



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

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

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

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

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

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

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

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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 2 Mar 2021 .

(71) Annear, M. (21) 2021900537 (22) 26.02.2021 (54) MAST ATTACHMENT SYSTEM	(71) Blindside Group Pty Ltd (21) 2021900496 (22) 24.02.2021 (54) Fitness equipment	(71) de la Motte, L. (21) 2021900540 (22) 26.02.2021 (54) Text input method
(71) Aussen Laboratories Pty Limited (21) 2021900580 (22) 03.03.2021 (54) A COMPOSITION AND PROCESS FOR IMPROVING A PLANT'S ABILITY TO REDUCE ATMOSPHERIC CO2	(71) Buildsafe Equipment Sales Pty Ltd (21) 2021900582 (22) 03.03.2021 (54) Improvements Relating to Rooftop Walkways	(71) Digispectro Pty Ltd (21) 2021900531 (22) 26.02.2021 (54) SYSTEM AND METHOD FOR COSMETIC MATCHING
(71) Aussie Ag Products Pty Ltd (21) 2021900546 (22) 01.03.2021 (54) Cutting Tool Handling Assembly	(71) Butcher, K. (21) 2021900581 (22) 03.03.2021 (54) System to produce precipitation	(71) Donevski, M. (21) 2021900591 (22) 03.03.2021 (54) Autonomous Cyber Anomaly Management System
(71) Baraja Pty Ltd (21) 2021900499 (22) 24.02.2021 (54) An optical beam director	(71) Ceva Animal Health Pty Ltd (21) 2021900569 (22) 02.03.2021 (54) Animal Treatment	(71) DOT DESIGN GROUP PTY LTD (21) 2021900554 (22) 02.03.2021 (54) this invention is designed to fit inside an enclosed or open air refrigerator. The invention will clip securely onto a shelf strip extrusion attached to the store shelving. Within the centre of the part, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed. This invention allows a larger than standard sized ESL tag to be affixed to a standard shelf strip extrusion.
(71) Bekker and Associates Australia Pty Ltd ATF GPP Trust (21) 2021900586 (22) 03.03.2021 (54) Robotic Preparative System	(71) Changzhou Le Sun Pharmaceuticals Limited (21) 2021900578 (22) 03.03.2021 (54) METHOD OF TREATING VIRAL INFECTIONS	(71) DOT DESIGN GROUP PTY LTD (21) 2021900555 (22) 02.03.2021 (54) this invention is designed to be placed and attach to the front edge of fresh produce fixtures. The invention will attach securely by the rear magnetic face. Within the centre of the part, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed.
(71) BE Pure Honey Tas. (21) 2021900550 (22) 01.03.2021 (54) A novel way of displaying honey for sale	(71) Chappell, J. (21) 2021900547 (22) 01.03.2021 (54) DEVICE FOR MANIPULATING BEDDING	(71) DOT DESIGN GROUP PTY LTD (21) 2021900556 (22) 02.03.2021 (54) The invention will clip securely onto to existing 40mm data strips on supermarket store shelving. This invention eliminates the need for double sided tape or fastener fixing which reduces the risk
(71) Beyond Architectural Pty Ltd (21) 2021900528 (22) 26.02.2021 (54) Hinge	(71) Cruel Sea Technologies Pty Ltd (21) 2021900590 (22) 03.03.2021 (54) Knife/blade holder for agricultural machine	
(71) Bishop, I. (21) 2021900508 (22) 25.02.2021 (54) An airless tyre wheel assembly	(71) Cunningham, S. (21) 2021900552 (22) 01.03.2021 (54) Mixing Amplifiers and Novel Architectures for HFC Networks	
(71) Blackley, A. (21) 2021900530 (22) 26.02.2021 (54) U-Clean, cafe' / restaurant table add on for self cleaning		

Provisional Applications Filed - Name Index cont'd

of the shelf strip falling off and reduces cost of installation. Within the centre of the front of the profile, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed.

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900557 **(22)** 02.03.2021  
**(54)** this invention will clip securely onto a shelf strip extrusion attached to the store shelving. This invention allows for marketing messages to be displayed from in front of the store shelving. The flag communicating a message can be visible from a consumer. Seasonal message displayed can be replaced with updated insert.

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900558 **(22)** 02.03.2021  
**(54)** this invention allow for safe and easy installation of ESL tags onto a shelf strip extrusion, whilst also allowing for safe and easy removal of ESL tags

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900559 **(22)** 02.03.2021  
**(54)** this invention is generally designed to fit inside an enclosed or open air refrigerator. The invention will clip securely onto a wire framed shelf within the fridge. The Fridge ESL Holder can be used outside of the refrigerated environment as well. Within the centre of the part, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900560 **(22)** 02.03.2021  
**(54)** The invention will clip securely onto to supermarket store shelving. This invention eliminates the need for double sided tape or fastener fixing which reduces the risk of the shelf strip falling off and reduces cost of installation. Within the centre of the front of the profile, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900561 **(22)** 02.03.2021  
**(54)** Description: this invention will clip securely onto a shelf strip extrusion attached to the store shelving. This invention allows for marketing messages to be displayed from a perpendicular angle to the store shelving. The flag communicating a message can be visible from a consumer at distance whilst walking through an aisle. Seasonal message displayed can be replaced with updated insert.

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900562 **(22)** 02.03.2021  
**(54)** The invention will attach securely onto supermarket store shelving using double sided tape. Within the centre of the front of the profile, an ESL (Electronic Shelf Label) tag will clip firmly to allow the pricing to be displayed. A co-extruded rubber mould sit on the front face to allow, once installed, secure positioning of the ESL tag so that it does not slide

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900564 **(22)** 02.03.2021  
**(54)** The invention will clip securely onto to existing 40mm data strips on supermarket store shelving. This invention eliminates the need for double sided tape or fastener fixing which reduces the risk of the shelf strip falling off and reduces cost of installation

**(71)** DOT DESIGN GROUP PTY LTD  
**(21)** 2021900565 **(22)** 02.03.2021  
**(54)** this invention will clip securely onto a shelf strip extrusion attached to the store shelving. This invention allows for marketing messages to be displayed from in front of the store shelving. The flag communicating a message can be visible from a consumer. Seasonal message displayed can be replaced with updated insert.

**Doust, N. see Hashemi, G.**  
**(21)** 2021900494

**(71)** DOXLE PTY LTD  
**(21)** 2021900497 **(22)** 24.02.2021  
**(54)** Software that implements PDF Reading Building Plans And Documents including but not limited to measurement of lines, text and images for the Building and Construction Industry, and manipulation of extracted data to assist in estimating, project management & scheduling

**(71)** Easybondpay Pty Ltd  
**(21)** 2021900498 **(22)** 24.02.2021  
**(54)** SECURITY PROVISIONING SYSTEM AND METHOD

**(71)** Equiprise Corporation Pty Ltd  
**(21)** 2021900549 **(22)** 01.03.2021  
**(54)** CRANE SYSTEM FOR A BUILDING OR INFRASTRUCTURE CONSTRUCTION SITE

**(71)** Genieus Genomics Pty Ltd  
**(21)** 2021900536 **(22)** 26.02.2021  
**(54)** Biomarkers for neurodegenerative diseases

**(71)** Greenbio IP Holdings Pty Ltd  
**(21)** 2021900533 **(22)** 26.02.2021  
**(54)** Plant growing units

**(71)** HARPUR, L.  
**(21)** 2021900575 **(22)** 03.03.2021  
**(54)** A SEALING INSERT FOR A WATER SUPPLY ASSEMBLY

**Hashemi, R. see Hashemi, G.**  
**(21)** 2021900494

**Hashemi, M. see Hashemi, G.**  
**(21)** 2021900494

**(71)** Hashemi, G.; Doust, N.; Hashemi, R.; Sharifabadi, A.; Hashemi, M.  
**(21)** 2021900494 **(22)** 24.02.2021  
**(54)** SMART CONCRETE TROWEL, CURING AND POLISHING ROBOT

**Holdsworth, K. see Johnson, C.**  
**(21)** 2021900507

**(71)** IMAGING SOLUTIONS PTY LTD  
**(21)** 2021900544 **(22)** 27.02.2021  
**(54)** PERSONAL RADIATION PROTECTIVE DEVICE

**(71)** Imtrade Australia Pty Ltd  
**(21)** 2021900522 **(22)** 25.02.2021  
**(54)** Plant growth regulator formulation comprising paclobutrazol

**Ineson, L. see Ineson, M.**  
**(21)** 2021900567

**(71)** Ineson, M.; Ineson, L.  
**(21)** 2021900567 **(22)** 02.03.2021  
**(54)** AN IMPROVED RETAINING WALL ARRANGEMENT

**Ineson, L. see Ineson, M.**  
**(21)** 2021900568

**(71)** Ineson, M.; Ineson, L.  
**(21)** 2021900568 **(22)** 02.03.2021  
**(54)** A SLEEPER FOR A RETAINING WALL ARRANGEMENT, AND A RETAINING WALL ARRANGEMENT USING SAID SLEEPER

**Johnson, A. see Johnson, C.**  
**(21)** 2021900507

Provisional Applications Filed - Name Index cont'd

(71) Johnson, C.; Holdsworth, K.; Johnson, A.  
 (21) 2021900507 (22) 25.02.2021  
 (54) A device for monitoring the flow of water

(71) KANGAROO MEDTEK PTY LTD  
 (21) 2021900524 (22) 26.02.2021  
 (54) Gyroball

(71) KANGAROO MEDTEK PTY LTD  
 (21) 2021900525 (22) 26.02.2021  
 (54) BubbleSplint

(71) Livestock Track & Trace Technology Co Pty Ltd  
 (21) 2021900541 (22) 26.02.2021  
 (54) System and Method for Trace History Generation

(71) McCaw, W.  
 (21) 2021900545 (22) 01.03.2021  
 (54) Improvement to Brick Veneer Wall Ties

(71) Micheli, J.K.  
 (21) 2021900551 (22) 01.03.2021  
 (54) REFUSE CONTAINER FOR SAFE STORAGE AND RECYCLING OF USED GOODS

(71) NBR Holdings Pty Ltd  
 (21) 2021900548 (22) 01.03.2021  
 (54) Photovoltaic panel deployment apparatus, arrangement and method

(71) NewSouth Innovations Pty Limited  
 (21) 2021900553 (22) 02.03.2021  
 (54) Fast graphics processing unit meshing for volumetric visualization

(71) Plotlogic Pty Ltd  
 (21) 2021900500 (22) 24.02.2021  
 (54) Geological sample holder

(71) Polyplas International Pty Ltd  
 (21) 2021900523 (22) 26.02.2021  
 (54) Modular Framing System

(71) Pro X Pay  
 (21) 2021900566 (22) 02.03.2021  
 (54) Payment Application you can track payments on delivery with.

(71) ROCHESTER, W.  
 (21) 2021900577 (22) 03.03.2021  
 (54) PIPE SUPPORTS AND PIPE SUPPORT KITS

(71) SenSen Networks Group Pty Ltd  
 (21) 2021900527 (22) 26.02.2021  
 (54) Systems and Methods for vehicle occupant compliance monitoring

Sharifabadi, A. see Hashemi, G.  
 (21) 2021900494

(71) SLK Mate Pty Ltd  
 (21) 2021900539 (22) 26.02.2021  
 (54) SYSTEM AND METHOD FOR DETERMINING ATTRIBUTES OF A TRAVEL ROUTE INVOLVING SLK LOCATION(S)

(71) South Australian Health and Medical Research Institute Limited  
 (21) 2021900563 (22) 02.03.2021  
 (54) METHODS AND SYSTEMS FOR ASSESSING LIKELIHOOD OF FAILING TO MAINTAIN TREATMENT FREE REMISSION IN PATIENTS SUFFERING FROM CHRONIC MYELOID LEUKEMIA

(71) Space Industries Pty Ltd  
 (21) 2021900534 (22) 26.02.2021  
 (54) Ore Processing

(71) Space Industries Pty Ltd  
 (21) 2021900535 (22) 26.02.2021  
 (54) Heating Element

(71) Space Industries Pty Ltd  
 (21) 2021900587 (22) 03.03.2021  
 (54) Transfer Port

(71) Starpharma Pty Ltd  
 (21) 2021900538 (22) 26.02.2021  
 (54) Therapeutic conjugates

(71) Talga Technologies Limited  
 (21) 2021900501 (22) 24.02.2021  
 (54) Solid State Battery Anode Composition

(71) Telethon Kids Institute  
 (21) 2021900585 (22) 03.03.2021  
 (54) Neonatal sepsis prevention and therapy

(71) Telix International Pty Ltd  
 (21) 2021900532 (22) 26.02.2021  
 (54) Synthetic method

(71) The University of Queensland  
 (21) 2021900570 (22) 02.03.2021  
 (54) Dissolution of Metals

(71) The University of Queensland  
 (21) 2021900571 (22) 02.03.2021  
 (54) Precipitation of Metals

The University of Sydney see University of Technology Sydney  
 (21) 2021900583

(71) Tuan Anh Le, A.  
 (21) 2021900576 (22) 03.03.2021  
 (54) Composition for the treatment of skin conditions such as eczema

(71) Tyre Tuft Pty Ltd  
 (21) 2021900592 (22) 03.03.2021  
 (54) Tubeless Bicycle Tyre Rim Conduit

(71) University of Tasmania  
 (21) 2021900529 (22) 26.02.2021  
 (54) Porphyrin derivatives and uses thereof

(71) University of Technology Sydney; The University of Sydney  
 (21) 2021900583 (22) 03.03.2021  
 (54) Phosphonium compounds for treating cancer

(71) Vaico Limited  
 (21) 2021900588 (22) 03.03.2021  
 (54) A SUPPORT SYSTEM AND COMPONENTS THEREOF

(71) Venuevue Pty Ltd  
 (21) 2021900579 (22) 03.03.2021  
 (54) SYSTEM AND METHOD FOR PERSONALISED VIEWING OF VIDEO CONTENT

(71) Woodside Energy Technologies Pty Ltd  
 (21) 2021900521 (22) 25.02.2021  
 (54) Heat Exchange Reactor

(71) XENEXUS PHARMACEUTICALS PTY LTD  
 (21) 2021900572 (22) 02.03.2021  
 (54) TREATMENT OF NON - ALCOHOLIC STEATOHEPATITIS WITH A MULTI-FUNCTIONAL DRUG

(71) Xero Limited  
 (21) 2021900542 (22) 26.02.2021  
 (54) Multi-factor authentication

(71) Yuuwa Ventures Pty Ltd  
 (21) 2021900574 (22) 03.03.2021  
 (54) Topical wound treatment

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(71) Zebaze, R.

(21) 2021900573 (22) 02.03.2021

(54) METHOD AND APPARATUS FOR  
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JECTS) BORDERS, QUANTIFYING  
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<b>2021900494</b>	Hashemi, G.; Doust, N.; Hashemi, R.; Sharifabadi, A.; Hashemi, M.	<b>2021900580</b>	Aussan Laboratories Pty Limited
<b>2021900496</b>	Blindside Group Pty Ltd	<b>2021900581</b>	Butcher, K.
<b>2021900497</b>	DOXLE PTY LTD	<b>2021900582</b>	Buildsafe Equipment Sales Pty Ltd
<b>2021900498</b>	Easybondpay Pty Ltd	<b>2021900583</b>	University of Technology Sydney; The University of Sydney
<b>2021900499</b>	Baraja Pty Ltd	<b>2021900585</b>	Telethon Kids Institute
<b>2021900500</b>	Plotlogic Pty Ltd	<b>2021900586</b>	Bekker and Associates Australia Pty Ltd ATF GPP Trust
<b>2021900501</b>	Talga Technologies Limited	<b>2021900587</b>	Space Industries Pty Ltd
<b>2021900507</b>	Johnson, C.; Holdsworth, K.; Johnson, A.	<b>2021900588</b>	Vaico Limited
<b>2021900508</b>	Bishop, I.	<b>2021900590</b>	Cruel Sea Technologies Pty Ltd
<b>2021900521</b>	Woodside Energy Technologies Pty Ltd	<b>2021900591</b>	Donevski, M.
<b>2021900522</b>	Imtrade Australia Pty Ltd	<b>2021900592</b>	Tyre Tuft Pty Ltd
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<b>2021900524</b>	KANGAROO MEDTEK PTY LTD		
<b>2021900525</b>	KANGAROO MEDTEK PTY LTD		
<b>2021900527</b>	SenSen Networks Group Pty Ltd		
<b>2021900528</b>	Beyond Architectural Pty Ltd		
<b>2021900529</b>	University of Tasmania		
<b>2021900530</b>	Blackley, A.		
<b>2021900531</b>	Digispectro Pty Ltd		
<b>2021900532</b>	Telix International Pty Ltd		
<b>2021900533</b>	Greenbio IP Holdings Pty Ltd		
<b>2021900534</b>	Space Industries Pty Ltd		
<b>2021900535</b>	Space Industries Pty Ltd		
<b>2021900536</b>	Genieus Genomics Pty Ltd		
<b>2021900537</b>	Annear, M.		
<b>2021900538</b>	Starpharma Pty Ltd		
<b>2021900539</b>	SLK Mate Pty Ltd		
<b>2021900540</b>	de la Motte, L.		
<b>2021900541</b>	Livestock Track & Trace Technology Co Pty Ltd		
<b>2021900542</b>	Xero Limited		
<b>2021900544</b>	IMAGING SOLUTIONS PTY LTD		
<b>2021900545</b>	McCaw, W.		
<b>2021900546</b>	Aussie Ag Products Pty Ltd		
<b>2021900547</b>	Chappell, J.		
<b>2021900548</b>	NBR Holdings Pty Ltd		
<b>2021900549</b>	Equiprise Corporation Pty Ltd		
<b>2021900550</b>	BE Pure Honey Tas.		
<b>2021900551</b>	Micheli, J.K.		
<b>2021900552</b>	Cunningham, S.		
<b>2021900553</b>	NewSouth Innovations Pty Limited		
<b>2021900554</b>	DOT DESIGN GROUP PTY LTD		
<b>2021900555</b>	DOT DESIGN GROUP PTY LTD		
<b>2021900556</b>	DOT DESIGN GROUP PTY LTD		
<b>2021900557</b>	DOT DESIGN GROUP PTY LTD		
<b>2021900558</b>	DOT DESIGN GROUP PTY LTD		
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<b>2021900561</b>	DOT DESIGN GROUP PTY LTD		
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<b>2021900563</b>	South Australian Health and Medical Research Institute Limited		
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<b>2021900565</b>	DOT DESIGN GROUP PTY LTD		
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<b>2021900567</b>	Ineson, M.; Ineson, L.		
<b>2021900568</b>	Ineson, M.; Ineson, L.		
<b>2021900569</b>	Ceva Animal Health Pty Ltd		
<b>2021900570</b>	The University of Queensland		
<b>2021900571</b>	The University of Queensland		
<b>2021900572</b>	XENEXUS PHARMACEUTICALS PTY LTD		
<b>2021900573</b>	Zebaze, R.		
<b>2021900574</b>	Yuuwa Ventures Pty Ltd		
<b>2021900575</b>	HARPUR, L.		
<b>2021900576</b>	Tuan Anh Le, A.		
<b>2021900577</b>	ROCHESTER, W.		
<b>2021900578</b>	Changzhou Le Sun Pharmaceuticals Limited		
<b>2021900579</b>	Venuevue Pty Ltd		

**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 2 Mar 2021 .

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

<hr/> <p>(71) AbbVie Inc. (21) 2021201414 (22) 04.03.2021 (54) Carbidopa and L-dopa prodrugs and their use to treat Parkinson's disease (62) 2015335941</p> <hr/> <p>(71) AbbVie Inc. (21) 2021201463 (22) 08.03.2021 (54) Primary carboxamides as BTK inhibitors (62) 2019200901</p> <hr/> <p>(71) Ab Initio Technology LLC (21) 2021201363 (22) 02.03.2021 (54) FORMAT-SPECIFIC DATA PROCESSING OPERATIONS (62) 2017274407</p> <hr/> <p>(71) Abo Window Fashion Corp.; CHUANG, S. (21) 2021201432 (22) 05.03.2021 (54) Window Shade (31) 109203084 (32) 18.03.20 (33) TW</p> <hr/> <p>(71) ACCESS CLOSURE, INC. (21) 2021201455 (22) 05.03.2021 (54) Apparatus and methods for sealing a vascular puncture (62) 2019229429</p> <hr/> <p>(71) AFI Licensing LLC (21) 2021201436 (22) 05.03.2021 (54) A flooring panel and methods for manufacturing same (62) 2016287760</p> <hr/> <p>(71) AFI Licensing LLC (21) 2021201438 (22) 05.03.2021 (54) Laminated surface coverings (62) 2016287834</p> <hr/> <p>(71) Air Supplies Holland B.V. (21) 2021201450 (22) 05.03.2021 (54) Climate control unit and system comprising the same (31) 2025130 (32) 13.03.20 (33) NL</p> <hr/> <p>(71) Airvana LP (21) 2021201369 (22) 03.03.2021</p>	<p>(54) Scheduling the same resource in radio access networks (62) 2019205993</p> <hr/> <p>(71) Alcyone Lifesciences, Inc. (21) 2021201360 (22) 02.03.2021 (54) Microfluidic drug delivery devices (62) 2019201722</p> <hr/> <p>(71) ALSTOM Transport Technologies (21) 2021201394 (22) 03.03.2021 (54) Method and controller for determining the relationship between a track-circuit transmitted current signal and a railway vehicle location on a railway track (31) 16/811,244 (32) 06.03.20 (33) US</p> <hr/> <p>(71) Aluminium Industries of Australia Pty. Ltd. (21) 2021201435 (22) 05.03.2021 (54) SLIDING PANEL ADJUSTMENT APPARATUS, SYSTEM, AND METHOD (31) 2020900849 (32) 19.03.20 (33) AU</p> <hr/> <p>(71) Amgen Inc. (21) 2021201409 (22) 04.03.2021 (54) Crystalline antibody formulations (62) 2015289967</p> <hr/> <p>(71) Amgen Inc. (21) 2021201422 (22) 04.03.2021 (54) Crystalline antibody formulations (62) 2015289874</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2021201412 (22) 04.03.2021 (54) CARD SHOE APPARATUS AND GAME SYSTEM (62) 2019200338</p> <hr/> <p>(71) Anodos de Chile S.A. (21) 2021201460 (22) 08.03.2021 (54) METHOD FOR THE MANUFACTURE OF INSOLUBLE LEAD ANODES, USED IN ELECTROWINNING OR ELECTRO-REFINING PROCESSES OF HIGH PURITY (31) 0575-2020 (32) 06.03.20 (33) CL</p> <hr/> <p>(71) Apple Inc. (21) 2021201361 (22) 02.03.2021</p>	<p>(54) Device, method, and graphical user interface for providing audiovisual feedback (62) 2019246875</p> <hr/> <p>(71) Apple Inc. (21) 2021201387 (22) 03.03.2021 (54) Device, method, and graphical user interface for managing concurrently open software applications (62) 2019203663</p> <hr/> <p>(71) Apple Inc. (21) 2021201403 (22) 04.03.2021 (54) User interfaces for managing controllable external devices (62) 2020257092</p> <hr/> <p>(71) Apple Inc. (21) 2021201449 (22) 05.03.2021 (54) Device, method, and graphical user interface for synchronizing two or more displays (62) 2019213441</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021201431 (22) 04.03.2021 (54) ELECTRONIC GAMING MACHINE INCLUDING HYBRID DISPLAY AREA (31) 16/809,183 (32) 04.03.20 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021201456 (22) 05.03.2021 (54) ACTIVE MYSTERY FEATURE (31) 16/810,382 (32) 05.03.20 (33) US</p> <hr/> <p><b>Aristocrat Technologies, Inc. see Aristocrat Technologies Australia Pty Limited</b> (21) 2021201457</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021201368 (22) 02.03.2021 (54) Methods and Systems for Awarding a Jackpot (62) 2019204105</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021201453 (22) 05.03.2021 (54) A GAMING SYSTEM AND METHOD OF GAMING (62) 2019202954</p>
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<p>(71) Aristocrat Technologies Australia Pty Limited; Aristocrat Technologies, Inc. (21) 2021201457 (22) 05.03.2021 (54) SYSTEMS AND METHODS FOR CONTROLLING ELECTRONIC GAMING MACHINE USAGE (31) 2020901297 (32) 24.04.20 (33) AU 62/985,649 05.03.20 US 63/020,968 06.05.20 US</p>	<p>(71) Binary Beer Pty Ltd (21) 2021201464 (22) 08.03.2021 (54) Non-invasive attachable smart device housings and smart device methods and systems for beverage containers (62) 2020203218</p>	<p>(54) Contactless card with multiple rotating security keys (31) 16/863,902 (32) 30.04.20 (33) US</p>
<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021201469 (22) 08.03.2021 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER (62) 2019203260</p>	<p>(71) BISSELL Inc. (21) 2021201370 (22) 03.03.2021 (54) Surface cleaning apparatus and tray (62) 2019288675</p>	<p><b>Carnegie Mellon University see University of Pittsburgh - Of The Commonwealth System of Higher Education</b> (21) 2021201365</p>
<p>(71) Armstrong World Industries, Inc. (21) 2021201459 (22) 08.03.2021 (54) Assembly for supporting ceiling panels and ceiling system incorporating the same (62) 2015353756</p>	<p>(71) Boyle, N. (21) 2021201462 (22) 08.03.2021 (54) An unmanned roadside signage vehicle system (62) 2016354673</p>	<p>(71) Caterpillar Global Mining Equipment LLC (21) 2021201406 (22) 04.03.2021 (54) DRILL PIPE SEGMENT LIFE MONITOR OR (31) 16/822,843 (32) 18.03.20 (33) US</p>
<p>(71) Arvinas Operations, Inc. (21) 2021201399 (22) 03.03.2021 (54) MDM2-based modulators of proteolysis and associated methods of use (62) 2016291578</p>	<p>(71) Britax Römer Kindersicherheit GmbH (21) 2021201385 (22) 03.03.2021 (54) A VEHICLE-MOUNTABLE CHILD SAFETY SEAT ASSEMBLY</p>	<p>(71) Caterpillar Inc. (21) 2021201407 (22) 04.03.2021 (54) SYSTEM AND METHOD FOR GEOFENCE BASED CYCLE TIME DETERMINATION (31) 16/826,411 (32) 23.03.20 (33) US</p>
<p>(71) Asahi Intecc Co., Ltd. (21) 2021201488 (22) 09.03.2021 (54) GSR sensor element (62) 2018281459</p>	<p>(71) British American Tobacco (Investments) Limited (21) 2021201472 (22) 09.03.2021 (54) A filter for a smoking article or an aerosol generating product (62) 2018356947</p>	<p>(71) Celgene Corporation (21) 2021201493 (22) 09.03.2021 (54) Methods of synthesis of (1R,2R,5R)-5-amino-2-methylcyclohexanol hydrochloride and intermediates useful therein (62) 2016297784</p>
<p>(71) Astronics Connectivity Systems &amp; Certification Corp. (21) 2021201395 (22) 03.03.2021 (54) USB cable and method for producing the same (62) 2019201378</p>	<p>(71) CANADIAN ENERGY SERVICES L.P. (21) 2021201364 (22) 02.03.2021 (54) Drill fluid and method for tunneling (62) 2018286661</p>	<p>(71) CFPH, LLC (21) 2021201411 (22) 04.03.2021 (54) SYSTEMS AND METHODS OF DETECTING MANIPULATIONS ON A BINARY OPTIONS EXCHANGE (62) 2020200270</p>
<p>(71) Athey Investments, Inc. (21) 2021201420 (22) 04.03.2021 (54) Cordless treadmill (62) 2015335909</p>	<p>(71) CANADIAN ENERGY SERVICES L.P. (21) 2021201374 (22) 03.03.2021 (54) Drill fluid and method for tunneling (62) 2018286661</p>	<p><b>CHUANG, S. see Abo Window Fashion Corp.</b> (21) 2021201432</p>
<p>(71) Autochair Limited (21) 2021201429 (22) 04.03.2021 (54) Hoist mechanism (31) 2003138.1 (32) 04.03.20 (33) GB</p>	<p>(71) Canva Pty Ltd (21) 2021201345 (22) 02.03.2021 (54) Systems and methods for extracting text from portable document format data</p>	<p>(71) Commonwealth Scientific and Industrial Research Organisation (21) 2021201428 (22) 04.03.2021 (54) Monitoring systems and methods (62) 2016303789</p>
<p>(71) Becton, Dickinson and Company (21) 2021201446 (22) 05.03.2021 (54) Administration system, delivery device, and notification device for communicating status of a medical device (62) 2018302130</p>	<p>(71) Canva Pty Ltd (21) 2021201352 (22) 02.03.2021 (54) Systems and methods for extracting text from portable document format data</p>	<p>(71) ConMed Corporation (21) 2021201382 (22) 03.03.2021 (54) Easy start cannulated bone screw (62) 2018347902</p>
<p>(71) Capital One Services, LLC (21) 2021201415 (22) 04.03.2021</p>	<p>(71) Cook Medical Technologies LLC (21) 2021201336 (22) 02.03.2021 (54) A CONSTRAINT ARRANGEMENT FOR A STENT-GRAFT LOADED ONTO A DELIVERY SYSTEM</p>	<p>(71) Czech Technical University in Prague (21) 2021201491 (22) 09.03.2021</p>

