200996 | 2016201565 |
| 2016202384 | 2016202587 | 2016205275 | 2016211209 |
| 2016211438 | 2016211682 | 2016212997 | 2016213804 |
| 2016215184 | 2016215624 | 2016216829 | 2016219511 |
| 2016228080 | 2016228620 | 2016233150 | 2016237322 |
| 2016243660 | 2016244004 | 2016246426 | 2016249380 |
| 2016249637 | 2016249851 | 2016252388 | 2016256383 |
| 2016256479 | 2016260324 | 2016263512 | 2016269886 |
| 2016270677 | 2016270979 | 2016272537 | 2016274770 |
| 2016277188 | 2016278746 | 2016280365 | 2016282673 |
| 2016287069 | 2016289631 | 2016289735 | 2016290836 |
| 2016297249 | 2016298565 | 2016305298 | 2016307752 |
| 2016307928 | 2016308748 | 2016312293 | 2016315589 |
| 2016319288 | 2016320844 | 2016323017 | 2016333898 |
| 2016337528 | 2016343296 | 2016349382 | 2016354540 |
| 2016355920 | 2016364469 | 2016365336 | 2016365753 |
| 2016368390 | 2016368837 | 2016378362 | 2016381095 |
| 2016426314 | 2017202221 | 2017202612 | 2017208194 |
| 2017208385 | 2017219470 | 2017224165 | 2017227802 |
| 2017227932 | 2017255935 | 2017257713 | 2017263178 |
| 2017295478 | 2017302833 | 2017316290 | 2017318674 |
| 2017324724 | 2017326009 | 2017330183 | 2017334746 |
| 2017335310 | 2017336924 | 2017337129 | 2017337763 |
| 2017344205 | 2017354298 | 2017356825 | 2017367714 |
| 2017379059 | 2017379849 | 2017384896 | 2017417167 |
| 2017426936 | 2017430067 | 2018200106 | 2018201370 |
| 2018203045 | 2018211774 | 2018218643 | 2018229510 |
| 2018230893 | 2018232936 | 2018238179 | 2018245143 |
| 2018247231 | 2018250112 | 2018256247 | 2018257486 |
| 2018261579 | 2018261609 | 2018273522 | 2018274909 |
| 2018274997 | 2018278958 | 2018279782 | 2018282300 |
| 2018284449 | 2018285004 | 2018294140 | 2018307322 |
| 2018313989 | 2018318693 | 2018334541 | 2018342118 |
| 2018350843 | 2018364956 | 2018367653 | 2018367884 |
| 2018391121 | 2018409644 | 2019200017 | 2019200469 |
| 2019200507 | 2019200643 | 2019200740 | 2019200819 |
| 2019200943 | 2019200947 | 2019201111 | 2019201387 |
| 2019201420 | 2019201461 | 2019201776 | 2019202432 |
| 2019202466 | 2019202573 | 2019203119 | 2019203290 |
| 2019203349 | 2019203611 | 2019203750 | 2019203903 |
| 2019203941 | 2019203969 | 2019204015 | 2019204075 |
| 2019204317 | 2019204934 | 2019206044 | 2019206117 |
| 2019208216 | 2019208255 | 2019210597 | 2019219762 |
| 2019222802 | 2019222845 | 2019229395 | 2019231692 |
| 2019232675 | 2019232774 | 2019233842 | 2019236718 |
| 2019250160 | 2019250805 | 2019257353 | 2019257439 |
| 2019260952 | 2019264665 | 2019283899 | 2019284051 |
| 2019296505 | 2019302560 | 2019360356 | 2019379869 |
| 2020200013 | 2020200172 | 2020200685 | 2020200692 |
| 2020200922 | 2020202236 | 2020207830 | 2020244476 |
| 2020244497 | 2020250289 | 2020256472 |            |

**Innovation Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2016102455 | 2020102992 | 2020103747 | 2020103827 |
| 2020104188 | 2020104201 | 2020104202 | 2020104203 |
| 2020104204 | 2020104205 | 2020104206 | 2020104207 |

**Patents Granted**

**Innovation Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2020104208 | 2020104211 | 2020104212 | 2020104213 |
| 2020104214 | 2020104216 | 2020104217 | 2020104218 |
| 2020104219 | 2020104220 | 2020104222 | 2020104223 |
| 2020104224 | 2020104225 | 2020104226 | 2020104227 |
| 2020104228 | 2020104229 | 2020104230 | 2020104231 |
| 2020104232 | 2020104233 | 2020104234 | 2020104235 |
| 2020104236 | 2020104237 | 2020104238 | 2020104239 |
| 2020104240 | 2020104241 | 2020104243 | 2020104244 |
| 2020104245 | 2020104246 | 2020104247 | 2020104248 |
| 2020104251 | 2020104252 | 2020104253 | 2020104254 |
| 2020104255 | 2020104256 | 2020104257 | 2020104258 |
| 2020104259 | 2020104260 | 2020104261 | 2020104262 |
| 2020104263 | 2020104264 | 2020104265 | 2020104266 |
| 2020104267 | 2020104268 | 2020104269 | 2020104270 |
| 2020104271 | 2020104272 | 2020104274 | 2020104275 |
| 2020104277 | 2020104279 | 2020104280 | 2020104284 |
| 2020104285 | 2020104286 | 2020104287 | 2020104288 |
| 2020104289 | 2020104290 | 2020104291 | 2020104292 |
| 2020104293 | 2020104294 | 2020104295 | 2020104296 |
| 2020104297 | 2020104306 |            |            |

**Revocation**

It is hereby notified that as a consequence of a decision by the Commissioner dated 24.02.2021, Patent 2004243789 in the name of **Grasslanz Technology Limited** has been revoked in relation to a re-examination and subsequent revocation under Section 101(2)(a) of the Patents Act.

It is hereby notified that as a consequence of a decision by the Commissioner dated 25.02.2021, Patent 2008200775 in the name of **Grasslanz Technology Limited** has been revoked in relation to a re-examination and subsequent revocation under Section 101(2)(a) of the Patents Act.

**Assignments Registered**

|            |   |  |
|------------|---|--|
| 2002252970 | Force Technology  | The patent has been assigned to <b>Sanovo Biosecurity A/S</b>  |
| 2004269968 | BDD Development ApS   | The patent has been assigned to <b>Omega Pharma Innovation &amp; Development NV</b>                  |
| 2005270587 | Force Technology  | The patent has been assigned to <b>Sanovo Biosecurity A/S</b>  |
| 2008200279 | The Nielsen Company (US), LLC   | The patent has been assigned to <b>Nielsen Consumer LLC</b>  |
| 2009212733 | The Nielsen Company (US), LLC   | The patent has been assigned to <b>Nielsen Consumer LLC</b>  |
| 2009223958 | The Technology Partnership Plc  | The patent has been assigned to <b>TTP Ventus Limited</b>  |
| 2009258745 | Shiseido Company, Ltd.  | The patent has been assigned to <b>Fuji Kasei Co., Ltd.</b>  |
| 2009284119 | FORCE TECHNOLOGY  | The patent has been assigned to <b>Sanovo Biosecurity A/S</b>  |
| 2009316588 | LifeCell Corporation  | The patent has been assigned to <b>Stout Medical Group, L.P.</b>                                     |
| 2011283157 | Stevenson, Michael  | The patent has been assigned to <b>The Michael and Kathleen Stevenson Family Limited Partnership</b> |
| 2012238470 | Northwood Medical Innovation Limited  | The patent has been assigned to <b>Allergan Limited</b>  |
| 2012260715 | Centre National De La Recherche Scientifique (C.N.R.S.); Universite Joseph Fourier (Grenoble 1) | The patent has   |



**Assignments Registered**

been assigned to **Centre National de la Recherche Scientifique (C.N.R.S.); Université Grenoble Alpes**