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(54) Compact apparatus for extracting water from air  
(31) CZ2020-126 (32) 10.03.20 (33) CZ

(71) Czech Technical University in Prague  
(21) 2021201492 (22) 09.03.2021  
(54) Apparatus for extracting water from air with one air duct  
(31) CZ2020-127 (32) 10.03.20 (33) CZ

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(21) 2021201467

(71) Deere & Company  
(21) 2021201391 (22) 03.03.2021  
(54) Equalization of nozzle performance for sprayers  
(62) 2015268691

(71) DEKA Products Limited Partnership  
(21) 2021201372 (22) 03.03.2021  
(54) HEMODIALYSIS SYSTEMS AND METHODS  
(62) 2019261779

**Devgen NV see Syngenta Participations AG**

(21) 2021201421

(71) Dragonfly Therapeutics, Inc.  
(21) 2021201451 (22) 05.03.2021  
(54) Proteins binding NKG2D, CD16, and EGFR, CCR4, or PD-L1  
(62) 2018318698

(71) DSG Technology Holdings Ltd.  
(21) 2021201381 (22) 03.03.2021  
(54) AN ELASTIC CORE COMPOSITE OR ASSEMBLY, AND A SYSTEM AND METHOD FOR MAKING THE ELASTIC COMPOSITE ASSEMBLY  
(62) 2016359627

(71) DSM IP Assets B.V.  
(21) 2021201384 (22) 03.03.2021  
(54) REFINED OIL COMPOSITIONS AND METHODS FOR MAKING  
(62) 2016310503

(71) Dynamics Inc.  
(21) 2021201441 (22) 05.03.2021  
(54) Systems, devices, and methods for mobile payment acceptance, mobile authorizations, mobile wallets, and contactless communication mechanisms  
(62) 2019202049

(71) ENVIROLOGIX INC.  
(21) 2021201378 (22) 03.03.2021

(54) Compositions and methods for detecting an RNA virus  
(62) 2015336086

(71) EXEL Industries  
(21) 2021201490 (22) 09.03.2021  
(54) SPRAYING SYSTEM FOR AGRICULTURAL VEHICLE AND SPRAYING METHOD USING SUCH A SYSTEM  
(31) FR2002412 (32) 11.03.20 (33) FR

(71) Fasetto, Inc.  
(21) 2021201393 (22) 03.03.2021  
(54) Systems and methods for message editing  
(62) 2019257398

(71) Fidelta D.O.O.  
(21) 2021201355 (22) 02.03.2021  
(54) Seco macrolide compounds  
(62) 2017262706

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2021201341 (22) 02.03.2021  
(54) RESPIRATORY GAS THERAPY  
(62) 2015355670

(71) Freshcut Paper, LLC  
(21) 2021201444 (22) 05.03.2021  
(54) THREE-DIMENSIONAL DISPLAY  
(31) 63/115,003 (32) 17.11.20 (33) US

(71) Fuzhou Autran Industrial Co., Ltd  
(21) 2021201367 (22) 02.03.2021  
(54) DAMPING HINGE  
(31) 202022316743.3 (32) 16.10.20 (33) CN  
(62) 2020277205

(71) Gardner, G.  
(21) 2021201466 (22) 08.03.2021  
(54) Endotracheal tube insertion device  
(62) 2017205628

(71) GENENTECH, INC.  
(21) 2021201366 (22) 02.03.2021  
(54) Formulations with reduced oxidation  
(62) 2019202464

(71) Gilead Sciences, Inc.  
(21) 2021201386 (22) 03.03.2021  
(54) Crystalline forms of (S) 2 ethylbutyl 2 (((S) (((2R,3S,4R,5R) 5 (4aminopyrrolo[2,1-f] [1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2 yl)methoxy) (phenoxy)phosphoryl)amino)propanoate  
(62) 2018262501

(71) Gilead Sciences, Inc.  
(21) 2021201474 (22) 09.03.2021

(54) Methods for the preparation of ribosides  
(62) 2019201232

(71) GLOBERIDE, Inc.  
(21) 2021201437 (22) 05.03.2021  
(54) Fishing lure  
(31) 2020-038754 (32) 06.03.20 (33) JP  
2020-038755 06.03.20 JP

(71) GLOBERIDE, Inc.  
(21) 2021201439 (22) 05.03.2021  
(54) Fishing lure  
(31) 2020-038756 (32) 06.03.20 (33) JP

(71) Griffith Hack  
(21) 2021201418 (22) 04.03.2021  
(54) Interlocking structural block reinforcement means and modular building system  
(62) 2016206205

(71) Grifols Worldwide Operations Limited  
(21) 2021201445 (22) 05.03.2021  
(54) Method of treatment of Hypoxia inducible factor (HIF)-related conditions  
(62) 2019264588

(71) Grünenthal GmbH  
(21) 2021201351 (22) 02.03.2021  
(54) Dosage form providing prolonged release of a salt of Tapentadol with L-(+)-tartaric acid  
(31) 20206812.8 (32) 10.11.20 (33) EP

(71) Grünenthal GmbH  
(21) 2021201353 (22) 02.03.2021  
(54) Dosage form providing prolonged release of a salt of Tapentadol with L-(+)-tartaric acid  
(31) 20206800.3 (32) 10.11.20 (33) EP

(71) Hart, J.  
(21) 2021201396 (22) 03.03.2021  
(54) A loading system  
(62) 2016236766

**Hudson Institute of Medical Research see Monash University**

(21) 2021201335

(71) ICM Airport Technics Australia Pty Ltd  
(21) 2021201398 (22) 03.03.2021  
(54) LUGGAGE PROCESSING STATION AND SYSTEM THEREOF  
(62) 2019240554

(71) Imagine Intelligent Materials Ltd  
(21) 2021201413 (22) 04.03.2021  
(54) GRAPHENE ELECTRODE  
(62) 2015349612

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(71) Immatix Biotechnologies GmbH  
 (21) 2021201346 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (62) 2018212584

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(71) Immatix Biotechnologies GmbH  
 (21) 2021201347 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (62) 2018212584

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(71) Immatix Biotechnologies GmbH  
 (21) 2021201348 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (62) 2018212584

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(71) Immatix Biotechnologies GmbH  
 (21) 2021201349 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (62) 2018212584

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(71) Immatix Biotechnologies GmbH  
 (21) 2021201350 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (62) 2018212584

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Ineson, L. see Ineson, M.  
 (21) 2021201337

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(71) Ineson, M.; Ineson, L.  
 (21) 2021201337 (22) 02.03.2021  
 (54) AN IMPROVED RETAINING WALL ARRANGEMENT

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(71) Institute of Zoology, Guangdong Academy of Sciences  
 (21) 2021201392 (22) 03.03.2021  
 (54) THREE-DIMENSIONAL DYNAMIC CULTURE METHOD FOR IN-VITRO EXPANSION OF SPERMATOGONIAL STEM CELLS USING MICROCARRIERS  
 (31) 202010314524.3 (32) 21.04.20 (33) CN

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(71) Jinko Green Energy (Shanghai) Management Co., LTD; ZHEJIANG JINKO SOLAR CO., LTD  
 (21) 2021201475 (22) 09.03.2021  
 (54) PHOTOVOLTAIC MODULE, SOLAR CELL, AND MANUFACTURING METHOD THEREFOR  
 (62) 2020203989

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(71) JOJACO.MPP INC.  
 (21) 2021201362 (22) 02.03.2021  
 (54) Breast tape and method of applying breast tape

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(71) Kahrs, B.  
 (21) 2021201390 (22) 03.03.2021  
 (54) PHARMACEUTICAL COMPOSITIONS COMPRISING GLITAZONES AND NRF2 ACTIVATORS  
 (62) 2019204493

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(71) KOKI HOLDINGS CO., LTD.  
 (21) 2021201343 (22) 02.03.2021  
 (54) BATTERY PACK, ELECTRICAL DEVICE USING BATTERY PACK, AND ELECTRICAL DEVICE SYSTEM  
 (62) 2017348745

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(71) KONE CORPORATION  
 (21) 2021201478 (22) 09.03.2021  
 (54) METHOD FOR MODERNIZING ELEVATOR SYSTEM  
 (31) 20171548.9 (32) 27.04.20 (33) EP

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(71) Landos Biopharma, Inc.  
 (21) 2021201405 (22) 04.03.2021  
 (54) LANTHIONINE SYNTHETASE C-LIKE 2-BASED THERAPEUTICS  
 (62) 2019201231

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(71) Leica Geosystems AG  
 (21) 2021201358 (22) 02.03.2021  
 (54) Dynamic motion compensation  
 (62) 2016247575

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(71) LG Electronics Inc.  
 (21) 2021201454 (22) 05.03.2021  
 (54) Stack-type laundry treating apparatus  
 (31) 1020200027778 (32) 05.03.20 (33) KR  
 1020200132544 14.10.20 KR

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(71) LG ELECTRONICS INC.  
 (21) 2021201410 (22) 04.03.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (31) 10-2020-0027210 (32) 04.03.20 (33) KR  
 10-2020-0131836 13.10.20 KR

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(71) LG ELECTRONICS INC.  
 (21) 2021201440 (22) 05.03.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (31) 10-2020-0028180 (32) 06.03.20 (33) KR

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(71) LG ELECTRONICS INC.  
 (21) 2021201443 (22) 05.03.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (31) 10-2020-0028179 (32) 06.03.20 (33) KR

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(71) Lion Group, Inc.  
 (21) 2021201416 (22) 04.03.2021  
 (54) Fire fighting training system with steam/smoke generation  
 (62) 2019200347

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(71) Lotus Folding Walls & Doors Pty Ltd  
 (21) 2021201442 (22) 05.03.2021  
 (54) DAMPER ASSEMBLY FOR SLIDING BUILDING ELEMENTS  
 (31) 2020900760 (32) 13.03.20 (33) AU

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(71) Meso Scale Technologies, LLC  
 (21) 2021201417 (22) 04.03.2021  
 (54) CONSUMABLE DATA MANAGEMENT  
 (62) 2019200316

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(71) Miles, S.  
 (21) 2021201401 (22) 03.03.2021  
 (54) Wheel Carrier  
 (31) 2020900634 (32) 03.03.20 (33) AU

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(71) Miltenyi Biotec Technology, INC.  
 (21) 2021201484 (22) 09.03.2021  
 (54) Chimeric antigen receptors and methods of use  
 (62) 2016335848

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(71) MiraeCellBio Co., Ltd.  
 (21) 2021201375 (22) 03.03.2021  
 (54) Method of preparing mesenchymal-like stem cells and mesenchymal-like stem cells prepared thereby  
 (31) 10-2020-0080349 (32) 30.06.20 (33) KR  
 10-2020-0096120 31.07.20 KR  
 10-2020-0153819 17.11.20 KR

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(71) Mitsubishi Heavy Industries Compressor Corporation  
 (21) 2021201477 (22) 09.03.2021  
 (54) Liquefied natural gas compression system  
 (31) 16/906,831 (32) 19.06.20 (33) US

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(71) Mobeewave Systems ULC  
 (21) 2021201388 (22) 03.03.2021  
 (54) Method, device and secure element for conducting a secured financial transaction on a device  
 (62) 2018256522

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(71) Monash University; Hudson Institute of Medical Research  
 (21) 2021201335 (22) 02.03.2021  
 (54) IL-37 variants  
 (62) 2019203989

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(71) NAK Industries Pty Ltd  
 (21) 2021201482 (22) 09.03.2021  
 (54) A SPANNER FOR SIMULTANEOUSLY GRIPPING A PLURALITY OF FASTENERS AND A METHOD FOR SIMULTANEOUSLY GRIPPING A PLURALITY OF FASTENERS

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 (21) 2021201434

(71) Netflix, Inc.  
 (21) 2021201476 (22) 09.03.2021  
 (54) Techniques for synthesizing film grain  
 (62) 2018322154

(71) Novartis AG  
 (21) 2021201487 (22) 09.03.2021  
 (54) Compositions and methods for antibodies targeting EPO  
 (62) 2018253639

(71) NOVARTIS AG  
 (21) 2021201424 (22) 04.03.2021  
 (54) AMINOPYRIDINE DERIVATIVES AND THEIR USE AS SELECTIVE ALK-2 INHIBITORS  
 (62) 2019246857

(71) Ocular Pty Ltd  
 (21) 2021201397 (22) 03.03.2021  
 (54) DISPLAY SIGNS  
 (31) 2019904194 (32) 07.11.19 (33) AU

(71) Ohuku LLC  
 (21) 2021201483 (22) 09.03.2021  
 (54) Method and system for simulating, predicting, interpreting, comparing, or visualizing complex data  
 (62) 2018211992

(71) Pastoral Greenhouse Gas Research Limited  
 (21) 2021201338 (22) 02.03.2021  
 (54) COMPLETE GENOME SEQUENCE OF THE METHANOGEN METHANOBREVIBACTER RUMINANTIIUM  
 (62) 2018232902

(71) Pentair Water Pool and Spa, Inc.; Danfoss Power Electronics A/S  
 (21) 2021201467 (22) 08.03.2021  
 (54) Pump assembly and improved fan shroud therefor  
 (31) 62/986,417 (32) 06.03.20 (33) US

(71) Pepperl+Fuchs SE  
 (21) 2021201389 (22) 03.03.2021  
 (54) Explosion-protected device  
 (31) 10 2020 106 044.0 (32) 05.03.20 (33) DE

(71) Phoenix Tissue Repair Inc.  
 (21) 2021201356 (22) 02.03.2021  
 (54) Administration of Recombinant Collagen 7 for the Treatment of Age Related Disorders  
 (62) 2019202876

(71) Phoenix Spinal Technologies, Inc.  
 (21) 2021201377 (22) 03.03.2021  
 (54) Interlocking Spinal Disc Prosthetic  
 (31) 16/810,217 (32) 05.03.20 (33) US  
 17/150,924 15.01.21 US

(71) Phosphorex, Inc.  
 (21) 2021201342 (22) 02.03.2021  
 (54) Microparticles and nanoparticles having negative surface charges  
 (62) 2017375793

**Podmore, J. see Podmore, M.**  
 (21) 2021201376

(71) Podmore, M.; Podmore, J.  
 (21) 2021201376 (22) 03.03.2021  
 (54) A Smartcard Based System for Regulation of Electronic Gambling

(71) Potrero Medical, Inc.  
 (21) 2021201400 (22) 03.03.2021  
 (54) Sensing Foley catheter  
 (62) 2019203634

(71) President and Fellows of Harvard College  
 (21) 2021201354 (22) 02.03.2021  
 (54) NUCLEASE PROFILING SYSTEM  
 (62) 2014305838

(71) Pulse IP, LLC  
 (21) 2021201430 (22) 04.03.2021  
 (54) Biomedical electrode having low oxygen content  
 (62) 2016204056

(71) Rhythm Pharmaceuticals, Inc.  
 (21) 2021201448 (22) 05.03.2021  
 (54) Method of treating melanocortin-4 receptor pathway-associated disorders  
 (62) 2016330772

(71) RMH Tech LLC  
 (21) 2021201458 (22) 08.03.2021  
 (54) Photovoltaic module mounting assembly  
 (62) 2019210634

(71) Roar Software Pty Ltd  
 (21) 2021201489 (22) 09.03.2021  
 (54) System and Process for generating an internet application  
 (62) 2015255223

(71) SanBio, Inc.  
 (21) 2021201433 (22) 05.03.2021  
 (54) Induction medium and methods for stem cell culture and therapy  
 (62) 2015324241

(71) Sernova Corporation  
 (21) 2021201485 (22) 09.03.2021  
 (54) Methods and devices for cellular transplantation  
 (62) 2019203457

(71) SharkNinja Operating LLC  
 (21) 2021201452 (22) 05.03.2021  
 (54) SURFACE CLEANING HEAD FOR VACUUM CLEANER  
 (62) 2018321947

(71) SHIMADZU CORPORATION; National Center for Geriatrics and Gerontology  
 (21) 2021201434 (22) 05.03.2021  
 (54) Surrogate biomarker for evaluating intracerebral amyloid beta peptide accumulation and method for analysis thereof  
 (62) 2015262399

(71) Skoot Ride.Com Ltd  
 (21) 2021201480 (22) 09.03.2021  
 (54) Transport coordination system  
 (31) 16/819,810 (32) 16.03.20 (33) US

(71) Skoot Ride.Com Ltd  
 (21) 2021201481 (22) 09.03.2021  
 (54) Transport coordination system  
 (31) 16/819,880 (32) 16.03.20 (33) US

(71) Smart Wires Inc.  
 (21) 2021201383 (22) 03.03.2021  
 (54) Modular facts devices with external fault current protection within the same impedance injection module  
 (31) 17/176,979 (32) 16.02.21 (33) US  
 62/987,815 10.03.20 US

(71) Snap-on Incorporated  
 (21) 2021201471 (22) 08.03.2021  
 (54) System and method for indicating torque  
 (62) 2019202501

(71) SOCIEDAD COMERCIAL HARUT SPA  
 (21) 2021201344 (22) 02.03.2021  
 (54) Method for recycling high-density polyethylene (HDPE) material by thermofusion and recycled HDPE products  
 (62) 2017341750

(71) SPR Therapeutics, Inc.  
 (21) 2021201461 (22) 08.03.2021

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(54) SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN  
(62) 2019236590

(71) Syngenta Participations AG; Devgen NV

(21) 2021201421 (22) 04.03.2021

(54) METHODS OF PRESERVING THE BIOLOGICAL ACTIVITY OF RIBONUCLEIC ACIDS

(62) 2016335158

(71) Takeda Pharmaceutical Company Limited

(21) 2021201486 (22) 09.03.2021

(54) A METHOD TO PRODUCE AN IMMUNOGLOBULIN PREPARATION WITH IMPROVED YIELD

(62) 2019200993

(71) The Boeing Company

(21) 2021201359 (22) 02.03.2021

(54) Method of rapid conversion of chemical energy into usable electrical energy

(31) 16/825,045 (32) 20.03.20 (33) US

(71) The Raymond Corporation

(21) 2021201426 (22) 04.03.2021

(54) SYSTEMS AND METHODS FOR CONTROL OF A REMOTELY CONTROLLABLE MATERIAL HANDLING VEHICLE

(31) 62/986,293 (32) 06.03.20 (33) US

(71) The Raymond Corporation

(21) 2021201427 (22) 04.03.2021

(54) SYSTEMS AND METHODS FOR EVALUATION OF VEHICLE PARAMETERS OF A REMOTELY CONTROLLABLE MATERIAL HANDLING VEHICLE

(31) 62/986,299 (32) 06.03.20 (33) US

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

(21) 2021201468 (22) 08.03.2021

(54) PREFUSION RSV F PROTEINS AND THEIR USE

(62) 2018282476

(71) Toshiba Energy Systems & Solutions Corporation

(21) 2021201380 (22) 03.03.2021

(54) Electrochemical cell, electrochemical cell stack, and electrolyte for electrochemical cell

(31) 2020-048003 (32) 18.03.20 (33) JP

(71) Translate Bio, Inc.

(21) 2021201357 (22) 02.03.2021

(54) STEREOCHEMICALLY ENRICHED COMPOSITIONS FOR DELIVERY OF NUCLEIC ACIDS

(62) 2020200489

(71) UBE Industries, Ltd.

(21) 2021201479 (22) 09.03.2021

(54) Cell culture module

(62) 2017303598

(71) University of Pittsburgh - Of The Commonwealth System of Higher Education; Carnegie Mellon University

(21) 2021201365 (22) 02.03.2021

(54) TIP-LOADED MICRONEEDLE ARRAYS FOR TRANSDERMAL INSERTION

(62) 2019226165

(71) Venenum Biodesign, LLC

(21) 2021201425 (22) 04.03.2021

(54) STING AGONISTS FOR TREATING BLADDER CANCER AND SOLID TUMORS

(71) Vorwerk & Co. Interholding GmbH

(21) 2021201447 (22) 05.03.2021

(54) PREPARATION VESSEL WITH A LOCKING DEVICE

(31) 20161437.7 (32) 06.03.20 (33) EP

(71) Waymo LLC

(21) 2021201402 (22) 03.03.2021

(54) DETECTING AND RESPONDING TO TRAFFIC REDIRECTION FOR AUTONOMOUS VEHICLES

(62) 2018361251

**ZHEJIANG JINKO SOLAR CO., LTD see Jinko Green Energy (Shanghai) Management Co., LTD**

(21) 2021201475

(71) Zogenix International Limited

(21) 2021201339 (22) 02.03.2021

(54) Fenfluramine compositions and methods of preparing the same

(62) 2016379346

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<b>2021201335</b>	Monash University; Hudson Institute of Medical Research	<b>2021201405</b>	Landos Biopharma, Inc.
<b>2021201336</b>	Cook Medical Technologies LLC	<b>2021201406</b>	Caterpillar Global Mining Equipment LLC
<b>2021201337</b>	Ineson, M.; Ineson, L.	<b>2021201407</b>	Caterpillar Inc.
<b>2021201338</b>	Pastoral Greenhouse Gas Research Limited	<b>2021201409</b>	Amgen Inc.
<b>2021201339</b>	Zogenix International Limited	<b>2021201410</b>	LG ELECTRONICS INC.
<b>2021201341</b>	FISHER & PAYKEL HEALTHCARE LIMITED	<b>2021201411</b>	CFPH, LLC
<b>2021201342</b>	Phosphorex, Inc.	<b>2021201412</b>	Angel Playing Cards Co., Ltd.
<b>2021201343</b>	KOKI HOLDINGS CO., LTD.	<b>2021201413</b>	Imagine Intelligent Materials Ltd
<b>2021201344</b>	SOCIEDAD COMERCIAL HARUT SPA	<b>2021201414</b>	AbbVie Inc.
<b>2021201345</b>	Canva Pty Ltd	<b>2021201415</b>	Capital One Services, LLC
<b>2021201346</b>	Immatics Biotechnologies GmbH	<b>2021201416</b>	Lion Group, Inc.
<b>2021201347</b>	Immatics Biotechnologies GmbH	<b>2021201417</b>	Meso Scale Technologies, LLC
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<b>2021201349</b>	Immatics Biotechnologies GmbH	<b>2021201420</b>	Athey Investments, Inc.
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<b>2021201351</b>	Grünenthal GmbH	<b>2021201422</b>	Amgen Inc.
<b>2021201352</b>	Canva Pty Ltd	<b>2021201424</b>	NOVARTIS AG
<b>2021201353</b>	Grünenthal GmbH	<b>2021201425</b>	Venenum Biodesign, LLC
<b>2021201354</b>	President and Fellows of Harvard College	<b>2021201426</b>	The Raymond Corporation
<b>2021201355</b>	Fidelta D.O.O.	<b>2021201427</b>	The Raymond Corporation
<b>2021201356</b>	Phoenix Tissue Repair Inc.	<b>2021201428</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2021201357</b>	Translate Bio, Inc.	<b>2021201429</b>	Autochair Limited
<b>2021201358</b>	Leica Geosystems AG	<b>2021201430</b>	Pulse IP, LLC
<b>2021201359</b>	The Boeing Company	<b>2021201431</b>	Aristocrat Technologies, Inc.
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<b>2021201361</b>	Apple Inc.	<b>2021201433</b>	SanBio, Inc.
<b>2021201362</b>	JOJACO.MPP INC.	<b>2021201434</b>	SHIMADZU CORPORATION; National Center for Geriatrics and Gerontology
<b>2021201363</b>	Ab Initio Technology LLC	<b>2021201435</b>	Aluminium Industries of Australia Pty. Ltd.
<b>2021201364</b>	CANADIAN ENERGY SERVICES L.P.	<b>2021201436</b>	AFI Licensing LLC
<b>2021201365</b>	University of Pittsburgh - Of The Commonwealth System of Higher Education; Carnegie Mellon University	<b>2021201437</b>	GLOBERIDE, Inc.
<b>2021201366</b>	GENENTECH, INC.	<b>2021201438</b>	AFI Licensing LLC
<b>2021201367</b>	Fuzhou Autran Industrial Co., Ltd	<b>2021201439</b>	GLOBERIDE, Inc.
<b>2021201368</b>	Aristocrat Technologies Australia Pty Limited	<b>2021201440</b>	LG ELECTRONICS INC.
<b>2021201369</b>	Airvana LP	<b>2021201441</b>	Dynamics Inc.
<b>2021201370</b>	BISSELL Inc.	<b>2021201442</b>	Lotus Folding Walls & Doors Pty Ltd
<b>2021201371</b>	BISSELL Inc.	<b>2021201443</b>	LG ELECTRONICS INC.
<b>2021201372</b>	DEKA Products Limited Partnership	<b>2021201444</b>	Freshcut Paper, LLC
<b>2021201374</b>	CANADIAN ENERGY SERVICES L.P.	<b>2021201445</b>	Grifols Worldwide Operations Limited
<b>2021201375</b>	MiraeCellBio Co., Ltd.	<b>2021201446</b>	Becton, Dickinson and Company
<b>2021201376</b>	Podmore, M.; Podmore, J.	<b>2021201447</b>	Vorwerk & Co. Interholding GmbH
<b>2021201377</b>	Phoenyx Spinal Technologies, Inc.	<b>2021201448</b>	Rhythm Pharmaceuticals, Inc.
<b>2021201378</b>	ENVIROLOGIX INC.	<b>2021201449</b>	Apple Inc.
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<b>2021201381</b>	DSG Technology Holdings Ltd.	<b>2021201451</b>	Dragonfly Therapeutics, Inc.
<b>2021201382</b>	ConMed Corporation	<b>2021201452</b>	SharkNinja Operating LLC
<b>2021201383</b>	Smart Wires Inc.	<b>2021201453</b>	Aristocrat Technologies Australia Pty Limited
<b>2021201384</b>	DSM IP Assets B.V.	<b>2021201454</b>	LG Electronics Inc.
<b>2021201385</b>	Britax Römer Kindersicherheit GmbH	<b>2021201455</b>	ACCESS CLOSURE, INC.
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<b>2021201388</b>	Mobeewave Systems ULC	<b>2021201458</b>	RMH Tech LLC
<b>2021201389</b>	Pepperl+Fuchs SE	<b>2021201459</b>	Armstrong World Industries, Inc.
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<b>2021201391</b>	Deere & Company	<b>2021201461</b>	SPR Therapeutics, Inc.
<b>2021201392</b>	Institute of Zoology, Guangdong Academy of Sciences	<b>2021201462</b>	Boyle, N.
<b>2021201393</b>	Fasetto, Inc.	<b>2021201463</b>	AbbVie Inc.
<b>2021201394</b>	ALSTOM Transport Technologies	<b>2021201464</b>	Binary Beer Pty Ltd
<b>2021201395</b>	Astronics Connectivity Systems & Certification Corp.	<b>2021201466</b>	Gardner, G.
<b>2021201396</b>	Hart, J.	<b>2021201467</b>	Pentair Water Pool and Spa, Inc.; Danfoss Power Electronics A/S
<b>2021201397</b>	Ocular Pty Ltd	<b>2021201468</b>	The United States of America, as represented by the Secretary, Department of Health & Human Services
<b>2021201398</b>	ICM Airport Technics Australia Pty Ltd	<b>2021201469</b>	Aristocrat Technologies Australia Pty Limited
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2021201478 KONE CORPORATION  
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2021201486 Takeda Pharmaceutical Company Limited  
2021201487 Novartis AG  
2021201488 Asahi Intecc Co., Ltd.  
2021201489 Roar Software Pty Ltd  
2021201490 EXEL Industries  
2021201491 Czech Technical University in Prague  
2021201492 Czech Technical University in Prague  
2021201493 Celgene Corporation

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Applications listed below were processed through the Patent Office Canberra during the period ending 2 Mar 2021 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<p>(71) ., Y.S.; AGGARWAL, A.; SHARMA, N.; SINGH, N.; KUMAR, M.; ARORA, R.; SETIA, U.; RANI, P.; SINGH, K.; DANDEVA, D.; KUMAR, V.; BARAK, D.D. (21) 2021100965 (22) 22.02.2021 (54) A METHOD OF DEEP LEARNING FOR ANALYSIS AND RECOGNITION OF FINGERPRINTS</p>	<p><b>Anarase, D.S. see Marriwala, N.</b> (21) 2021101073</p>	<p>(71) B, R.; S, K.D.; MOBI, R.; S V, S.; CB, S. (21) 2021101126 (22) 02.03.2021 (54) E-HEALTH PORTAL MANAGEMENT FOR ENSURING SAFETY DURING PANDEMIC SITUATION</p>
<p><b>"Production Association Yuzhny Machine-Building plant named after A.M.Makarov" (YUZHMAH) see Cosmovision Global Corporation Pty Ltd.</b> (21) 2021100758</p>	<p><b>Anuradha, K. see Pandya, I.Y.</b> (21) 2021101072</p>	<p><b>Bachan, P. see Marriwala, N.</b> (21) 2021101073</p>
<p><b>(Sarwade), K.N.G. see Totewad, N.D.</b> (21) 2021101067</p>	<p>(71) Anuradha, M.; Raman, V.V.R.; R, M.; Kumar J, S.; Hanumanthakari, S.; Nir-anjan, S.K.; Naji Saif, M.A. (21) 2021101127 (22) 03.03.2021 (54) AWS-Cloud Data Performance Improved using Machine and Deep Learning Programming</p>	<p>(71) Balaji B, S.; R, M.; M S, S.; T N, P.; S T, S. (21) 2021100984 (22) 23.02.2021 (54) Data Science in Supply Chain Analysis using Blockchain Technology</p>
<p><b>A, J.L. see Vaddempudi, K.R.</b> (21) 2021101013</p>	<p>(71) Apple Inc. (21) 2021101005 (22) 23.02.2021 (54) Force-activated earphone (62) PCT/US2019/048159</p>	<p><b>Balamurugan, M. see SARAVANAN, A.</b> (21) 2021101041</p>
<p><b>A, E. see M, M.</b> (21) 2021101121</p>	<p>(71) Apple Inc. (21) 2021101064 (22) 26.02.2021 (54) User interfaces for subscription applications (62) 2020102658</p>	<p><b>BARAK, D.D. see ., Y.S.</b> (21) 2021100965</p>
<p><b>A., A.R. see K., H.</b> (21) 2021100989</p>	<p><b>Arora, J. see Thakur, N.V.</b> (21) 2021101012</p>	<p><b>Barua, K. see Laxkar, P.</b> (21) 2021100964</p>
<p>(71) ABA Teachers University (21) 2021101051 (22) 26.02.2021 (54) A novel martial arts training equipment</p>	<p>(71) Arora, V.; Leekha, R.S.; Singh, M.; NG, E.Y. (21) 2021101042 (22) 26.02.2021 (54) An IoT enabled EPCG device for nursing heart health distantly with artificial intelligence at cloud based environment</p>	<p>(71) Battery Graphene Corp Pty Ltd (21) 2021101028 (22) 24.02.2021 (54) A battery assembly (62) PCT/AU2020/050604</p>
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<p><b>Acharya, A.R. see Kulkarni, S.S.</b> (21) 2021101098</p>	<p><b>Arya, D. see Jain, P.</b> (21) 2021101129</p>	<p><b>Beijing Health Information Medical Technology Inc. see Beijing Institute of Nutritional Resources</b> (21) 2021101026</p>
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<p><b>AL GHAFRI, H.K. see P.C., S.</b> (21) 2021101034</p>	<p><b>Axis Institute of Technology &amp; Management see Kushwaha, R.</b> (21) 2021100981</p>	
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(54) Intelligent System for Energy Technology Foresight under the Background of Big Data

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(71) Beijing Institute of Technology  
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(54) An Intelligent System for Energy Strategic Management Based On Multi-objective Overall Optimization

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(54) Method for Evaluating Energy Saving and Emission Reduction of Sharing mobility Based on Big Data

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(21) 2021101075 (22) 28.02.2021  
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(71) BENELEC PTY. LIMITED  
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(54) Method for Efficiently Separating Neutrophils from Human Solid Tumors

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(21) 2021101126

(71) CCTEG Chongqing Research Institute Co., Ltd  
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(54) Hydraulic Cutting Drill Hole Cinder Conveying and Separating Device  
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(21) 2021101010 (22) 24.02.2021  
(54) Decolorization and Detoxification of Distillery Wastewater with Combined Use of Bacteria and Constructed Wetland Treatment

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(21) 2021100962

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(54) FEED ADDITIVE TO PROMOTE THE GROWTH OF SOWS AND PIGLETS AND APPLICATIONS  
(31) CN202010545003.9(32) 15.06.20 (33) CN

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(54) PETROLEUM DRILLING ACCELE-  
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(54) Food Container

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(71) Cosmovision Global Corporation Pty  
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(71) Dargan, S.; Kumar, M.; Garg, A.; Am-  
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(54) MODEL DEVICE FOR POLLUTANT DISPERSION IN POLLUTED SOIL

(71) East China University of Technology  
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(54) CLASSIFIED STEPWISE ATTENUATION TREATMENT DEVICE FOR SOLID RADIOACTIVE WASTES

(71) eslick, r.; Eslick, L.  
(21) 2021101080 (22) 01.03.2021  
(54) Multi Purpose Cartridge Tube Spout Cutting - Tool

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(71) Garg, A.; Chaturvedi, V.; Varshney, V.; Kaur, A.; Parashar, A.; Kumar, M.; Chhabra, G.S.; Amrita, M.; Tanya, M.  
(21) 2021101097 (22) 02.03.2021  
(54) A SYSTEM AND METHOD FOR AUTOMATIC PLAYLIST GENERATION BY ANALYSING HUMAN EMOTIONS THROUGH PHYSIOLOGICAL SIGNALS

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(21) 2021100986 (22) 23.02.2021  
(54) IOT BASED WEARABLE ECG DEVICE

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(21) 2021101092 (22) 01.03.2021  
(54) ANTITHROMBOTIC HEPARINOID EXTRACTED FROM SHORT NECKED CLAM, PREPARATION METHOD AND USE THEREOF

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(21) 2021100993 (22) 23.02.2021  
(54) A Saccharum officinarum high-yield and lodging-resistant clump technique

(71) Guangxi Academy of Agricultural Sciences  
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(54) A Saccharum officinarum - Arachis hypogaea Linn Intercropping Mode

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(71) Harbin Engineering University  
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(54) Multivariate Resource Allocation Method for Heterogeneous Massive MIMO System Based on Network Slicing

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(21) 2021100964

(71) Hebei GEO University  
(21) 2021101046 (22) 26.02.2021  
(54) Novel green energy-saving house  
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(71) Hebei GEO University; First Construction Co., Ltd., China Construction Seventh Engineering Division Corp. Ltd.  
(21) 2021101050 (22) 26.02.2021  
(54) Prefabricated building quality management system

(71) Henan Agricultural University  
(21) 2021101023 (22) 24.02.2021  
(54) A kind of multi-functional preservation film for meat products and its application

(71) Henan Agricultural University  
(21) 2021101074 (22) 27.02.2021  
(54) Method for preparing gel microsphere based on anaerobic fermentation raffinate and application thereof  
(31) CN2021101405537 (32) 02.02.21 (33) CN

(71) HOME HANDY BASE PTY LTD; Schmidt, M.  
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(54) Auto-Scale Subscription Package Pricing allows vendors to create core subscription packages & define inclusion scope variables which can automatically calculate & scale-up a package price based on preconfigured customer requirements stored in a customer profile. Customers (subscribers) can make further adjustments to variables such as Quantity, Frequency & Duration at time of sign-up (subscribing). This can save vendors from having to create different types of subscription packages to cater for varied customer requirements, as well as simplify the search process for potential customers.

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(54) Fermented total mixed ration for ruminant and preparation method thereof

(71) Hunan Agricultural University  
(21) 2021101053 (22) 26.02.2021  
(54) A SUPER-HIGH-YIELD CULTIVATING METHOD FOR DOUBLE-CROPPING SUPER RICE

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(71) Ineson, M.; Ineson, L.R.  
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(54) A SLEEPER FOR A RETAINING WALL ARRANGEMENT, AND A RETAINING WALL ARRANGEMENT USING SAID SLEEPER

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(71) Ineson, M.; Ineson, L.R.  
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(21) 2021101082 (22) 01.03.2021  
(54) TILLAGE-FREE SEMI-PRECISION SOWING MACHINE

(71) Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences  
(21) 2021101115 (22) 02.03.2021  
(54) SOD protein gene sequence of Prunus pedunculata cv. Wulate and application

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(21) 2021101048 (22) 26.02.2021  
(54) A PEDV Impedance Immunobiosensor and Its Preparation Method and Application

(71) Institute of Microbiology, Chinese Academy of Sciences  
(21) 2021100996 (22) 23.02.2021  
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(54) Outdoor Bamboo Assembly Type Double-Spliced Beam Column Structure and Assembly Method and Application Thereof

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(54) Raw Bamboo Table Clock

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(54) Bamboo Guitar Musical Instrument and Manufacturing Method Thereof

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(54) A METHOD FOR THE MANUFACTURE OF THE BIO DEGRADABLE BOTTLE FROM THE POLY LACTIC ACID RESIN THROUGH THE APPLICATION OF THE INJECTION BLOW MOULDING PROCESS

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(21) 2021101070 (22) 27.02.2021  
(54) Woman Security Using IoT- Based and Machine Learning Electronic Jewelry Technology

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(71) Kulkarni, S.S.; Acharya, A.R.  
(21) 2021101098 (22) 02.03.2021  
(54) Palm tree inspired blade design for horizontal axis wind turbines

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(54) HYBRID OPTIMIZATION TECHNIQUE BASED SYSTEM AND METHOD FOR DETECTING PLAGIARISM

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(21) 2021100962

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(21) 2021101127

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(21) 2021101075

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(21) 2021100962

(71) Kushwaha, R.; Axis Institute of Technology & Management  
(21) 2021100981 (22) 22.02.2021  
(54) HYBRID TREADMILL SCOOTER

**Lakshmi, K. see Laxkar, P.**  
(21) 2021100964

(71) Laxkar, P.; Chakrabarti, T.; Hati, A.S.; Mubeen, S.; Barua, K.; Senthil, R.; Lakshmi, K.  
(21) 2021100964 (22) 22.02.2021  
(54) GPS data spoofing and malfunctioning detection system using classifiers

(71) Lay, K.  
(21) 2021101202 (22) 08.03.2021  
(54) Placemat

**Leekha, R.S. see Arora, V.**  
(21) 2021101042

(71) Leigh-Smith, C.  
(21) 2021101106 (22) 02.03.2021  
(54) E.Cue- Autism Spectrum Disorder and Mental Health management aid, housed in a hand-held mobile device with 3D-contoured topographic map styling, with integrated biofeedback technology to support emotion recognition and emotional self-regulation.

**L SHUAILY, H.S.A. see P.C., S.**  
(21) 2021101034

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(21) 2021101013

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(21) 2021101121

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(21) 2021101121

(71) M, M.; M, R.; S, J.; C, C.; S, D.K.; A, E.; P, S.; S, A.; M, A.; P, R.; V, M.  
(21) 2021101121 (22) 02.03.2021  
(54) SYSTEM AND METHOD FOR CONTROLLING FUEL DISTRIBUTION IN FUEL STATION

**M. KUMAR, S. see P.C., S.**  
(21) 2021101034

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(21) 2021101075

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(21) 2021100987

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(21) 2021101041

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**Mandal, S. see SARAVANAN, A.**  
(21) 2021101041

(71) Mandloi, J.; Bhujade, R.K.  
(21) 2021100953 (22) 20.02.2021  
(54) COMPUTER IMPLEMENTED METHOD FOR SANITIZATION & PHYSICAL DISTANCE MONITORING AND MANAGEMENT IN HOSPITAL CAMPUS

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**Manohar, K. see Srivenkatesh, M.**  
(21) 2021100988

(71) Marriwala, N.; Vohra, A.; Sharma, R.; Rathore, D.; Bachan, P.; Panda, S.; Anarase, D.S.; Shanbhog, M.; Jodha, R.; Bhandari, R.; Sampath, A.K.; Ghuge, A.C.; Panday, K.  
(21) 2021101073 (22) 27.02.2021  
(54) Adaptive clustering Based Energy Efficient System for Intelligent Routing in Wireless Sensor Networks

**MATHEW, R. see P.C., S.**  
(21) 2021101034

(71) Maxtrax Australia Pty Ltd  
(21) 2021101088 (22) 01.03.2021  
(54) An automotive tow hitch device  
(62) PCT/AU2019/051102

(71) Micheli, J.K.  
(21) 2021101094 (22) 01.03.2021  
(54) REFUSE CONTAINER FOR SAFE STORAGE AND RECYCLING OF USED GOODS

**Mishra, R. see Ratnesh, K.**  
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(21) 2021101099

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(21) 2021101126

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(21) 2021101066

(71) MONCRIEFF, P.W.  
(21) 2021101033 (22) 24.02.2021  
(54) ROAD SAFETY SYSTEM

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(21) 2021100984

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(21) 2021100964

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(71) Nanjing Chervon Industry Co., Ltd.  
(21) 2021101087 (22) 01.03.2021  
(54) BLOWER  
(31) 202010190105.3 (32) 18.03.20 (33) CN

(71) Nanjing Drum Tower Hospital  
(21) 2021101019 (22) 24.02.2021  
(54) PREPARATION METHOD AND APPLICATION OF BIOMIMETIC POROUS MESENCHYMAL STEM CELLS MICROSPPHERES  
(31) 202010139465.0 (32) 03.03.20 (33) CN

(71) NANJING FOREST POLICE COLLEGE  
(21) 2021100911 (22) 17.02.2021  
(54) ATTACK TYPE ROTOR UNMANNED AERIAL VEHICLE CARRYING FIRE-ARM

(71) NANJING FOREST POLICE COLLEGE  
(21) 2021100912 (22) 17.02.2021  
(54) SEMI-AUTOMATIC ATTACK TYPE POLICE INTELLIGENT ROTOR UNMANNED AERIAL VEHICLE

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(21) 2021101090

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(21) 2021100987

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(21) 2021101042

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(21) 2021101127

(71) Norton, M.  
(21) 2021101086 (22) 01.03.2021  
(54) Mixing station - accessory wheelie bin invention

(71) NURTURED.CO PTY LTD  
(21) 2021100992 (22) 23.02.2021  
(54) Nurtured.Co Artificial Reef Technology

**P, S. see M, M.**  
(21) 2021101121

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(21) 2021101121

(71) P.C., S.; SHERIMON, V.; MATHEW, R.; M. KUMAR, S.; V. NAIR, R.; SHAIKH, K.; AL GHAFRI, H.K.; L SHUAILY, H.S.A.  
(21) 2021101034 (22) 25.02.2021  
(54) USING CLINICAL ONTOLOGIES TO BUILD KNOWLEDGE BASED CLINICAL DECISION SUPPORT SYSTEM FOR NOVEL CORONAVIRUS (COVID-19) WITH THE ADOPTION OF TELECONFERENCING FOR THE PRIMARY HEALTH CENTRES/SATELLITE CLINICS OF ROYAL OMAN POLICE IN SULTANATE OF OMAN

**Pallathadka, H. see Thakur, N.V.**  
(21) 2021101012

(71) Panda, R.C.; Nayyar, A.; Rameshwar, R.; Mahapatra, B.; Kishor, A.; Dutta Pramanik, P.K.  
(21) 2021100987 (22) 23.02.2021  
(54) A Novel Digital Test Rig -Iron Removal Filter For Borewell Water

**Panda, B. see Pradhan, A.**  
(21) 2021101066

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(21) 2021101073

(71) Panda, R.C.; Rakshit, P.; Garg, T.; D, L.; Vani, M.M.; Reddy, R.V.; Snehi, J.; Mishra, R.K.; Bhattacharya, S.; Bhattacharyya, S.; Samanta, L.D.; Goyal, R.; Garg, A.  
(21) 2021101099 (22) 02.03.2021  
(54) A Novel Indigenous Sustainable Vaccine Carrier for Maintenance of Cold Chain

**Panday, K. see Marriwala, N.**  
(21) 2021101073

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(21) 2021100983

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(21) 2021101077

(71) Pandya, I.Y.; Sowjanya, K.; Anuradha, K.; Karuna, G.; Chordiya, S.B.; Pawar, V.P.; Raj, B.; Singh, P.K.; Singh, P.N.; Sarkar, B.K.  
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(54) DIP-Intelligent Neural Networks: Digital Image Processing Using Intelligent Neural Networks System

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(21) 2021101069

(71) PARANJYOTHI PATHI PATHI, J.; CHEEMA, P.S.  
(21) 2021101079 (22) 28.02.2021  
(54) DiQuark Secure : Our invincible DiQuark Secure detects gas, smoke, motion, monitors air quality, indicates temperature and humidity, and keeps track of your data. And you can access the data conveniently using the mobile application available for both Android and IOS for insurance purposes.