2013273825 The Nielsen Company (US), LLC The patent has been assigned to **Nielsen Consumer LLC**

2013327379 SensAbility Pty Ltd The patent has been assigned to **Breville Pty Limited**

2013332924 Hitachi, Ltd. The patent has been assigned to **Hitachi Construction Machinery Co., Ltd.**

2014220377 Kyorin Pharmaceutical Co., Ltd. The patent has been assigned to **Priothera Limited**

2014250541 Teijin Pharma Limited The patent has been assigned to **Teijin Limited**

2014250542 Teijin Pharma Limited The patent has been assigned to **Teijin Limited**

2014328467 SensAbility Pty Ltd The patent has been assigned to **Breville Pty Limited**

2014366901 SensAbility Pty Ltd The patent has been assigned to **Breville Pty Limited**

2015100665 SNU R&DB FOUNDATION The patent has been assigned to **GLOBAL MEDICAL XYNAPSE**

2015238019 Northwood Medical Innovation Limited The patent has been assigned to **Allergan Limited**

2015297489 Teijin Pharma Limited The patent has been assigned to **Teijin Limited**

2015297501 Teijin Pharma Limited The patent has been assigned to **Teijin Limited**

2017357755 Wang, Cindy A.; Wang, Mingwu The patent has been assigned to **NeuVision Development LLC**

2017398035 CEC Systems Pty Ltd The patent has been assigned to **Spectainer Pty Limited**

2017404842 CEC Systems Pty Ltd The patent has been assigned to **Spectainer Pty Limited**

2017412140 CEC Systems Pty Ltd The patent has been assigned to **Spectainer Pty Limited**

2020102460 DECKEN BIOTECH, INC. The patent has been assigned to **Hau Cheng Food Biotechnology Co., Ltd.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2001236073 **Kyowa Kirin Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 05 Feb 2021

For the goods **POTELIGEO mogamulizumab**

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2008280283 **NERVIANO MEDICAL SCIENCES S.R.L.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The earliest first regulatory approval date provided by the patentee 15 May 2020

For the goods **ROZLYTREK entrectinib**

Extension of Term of patent pursuant to Section 77 expires on 08 Jul 2033

2013265288 **Nerviano Medical Sciences S.r.l.**

The earliest first regulatory approval date provided by the patentee 15 May 2020

For the goods **ROZLYTREK entrectinib**

Extension of Term of patent pursuant to Section 77 expires on 15 May 2035

2018201037 **Nerviano Medical Sciences S.r.l.**

The earliest first regulatory approval date provided by the patentee 15 May 2020

For the goods **ROZLYTREK entrectinib**

Extension of Term of patent pursuant to Section 77 expires on 15 May 2035

**Corrigenda**

In Vol 32 , No 16 , Page(s) 2253 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Incyte Corporation, Application No. 2016320892, under INID (72) correct the co-inventor to Shi, Chong-Sheng Eric

In Vol 34 , No 49 , Page(s) 7127 under the heading **Assignments Registered** Under the name Miller Waste Mills Inc. dba TRP Company, Application No. 2009238210, under INID (71) correct the applicant name to Miller Waste Mills Inc. dba RTP Company

In Vol 35 , No 1 , Page(s) 23 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2019** Please delete all reference to 2019283096

In Vol 35 , No 6 , Page(s) 921 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Roche Innovation Center Copenhagen A/S, Application No. 2019313527, under INID (72) correct the co-inventor to DUSCHMALÉ, Joerg Jakob Andreas

In Vol 35 , No 6 , Page(s) 923 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Telefonaktiebolaget LM Ericsson (Publ), Application No. 2019292724, under INID (54) correct the title to read Radio network node, user plane function (UPF) and methods performed therein for paging policy differentiation

In Vol 35 , No 6 , Page(s) 923 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Telefonaktiebolaget LM Ericsson, Application No. 2019292724, under INID (71) correct the applicant name to Telefonaktiebolaget LM Ericsson (Publ)

In Vol 35 , No 8 , Page(s) 1143 under the heading **Amendments - Application for Amendments** Under the name Jarvis Products Corporation, Patent Application No. 2018278999 correct the date of the statements filed to 14 Jul 2020 and 21 December 2020

## Corrigenda

In Vol 35 , No 8 , Page(s) 1192 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name David HERNANDEZ, Application No. 2019310437, under INID (71) correct the applicant name to David Hernandez

In Vol 35 , No 8 , Page(s) 1278 under the heading **Assignments Registered** Under the name JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF NATIONAL, Application No. 2008268014, under INID (71) correct the applicant name to JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES

In Vol 35 , No 9 , Page(s) 1326 under the heading **Amendments - Application for Amendments** Under the name Norgine BV, Patent No. 2018203694 correct the date of the statements filed to 3 Aug 2020, 13 Nov 2020, 20 Jan 2021, 22 Jan 2021 and 27 Jan 2021

## Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2016245959 **Syngenta Participations AG**  
2016310913 **Tokuyama Dental Corporation**  
2019213441 **Apple Inc.**