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(21) 2021101097

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(21) 2021101076

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(71) Patra, R.K.; Chandanan, A.K.; Pandey, V.; Jharia, B.; Dass, B.; Chande, M.K.; Kumar, M.S.; Sharaff, A.  
(21) 2021101077 (22) 28.02.2021  
(54) SMART SHUTTER ASSEMBLY SYSTEM

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(21) 2021101070

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(21) 2021101072

(71) Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences  
(21) 2021101015 (22) 24.02.2021  
(54) ECOLOGICAL BREEDING METHOD FOR SUPERMARKET GRASS CARP IN CYCLE PRODUCTION

Peter, G. see Vaddempudi, K.R.  
(21) 2021101013

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(21) 2021100986

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(21) 2021100985 (22) 23.02.2021  
(54) Patients Monitoring System: Monitoring of High-Risk Patients Using Machine Learning and Artificial Intelligence System

(71) Pradhan, A.; Acharya, B.; Panda, B.; Mohapatra, S.; Nanda, L.; Samal, S.; Mishra, B.; Prusty, S.R.; Dei, G.  
(21) 2021101066 (22) 26.02.2021  
(54) SOLAR BASED DOUBLE CHANNEL WATER PURIFICATION SYSTEM FOR RURAL PEOPLE

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(21) 2021101068

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(21) 2021101041

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(21) 2021100988

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(21) 2021101083

(71) Prologium Technology Co., Ltd; Prologium Holding Inc  
(21) 2021101083 (22) 01.03.2021  
(54) Multiaxial Electricity Supply System  
(31) 109203275 (32) 23.03.20 (33) TW

(71) PROSTHETIC SOLUTIONS LIMITED  
(21) 2021101055 (22) 26.02.2021  
(54) PROSTHETIC LIMB PROTECTOR  
(31) 763434 (32) 09.04.20 (33) NZ

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(21) 2021101066

(71) Qilu University of Technology  
(21) 2021101118 (22) 02.03.2021

(54) METHOD FOR PREPARING FOAMED BUFFER MATERIAL FROM WASTE PAPER RECYCLING SLUDGE  
(31) 202010274033.0 (32) 09.04.20 (33) CN

(71) Qingdao Agricultural University; Dongying Qingdao Agricultural University Saline-alkali Land High Efficiency Agricultural Technology Industry  
(21) 2021101043 (22) 26.02.2021  
(54) INVERTED  $\Pi$ -SHAPED FURROW IN SALINE-ALKALI LAND AND CONSTRUCTION METHOD AND USE THEREOF  
(31) 202011202055.2 (32) 02.11.20 (33) CN

(71) QINGDAO AGRICULTURAL UNIVERSITY  
(21) 2021100947 (22) 19.02.2021  
(54) HETEROCHROMATIC NANOPARTICLE BASED ON PH RESPONSE, PATHOGENIC BACTERIA DETECTION KIT CONTAINING THE NANOPARTICLE  
(31) 2020108231014 (32) 17.08.20 (33) CN

(71) QINGDAO AGRICULTURAL UNIVERSITY  
(21) 2021100949 (22) 19.02.2021  
(54) A METHOD FOR DETECTING BREAST DEFECTS OF BROILERS BASED ON VISIBLE SPECTROSCOPY AND LOW-FIELD NUCLEAR MAGNETIC RESONANCE

(71) QINGDAO AGRICULTURAL UNIVERSITY  
(21) 2021100950 (22) 19.02.2021  
(54) APPARATUS FOR DETECTING AND SORTING AFLATOXIN

(71) QINGDAO AGRICULTURAL UNIVERSITY  
(21) 2021100951 (22) 19.02.2021  
(54) MATERIAL SORTING MACHINE WITH AFLATOXIN DETECTION FUNCTION

(71) Qingdao Global Flexitank Logistics Co.,LTD  
(21) 2021101114 (22) 02.03.2021  
(54) A Container Insulation Bag and a Container Using the Insulation Bag  
(31) 202023064135.4 (32) 17.12.20 (33) CN

(71) Qingdao University of Science and Technology  
(21) 2021101116 (22) 02.03.2021  
(54) FLUOROBENZOBISHYDRAZIDE AZOLE COMPOUND AND USE THEREOF

(71) Qingdao University of Technology  
(21) 2021100946 (22) 19.02.2021

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(54) WATER ENVIRONMENT EVALUATION METHOD FOR LAKE EUTROPHICATION  
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(21) 2021100984

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(21) 2021101014

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(21) 2021100988

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(21) 2021100983

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(21) 2021101070

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(21) 2021101072

(71) Rajendar, G.; Kumar, B.V.; Shirbhate, A.; Choudhury, N.B.D.; Veeraj, M.S.; Veeraj, M.S.; Deepak, K.; Prakash, N.B.; Chordiya, S.B.; Sarkar, B.K.  
(21) 2021101068 (22) 27.02.2021  
(54) Electric Car: Display the Charging Location, Charging Time (Fast-Slow), Charging Rate, Battery Life Detect and Notified

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(21) 2021101130

(71) Rajkhowa, S.; Choudhury, M.; Rajesh, J.B.  
(21) 2021101130 (22) 03.03.2021  
(54) DIAGNOSTIC ASSAY FOR SIMPLE VISUAL DETECTION OF STREPTOCOCCUS SUIS

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(21) 2021100986

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(21) 2021100983

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(21) 2021100985

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(21) 2021101013

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(21) 2021100982

(71) Rathee, N.; Gupta, S.K.; Keshari, J.P.; Sinha, G.; Rana, M.; Rathee, V.; Gupta, M.  
(21) 2021100982 (22) 22.02.2021  
(54) An Innovative smart IoT Device to measure and monitor patient's Critical parameters in hospitals

Rathore, D. see Marriwala, N.  
(21) 2021101073

(71) Ratnesh, K.; Chakrabarti, T.; Mishra, R.; Rani, S.; Gurusamy, M.; P J, A.L.R.; T, A.C.M.; John, S.; Kalaiarasi, K.; Bhusare, G.N.; Chakrabarti, P.; Jadhav, C.R.  
(21) 2021101039 (22) 25.02.2021  
(54) Blended Teaching and learning management platform for primary school children during epidemic period

(71) Reddy, R.; Krishna, P.V.; sony, N.; CHOWDARY, N.N.; K, P.; U M, A.K.; Shyam, G.K.; Tengli, N.S.; Patil, A.K.; Hadimani, B.S.

(21) 2021101076 (22) 28.02.2021  
(54) SMART TRAFFIC MANAGEMENT SYSTEM FOR EMERGENCY VEHICLES

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(21) 2021101099

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(21) 2021101075

(71) Regulwar, G.B.; Nair, P.S.; Vitthal, B.S.; V. Dehankar, A.; S. Golait, S.; Thakare, A.N.; Potnurwar, A.V.; Pimpalshende, A.; Chaudhari, P.M.; Das, S.  
(21) 2021101128 (22) 03.03.2021  
(54) AWS-Cloud and Google Big Query Data Performance Improved using Machine and Deep Learning Programming

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(21) 2021100989

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(21) 2021101121

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(21) 2021101121

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(21) 2021101121

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(21) 2021100962

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(21) 2021101128

(71) Sales Technologies Pty Ltd  
(21) 2021101032 (22) 24.02.2021  
(54) METHOD OF FACILITATING NEGOTIATION OF SALES OF GOODS BETWEEN USERS IN AN ONLINE ENVIRONMENT



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(21) 2021101066

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(71) Sarangdevot, S.S.; Trivedi, M.C.  
(21) 2021100994 (22) 23.02.2021  
(54) A device for hearing impaired individual

(71) SARAVANAN, A.; Chakrabarti, T.; Bal-  
amurugan, M.; Mandal, S.; D L, S.;  
K, V.; PRAVEENA, A.; Maheswari,  
K.; Kowsalya, P.; Chakrabarti, P.; Ma-  
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(21) 2021101041 (22) 25.02.2021  
(54) Requirement based Community forma-  
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(21) 2021101070

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(21) 2021101072

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(71) Sathyamoorthy, M.; Dilip Shanti, M.;  
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hare, N.V.; S. Ali, P.; Chandrababha,  
M.; Kumar Dhanaraj, R.; Kuppusamy,  
S.  
(21) 2021100962 (22) 21.02.2021  
(54) SMART IRRIGATION ENRICHED  
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(21) 2021101095

(71) Seed Terminator Holdings Pty Ltd  
(21) 2021101122 (22) 02.03.2021  
(54) A MILL FOR DEVITALISING WEED  
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(62) 2017329248

(71) Seed Terminator Holdings Pty Ltd  
(21) 2021101123 (22) 02.03.2021  
(54) A MILL FOR DEVITALISING WEED  
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(62) 2017329248

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(21) 2021100964

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(21) 2021100965

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(21) 2021101034

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(21) 2021101073

(71) Shandong Peanut Research Institute  
(21) 2021100945 (22) 19.02.2021  
(54) APPLICATION OF BURKHOLDER-  
IA LATENS TO DEGRADATION OF  
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(31) 2021101269142 (32) 29.01.21 (33) CN

(71) Shanghai Ocean University  
(21) 2021101018 (22) 24.02.2021  
(54) Method for Predicting Recruitment of  
Peruvian squid

**Sharaff, A. see Patra, R.K.**  
(21) 2021101077

(71) Sharifzadeh, M.; Rahimi, B.; Feng, X.  
(21) 2021101014 (22) 24.02.2021  
(54) An Innovative Methodology for Identifying  
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(21) 2021100962

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(21) 2021101073

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(21) 2021100965

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(21) 2021101034

(71) Shijiazhuang Railway University  
(21) 2021101004 (22) 23.02.2021  
(54) Tensile-shear tester for frozen soil  
(31) 2020115540258 (32) 24.12.20 (33) CN

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(21) 2021101068

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(21) 2021101076

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(21) 2021100988

(71) Sicame Australia Pty Ltd  
(21) 2021101027 (22) 24.02.2021  
(54) A reusable mains-power electrical con-  
nector

(71) Sichuan Agricultural University  
(21) 2021101029 (22) 24.02.2021  
(54) DECOMPOSING AGENT, METHOD  
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(71) Sichuan Agricultural University  
(21) 2021101030 (22) 24.02.2021  
(54) FOLIAR CONDITIONER FOR REDUC-  
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(71) Sichuan Agricultural University  
(21) 2021101031 (22) 24.02.2021  
(54) BIOLOGICAL FERTILIZER FOR IN-  
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(71) Sichuan Agricultural University  
(21) 2021101101 (22) 02.03.2021  
(54) DOUBLE-LAYER PHASE CHANGE  
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(71) Sikkim Manipal Institute of Technology  
(21) 2021101009 (22) 23.02.2021

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(54) COPPER GRAPHENE NANOCOM-  
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(21) 2021101069

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(21) 2021101069

**Singh, P.K. see Kavitha, S.**  
(21) 2021101070

**Singh, P.N. see Kavitha, S.**  
(21) 2021101070

**Singh, R. see Kavitha, S.**  
(21) 2021101070

**Singh, P.K. see Pandya, I.Y.**  
(21) 2021101072

**Singh, P.N. see Pandya, I.Y.**  
(21) 2021101072

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(21) 2021100965

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(21) 2021100965

**SINGH, K. see CHANDRA, R.**  
(21) 2021101010

**Sinha, G. see Rathee, N.**  
(21) 2021100982

(71) SiteKee  
(21) 2021101120 (22) 02.03.2021  
(54) A method that ensures any person performing an asset service or visit is physically located at the asset when performing the task and provides real time information to the service provider and the asset owner. The method also includes ensuring a person visiting a location is present at that location at

that time and this information is shared with interested parties.

(71) Slack Technologies, Inc.  
(21) 2021101081 (22) 01.03.2021

(54) Method, apparatus and computer program product for generating externally shared communication channels  
(62) PCT/US2019/063852

**Snehi, J. see Panda, R.C.**  
(21) 2021101099

**Sohi, S.S. see Thakur, N.V.**  
(21) 2021101012

**sony, N. see Reddy, R.**  
(21) 2021101076

**Sorout, S. see Totewad, N.D.**  
(21) 2021101067

**South China Agricultural University, Guangzhou, China see Institute of Animal Health, Guangdong Academy of Agricultural Sciences, Guangzhou, China**  
(21) 2021101048

(71) Southwest University of Science and Technology; Computational Aerodynamics Institute of China Aerodynamics Research and Development Center  
(21) 2021101102 (22) 02.03.2021  
(54) HIGH TEMPERATURE HEAT FLOW SENSOR

**Sowjanya, K. see Pandya, I.Y.**  
(21) 2021101072

**Sreenath, N. see Tyagi, A.K.**  
(21) 2021101069

(71) Srivenkatesh, M.; Praveen Kumar, S.; Manohar, K.; Rai, K.; K, N.; Kavya, C.; Shyamala, A.; Devi, M.; Tumula, D.P.; Sambasiva Rao, G.; Sumadeep, J.; Vardhan, A.  
(21) 2021100988 (22) 23.02.2021  
(54) AN INTELLIGENT SELF PROTECTION SYSTEM FOR IOT WITH COGNITIVE FOG COMPUTING

**S T, S. see Balaji B, S.**  
(21) 2021100984

(71) Steel and Rural Australia Pty Ltd  
(21) 2021101059 (22) 26.02.2021  
(54) A Fence Post  
(31) 2020901281 (32) 23.04.20 (33) AU

**Sumadeep, J. see Srivenkatesh, M.**  
(21) 2021100988

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

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(21) 2021101039

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(21) 2021101097

(71) Tea Research Institute, Guangdong Academy of Agricultural Sciences  
(21) 2021101020 (22) 24.02.2021  
(54) APPLICATION OF EXOCARPIUM CITRI GRANDIS TEA IN PREPARATION OF ANTI-HEPATOMA DRUGS  
(31) 2020106959099 (32) 17.07.20 (33) CN

(71) Techtronic Cordless GP  
(21) 2021101003 (22) 23.02.2021  
(54) Blower  
(31) 202020209922.4 (32) 26.02.20 (33) CN

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(21) 2021101076

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(21) 2021101128

(71) Thakur, N.V.; Sohi, S.S.; Arora, J.; Pal-lathadka, H.; Kataria, A.; Gupta, S.  
(21) 2021101012 (22) 24.02.2021  
(54) A SYSTEM FOR TRANSLATING SIGN LANGUAGE INTO SPEECH AND VICE-VERSA

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(21) 2021101109

(71) The First Affiliated Hospital of Wenzhou Medical University  
(21) 2021101036 (22) 25.02.2021  
(54) Application of AP-1 in the preparation of markers for autoimmune liver disease

(71) The First Affiliated Hospital of Wenzhou Medical University  
(21) 2021101105 (22) 02.03.2021  
(54) Application of USP4 as a biomarker of autoimmune liver disease

(71) Thermotec Australia Pty Ltd  
(21) 2021101113 (22) 02.03.2021

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(54) Open cell polymer foam

(71) The Third Hospital of Hebei Medical University

(21) 2021101103 (22) 02.03.2021

(54) A bone cement negative pressure stirring device

(71) The Third Hospital of Hebei Medical University

(21) 2021101104 (22) 02.03.2021

(54) Vertebral body flushing system

(71) TIAN, Z.; CUI, J.

(21) 2021101022 (22) 24.02.2021

(54) PORTABLE INSULIN ATOMIZATION ADMINISTRATION DEVICE

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(21) 2021100985

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(21) 2021100984

(71) Totewad, N.D.; Sorout, S.; Sarwade, P.P.; (Sarwade), K.N.G.; Wadekar, M.P.

(21) 2021101067 (22) 26.02.2021

(54) BACOPA MONNIERI BASED EDIBLE COOKIES FOR ENHANCED COGNITIVE PERFORMANCE

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(21) 2021101010

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(21) 2021100994

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(71) Tyagi, A.K.; Kakulapati, V.; Paramasivam, A.; Sindhu, S.; Singh, A.; Chordiya, S.B.; Sarkar, B.K.; Sreenath, N.; K, V.

(21) 2021101069 (22) 27.02.2021

(54) Intelligent-SIM: multiple company mobile number installed in single SIM

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(21) 2021101082

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(21) 2021101076

(71) University of South China

(21) 2021100995 (22) 23.02.2021

(54) WEARABLE AND SELF-ENERGIZED SAFETY MONITORING AND ALARM SYSTEM

(71) University of South China

(21) 2021100998 (22) 23.02.2021

(54) WIRELESS SENSOR NETWORK-BASED INTELLIGENT SAFETY MONITORING SYSTEM FOR UNDERGROUND NON-COAL MINE

(71) University of South China

(21) 2021101002 (22) 23.02.2021

(54) WIRELESS SENSOR NETWORK-BASED INTELLIGENT MONITORING AND EARLY-WARNING SYSTEM FOR WATER AND SOIL CONTAMINATION IN URANIUM TAILINGS POND

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(21) 2021100957

(71) Usman, M.R.M.; Jain, B.V.; Jagtap, V.A.; Jhade, D.; Dwivedi, S.; Usman, M.Z.S.

(21) 2021100957 (22) 20.02.2021

(54) A formulation for treatment of cancer and method of preparation thereof

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(21) 2021101121

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(21) 2021100989

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(21) 2021101128

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(21) 2021101034

(71) Vaddempudi, K.R.; Rastogi, P.; Binoj, J.; Verma, S.L.; Peter, G.; A, J.L.; M, V.; Bhattacharya, B.; K R, P.K.; Y H, S.K.; K, B.

(21) 2021101013 (22) 24.02.2021

(54) AIOT BASED PANDEMIC RELATED SMART HEALTH MANAGEMENT SYSTEM FOR INDUSTRIAL WORKERS

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(21) 2021101068

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(21) 2021101068

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(21) 2021101075

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(21) 2021101013

(71) Verma, A.; Zuhair, M.; Bhattacharya, P.; Dewangan, R.K.; Bodkhe, U.; Deshmukh, V.; Kelotra, A.

(21) 2021101071 (22) 27.02.2021

(54) DATA SCIENCE/ ENGINEERING IN ADVANCED SUPPLY CHAIN PROCESS USING BLOCK CHAIN TECHNOLOGY

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(21) 2021101128

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(21) 2021101073

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(21) 2021101067

(71) Walker, P.

(21) 2021101061 (22) 26.02.2021

(54) System for forming lightweight concrete (31) 2020900617 (32) 02.03.20 (33) AU

(71) Wang, Z.

(21) 2021100474 (22) 25.01.2021

(54) Adversary Distillation for one-shot attacks on 3D target tracking

(71) Wuyi University

(21) 2021101062 (22) 26.02.2021

(54) Novel automatic screw locking machine for flexible manufacturing

(71) Xi'an AoLanPaTe Technology Co., Ltd.; Beijing Institute of Technology

(21) 2021101038 (22) 25.02.2021

(54) Thermal conductivity analysis model of graphene composites based on neural network analysis

(31) GB21026232 (32) 24.02.21 (33) GB

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(71) XUCHANG UNIVERSITY  
 (21) 2021101040 (22) 25.02.2021  
 (54) ELECTRICAL TEST BOX FOR SUB-STATION

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 (21) 2021101017

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(71) Xuzhou University of Technology;  
 Xuzhou Meixin Food Co.,LTD  
 (21) 2021101017 (22) 24.02.2021  
 (54) A special flavor probiotic mushroom soup and a preparation method thereof

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**YADAV, S. see CHANDRA, R.**  
 (21) 2021101010

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(71) Yangzhou University  
 (21) 2021101008 (22) 23.02.2021  
 (54) USE OF CAPSAICIN AND COLISTIN IN PREPARING A MEDICAMENT FOR INHIBITING ACINETOBACTER BAUMANNII INFECTION  
 (31) 2020104661973 (32) 28.05.20 (33) CN

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(71) Yanshan University; Handan College  
 (21) 2021101058 (22) 26.02.2021  
 (54) Ankle Rehabilitation Device

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 (21) 2021101013

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(71) Zhejiang Blueshield Pharmaceutic Company; Nanjing Normal University  
 (21) 2021101090 (22) 01.03.2021  
 (54) A fatty liver cell model and its construction method

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(71) ZHONGFANLIAN TECHNOLOGY DEVELOPMENT CO., LTD  
 (21) 2021101035 (22) 25.02.2021  
 (54) PROCESS FOR RECOVERING AMMONIA FROM VANADIUM PREPARATION FOR AMMONIUM PREPARATION AND RECYCLING WASTEWATER

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 (21) 2021101071

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<b>2021100950</b>	QINGDAO AGRICULTURAL UNIVERSITY	<b>2021101020</b>	Tea Research Institute, Guangdong Academy of Agricultural Sciences
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<b>2021100957</b>	Usman, M.R.M.; Jain, B.V.; Jagtap, V.A.; Jhade, D.; Dwivedi, S.; Usman, M.Z.S.	<b>2021101023</b>	Henan Agricultural University
<b>2021100962</b>	Sathyamoorthy, M.; Dilip Shanti, M.; CHATTERJEE, P.; Sharma, V.; Gandhare, N.V.; S. Ali, P.; Chandraprabha, M.; Kumar Dhanaraj, R.; Kuppusamy, S.	<b>2021101024</b>	China Three Gorges University
<b>2021100964</b>	Laxkar, P.; Chakrabarti, T.; Hati, A.S.; Mubeen, S.; Barua, K.; Senthil, R.; Lakshmi, K.	<b>2021101025</b>	China Three Gorges University
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<b>2021100981</b>	Kushwaha, R.; Axis Institute of Technology & Management	<b>2021101027</b>	Sicame Australia Pty Ltd
<b>2021100982</b>	Rathee, N.; Gupta, S.K.; Keshari, J.P.; Sinha, G.; Rana, M.; Rathee, V.; Gupta, M.	<b>2021101028</b>	Battery Graphene Corp Pty Ltd
<b>2021100983</b>	Deswal, L.; Kumar, R.K.; D. Phatangare, N.; Pandey, S.K.; Rao, M.N.; Bharti, (.P.K.; Chordiya, (.S.B.; Raj, (.B.; Singh, P.N.; Sarkar, (.B.	<b>2021101029</b>	Sichuan Agricultural University
<b>2021100984</b>	Balaji B, S.; R, M.; M S, S.; T N, P.; S T, S.	<b>2021101030</b>	Sichuan Agricultural University
<b>2021100985</b>	Pradhan, D.; Pradhan, S.; Patra, P.K.; Raghuram, B.; Tiwari, A.; Darbari, M.; Behera, B.; Tripathy, G.; Chordiya, S.B.; Rao, M.N.	<b>2021101031</b>	Sichuan Agricultural University
<b>2021100986</b>	Geetha, S.; Phamila, Y.A.; Rajotia, M.; Goyal, A.; Kapil, V.; Sharma, R.; Chaudhary, S.	<b>2021101032</b>	Sales Technologies Pty Ltd
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<b>2021100988</b>	Srivenkatesh, M.; Praveen Kumar, S.; Manohar, K.; Rai, K.; K, N.; Kavya, C.; Shyamala, A.; Devi, M.; Tumula, D.P.; Sambasiva Rao, G.; Sumadeep, J.; Vardhan, A.	<b>2021101034</b>	P.C., S.; SHERIMON, V.; MATHEW, R.; M. KUMAR, S.; V. NAIR, R.; SHAIKH, K.; AL GHAFRI, H.K.; L SHUAILY, H.S.A.
<b>2021100989</b>	K., H.; C, A.V.K.; S, S.; J., A.K.G.; DARNEY, P.; R, ..G.; R., A.J.; A., A.R.; J., S.; S., S.; S., ..; V., B.	<b>2021101035</b>	ZHONGFANLIAN TECHNOLOGY DEVELOPMENT CO., LTD
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2021101079	eslick, r.; Eslick, L.	2021101114	Qingdao Global Flexitank Logistics Co.,LTD
2021101080	Slack Technologies, Inc.	2021101115	Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences
2021101081	INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES; ULANHOT SHUNYUAN AGRICULTURAL MACHINERY MANUFACTURING CO., LTD.; INNER MONGOLIA UNIVERSITY	2021101116	Qingdao University of Science and Technology
2021101082	Prologium Technology Co., Ltd; Prologium Holding Inc	2021101118	Qilu University of Technology
2021101083	Cosmos Solar Pty Ltd	2021101120	SiteKee
2021101084	CHINA UNIVERSITY OF PETROLEUM (EAST CHINA)	2021101121	M, M.; M, R.; S, J.; C, C.; S, D.K.; A, E.; P, S.; S, A.; M, A.; P, R.; V, M.
2021101086	Norton, M.	2021101122	Seed Terminator Holdings Pty Ltd
2021101087	Nanjing Chervon Industry Co., Ltd.	2021101123	Seed Terminator Holdings Pty Ltd
2021101088	Maxtrax Australia Pty Ltd	2021101126	B, R.; S, K.D.; MOBI, R.; S V, S.; CB, S.
2021101089	BENELEC PTY. LIMITED	2021101127	Anuradha, M.; Raman, V.V.R.; R, M.; Kumar J, S.; Hanumanthakari, S.; Niranjana, S.K.; Naji Saif, M.A. Regulwar, G.B.; Nair, P.S.; Vitthal, B.S.; V. Dehankar, A.; S. Golait, S.; Thakare, A.N.; Potnurwar, A.V.; Pimpalshende, A.; Chaudhari, P.M.; Das, S.
		2021101128	Jain, P.; Arya, D.; Chaturvedi, G.; Gupta, G.; Bhatnagar, B.
		2021101130	Rajkhowa, S.; Choudhury, M.; Rajesh, J.B.
		2021101202	Lay, K.

Applications with amended filing dates Reg 3.5(A).

2020289884	<b>Aldaree Cattle Co</b>	The filing date has been amended to 20.01.2021
2020901330	<b>AERO CHAMBER PTY LTD</b>	The filing date has been amended to 01.05.2020
2020902299	<b>Bourne, T.</b>	The filing date has been amended to 07.07.2020
2020904071	<b>Smajic, S.; smajic, s.</b>	The filing date has been amended to 20.11.2020

**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)
- 28 Application Lapsed Reg. 22.15A(3)

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

G Patents Certified

N Applications not Open to Public Inspection

**1998**

1998087217 ( 14 )

**2001**

2001023215 ( 14 )    2001023232 ( 14 )    2001024790 ( 14 )  
 2001024797 ( 14 )    2001024798 ( 14 )    2001024853 ( 14 )  
 2001024874 ( 14 )    2001034006 ( 14 )    2001034167 ( 14 )  
 2001035852 ( 14 )    2001038702 ( 14 )    2001041773 ( 14 )  
 2001045394 ( 14 )    2001046340 ( 14 )    2001046495 ( 14 )  
 2001050003 ( 14 )    2001061879 ( 14 )    2001063606 ( 14 )  
 2001233979 ( 14 )    2001234175 ( 14 )    2001235262 ( 14 )  
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**2002**

2002038260 ( 14 )    2002300772 ( 14 )    2002326692 ( 14 )  
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**2003**

2003249730 ( 14 )    2003255451 ( 14 )    2003258407 ( 14 )  
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**2004**

2004203415 ( 14 )    2004232328 ( 14 )    2004264311 ( 14 )  
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**2005**

2005202583 ( 14 )    2005203707 ( 14 )    2005203708 ( 14 )  
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2006203165 ( 14 )    2006203528 ( 14 )    2006203593 ( 14 )  
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**2007**

2007200503 ( 14 )    2007207873 ( 14 )    2007207884 ( 14 )  
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2009210359 ( 14 )    2009282454 ( 14 )    2009282598 ( 14 )  
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**2012**

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 2012296382 ( 14 ) 2012296411 ( 14 ) 2012296446 ( 14 )  
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2013100199 ( 22 ) 2013100200 ( 22 ) 2013100201 ( 22 )  
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**2015**

2015100857 ( 22 ) 2015101117 ( 22E ) 2015101125 ( 22E )  
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**2016**

2016202820 ( 1B ) 2016202871 ( 1B ) 2016208779 ( 25D )  
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**2017**

2017201522 ( 1B ) 2017201523 ( 1B ) 2017201601 ( 1B )

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**2018**

2018101190 ( 22E ) 2018101195 ( 22E ) 2018101196 ( 22E )  
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**2019**

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 2019222850 ( 5C ) 2019222922 ( 5C ) 2019229418 ( 4C )  
 2019269633 ( 7A ) 2019284107 ( 5C ) 2019287519 ( 5C )  
 2019287520 ( 5C )

**2020**

2020100972 ( 21F ) 2020101175 ( 21F ) 2020103914 ( 18AN )  
 2020281180 ( 1B ) 2020286181 ( 1B ) 2020286199 ( 1B )  
 2020286205 ( 1B ) 2020286280 ( 1B ) 2020900722 ( 12AN )

**2021**

2021100881 ( 12AN ) 2021201125 ( 12AN ) 2021900540 ( 12AN )

**Assignments before Grant, Section 113**

**2016**

2016324335 ecoduna AG The application has been assigned to **Beco Invest B.V.**

**2017**

2017228413 University of Massachusetts The application has been assigned to **University of Massachusetts; Voyager Therapeutics, Inc.**

2017317622 ecoduna AG The application has been assigned to **Beco Invest B.V.**



**Assignments before Grant, Section 113**

**2018**

2018256552 GBIP Pty Ltd The application has been assigned to **Osborne, Dare**

**2019**

2019218153 Shanghai Dongxi Zhihui Biological Medicine Co., Ltd. The application has been assigned to **Shanghai Pharmaceuticals Holding Co., Ltd**

2019225893 MJ Stewart Investments, LLC The application has been assigned to **MedLite ID Inc.**

2019325261 Bacainn Therapeutics, Inc. The application has been assigned to **BACAINN BIOTHERAPEUTICS, LTD.**

**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.

**2003**

2003229675 **Highway Care Ltd** An application to extend the time from 14 Apr 2020 to 14 Dec 2020 in which to pay a renewal fee has been filed . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton ACT 3186 AU

**2005**

2005240230 **Dethier, L.F.G.** An application to extend the time from 03 May 2020 to 03 Jan 2021 in which to pay the renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth St Sydney NSW 2000 AU

**2015**

2015100303 **Tanzee Holdings Pty Ltd** An application to extend the time from 10 Mar 2020 to 10 Dec 2020 in which to pay the renewal fee has been filed . Address for service - Madison Lucy Rapa 1 Waterhen Cl Ocean Grove VIC 3226 AU

2015230878 **Mudgie Shirts** An application to extend the time from 04 Aug 2020 to 04 Sep 2020 in which to request examination has been filed . Address for service - O MURPHY & S.L YOUNG P.O. Box 105 Mirriwinni QLD 4871 AU

**2016**

2016100699 **Direct Injection Systems Pty Ltd** An application to extend the time from 21 May 2020 to 21 Mar 2021 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

2016216548 **Bloch, G.** An application to extend the time from 19 Jul 2020 to 19 Feb 2021 in which to request examination and pay the continuation fee has been filed . Address for service - Intelpro GPO Box 1339 Brisbane QLD 4001 AU

**Extensions of Time, Section 223**

**2020**

2020201384 **GENEVANT SCIENCES GMBH** An application to extend the time from 30 Jul 2020 to 28 Feb 2021 in which to pay the continuation fee has been filed . Address for service - Houlihan<sup>2</sup> Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2020201813 **Zeus Industrial Products, 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 - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020233781 **Quanta Associates, L.P.** An application to extend the time from 21 Jun 2019 to 21 Sep 2020 in which to make a further application for a divisional patent has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2002**

2002242463 **The Department of Sustainability and Environment for and on Behalf of the Crown in Right of the State of Victoria** The time in which to pay the renewal fee has been extended to 20 Oct 2020 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2002244502 **The Department of Sustainability and Environment for and on Behalf of the Crown in Right of the State of Victoria** The time in which to pay the renewal fee has been extended to 20 Oct 2020 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2004**

2004230889 **Pharmacyclics LLC** The time in which to pay a renewal fee has been extended to 06 Jan 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2005**

2005228903 **Textured Coatings of America, Inc** The time in which to pay the renewal fee has been extended to 28 Oct 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2006**

2006201819 **F F Seeley Nominees Pty Ltd** The time in which to pay a renewal fee has been extended to 02 Dec 2020 . Address for service - SEELEY INTERNATIONAL PTY. LTD. 112 O'Sullivan Beach RD Lonsdale SA 5160 AU

**2007**

2007203063 **The Department of Sustainability and Environment for and on Behalf of the Crown in Right of the State of Victoria** The time in which to pay the renewal fee has been extended to 20 Oct 2020 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2008**

2008216683 **THE UAB RESEARCH FOUNDATION** The time in which to pay a renewal fee has been extended to 15 Sep 2020 . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

**Extensions of Time, Section 223**

**2012**

2012222738 **Livzon MabPharm Inc.** The time in which to pay a renewal fee has been extended to 13 Dec 2020 . Address for service - Collision & Co Gpo Box 2556 Adelaide SA 5001 AU

**2014**

2014242041 **Aquinox Pharmaceuticals (Canada) Inc.** The time in which to pay the renewal fee has been extended to 27 Oct 2020 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

**2016**

2016228963 **Scancam Industries Pty Ltd** The time in which to gain acceptance has been extended to 18 Mar 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2016275548 **Hairy Turtle Pty Ltd** The time in which to request examination has been extended to 18 Dec 2019 . Address for service - McCarthy Durie Lawyers 239 George St Brisbane QLD 4000 AU

2016343320 **Hohai University** The time in which to pay the renewal fee has been extended to 06 Dec 2020 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2017**

2017200610 **Dehlsen Associates, LLC** The time in which to pay the renewal fee has been extended to 17 Oct 2020 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017371378 **Metis Technologies Pty Ltd** The time in which to request examination has been extended to 03 Feb 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018100509 **Guangdong Toplux china Cabinet Co., Ltd** The time in which to pay the renewal fee has been extended to 19 Nov 2020 . Address for service - Bryan Liang L 33 ANZ Centre 23-29 Albert St Auckland 1010 NZ

2018102194 **Beijing Didi Infinity Technology and Development Co., Ltd.** The time in which to comply with a direction under Reg 3.2B has been extended to 12 Feb 2021 . Address for service - Caska Intellectual Property Pty Ltd PO Box 6061 PYMBLE NSW 2073 AU

2018237327 **DH2I Company** The time in which to request examination has been extended to 05 Jun 2021 . Address for service - Wallington-Dummer SE 1005, 37 Bligh St Sydney NSW 2000 AU

2018286589 **CyMedica, Inc.** The time in which to pay the continuation fee has been extended to 14 Oct 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019219834 **BioSpecifics Technologies Corporation; Duke University** The time in which to pay the continuation fee has been extended to 14 Oct 2020 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

2019222848 **Syros Pharmaceuticals, Inc.** The time in which to pay the continuation fee has been extended to 03 Nov 2020 . Address for ser-

**Extensions of Time, Section 223**

vice - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

2019301232 **AIRBUS DEFENCE AND SPACE LIMITED; AIRBUS DEFENCE AND SPACE SAS** The time in which to enter the National Phase has been extended to 12 Mar 2021 . Address for service - Houlihan<sup>2</sup> Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

**2020**

2020201836 **A60N Group Pty Ltd** The time in which to comply with a direction under Reg 3.2A has been extended to 16 Nov 2020 . Address for service - Daniel Bryan Taylor 4 Bywood Way Lynwood WA 6147 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.

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**

2014262221 Wear part monitoring **ESCO Group LLC** The nature of the amendment is as shown in the statement(s) filed 27 Jan 2021 . Address for service - MINTER ELLISON Rialto Towers 525 Collins Street Melbourne VIC 3000 AU

**2015**

2015252858 Compositions and methods for modulating Complement Factor B expression **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Mar 2021 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

2015308527 Combination therapy of tumor-targeted IL-2 variant immunocytokines and antibodies against human PD-L1 **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2015349722 Systems and methods for generating liquid water from air **Arizona Board of Regents on behalf of Arizona State University** The nature of the amendment is as shown in the statement(s) filed 02 Mar 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2016**

2016253640 Wear assembly **ESCO Group LLC** The nature of the amendment is as shown in the statement(s) filed 27 Jan 2021 . Address for service - MINTER ELLISON Rialto Towers 525 Collins Street Melbourne VIC 3000 AU

2016262615 Compositions for fecal floral transplantation and methods for making and using them and devices for delivering them **Crestovo Holdings LLC** The nature of the amendment is as shown

**Amendments**

in the statement(s) filed 02 Mar 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016281433 Tissue culture apparatus and method **Auckland UniServices Limited** The nature of the amendment is as shown in the statement(s) filed 17 Feb 2021 . Address for service - Catalyst Intellectual Property PO BOX 25520 Wellington 6146 NZ

2016343674 Wound therapy device and method **Lorain County Community College Innovation Foundation** The nature of the amendment is as shown in the statement(s) filed 21 Dec 2020 . Address for service - Caska Intellectual Property Pty Ltd PO BOX 6061 PYMBLE NSW 2073 AU

**2017**

2017315265 Method for treating pruritus and/or itch **Neurim Pharmaceuticals (1991) Ltd.** 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

**Amendments Made****2015**

2015339130 **NGM Biopharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 14 Aug 2020

2015358566 **The Government of the United States as represented by The Secretary of the Army; 60 Degrees Pharmaceuticals, LLC** The nature of the amendment is as shown in the statement filed 30 Nov 2020

**2016**

2016279758 **CyPlus GmbH** The nature of the amendment is: Amend the name of the inventor to read Henkel, Jens; Rassbach, Jürgen; Trenkmann, Klaus; Jafeld, Markus and Glöckler, Bernd

2016387413 **System Stormseal Pty Ltd** The nature of the amendment is as shown in the statement filed 04 Dec 2020

**2017**

2017202369 **NATIONAL RESEARCH COUNCIL OF CANADA** The nature of the amendment is: Amend the invention title to read Patterned Film for Forming Fluid-Filled Blister, Microfluidic Blister, and Kit and Method of Forming

2017209835 **BASF SE** The nature of the amendment is as shown in the statement filed 30 Nov 2020

2017234645 **Weir Slurry Group, Inc.** The nature of the amendment is as shown in the statement filed 18 Nov 2020

2017238817 **OSAKA UNIVERSITY; FunPep Co., Ltd.** The nature of the amendment is: Amend the invention title to read Conjugate vaccine targeting a disease-causing biological protein

2017267771 **Komatsu Ltd.** The nature of the amendment is as shown in the statement filed 21 Oct 2020

**Amendments**

2017280488 **GEA TDS GmbH** The nature of the amendment is as shown in the statement filed 27 Oct 2020

2017299238 **PARAMEVIA PTE. LTD.** The nature of the amendment is as shown in the statement filed 02 Dec 2020

**2018**

2018102073 **Kilmallock (ACT) Pty Ltd** The nature of the amendment is as shown in the statements filed 30 Aug 2020 and 13 Nov 2020

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

2018238165 **Peptron, Inc.** The nature of the amendment is as shown in the statement filed 04 Dec 2020

2018251624 **Pharmako Biotechnologies Pty Limited** The nature of the amendment is: Amend the name of the inventor to read Kokkinis, George and Bala, Vaskor

2018296739 **RSM Imagineering AS** The nature of the amendment is as shown in the statement filed 30 Nov 2020

2018378201 **Heat Biologics, Inc.** The nature of the amendment is: Amend the name of the inventor to read HALLET, Damien and SCHREIBER, Taylor

2018396402 **Asahi Kasei Pharma Corporation** The nature of the amendment is as shown in the statement filed 30 Nov 2020

2018423508 **Webuild S.p.A.** The nature of the amendment is: Amend the name of the inventor to read VALIANTE, Nicola and BUFFA, Alberto

2018435033 **Guangzhou Xaircraft Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read Methods and devices for adjusting flight height for unmanned aerial vehicle, and methods and devices for controlling flight of unmanned aerial vehicle

2018437459 **Howhigh Science & Technology (Hangzhou) Co., Ltd.** The nature of the amendment is: Amend the invention title to read STRUVITE AND EXTRACTING METHOD THEREFOR

2018439003 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Centrifugal air-sending device, air-sending apparatus, air-conditioning apparatus, and refrigeration cycle apparatus

2018439635 **Next2Me, LLC** The nature of the amendment is: Amend the name of the inventor to read PETERSON, Ralph, L. and WILLIMAN, Renee, D.

2018440246 **Nippon Yusen Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read Draft estimation system, draft estimation apparatus, information transmission apparatus, and loading/unloading simulation apparatus

**Amendments**

2018442248 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read NETWORK SELECTION METHOD AND APPARATUS APPLIED TO MOBILE TERMINAL

**2019**

2019201131 **GlaxoSmithKline Biologicals s.a.** The nature of the amendment is as shown in the statement filed 08 Dec 2020

2019201997 **Biogen MA Inc.** The nature of the amendment is as shown in the statement filed 30 Nov 2020

2019231273 **EpiBone, Inc.** The nature of the amendment is: Amend the name of the inventor to read BHUMIRATANA, Sarindr; KELLY, Terri-Ann; JEFFRIES, Eric Meade; BEANE, Olivia Spencer and HUANG, Angela Hai

2019274046 **Sharp Kabushiki Kaisha; FG Innovation Company Limited** The nature of the amendment is: Amend the invention title to read User equipment, control apparatus, and communication control method

2019288459 **Omeros Corporation** The nature of the amendment is as shown in the statement filed 15 Jan 2021 and 2 Mar 2021

2019299812 **LG Chem, Ltd.** The nature of the amendment is as shown in the statements filed 01 Feb 2021 and 1 Mar 2021

2019310855 **CAFA Therapeutics Limited** The nature of the amendment is as shown in the statement filed 18 Feb 2021

2019312008 **Kyoto University; National University Corporation Shiga University of Medical Science** The nature of the amendment is: Amend the invention title to read Method for generating cells into which an exogenous antigen receptor is introduced

2019312370 **Nanopareil, LLC** The nature of the amendment is: Amend the invention title to read Membrane capsule

2019313945 **The University of Tokyo; Osaka University** The nature of the amendment is: Amend the invention title to read Highly versatile method for granting new binding specificity to antibody

2019323956 **JFE Steel Corporation** The nature of the amendment is: Amend the invention title to read METHOD OF PRODUCING HOT-DIP METAL COATED STEEL STRIP AND CONTINUOUS HOT-DIP METAL COATING LINE

2019327449 **Flagship Pioneering Innovations Vi, LLC** The nature of the amendment is: Amend the name of the inventor to read RUBENS, Jacob Rosenblum; VON MALTZAHN, Geoffrey A.; CIT-ORIK, Robert James; STEINBERG, Barrett Ethan; LI, Donghui and SA-LOMON, William Edward

2019332107 **Oxford University Innovation Limited** The nature of the amendment is: Amend the name of the inventor to read GILBERT, Sarah and MORRIS, Susan Jane

2019333452 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read PICTURE PARTITIONING METHOD AND APPARATUS

**Amendments**

2019338745 **NEC Platforms, Ltd.** The nature of the amendment is: Amend the invention title to read TELEPHONE EXCHANGE, HOLD TONE NOTIFICATION METHOD, AND HOLD TONE NOTIFICATION PROGRAM

2019340624 **JFE Steel Corporation** The nature of the amendment is: Amend the invention title to read STEEL MATERIAL AND METHOD OF PRODUCING SAME

2019343552 **Tokuyama Dental Corporation** The nature of the amendment is: Amend the invention title to read Photocurable composition, denture relining material, and kit for preparing these

2019363932 **HotaluX, Ltd.** The nature of the amendment is: Amend the invention title to read CONTROL DEVICE, CONTROL DEVICE SYSTEM, RUNWAY FLASH LIGHTING DEVICE CONTROL SYSTEM, PROGRAM, AND RECORDING MEDIUM

2019365599 **HotaluX, Ltd.** The nature of the amendment is: Amend the invention title to read RUNWAY-EMBEDDED FLASH LIGHTING DEVICE

2019366018 **HotaluX, Ltd.** The nature of the amendment is: Amend the invention title to read RUNWAY-EMBEDDED FLASH LIGHTING DEVICE

2019367751 **HotaluX, Ltd.** The nature of the amendment is: Amend the invention title to read LED FLASH LIGHT SOURCE AND RUNWAY-EMBEDDED FLASH LIGHTING DEVICE

2019372717 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Display control system, display control method and remote operation system

**2020**

2020201283 **Castle Wall Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Castle, Cameron Glenn; Ogle, David and Castle, Glenn Alan

2020203680 **Commercialisation Express Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2020104418

2020204646 **Commercialisation Express Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2020104419

**2021**

2021200976 **TuSimple, Inc.** The nature of the amendment is: Amend the invention title to read Managing redundant steering system for autonomous vehicles

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

**2003**

2003212880 **WeightWatchers.com ; WW International, Inc.** The name of the patentee has been altered to **WW.com, LLC; WW International, Inc.**

**Amendments****2008**

2008274042 Benedicte ASIUS; Elisabeth LAUGIER The name of the patentee has been altered to **Lanoir, G.**

**2017**

2017240761 Colorado State University Research Foundation; The Regents of The University of Colorado The name of the applicant has been altered to **Colorado State University Research Foundation; The Regents of the University of Colorado, a body corporate**

2017302286 Michael Albert; Lawrence Binder ; Band-Lok, LLC The name of the applicant has been altered to **OrthoPediatrics Corp.; Kapstone Medical, LLC**

2017341825 Retrophin, Inc. The name of the applicant has been altered to **Travere Therapeutics, Inc.**

**2018**

2018223149 Astrazeneca AB The name of the applicant has been altered to **AstraZeneca AB**

2018413669 Guangdong Oppo Mobile Telecommunications Corp. , Ltd. The name of the applicant has been altered to **Guangdong Oppo Mobile Telecommunications Corp., Ltd.**

**2019**

2019246783 Terressentia Corporation The name of the patentee has been altered to **Green River Spirits Company**

2019303081 F-Star Delta Limited The name of the applicant has been altered to **F-STAR DELTA LIMITED**

2019325988 Baker Hughes, a GE company, LLC The name of the applicant has been altered to **BAKER HUGHES HOLDINGS LLC**

2019432628 Mitsubishi Hitachi Power Systems, Ltd. The name of the applicant has been altered to **Mitsubishi Power, Ltd.**

**2020**

2020101347 Volt Power Limited The name of the patentee has been altered to **Volt Power Group Limited**

2020201385 Plano Molding Company The name of the applicant has been altered to **Plano Molding Company, LLC**

**2021**

2021200910 Clawson, Jeffrey The name of the applicant has been altered to **Clawson, J.J.**

2021201138 TRI ALPHA ENERGY, INC. The name of the applicant has been altered to **Tae Technologies, Inc.**

Applications Open to Public Inspection

Name Index

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

<p>(71) 2330-2029 Québec Inc.                      (11) AU-A-2021200170                      (21) 2021200170 (22) 13.01.2021                      (54) Knee orthosis with helicoidal axis and method of design and fabrication thereof                      (51) Int. Cl.  <i>A61F 5/01</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2018379418                      (72) BLEAU, Jacinte; HINSE, Sébastien; LABELLE, Maxime                      (74) FB Rice Pty Ltd</p> <hr/> <p>(71) 3D Glass Solutions, Inc.                      (11) AU-A-2021201253                      (21) 2021201253 (22) 26.02.2021                      (54) 2D AND 3D RF LUMPED ELEMENT DEVICES FOR RF SYSTEM IN A PACKAGE PHOTOACTIVE GLASS SUBSTRATES                      (51) Int. Cl.  <i>H03H 1/00</i> ( 2006.01 )  <i>C03C 15/00</i> ( 2006.01 )  <i>H01L 23/08</i> ( 2006.01 )  <i>H01L 23/66</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2018297035                      (72) Flemming, Jeb H.; Bullington, Jeff; McWethy, Kyle                      (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p> <hr/> <p>(71) AbbVie Inc.                      (11) AU-A-2021200101                      (21) 2021200101 (22) 08.01.2021                      (54) Bromodomain inhibitors                      (51) Int. Cl.  <i>C07D 471/04</i> ( 2006.01 )  <i>A61K 31/407</i> ( 2006.01 )  <i>A61K 31/437</i> ( 2006.01 )  <i>A61P 3/10</i> ( 2006.01 )  <i>A61P 13/12</i> ( 2006.01 )  <i>A61P 31/18</i> ( 2006.01 )  <i>A61P 35/00</i> ( 2006.01 )  <i>C07D 487/04</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2017251537                      (72) FIDANZE, Steven D.; HASVOLD, Lisa A.; LIU, Dachun; MCDANIEL, Keith F.; PRATT, John; SCHRIMPF, Michael; SHEPPARD, George S.; WANG, Le; LI, Bing                      (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Ab Initio Technology LLC                      (11) AU-A-2021201363                      (21) 2021201363 (22) 02.03.2021</p>	<p>(54) FORMAT-SPECIFIC DATA PROCESSING OPERATIONS                      (51) Int. Cl.  <i>G06F 9/44</i> ( 2018.01 )  <i>G06F 9/445</i> ( 2018.01 )  <i>G06F 11/36</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2017274407                      (72) Isman, Marshall A.; Joyce, John                      (74) RnB IP Pty Ltd</p> <hr/> <p>(71) Abiomed, Inc.                      (11) AU-A-2021200363                      (21) 2021200363 (22) 20.01.2021                      (54) Hemostatic valve for medical device introducer                      (51) Int. Cl.  <i>A61M 39/06</i> ( 2006.01 )  <i>A61B 17/34</i> ( 2006.01 )  <i>A61M 5/178</i> ( 2006.01 )  <i>A61M 25/06</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2016311280                      (72) Fantuzzi, Glen R.; Mraz, Dion                      (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) Academia Sinica                      (11) AU-A-2021200283                      (21) 2021200283 (22) 18.01.2021                      (54) Novel glycan conjugates and methods of use thereof                      (51) Int. Cl.  <i>G01N 33/53</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2015378564                      (72) WU, Chung-Yi; WONG, Chi-Huey                      (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Acceleron Pharma, Inc.                      (11) AU-A-2021200301                      (21) 2021200301 (22) 19.01.2021                      (54) Methods for increasing red blood cell levels and treating ineffective erythropoiesis by inhibiting activin B and/or GDF11                      (51) Int. Cl.  <i>A61K 38/18</i> ( 2006.01 )  <i>A61K 31/7088</i> ( 2006.01 )  <i>A61K 39/395</i> ( 2006.01 )  <i>A61P 7/06</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2015231022                      (72) Kumar, Ravindra; Suragani, Naga Venkata Sai Rajasekhar; Knopf, John                      (74) Shelston IP Pty Ltd.</p> <hr/> <p>(71) Acceleron Pharma Inc.                      (11) AU-A-2021200071                      (21) 2021200071 (22) 07.01.2021</p>	<p>(54) ALK4:ActRIIB heteromultimers and uses thereof                      (51) Int. Cl.  <i>C07K 14/71</i> ( 2006.01 )  <i>A61K 38/17</i> ( 2006.01 )  <i>A61K 39/395</i> ( 2006.01 )  <i>A61P 13/12</i> ( 2006.01 )  <i>A61P 19/08</i> ( 2006.01 )  <i>A61P 21/06</i> ( 2006.01 )  <i>C07K 19/00</i> ( 2006.01 )                      (43) 18.03.2021                      (62) 2016246703                      (72) Kumar, Ravindra; Grinberg, Asya; Sako, Dianne S.; Pearsall, Robert Scott; Castonguay, Roselyne                      (74) Shelston IP Pty Ltd.</p> <hr/> <p>(71) Accenture Global Solutions Limited                      (11) AU-A-2021200182                      (21) 2021200182 (22) 13.01.2021                      (54) DEVELOPMENT AND PRODUCTION DATA BASED APPLICATION EVOLUTION                      (51) Int. Cl.  <i>G06Q 10/06</i> ( 2012.01 )                      (43) 18.03.2021                      (62) 2018263997                      (72) KAULGUD, Vikrant; SINGI, Kapil; SAXENA, Amitabh; DINAKAR, Chethana; PODDER, Sanjay                      (74) Murray Trento &amp; Associates Pty Ltd</p> <hr/> <p>(71) Accenture Global Solutions Limited                      (11) AU-A-2021200184                      (21) 2021200184 (22) 13.01.2021                      (54) HARDWARE BLOCKCHAIN CONSENSUS OPERATING PROCEDURE ENFORCEMENT                      (51) Int. Cl.  <i>H04L 9/06</i> ( 2006.01 )  <i>G06F 12/14</i> ( 2006.01 )  <i>G06Q 20/40</i> ( 2012.01 )                      (43) 18.03.2021                      (62) 2018263404                      (72) RAMATHAL, Noel Vivek; GREENE, Kevin Bernard                      (74) Murray Trento &amp; Associates Pty Ltd</p> <hr/> <p>(71) Accenture Global Solutions Limited                      (11) AU-A-2021200187                      (21) 2021200187 (22) 13.01.2021                      (54) EMPLOYEE CONCIERGE                      (51) Int. Cl.  <i>G06Q 10/06</i> ( 2012.01 )                      (43) 18.03.2021                      (62) 2019219747                      (72) LI, Chung-Sheng; MUNGUIA TAPIA, Emmanuel; XIONG, Guanglei; GOLDSTEIN, Jill K.; FAN, Jingyun; SINHA, Rajeev; SHROFF, Manoj; GHASEMIESFEH, Golnaz; MO-</p>
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Applications Open to Public Inspection - Name Index cont'd

HARRERI, Kayhan; TATA, Swati;  
SAMANTA, Pratip; SHIVARAM,  
Madhura; JUNEJA, Akanksha; SO-  
LANKI, Anshul; JETCHEVA, Jorjeta;  
CHOWDHARY, Priyanka; VIG, Rishi;  
JOHNSON, Kyle Patrick; GHORBANI,  
Mohammad Jawad  
**(74)** Murray Trento & Associates Pty Ltd

**(71)** Accenture Global Solutions Limited  
**(11)** AU-A-2021200188  
**(21)** 2021200188 **(22)** 13.01.2021  
**(54)** DIGITAL CONTENT MANAGEMENT  
PLATFORM  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2019210538  
**(72)** BHOJARAJAN, Aswin; VOHRA, Anil;  
HAZEN, Phillip E.; NAGARAJ, Ro-  
hith Y.; MAGGE, Geetha; RATRA,  
Eishvinder  
**(74)** Murray Trento & Associates Pty Ltd

**(71)** Acer Incorporated  
**(11)** AU-A-2020223645  
**(21)** 2020223645 **(22)** 25.08.2020  
**(54)** Method of handling cell selection and  
related network device and mobile  
device  
**(51)** Int. Cl.  
**H04W 72/00** ( 2009.01 )  
**(31)** 62/891,565 **(32)** 26.08.19 **(33)** US  
16/986,276 06.08.20 US  
**(43)** 18.03.2021  
**(72)** CHENG, Ching-Wen  
**(74)** Griffith Hack

**(71)** Acres Technology  
**(11)** AU-A-2021201268  
**(21)** 2021201268 **(22)** 26.02.2021  
**(54)** Systems to Facilitate Communication  
with Casino Employees and Players  
and to Log Data Related to Employee  
Work  
**(51)** Int. Cl.  
**A63F 13/32** ( 2014.01 )  
**(43)** 18.03.2021  
**(62)** 2018282322  
**(72)** Acres, John F.; Parker, Kevin; McCurry,  
Andrea  
**(74)** Golja Haines & Friend

**(71)** Advanced New Technologies Co., Ltd.  
**(11)** AU-A-2021200130  
**(21)** 2021200130 **(22)** 11.01.2021  
**(54)** Resource allocation method and  
device, and electronic payment method  
**(51)** Int. Cl.  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/10** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )

**(43)** 18.03.2021  
**(62)** 2017376038  
**(72)** YUAN, Leiming  
**(74)** Cotters Patent & Trade Mark Attorneys

**(71)** Advanced New Technologies Co., Ltd.  
**(11)** AU-A-2021200131  
**(21)** 2021200131 **(22)** 11.01.2021  
**(54)** Currency type switching method and  
device  
**(51)** Int. Cl.  
**G06Q 20/12** ( 2012.01 )  
**G06Q 20/22** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2017390721  
**(72)** Ni, Fei  
**(74)** Cotters Patent & Trade Mark Attorneys

**(71)** Advanced New Technologies Co., Ltd.  
**(11)** AU-A-2021200387  
**(21)** 2021200387 **(22)** 21.01.2021  
**(54)** Operation object processing method  
and apparatus  
**(51)** Int. Cl.  
**G06F 3/0484** ( 2013.01 )  
**(43)** 18.03.2021  
**(62)** 2017329937  
**(72)** Liu, Lindong  
**(74)** Cotters Patent & Trade Mark Attorneys

**(71)** AFFIRIS AG  
**(11)** AU-A-2021200093  
**(21)** 2021200093 **(22)** 08.01.2021  
**(54)** TREATMENT AND PREVENTION OF  
ALZHEIMER'S DISEASE (AD)  
**(51)** Int. Cl.  
**A61K 38/03** ( 2006.01 )  
**A61K 33/06** ( 2006.01 )  
**A61K 39/39** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2015254661  
**(72)** Mandler, Markus; Schneeberger,  
Achim; Mattner, Frank; Schmidt, Walter  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** AgeneBio, Inc.  
**(11)** AU-A-2021200164  
**(21)** 2021200164 **(22)** 13.01.2021  
**(54)** Benzodiazepine derivatives, composi-  
tions, and methods for treating cogniti-  
ve impairment  
**(51)** Int. Cl.  
**C07D 487/14** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016279052  
**(72)** Mekonnen, Belew; Huang, Jianxing;  
Butera, John A.  
**(74)** Spruson & Ferguson

**(71)** AGENUS INC.; LUDWIG INSTITUTE  
FOR CANCER RESEARCH LTD; ME-

MORIAL SLOAN KETTERING CAN-  
CER CENTER  
**(11)** AU-A-2021200281  
**(21)** 2021200281 **(22)** 18.01.2021  
**(54)** ANTI-PD-1 ANTIBODIES AND METH-  
ODS OF USE THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016317915  
**(72)** VAN DIJK, Marc; MUNDT, Cornelia  
Anne; RITTER, Gert; WOLCHOK, Jedd  
David; MERGHOU, Taha; ZAPPAS-  
ODI, Roberta; HOLMGAARD, Rikke  
Baek; SCHAER, David; SAVITSKY,  
David Adam; WILSON, Nicholas Stuart  
**(74)** AJ PARK

**(71)** Agios Pharmaceuticals, Inc.  
**(11)** AU-A-2021200060  
**(21)** 2021200060 **(22)** 06.01.2021  
**(54)** METHODS OF USING PYRUVATE  
KINASE ACTIVATORS  
**(51)** Int. Cl.  
**C07D 215/36** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016276951  
**(72)** Agresta, Samuel V.; Chen, Yue; Cohen,  
Marvin Barry; Dang, Leonard Luan C.;  
Kung, Charles; Merica, Elizabeth A.;  
Silver, Bruce Alan; Yang, Hua  
**(74)** Pizeys Patent and Trade Mark Attor-  
neys Pty Ltd

**(71)** Airvana LP  
**(11)** AU-A-2021201369  
**(21)** 2021201369 **(22)** 03.03.2021  
**(54)** Scheduling the same resource in radio  
access networks  
**(51)** Int. Cl.  
**H04W 72/04** ( 2009.01 )  
**H04W 88/08** ( 2009.01 )  
**(43)** 18.03.2021  
**(62)** 2019205993  
**(72)** Barabell, Arthur J.; Eyuboglu, Vedat;  
Mahalingam, Nagi Jayaraman; Rag-  
hothaman, Balaji; Sandberg, Stuart; Ah-  
madi, Sassan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Alcyone Lifesciences, Inc.  
**(11)** AU-A-2021201360  
**(21)** 2021201360 **(22)** 02.03.2021  
**(54)** Microfluidic drug delivery devices  
**(51)** Int. Cl.  
**A61M 5/145** ( 2006.01 )  
**A61M 25/14** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201722  
**(72)** ANAND, P. J.; SINGH, Deep Arjun  
**(74)** Spruson & Ferguson

**(71)** Allakos Inc.  
**(11)** AU-A-2021200075

Applications Open to Public Inspection - Name Index cont'd

- (21) 2021200075 (22) 07.01.2021  
 (54) Methods and compositions for treating Siglec-8 associated diseases  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015222757  
 (72) BEBBINGTON, Christopher Robert; TOMASEVIC, Nenad; FALAHATI, Rustom  
 (74) Griffith Hack
- 
- (71) Allergan, Inc.; Xencor, Inc.  
 (11) AU-A-2021200234  
 (21) 2021200234 (22) 15.01.2021  
 (54) Complement component C5 antibodies  
 (51) Int. Cl.  
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**H01H 1/56** ( 2006.01 )  
**H01H 3/38** ( 2006.01 )  
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**C07H 21/02** ( 2006.01 )  
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**H04M 1/725** ( 2021.01 )  
**G11B 27/031** ( 2006.01 )  
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B01D 53/06 ( 2006.01 )  
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C09D 5/03 ( 2006.01 )  
C09D 167/00 ( 2006.01 )  
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C08K 5/02 ( 2006.01 )  
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C08K 3/36 ( 2006.01 )  
C08K 5/00 ( 2006.01 )  
C08K 5/54 ( 2006.01 )  
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B01L 3/00 ( 2006.01 )  
A61B 5/157 ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )

(43) 18.03.2021  
(62) 2018211212  
(72) Constable, Ian J.; Rakoczy, P. Elizabeth; Lai, Chooi-may; Chalberg Jr., Thomas W.  
(74) Davies Collison Cave Pty Ltd

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(71) B. Braun Medical Inc.  
(11) AU-A-2021200213  
(21) 2021200213 (22) 14.01.2021  
(54) COMPOUNDING DEVICE, SYSTEM, KIT, SOFTWARE AND METHOD  
(51) Int. Cl.  
**A61J 3/00** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016270941  
(72) Janders, Mike; Mumpower, Mariano; Lane, Benjamin R.  
(74) Davies Collison Cave Pty Ltd

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(71) B. Braun Medical Inc.  
(11) AU-A-2021200220  
(21) 2021200220 (22) 14.01.2021  
(54) Compounding device, system, kit, software, and method  
(51) Int. Cl.  
**A61J 3/00** ( 2006.01 )

(43) 18.03.2021  
(62) 2016270941  
(72) Mumpower, Mariano; Lane, Benjamin R.; Janders, Mike  
(74) Davies Collison Cave Pty Ltd

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(71) B. Braun Medical Inc.  
(11) AU-A-2021200225  
(21) 2021200225 (22) 14.01.2021  
(54) Compounding device, system, kit, software, and method  
(51) Int. Cl.  
**A61J 3/00** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016270941  
(72) Janders, Mike; Mumpower, Mariano; Lane, Benjamin R.  
(74) Davies Collison Cave Pty Ltd

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(71) BASF Plant Science Company GmbH  
(11) AU-A-2021200106  
(21) 2021200106 (22) 08.01.2021  
(54) Gene expression or activity enhancing elements  
(51) Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 5/04** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
(43) 18.03.2021  
(62) 2014285720  
(72) SENGER, Toralf; BAUER, Joerg  
(74) Griffith Hack

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**Baxalta GmbH see Baxalta Incorporated**  
(21) 2021201307

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(71) Baxalta Incorporated; Baxalta GmbH  
(11) AU-A-2021201307  
(21) 2021201307 (22) 01.03.2021  
(54) POOLING DEVICE FOR SINGLE OR MULTIPLE CONTAINERS  
(51) Int. Cl.  
**A61J 1/20** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 39/00** ( 2006.01 )

(43) 18.03.2021  
(62) 2016278966  
(72) SCHWEISS, Mark David; ROUSH, Daniel E.; HOLZNER, Stefan; JONES, Seth Dale; LOOPER, Anthony Martin; DHYANI, Tejas; SHAH, Michelle; GIBSON, Madeleine Clare; CHUNG, Jessica  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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(71) Becton Dickinson Infusion Therapy Systems Inc.  
(11) AU-A-2021200092  
(21) 2021200092 (22) 08.01.2021  
(54) Sequences for detection and identification of methicillin-resistant *Staphylococcus aureus* (MRSA) of MREJ types xi to xx  
(51) Int. Cl.  
**G01N 33/569** ( 2006.01 )

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- C07H 21/00** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**(43)** 18.03.2021  
**(62)** 2018206754  
**(72)** Huletsky, Ann; Giroux, Richard  
**(74)** FB Rice Pty Ltd
- 
- (71)** Beijing Voyager Technology Co., Ltd.  
**(11)** AU-A-2021200143  
**(21)** 2021200143 **(22)** 12.01.2021  
**(54)** SYSTEMS AND METHODS FOR SWITCHING A DRIVING MODE OF A VEHICLE  
**(51)** Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2017416079  
**(72)** MING, Tingyou; CHEN, Xiaowei; HE, Mengpeng  
**(74)** Caska Intellectual Property Pty Ltd
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- (71)** Bella Technologies, LLC  
**(11)** AU-A-2021200173  
**(21)** 2021200173 **(22)** 13.01.2021  
**(54)** CALF BOLUS  
**(51)** Int. Cl.  
**A61B 5/07** ( 2006.01 )  
**A61D 99/00** ( 2006.01 )  
**G08B 23/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016274888  
**(72)** RETTEDAL, Nicholas P.; WEILNAU, Stephen M.; COCKROFT, Scott R.; JANUS IV, Joseph  
**(74)** AJ PARK
- 
- (71)** BEMO PTY LTD  
**(11)** AU-A-2020223635  
**(21)** 2020223635 **(22)** 24.08.2020  
**(54)** Amelioration of the Effects of Conveyor Belt Wander  
**(51)** Int. Cl.  
**G01B 17/02** ( 2006.01 )  
**B65G 15/30** ( 2006.01 )  
**B65G 43/02** ( 2006.01 )  
**B65G 43/04** ( 2006.01 )  
**(31)** 2019903135 **(32)** 27.08.19 **(33)** AU  
**(43)** 18.03.2021  
**(72)** BROWN, Barry Charles  
**(74)** Fraser Old & Sohn
- 
- (71)** Besim Pty Ltd  
**(11)** AU-A-2021201262  
**(21)** 2021201262 **(22)** 26.02.2021  
**(54)** Thermally insulating material  
**(51)** Int. Cl.  
**C04B 35/01** ( 2006.01 )  
**B32B 18/00** ( 2006.01 )  
**C09D 5/33** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016273411  
**(72)** Ben-Nissan, Besim  
**(74)** Allens Patent & Trade Mark Attorneys
- 
- (71)** Bigfoot Biomedical, Inc.  
**(11)** AU-A-2020294328
- (21)** 2020294328 **(22)** 24.12.2020  
**(54)** Adjusting Insulin Delivery Rates  
**(51)** Int. Cl.  
**A61M 5/172** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**A61M 5/145** ( 2006.01 )  
**G16H 20/17** ( 2018.01 )  
**G16H 40/67** ( 2018.01 )  
**(43)** 18.03.2021  
**(62)** 2017207484  
**(72)** DESBOROUGH, Lane; MAZLISH, Bryan  
**(74)** WRAYS PTY LTD
- 
- (71)** BISSELL Inc.  
**(11)** AU-A-2021201370  
**(21)** 2021201370 **(22)** 03.03.2021  
**(54)** Surface cleaning apparatus and tray  
**(51)** Int. Cl.  
**A47L 9/28** ( 2006.01 )  
**A47L 11/40** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019288675  
**(72)** NGUYEN, Tom Minh; RESCH, Jacob; BOLES, Jacob S.; WONG, Ying Chun; TANG, Jian Hua; WANG, Yunfu  
**(74)** Griffith Hack
- 
- (71)** BISSELL Inc.  
**(11)** AU-A-2021201371  
**(21)** 2021201371 **(22)** 03.03.2021  
**(54)** Surface cleaning apparatus and tray  
**(51)** Int. Cl.  
**A47L 9/28** ( 2006.01 )  
**A47L 11/40** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019288675  
**(72)** NGUYEN, Tom Minh; RESCH, Jacob; BOLES, Jacob S.; WONG, Ying Chun; TANG, Jian Hua; WANG, Yunfu  
**(74)** Griffith Hack
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- (71)** Blackline Safety Corp.  
**(11)** AU-A-2021200284  
**(21)** 2021200284 **(22)** 18.01.2021  
**(54)** Portable Personal Monitor Device and Associated Methods  
**(51)** Int. Cl.  
**G08B 21/02** ( 2006.01 )  
**G06Q 10/06** ( 2012.01 )  
**G08B 21/12** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
**G08B 25/10** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2017341734  
**(72)** Stinson, Sean; Johnson, Kirk; Benson, Phillip; Moore, Barry; Daeninck, Steven; Englot, Kelly  
**(74)** James & Wells Intellectual Property
- 
- (71)** Blue River Technology Inc.  
**(11)** AU-A-2021200158  
**(21)** 2021200158 **(22)** 12.01.2021  
**(54)** SEMANTIC SEGMENTATION TO IDENTIFY AND TREAT PLANTS IN A FIELD AND VERIFY THE PLANT TREATMENTS  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**A01B 79/00** ( 2006.01 )  
**A01B 79/02** ( 2006.01 )  
**A01C 15/00** ( 2006.01 )  
**A01C 21/00** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 3/04** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019272874  
**(72)** Fu, Chia-Chun; Polzounov, Andrei; Ostrowski, James Patrick; Redden, Lee Kamp; Denas, Olgert; Padwick, Christopher Grant  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** BlueScope Steel Limited  
**(11)** AU-A-2021200262  
**(21)** 2021200262 **(22)** 18.01.2021  
**(54)** Metal-coated steel strip  
**(51)** Int. Cl.  
**C23C 2/04** ( 2006.01 )  
**C22C 18/04** ( 2006.01 )  
**C22C 21/10** ( 2006.01 )  
**C23C 2/06** ( 2006.01 )  
**C23C 2/12** ( 2006.01 )  
**C23C 2/40** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018260895  
**(72)** LOPEZ, Michael Angel; RENSHAW, Wayne Andrew; MICALLEF, Andrew Vincent; SETARGEW, Nega; DONALDSON, Paul  
**(74)** Allens Patent & Trade Mark Attorneys
- 
- (71)** BLUESCOPE STEEL LIMITED  
**(11)** AU-A-2021200156  
**(21)** 2021200156 **(22)** 12.01.2021  
**(54)** FIXING SYSTEM AND METHOD  
**(51)** Int. Cl.  
**E04B 2/04** ( 2006.01 )  
**E04B 2/58** ( 2006.01 )  
**E04B 2/94** ( 2006.01 )  
**F16B 15/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018211242  
**(72)** RYAN, Brad Stewart  
**(74)** WRAYS PTY LTD
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**(21)** 2021201332
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- (71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2021200393  
**(21)** 2021200393 **(22)** 21.01.2021  
**(54)** Stent  
**(51)** Int. Cl.  
**A61F 2/88** ( 2006.01 )  
**A61F 2/90** ( 2013.01 )

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(43) 18.03.2021  
 (62) 2019253575  
 (72) GILMARTIN, Gary; FOLAN, Martyn G.;  
 TONER, Geraldine; TIERNEY, Paul E.;  
 COLLINS, David  
 (74) Spruson & Ferguson

(71) Bruin Biometrics, LLC  
 (11) AU-A-2021200183  
 (21) 2021200183 (22) 13.01.2021  
 (54) Measurement of tissue viability  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )

(43) 18.03.2021  
 (62) 2018217185  
 (72) BURNS, Martin F.; BARRINGTON,  
 Sara; ROSS, Graham O.  
 (74) Spruson & Ferguson

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

(71) C.R. Bard, Inc.  
 (11) AU-A-2021200294  
 (21) 2021200294 (22) 18.01.2021  
 (54) Inflatable perfusion balloon with outer  
 mesh and related methods  
 (51) Int. Cl.  
**A61F 2/958** ( 2013.01 )  
**A61M 25/10** ( 2013.01 )  
**A61M 29/02** ( 2006.01 )

(43) 18.03.2021  
 (62) 2016246531  
 (72) Rousu, Corey  
 (74) Griffith Hack

(71) Cali, D.  
 (11) AU-A-2019226145  
 (21) 2019226145 (22) 03.09.2019  
 (54) A WATER HEATING SYSTEM  
 (51) Int. Cl.  
**E04H 4/12** ( 2006.01 )  
**F24D 17/00** ( 2006.01 )  
**F24H 1/00** ( 2006.01 )  
**F24H 9/20** ( 2006.01 )

(43) 18.03.2021  
 (72) Cali, Daniel  
 (74) Wynnes Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Camm, A.  
 (11) AU-A-2020204388  
 (21) 2020204388 (22) 30.06.2020  
 (54) UNIVERSAL SECURITY SLIP  
 (51) Int. Cl.  
**A41B 9/10** ( 2006.01 )  
**A41D 27/20** ( 2006.01 )  
 (31) 2019903219 (32) 02.09.19 (33) AU  
 (43) 18.03.2021  
 (72) Camm, Amelia Peta  
 (74) TJIP Patents, Trade Marks & Designs

(71) CANADIAN ENERGY SERVICES L.P.  
 (11) AU-A-2021201364

(21) 2021201364 (22) 02.03.2021  
 (54) Drill fluid and method for tunneling  
 (51) Int. Cl.  
**C09K 8/24** ( 2006.01 )  
**E21B 21/00** ( 2006.01 )  
**E21B 21/06** ( 2006.01 )  
**E21D 9/11** ( 2006.01 )  
**E21D 9/13** ( 2006.01 )

(43) 18.03.2021  
 (62) 2018286661  
 (72) SMITH, Carl Keith; GAWRYLUK, Josh  
 (74) Griffith Hack

(71) CANADIAN ENERGY SERVICES L.P.  
 (11) AU-A-2021201374  
 (21) 2021201374 (22) 03.03.2021  
 (54) Drill fluid and method for tunneling  
 (51) Int. Cl.  
**C09K 8/24** ( 2006.01 )  
**E21B 21/00** ( 2006.01 )  
**E21B 21/06** ( 2006.01 )  
**E21D 9/11** ( 2006.01 )  
**E21D 9/13** ( 2006.01 )

(43) 18.03.2021  
 (62) 2018286661  
 (72) SMITH, Carl Keith; GAWRYLUK, Josh  
 (74) Griffith Hack

**Carnegie Mellon University see University  
 of Pittsburgh - Of The Commonwealth Sys-  
 tem of Higher Education**  
 (21) 2021201365

(71) Cartiva, Inc.  
 (11) AU-A-2021200319  
 (21) 2021200319 (22) 19.01.2021  
 (54) Carpometacarpal (CMC) implants and  
 methods  
 (51) Int. Cl.  
**A61F 2/46** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/42** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016243660  
 (72) TUDOR, Letitia  
 (74) FB Rice Pty Ltd

(71) CASE WESTERN RESERVE UNI-  
 VERSITY; BOARD OF REGENTS OF  
 THE UNIVERSITY OF TEXAS SYS-  
 TEM  
 (11) AU-A-2021201332  
 (21) 2021201332 (22) 02.03.2021  
 (54) COMPOSITIONS AND METHODS OF  
 MODULATING SHORT-CHAIN DE-  
 HYDROGENASE ACTIVITY  
 (51) Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/4743** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019202208  
 (72) MARKOWITZ, Stanford; WILL-  
 SON, James K.V.; READY, Joseph;  
 ANTCZAK, Monika; ZHANG, Yongy-

ou; DESAI, Amar; GERSON, Stanton;  
 GREENLEE, William; POSNER, Bruce  
 (74) Houlihan<sup>2</sup> Pty Ltd

(71) CATERPILLAR GLOBAL MINING LLC  
 (11) AU-A-2020217430  
 (21) 2020217430 (22) 13.08.2020  
 (54) SYSTEM AND METHOD FOR CON-  
 TROLLING OPERATION OF A MA-  
 CHINE  
 (51) Int. Cl.  
**E02F 3/84** ( 2006.01 )  
**E02F 3/00** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
 (31) 16/559,061 (32) 03.09.19 (33) US  
 (43) 18.03.2021  
 (72) WEI, Mo  
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Inc.  
 (11) AU-A-2021200155  
 (21) 2021200155 (22) 12.01.2021  
 (54) Flow cap and method for directing a flu-  
 id through a filter  
 (51) Int. Cl.  
**B01D 36/00** ( 2006.01 )  
**B01D 29/23** ( 2006.01 )  
**B01D 29/90** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015380318  
 (72) Morris, Bryant Alan; Ries, Jeffrey R.;  
 Morehouse III, Darrell L.; Sutton, Brian  
 J.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Inc.  
 (11) AU-A-2021200194  
 (21) 2021200194 (22) 14.01.2021  
 (54) Replaceable shroud for work implement  
 (51) Int. Cl.  
**E02F 9/28** ( 2006.01 )  
**E21C 35/18** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015355388  
 (72) Serrurier, Douglas C.; Maguluru,  
 Madhukar  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2020213324  
 (21) 2020213324 (22) 05.08.2020  
 (54) INCYCLE PLANNER CHECKOUT FOR  
 AUTONOMOUS VEHICLES  
 (51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**E02F 9/20** ( 2006.01 )  
 (31) 16/553,573 (32) 28.08.19 (33) US  
 (43) 18.03.2021  
 (72) CHOWDHURY, Sagar; JOHNSON,  
 Matthew D.; STRUBLE, Joshua C.;  
 WALLSTEDT, Philip; EVERETT, Bryan  
 J.  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATS TONOMETER, LLC  
 (11) AU-A-2021200334

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(21) 2021200334 (22) 20.01.2021  
**(54)** REDUCING ERRORS OF OPTICAL MEASUREMENTS OF INTERNAL PRESSURE OF A BODY PERFORMED WITH AN OPTICAL MEMBER IN CONTACT WITH THE BODY  
**(51)** Int. Cl.  
**A61B 3/16** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018385598  
**(72)** MCCAFFERTY, Sean J.  
**(74)** RnB IP Pty Ltd

**(71)** CB Therapeutics, Inc.  
**(11)** AU-A-2021200264  
**(21)** 2021200264 (22) 18.01.2021  
**(54)** ANTI-PD-1 ANTIBODIES  
**(51)** Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2015292678  
**(72)** Qiu, Junzhuan; Sun, Ziyong; Zha, Jiping  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CDA Research Group, Inc.  
**(11)** AU-A-2021200039  
**(21)** 2021200039 (22) 06.01.2021  
**(54)** Topical copper ion treatments and methods of making topical copper ion treatments for use in various anatomical areas of the body  
**(51)** Int. Cl.  
**A61K 31/30** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018247263  
**(72)** ABBOTT, Chun Lim; ABBOTT, Dominic C.  
**(74)** Spruson & Ferguson

**(71)** Cenergy Solutions Inc.  
**(11)** AU-A-2021201306  
**(21)** 2021201306 (22) 01.03.2021  
**(54)** INCREASED STORAGE CAPACITY OF GAS IN PRESSURE VESSELS  
**(51)** Int. Cl.  
**F17C 11/00** ( 2006.01 )  
**B60K 15/01** ( 2006.01 )  
**B60K 15/03** ( 2006.01 )  
**B60K 15/06** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016233609  
**(72)** Fanger, Gary W.; Feaver, Aaron M.; Cox, Gary; Koga, Buddy T.; Decelle, Walter L.; Maxey, Michael A.  
**(74)** AJ PARK

**(71)** Centinel Spine, LLC  
**(11)** AU-A-2021201282  
**(21)** 2021201282 (22) 26.02.2021  
**(54)** Spinal implants configured for tissue sparing angle of insertion and related methods

**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016246067  
**(72)** Bost, Stephanie M.; McQuaide, Andrew J.; Parry, John J.  
**(74)** HopgoodGanin

**(71)** CFPH, LLC  
**(11)** AU-A-2021200152  
**(21)** 2021200152 (22) 12.01.2021  
**(54)** ELECTRONIC TRADING SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2018263977  
**(72)** Lutnick, Howard W.; Alderucci, Dean P.; Foley, Kevin; Fishkind, Andrew; Miller, Mark A.; Gay, Brian L.; Plott, Charles; Marber, Philip; Rice, Bill  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CFPH, LLC  
**(11)** AU-A-2021200159  
**(21)** 2021200159 (22) 12.01.2021  
**(54)** AGGREGATE GAMING FUNDS  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2019253800  
**(72)** Amaitis, Lee; Loveless, Jacob; Williams, Paul; Singleton, Quinton  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CFPH, LLC  
**(11)** AU-A-2021200160  
**(21)** 2021200160 (22) 12.01.2021  
**(54)** LARGE BLOCK TRADING  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2018261864  
**(72)** Lutnick, Howard W.; Alderucci, Dean P.; Foley, Kevin; Fishkind, Andrew; Miller, Mark A.; Gay, Brian L.; Plott, Charles; Marber, Philip; Rice, Bill  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CFPH, LLC  
**(11)** AU-A-2021200185  
**(21)** 2021200185 (22) 13.01.2021  
**(54)** Document changes  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(43)** 18.03.2021  
**(62)** 2020200228  
**(72)** Alderucci, Dean P.; Gelman, Geoffrey M.; Manning, Gregory; Brinton, Michael D.  
**(74)** FB Rice Pty Ltd

**(71)** CFPH, LLC  
**(11)** AU-A-2021201327  
**(21)** 2021201327 (22) 02.03.2021  
**(54)** ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS INVOLVING INTERPROGRAM OR INTERPROCESS COMMUNICATION REGARDING AMUSEMENT DEVICES AND GAMES  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2019200235  
**(72)** Amaitis, Lee; Garood, Andrew  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CiiLOCK Engineering Pty Ltd  
**(11)** AU-A-2020223697  
**(21)** 2020223697 (22) 26.08.2020  
**(54)** A power assist system for sliding panels  
**(51)** Int. Cl.  
**G05D 3/00** ( 2006.01 )  
**E05D 15/06** ( 2006.01 )  
**(31)** 2019903119 (32) 26.08.19 (33) AU  
**(43)** 18.03.2021  
**(72)** Phan, Anh Tuan; Jaber, Hani; Jaber, Simon  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** CiiLOCK Engineering Pty Ltd  
**(11)** AU-A-2020223698  
**(21)** 2020223698 (22) 26.08.2020  
**(54)** Belt transmission systems for a motorised roller assembly  
**(51)** Int. Cl.  
**E05F 15/643** ( 2015.01 )  
**E05F 15/603** ( 2015.01 )  
**E05F 15/632** ( 2015.01 )  
**(31)** 2019903119 (32) 26.08.19 (33) AU  
**(43)** 18.03.2021  
**(72)** Phan, Anh Tuan; Jaber, Hani; Jaber, Simon  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Citrix Systems, Inc.  
**(11)** AU-A-2021200971  
**(21)** 2021200971 (22) 15.02.2021  
**(54)** SYSTEMS AND METHODS OF ENABLING FAST USER ACCESS TO REMOTE DESKTOPS  
**(51)** Int. Cl.  
**H04L 29/06** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019284107  
**(72)** Lui, Lei; Liu, Yeping; Lei, Cao  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** City of Hope  
**(11)** AU-A-2021200091  
**(21)** 2021200091 (22) 08.01.2021  
**(54)** CHIMERIC ANTIGEN RECEPTOR COMPOSITIONS  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )

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**C07K 14/435** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 9/00** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )

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(62) 2016265845  
(72) Williams, John C.; Brown, Christine  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) City of Hope  
(11) AU-A-2021200122  
(21) 2021200122 (22) 11.01.2021  
(54) CS1 Targeted Chimeric Antigen Receptor-Modified T Cells

(51) Int. Cl.  
**C07K 14/35** ( 2006.01 )  
**A61K 35/14** ( 2015.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )

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(62) 2015357485  
(72) Forman, Stephen J.; Wang, Ziuli  
(74) WRAYS PTY LTD

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(11) AU-A-2021200399  
(21) 2021200399 (22) 21.01.2021  
(54) CHEMICALLY ENCODED SPATIALLY ADDRESSED LIBRARY SCREENING PLATFORMS

(51) Int. Cl.  
**C07K 7/00** ( 2006.01 )  
**C07H 21/00** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 17/00** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
**G01N 33/545** ( 2006.01 )

(43) 18.03.2021  
(62) 2016222755  
(72) Berlin, Jacob; Copeland, Gregory; Ellison, Kathleen; Muradyan, Hurik  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2020223673 (22) 26.08.2020  
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(51) Int. Cl.  
**G06Q 30/06** ( 2012.01 )  
**G06Q 10/10** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )

(31) 2019903151 (32) 28.08.19 (33) AU  
(43) 18.03.2021  
(72) Coglitore, Charlie  
(74) Charlie Coglitore

(71) Colgate-Palmolive Company  
(11) AU-A-2021200350  
(21) 2021200350 (22) 20.01.2021  
(54) Oral care system and method

(51) Int. Cl.  
**A46B 15/00** ( 2006.01 )  
**A46B 9/04** ( 2006.01 )  
**A61C 17/22** ( 2006.01 )

(43) 18.03.2021  
(62) 2017356208  
(72) Gatzemeyer, John Jacob; Lintott, Andrew Brent; Smallman, Ian Joseph  
(74) Shelston IP Pty Ltd.

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(71) Commonwealth Scientific and Industrial Research Organisation  
(11) AU-A-2020331565  
(21) 2020331565 (22) 25.08.2020  
(54) Object monitoring

(51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**H04W 4/30** ( 2018.01 )  
**H04W 4/80** ( 2018.01 )

(31) 2019903196 (32) 30.08.19 (33) AU  
(43) 18.03.2021  
(72) VALENCIA, Philip Juan; HEANEY, Nicholas Alexander  
(74) Davies Collison Cave Pty Ltd

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(71) Compagnie Generale des Etablissements Michelin  
(11) AU-A-2021200240  
(21) 2021200240 (22) 15.01.2021  
(54) Reinforced rubber spoke for a tire

(51) Int. Cl.  
**B60B 9/26** ( 2006.01 )

(43) 18.03.2021  
(62) 2017338777  
(72) Cron, Steven M.; Rhyne, Timothy Brett; Gaylo, Ryan Michael  
(74) Griffith Hack

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(71) ConMed Corporation  
(11) AU-A-2021201382  
(21) 2021201382 (22) 03.03.2021  
(54) Easy start cannulated bone screw

(51) Int. Cl.  
**A61B 17/86** ( 2006.01 )

(43) 18.03.2021  
(62) 2018347902  
(72) Muser, Andrew P.  
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(71) Corflow Therapeutics AG  
(11) AU-A-2021200090  
(21) 2021200090 (22) 08.01.2021  
(54) System and methods for treating mvo

(51) Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/12** ( 2006.01 )  
**A61F 2/00** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 25/10** ( 2013.01 )  
**A61M 29/00** ( 2006.01 )

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(62) 2017205404  
(72) ROTHMAN, Martin T.; HOEM, Jon H.; SCHWARTZ, Robert S.  
(74) FPA Patent Attorneys Pty Ltd

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(11) AU-A-2020260473  
(21) 2020260473 (22) 14.07.2020  
(54) Computer-implemented method for detecting fraudulent transactions by using an enhanced k-means clustering algorithm

(51) Int. Cl.  
**G06Q 40/08** ( 2012.01 )  
**G06Q 20/00** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )

(31) 16/553,099 (32) 27.08.19 (33) US  
(43) 18.03.2021  
(72) HUANG, Xiaojun  
(74) FB Rice Pty Ltd

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(71) Coupang Corp.  
(11) AU-A-2020260475  
(21) 2020260475 (22) 14.07.2020  
(54) Automated generation of video-based electronic solicitations

(51) Int. Cl.  
**G11B 27/034** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )

(31) 16/553,354 (32) 28.08.19 (33) US  
(43) 18.03.2021  
(72) WU, Meng  
(74) FB Rice Pty Ltd

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(71) Coupang Corp.  
(11) AU-A-2020260480  
(21) 2020260480 (22) 14.07.2020  
(54) Systems and methods for dynamic aggregation of data and minimization of data loss

(51) Int. Cl.  
**G06F 16/2455** ( 2019.01 )

(31) 16/551,091 (32) 26.08.19 (33) US  
(43) 18.03.2021  
(72) NAM, Il Won; PARK, Seung Hoon; KIM, Ki Young  
(74) FB Rice Pty Ltd

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(71) Coupang Corp.  
(11) AU-A-2020260490  
(21) 2020260490 (22) 14.07.2020  
(54) Computer-implemented systems and methods for validating and returning fresh items for inventory management

(51) Int. Cl.  
**G06Q 10/08** ( 2012.01 )

(31) 16/553,370 (32) 28.08.19 (33) US  
(43) 18.03.2021  
(72) HA, Hyeona; JEONG, Jinwon; KANG, SungWoo; OH, Jeong Seok; HONG, Sun Young  
(74) FB Rice Pty Ltd

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(11) AU-A-2020260502

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 (54) Systems and methods for electronic monitoring of inventory transfer  
 (51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
 (31) 16/550,916 (32) 26.08.19 (33) US (43) 18.03.2021  
 (72) HWANG, Ji Won; HONG, Seon Sook; LEE, Jong Won; JEONG, Jin Won; JEON, Sang Min  
 (74) FB Rice Pty Ltd
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- (71) Coupang Corp.  
 (11) AU-A-2020260508  
 (21) 2020260508 (22) 14.07.2020  
 (54) Automated user interfaces for efficient packaging of objects  
 (51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
 (31) 16/551,052 (32) 26.08.19 (33) US (43) 18.03.2021  
 (72) KIM, Woong; BAI, Lianxi; HWANG, Ji Won; YOO, Hyeong Min; KIM, Sung Eun  
 (74) FB Rice Pty Ltd
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- (71) Coupang Corp.  
 (11) AU-A-2020260509  
 (21) 2020260509 (22) 14.07.2020  
 (54) Computerized systems and methods for facilitating package redelivery  
 (51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
 (31) 16/550,865 (32) 26.08.19 (33) US (43) 18.03.2021  
 (72) LEE, Yulhee; CHANG, Jiho; LEE, Hyojeong; PI, Jeongho; YU, Sunggu; NAM, Dukwon; KIM, Taenyun; LEE, Hanjun; KANG, Hyun Bo; KIM, Soung Hie  
 (74) FB Rice Pty Ltd
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- (71) Coupang Corp.  
 (11) AU-A-2020260540  
 (21) 2020260540 (22) 12.08.2020  
 (54) Computerized systems and methods for display and determination of guaranteed delivery time selection  
 (51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
 (31) 16/558,851 (32) 03.09.19 (33) US (43) 18.03.2021  
 (72) PARK, Chang Hyun; KIM, Daniel  
 (74) FB Rice Pty Ltd
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- (71) Coupang Corp.  
 (11) AU-A-2020264419  
 (21) 2020264419 (22) 14.07.2020  
 (54) Computer-implemented method for detecting fraudulent transactions using locality sensitive hashing and locality outlier factor algorithms  
 (51) Int. Cl.  
*G06Q 20/08* ( 2012.01 )  
 (31) 16/552,983 (32) 27.08.19 (33) US
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- (43) 18.03.2021  
 (72) HUANG, Xiaojun  
 (74) FB Rice Pty Ltd
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- (71) COURTIN, K.  
 (11) AU-A-2021200361  
 (21) 2021200361 (22) 20.01.2021  
 (54) End piece for dispensing fluid having bactericidal and/or bacteriostatic properties  
 (51) Int. Cl.  
*B65D 81/24* ( 2006.01 )  
*B65D 47/42* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015357116  
 (72) COURTIN, Karine  
 (74) Griffith Hack
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- (71) Covidien LP  
 (11) AU-A-2020223644  
 (21) 2020223644 (22) 25.08.2020  
 (54) Ultrasonic systems and methods with tissue resistance sensing  
 (51) Int. Cl.  
*A61B 17/29* ( 2006.01 )  
*A61B 17/32* ( 2006.01 )  
*A61B 18/12* ( 2006.01 )  
*A61B 18/14* ( 2006.01 )  
*A61N 7/02* ( 2006.01 )  
 (31) 62/893,244 (32) 29.08.19 (33) US (43) 18.03.2021  
 (72) COWLEY, Matthew S.  
 (74) Spruson & Ferguson
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- (71) Covidien LP  
 (11) AU-A-2021200215  
 (21) 2021200215 (22) 14.01.2021  
 (54) Robotic surgical systems and robotic arms thereof  
 (51) Int. Cl.  
*A61B 34/00* ( 2016.01 )  
*A61B 17/28* ( 2006.01 )  
*A61B 34/30* ( 2016.01 )  
 (43) 18.03.2021  
 (62) 2017223829  
 (72) HAGN, Ulrich  
 (74) Spruson & Ferguson
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- (71) Crane Payment Innovations Limited  
 (11) AU-A-2021201318  
 (21) 2021201318 (22) 01.03.2021  
 (54) Method and apparatus for money item processing  
 (51) Int. Cl.  
*G06K 9/62* ( 2006.01 )  
*G06K 9/20* ( 2006.01 )  
*G07D 1/06* ( 2006.01 )  
*G07G 1/06* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017369833  
 (72) TIMMONS, Shane Anthony; HEALY, Michael Patrick; MULVEY, Kevin  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Crystal Lagoons (Curacao) B.V.  
 (11) AU-A-2021200282
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- (21) 2021200282 (22) 18.01.2021  
 (54) A publicly accessible urban beach entertainment complex including a surf feature with a centerpiece man-made tropical-style lagoon and method for providing efficient utilization of limited use land  
 (51) Int. Cl.  
*B63B 35/44* ( 2006.01 )  
*E02B 3/06* ( 2006.01 )  
*E02B 17/00* ( 2006.01 )  
*E04H 3/00* ( 2006.01 )  
*E04H 14/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018405540  
 (72) Fischmann Torres, Fernando Benjamin  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) CSP Technologies, Inc.  
 (11) AU-A-2021200198  
 (21) 2021200198 (22) 14.01.2021  
 (54) Antimicrobial gas releasing agents and systems and methods for using the same  
 (51) Int. Cl.  
*A01N 25/10* ( 2006.01 )  
*A01N 25/18* ( 2006.01 )  
*A01N 59/00* ( 2006.01 )  
*A01N 59/08* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019380276  
 (72) PRATT, Jason; FREEDMAN, Jonathan R.; GUPTA, Deepti S.; JOHNSTON, Michael A.; BELFANCE, John; SPANO, William Frederick  
 (74) Dark IP
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- (71) Cytoimmune Therapeutics, LLC  
 (11) AU-A-2021201329  
 (21) 2021201329 (22) 02.03.2021  
 (54) FLT3 DIRECTED CAR CELLS FOR IMMUNOTHERAPY  
 (51) Int. Cl.  
*C07K 14/725* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016326721  
 (72) Yu, Jianhua; Caligiuri, Michael; Devine, Steven  
 (74) HENRY HUGHES IP LTD
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- (71) Dana-Farber Cancer Institute, Inc.  
 (11) AU-A-2021201265  
 (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  
 (51) Int. Cl.  
*A61K 38/17* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
 (43) 18.03.2021  
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 (72) Bae, Joeoun; Munshi, Nikhil; Anderson, Kenneth  
 (74) Spruson & Ferguson



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Burnham Institute for Medical Research  
(11) AU-A-2021201294  
(21) 2021201294 (22) 26.02.2021  
(54) Antibodies against influenza virus and  
methods of use thereof  
(51) Int. Cl.  
C07K 16/10 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
G01N 33/50 ( 2006.01 )  
(43) 18.03.2021  
(62) 2019204310  
(72) MARASCO, Wayne A.; SUI, Jianhua;  
LIDDINGTON, Robert C.  
(74) Spruson & Ferguson
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- (71) DANISCO US INC.  
(11) AU-A-2021201263  
(21) 2021201263 (22) 26.02.2021  
(54) METHODS FOR IMPROVING BY-  
PRODUCTS FROM FERMENTATION  
PROCESSES USING XYLANASE  
(51) Int. Cl.  
C12N 9/24 ( 2006.01 )  
C12P 7/64 ( 2006.01 )  
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(62) 2015211376  
(72) TEUNISSEN, Paula Johanna Maria;  
PEPSIN, Michael Jay; SHARMA, Vivek  
(74) Houlihan<sup>2</sup> Pty Ltd
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- (71) Dart Industries Inc.  
(11) AU-A-2020210260  
(21) 2020210260 (22) 30.07.2020  
(54) COMBINED VEGETABLE AND FRUIT  
PEELER  
(51) Int. Cl.  
A47J 17/02 ( 2006.01 )  
A47J 17/04 ( 2006.01 )  
(31) 16/550,387 (32) 26.08.19 (33) US  
(43) 18.03.2021  
(72) Byeon, Dongjin; De Pauw, Frederick  
M.N.; De Beer, Nathalie  
(74) Phillips Ormonde Fitzpatrick
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- (71) Dart Industries Inc.  
(11) AU-A-2020210261  
(21) 2020210261 (22) 30.07.2020  
(54) DUAL SPEED MANUAL STAND MIX-  
ER  
(51) Int. Cl.  
A47J 43/10 ( 2006.01 )  
A47J 43/044 ( 2006.01 )  
A47J 43/08 ( 2006.01 )  
(31) 16/552,068 (32) 27.08.19 (33) US  
(43) 18.03.2021  
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Antoon; Byeon, Dongjin  
(74) Phillips Ormonde Fitzpatrick
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- (71) David, L.  
(11) AU-A-2021200460  
(21) 2021200460 (22) 24.01.2021  
(54) Self-Weighing Expandable Bag  
(51) Int. Cl.
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- A45C 15/00 ( 2006.01 )  
G01G 19/58 ( 2006.01 )  
(31) 16/552,247 (32) 27.08.19 (33) US  
(43) 18.03.2021  
(72) David, Liviu  
(74) Liviu David
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- (71) Deere & Company  
(11) AU-A-2020207839  
(21) 2020207839 (22) 23.07.2020  
(54) Systems and methods for selective fer-  
tilizer placement  
(51) Int. Cl.  
A01C 21/00 ( 2006.01 )  
(31) 16/551,291 (32) 26.08.19 (33) US  
(43) 18.03.2021  
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ner, Cary S.; Wonderlich, Grant J.; Her-  
rmann, Kenneth E.  
(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2020207866  
(21) 2020207866 (22) 24.07.2020  
(54) Residue shield for row cleaner on an  
agricultural machine  
(51) Int. Cl.  
A01C 5/06 ( 2006.01 )  
A01B 35/28 ( 2006.01 )  
A01C 7/00 ( 2006.01 )  
(31) 16/555,874 (32) 29.08.19 (33) US  
(43) 18.03.2021  
(72) Goering, Kevin J.; Young, Steven C.;  
Barker, Mark E.; Garner, Elijah B.;  
Bode, Dennis W.; Gray, Susan G.;  
Foster, Chris W.  
(74) Davies Collison Cave Pty Ltd
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- (71) Deere & Company  
(11) AU-A-2020207870  
(21) 2020207870 (22) 24.07.2020  
(54) Variable float and variable blade impact  
(51) Int. Cl.  
E02F 9/22 ( 2006.01 )  
E02F 3/84 ( 2006.01 )  
E02F 9/20 ( 2006.01 )  
(31) 16/555,864 (32) 29.08.19 (33) US  
(43) 18.03.2021  
(72) Zell, Adam; Kraft, Anthony K.  
(74) Davies Collison Cave Pty Ltd
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- (71) Deere & Company  
(11) AU-A-2021201391  
(21) 2021201391 (22) 03.03.2021  
(54) Equalization of nozzle performance for  
sprayers  
(51) Int. Cl.  
B05B 1/30 ( 2006.01 )  
A01M 7/00 ( 2006.01 )  
B05B 12/00 ( 2018.01 )  
(43) 18.03.2021  
(62) 2015268691  
(72) Sullivan, Dennis J.; Humpal, Richard A.  
(74) Davies Collison Cave Pty Ltd
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- (71) DEKA Products Limited Partnership  
(11) AU-A-2021201372  
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(54) HEMODIALYSIS SYSTEMS AND  
METHODS  
(51) Int. Cl.  
A61M 1/16 ( 2006.01 )  
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Kevin L.; Wilt, Michael J.; Dale, James  
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(74) Pizeys Patent and Trade Mark Attor-  
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- (71) Delta T, LLC  
(11) AU-A-2021200150  
(21) 2021200150 (22) 12.01.2021  
(54) Fan with Learning Mode  
(51) Int. Cl.  
F04D 27/00 ( 2006.01 )  
F04D 25/08 ( 2006.01 )  
(43) 18.03.2021  
(62) 2019201620  
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Oleson, Richard A.; White, Marshall;  
Bishop, Jason; Lenser, Richard; Banks,  
David R.  
(74) Jones Tulloch
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- (71) Depuy Synthes Products, Inc.  
(11) AU-A-2020217411  
(21) 2020217411 (22) 13.08.2020  
(54) Patient specific guide for acetabular  
reamer and impactor  
(51) Int. Cl.  
A61B 17/90 ( 2006.01 )  
A61F 2/34 ( 2006.01 )  
(31) 16/559,756 (32) 04.09.19 (33) US  
(43) 18.03.2021  
(72) RHODES, James M.  
(74) Spruson & Ferguson
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- (71) DesignereX Group Pty Ltd  
(11) AU-A-2021200296  
(21) 2021200296 (22) 18.01.2021  
(54) AN IMPROVED DESIGNER CLOTH-  
ING DISTRIBUTION SYSTEM  
(51) Int. Cl.  
G06Q 30/08 ( 2012.01 )  
G06Q 30/06 ( 2012.01 )  
(43) 18.03.2021  
(62) 2015321407  
(72) Koulis, Costa; Kore, Kirsten  
(74) Alder IP Pty Ltd
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- (71) Dexcom, Inc.  
(11) AU-A-2021200100  
(21) 2021200100 (22) 08.01.2021  
(54) System and method for wireless com-  
munication of glucose data  
(51) Int. Cl.  
A61B 5/145 ( 2006.01 )  
(43) 18.03.2021  
(62) 2019257399  
(72) MANDAPAKA, Aditya; VALDES, Jorge;  
WEDEKIND, Jeffrey R.; COHEN, Eric;

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**(74)** FB Rice Pty Ltd
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- (71)** Dexcom, Inc.  
**(11)** AU-A-2021201309  
**(21)** 2021201309 **(22)** 01.03.2021  
**(54)** Systems and methods for providing sensitive and specific alarms  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )
- (43)** 18.03.2021  
**(62)** 2019204190  
**(72)** BHAVARAJU, Naresh C.; COBELLI, Claudio; FACCHINETTI, Andrea; HAMPAPURAM, Hari; KAMATH, Apurv Ullas; RACK-GOMER, Anna Leigh; SPARACINO, Giovanni; ZECCHIN, Chiara  
**(74)** FB Rice Pty Ltd
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- (71)** DISTILLERIE MAZZARI S.P.A.  
**(11)** AU-A-2020223738  
**(21)** 2020223738 **(22)** 27.08.2020  
**(54)** PLANT AND PROCESS FOR CONCENTRATING TARTARIC ACID  
**(51)** Int. Cl.  
**B01D 1/26** ( 2006.01 )  
**B01D 1/12** ( 2006.01 )  
**B01D 1/14** ( 2006.01 )  
**B01D 1/30** ( 2006.01 )  
**C07C 51/42** ( 2006.01 )
- (31)** 102019000015288 **(32)** 30.08.19 **(33)** IT  
**(43)** 18.03.2021  
**(72)** EMIDIO, MARGHERITINI  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** DISTILLERIE MAZZARI S.P.A.  
**(11)** AU-A-2020223741  
**(21)** 2020223741 **(22)** 27.08.2020  
**(54)** PLANT AND PROCESS FOR CONCENTRATING TARTARIC ACID  
**(51)** Int. Cl.  
**B01D 3/14** ( 2006.01 )  
**C07C 51/42** ( 2006.01 )
- (31)** 102019000015291 **(32)** 30.08.19 **(33)** IT  
**(43)** 18.03.2021  
**(72)** EMIDIO, MARGHERITINI  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** Dolby International AB  
**(11)** AU-A-2021200241  
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**(54)** Method for encoding and method for decoding a LUT and corresponding devices  
**(51)** Int. Cl.  
**H04N 19/50** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )  
**H04N 19/30** ( 2014.01 )  
**H04N 19/463** ( 2014.01 )
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**(74)** Chrysiliou IP
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**(11)** AU-A-2021201381  
**(21)** 2021201381 **(22)** 03.03.2021  
**(54)** AN ELASTIC CORE COMPOSITE OR ASSEMBLY, AND A SYSTEM AND METHOD FOR MAKING THE ELASTIC COMPOSITE ASSEMBLY  
**(51)** Int. Cl.  
**A61F 13/15** ( 2006.01 )  
**A61F 13/49** ( 2006.01 )
- (43)** 18.03.2021  
**(62)** 2016359627  
**(72)** Varona, Eugenio; Wright, Andrew  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** DSM IP Assets B.V.  
**(11)** AU-A-2021201384  
**(21)** 2021201384 **(22)** 03.03.2021  
**(54)** REFINED OIL COMPOSITIONS AND METHODS FOR MAKING  
**(51)** Int. Cl.  
**C11B 3/00** ( 2006.01 )  
**A23D 9/02** ( 2006.01 )  
**C11B 3/10** ( 2006.01 )  
**C11B 3/14** ( 2006.01 )
- (43)** 18.03.2021  
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**(72)** Stefanski, Michael Lenn; Tabayehnejad, Nasrin; Luigart, Chris Connor  
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**(21)** 2021200144 **(22)** 12.01.2021  
**(54)** Anti-plasma kallikrein antibodies  
**(51)** Int. Cl.  
**C07K 16/40** ( 2006.01 )
- (43)** 18.03.2021  
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**(72)** NIXON, Andrew.; KENNISTON, Jon A.; COMEAU, Stephen R.  
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**(21)** 2021200309 **(22)** 19.01.2021  
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**(51)** Int. Cl.  
**C07K 16/40** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )
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**(62)** 2015235967  
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**(21)** 2021200261 **(22)** 18.01.2021  
**(54)** Energy Absorbing Apparatus  
**(51)** Int. Cl.  
**A62B 1/10** ( 2006.01 )  
**A62B 35/04** ( 2006.01 )  
**B66D 5/18** ( 2006.01 )
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**(62)** 2015355675  
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**(21)** 2021200212 **(22)** 14.01.2021  
**(54)** Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient  
**(51)** Int. Cl.  
**A61N 1/00** ( 2006.01 )
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**(74)** Spruson & Ferguson
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**(21)** 2021200161 **(22)** 13.01.2021  
**(54)** WEARABLE DEVICES  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0205** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**A61B 5/04** ( 2006.01 )  
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**A61B 5/0408** ( 2006.01 )
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**(21)** 2021200252 **(22)** 15.01.2021  
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**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
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(54) Novel anti-CD39 antibodies  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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GAO, Rui; ARCH, Robert H.; LU,  
Hongtao  
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**Elpiscience Biopharma, Ltd. see Elpiscience (Suzhou) Biopharma, Ltd.**

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Foundation  
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(54) Compounds for positron emission  
tomography  
(51) Int. Cl.  
**A61K 51/04** ( 2006.01 )  
**G01N 33/82** ( 2006.01 )  
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OF A TRAILER  
(51) Int. Cl.  
**B60P 1/02** ( 2006.01 )  
**B60G 17/052** ( 2006.01 )  
**B60P 3/07** ( 2006.01 )  
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Gayle  
(74) Pini IP

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(54) Compositions and methods for detect-  
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**C12P 19/34** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
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in PMI foams  
(51) Int. Cl.  
**C08J 9/00** ( 2006.01 )  
**C08F 220/46** ( 2006.01 )  
**C08J 9/04** ( 2006.01 )  
**C08L 33/24** ( 2006.01 )  
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(74) AJ PARK

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(11) AU-A-2021200202  
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(54) CRYSTALLINE FUMARATE SALT OF  
(S)-[3,4-DIFLUORO-2-(2-FLUORO-4-  
IODOPHENYLAMINO)PHENYL] [3-HY-  
DROXY-3-(PIPERIDIN-2-YL) AZETID-  
IN-1-YL]-METHANONE  
(51) Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
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(51) Int. Cl.  
**A47G 9/10** ( 2006.01 )  
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(54) Tetrahydro-pyrido[3,4-b]indole estrogen  
receptor modulators and uses thereof  
(51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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LABADIE, Sharada; LIANG, Jun; OR-  
TWINE, Daniel Fred; RAY, Nicholas  
Charles; WANG, Xiaojing; ZBIEG,  
Jason; ZHANG, Birong  
(74) Griffith Hack

(71) Fabric Genomics, Inc.; University of  
Utah  
(11) AU-A-2021200411  
(21) 2021200411 (22) 22.01.2021  
(54) METHODS AND SYSTEMS FOR GEN-  
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**G16B 20/00** ( 2019.01 )  
**G16B 50/10** ( 2019.01 )  
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(74) Pizeys Patent and Trade Mark Attor-  
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(71) Fasetto, Inc.  
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(21) 2021201393 (22) 03.03.2021  
(54) Systems and methods for message  
editing  
(51) Int. Cl.  
**H04L 12/58** ( 2006.01 )  
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(72) CHRISTMAS, Coy; MALPASS, Luke  
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(71) Fiberlean Technologies Limited  
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(21) 2021201286 (22) 26.02.2021  
(54) Paper and paperboard products  
(51) Int. Cl.  
**D21H 11/18** ( 2006.01 )  
**D21H 19/52** ( 2006.01 )  
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SON, Tom; SELINA, Tania; SKUSE,  
David  
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(71) Fidelta D.O.O.  
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(21) 2021201355 (22) 02.03.2021  
(54) Seco macrolide compounds  
(51) Int. Cl.  
**C07H 17/02** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61K 31/7052** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 273/01** ( 2006.01 )  
**C07H 17/08** ( 2006.01 )  
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MARUSIC ISTUK, Zorica; KOSTRUN,  
Sanja; ZIHER, Dinko; RUPCIC, Renata;  
BUTKOVIC, Kristina; DUKSI, Marko;  
OZIMEC LANDEK, Ivana; PESIC, Di-  
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SAXTY, Gordon; POLJAK, Visnja  
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 (54) Pipe spray machine  
 (51) Int. Cl.  
**B05B 13/04** ( 2006.01 )  
**F16L 58/10** ( 2006.01 )  
**F16L 58/18** ( 2006.01 )

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 (54) HUMIDIFICATION CHAMBER FOR A RESPIRATORY ASSISTANCE APPARATUS  
 (51) Int. Cl.  
**A61M 16/16** ( 2006.01 )

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 (54) PATIENT INTERFACE AND HEADGEAR  
 (51) Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A62B 9/00** ( 2006.01 )  
**A62B 18/00** ( 2006.01 )

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 (54) Usability features for respiratory humidification system  
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**A61M 16/16** ( 2006.01 )

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 (54) BREATHING ASSISTANCE APPARATUS USER INTERFACE  
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**G06F 3/00** ( 2006.01 )  
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 (54) Patient interface with venting  
 (51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A62B 18/02** ( 2006.01 )

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 (54) IMPELLER AND MOTOR ASSEMBLY  
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**A61M 16/10** ( 2006.01 )

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2021201341  
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 (54) RESPIRATORY GAS THERAPY  
 (51) Int. Cl.  
**A61M 16/16** ( 2006.01 )  
**F24F 6/08** ( 2006.01 )

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**F16B 5/06** ( 2006.01 )

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**H04L 12/24** ( 2006.01 )

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(71) Fred Hutchinson Cancer Research Center; Seattle Children's Hospital d/b/a Seattle Children's Research Institute

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 (21) 2021200249 (22) 15.01.2021  
 (54) Method and compositions for cellular immunotherapy

(51) Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )

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 (74) FPA Patent Attorneys Pty Ltd

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 (54) Improvements in trellis posts  
 (51) Int. Cl.  
**E04H 17/20** ( 2006.01 )  
**A01G 17/14** ( 2006.01 )

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 (74) FB Rice Pty Ltd

(71) Fuvu Cognitive Network Corporation  
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 (21) 2021200339 (22) 20.01.2021  
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**G09B 5/06** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/16** ( 2006.01 )  
**G10L 15/04** ( 2013.01 )  
**G10L 15/26** ( 2006.01 )

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 (72) Nguyen, Phu-Vinh  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Fuzhou Autran Industrial Co., Ltd  
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 (54) DAMPING HINGE  
 (51) Int. Cl.  
*E05D 11/10* ( 2006.01 )  
*E05D 3/02* ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (54) PENETRATING SINGLE COMPONENT POLYMER SYSTEM  
 (51) Int. Cl.  
*C09K 8/575* ( 2006.01 )  
*E02D 3/12* ( 2006.01 )  
 (31) 62/891,684 (32) 26.08.19 (33) US  
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 (74) Phillips Ormonde Fitzpatrick

(71) Genelec Oy  
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 (54) System and method for complementary audio output  
 (51) Int. Cl.  
*H04R 29/00* ( 2006.01 )  
*H04S 7/00* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (54) Methods of treating early breast cancer with Trastuzumab-MCC-DM1 and Pertuzumab  
 (51) Int. Cl.  
*C07K 16/32* ( 2006.01 )  
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 (74) Griffith Hack

(71) Genentech, Inc.  
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 (51) Int. Cl.  
*C12M 3/02* ( 2006.01 )

*C12M 1/00* ( 2006.01 )  
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 (21) 2021201366 (22) 02.03.2021  
 (54) Formulations with reduced oxidation  
 (51) Int. Cl.  
*A61K 38/18* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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(71) Gen-Probe Incorporated  
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 (54) Compositions and methods for detecting HEV nucleic acid  
 (51) Int. Cl.  
*C12Q 1/70* ( 2006.01 )  
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(71) Genzyme Corporation  
 (11) AU-A-2021200242  
 (21) 2021200242 (22) 15.01.2021  
 (54) AAV vectors for retinal and CNS gene therapy  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C07K 14/015* ( 2006.01 )  
*C07K 14/71* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015252797  
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 (74) Griffith Hack

(71) German Town Gas Limited  
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 (21) 2020203105 (22) 12.05.2020  
 (54) Wall mount modular power point  
 (51) Int. Cl.  
*H01R 13/46* ( 2006.01 )  
*H01R 13/44* ( 2006.01 )  
 (31) 1912613.5 (32) 03.09.19 (33) GB  
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 (72) Terence, Ho Chi Hung; Chun, Kwok Yu  
 (74) Australian Patent and Trademark Services

(71) GE Video Compression, LLC  
 (11) AU-A-2021201291  
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(54) Context initialization in entropy coding  
 (51) Int. Cl.  
*H03M 7/42* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019203279  
 (72) GEORGE, Valeri; BROSS, Benjamin; KIRCHHOFFER, Heiner; MARPE, Detlev; NGUYEN, Tung; PREISS, Matthias; SIEKMANN, Mischa; STEGMANN, Jan; WIEGAND, Thomas  
 (74) Griffith Hack

(71) Gilead Sciences, Inc.  
 (11) AU-A-2021200229  
 (21) 2021200229 (22) 15.01.2021  
 (54) Pharmaceutical compositions comprising a JAK inhibitor  
 (51) Int. Cl.  
*A61K 31/541* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018236156  
 (72) Alonzo, David; Li, Bei; Stefanidis, Dimitrios  
 (74) FPA Patent Attorneys Pty Ltd

(71) Glidestore FreeTrack Pty Ltd  
 (11) AU-A-2020233701  
 (21) 2020233701 (22) 27.05.2020  
 (54) Electrically driven shelving system with a LiDAR operating system  
 (51) Int. Cl.  
*G01S 17/06* ( 2006.01 )  
*A47B 53/02* ( 2006.01 )  
*G01B 11/14* ( 2006.01 )  
*G01J 1/16* ( 2006.01 )  
*G01V 8/10* ( 2006.01 )  
 (31) 2019903170 (32) 29.08.19 (33) AU  
 (43) 18.03.2021  
 (72) PARKER, Brian  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Glycologix, LLC  
 (11) AU-A-2021200256  
 (21) 2021200256 (22) 15.01.2021  
 (54) Sulfated Glycosaminoglycan Biomaterials as Proteoglycan Mimics  
 (51) Int. Cl.  
*A61K 47/61* ( 2017.01 )  
*C08B 37/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017326009  
 (72) Jozefiak, Thomas H.  
 (74) RNB IP PTY LTD

(71) Google LLC  
 (11) AU-A-2021200128  
 (21) 2021200128 (22) 11.01.2021  
 (54) GENERATING IOT-BASED NOTIFICATION(S) AND PROVISIONING OF COMMAND(S) TO CAUSE AUTOMATIC RENDERING OF THE IOT-BASED NOTIFICATION(S) BY AUTOMATED ASSISTANT CLIENT(S) OF CLIENT DEVICE(S)

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(51) Int. Cl.  
**H04L 29/08** ( 2006.01 )  
**G10L 15/00** ( 2013.01 )  
**G10L 15/22** ( 2006.01 )  
**G10L 15/30** ( 2013.01 )  
**H04L 12/24** ( 2006.01 )  
(43) 18.03.2021  
(62) 2019234822  
(72) Schairer, David Roy; Mohammed, Sumer; Spates, IV, Mark; Kumar, Prem; Ng, Chi Yeung Jonathan; Zhu, Di; Clark, Steven  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Grail, Inc.  
(11) AU-A-2021200391  
(21) 2021200391 (22) 21.01.2021  
(54) Differential tagging of RNA for preparation of a cell-free DNA/RNA sequencing library  
(51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
(43) 18.03.2021  
(62) 2017290237  
(72) Larson, Matthew; Kim, John H.; Eatock, Nick; Jamshidi, Arash  
(74) James & Wells Intellectual Property

(71) Greeneden U.S. Holdings II, LLC  
(11) AU-A-2021200082  
(21) 2021200082 (22) 07.01.2021  
(54) Media channel management apparatus for network communications sessions  
(51) Int. Cl.  
**H04L 29/08** ( 2006.01 )  
**H04W 80/10** ( 2009.01 )  
(43) 18.03.2021  
(62) 2018260892  
(72) PIRAT, Vincent; THOMAS, Frederic; NICOLAS, Boris; RISTOCK, Herbert W.A.; RAIS, Philippe  
(74) FB Rice Pty Ltd

(71) Guinea, J.  
(11) AU-A-2020223670  
(21) 2020223670 (22) 25.08.2020  
(54) DESICCANT PRODUCT MOUNTING FOR ELECTRICAL INSTALLATIONS  
(51) Int. Cl.  
**B01D 53/26** ( 2006.01 )  
**B01D 53/04** ( 2006.01 )  
**H02B 1/28** ( 2006.01 )  
**H05K 5/06** ( 2006.01 )  
**H05K 7/14** ( 2006.01 )  
(31) 2019903114 (32) 26.08.19 (33) AU  
(43) 18.03.2021  
(72) Guinea, Joseph Kent  
(74) TJIP Patents, Trade Marks & Designs

**GUIYANG PLATEAU MINING MACHINERY COMPANY LIMITED see TAIYUAN UNIVERSITY OF TECHNOLOGY**  
(21) 2020202237

(71) HA, C.  
(11) AU-A-2020204240  
(21) 2020204240 (22) 25.06.2020  
(54) AI INTEGRATED SYSTEM FOR OPTIMIZING WASTE MANAGEMENT BY SELF-GUIDED ROBOT  
(51) Int. Cl.  
**B65F 5/00** ( 2006.01 )  
**B25J 5/00** ( 2006.01 )  
**B65F 1/14** ( 2006.01 )  
**G06Q 50/26** ( 2012.01 )  
(31) 10-2019-0109708 (32) 04.09.19 (33) KR  
(43) 18.03.2021  
(72) HA, CHUNYONG  
(74) AJ PARK

(71) Haptech, Inc.  
(11) AU-A-2021200178  
(21) 2021200178 (22) 13.01.2021  
(54) METHOD AND APPARATUS FOR FIREARM RECOIL SIMULATION  
(51) Int. Cl.  
**F41A 33/06** ( 2006.01 )  
(43) 18.03.2021  
(62) 2019203064  
(72) Monti, Kyle; Marse, Daryl  
(74) Phillips Ormonde Fitzpatrick

(71) Hart, J.  
(11) AU-A-2021201396  
(21) 2021201396 (22) 03.03.2021  
(54) A loading system  
(51) Int. Cl.  
**B65G 67/08** ( 2006.01 )  
**B65G 13/12** ( 2006.01 )  
**B65G 21/12** ( 2006.01 )  
**B65G 21/14** ( 2006.01 )  
**B65G 41/00** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016236766  
(72) Hart, John E.  
(74) Spruson & Ferguson

(71) Haulotte Group  
(11) AU-A-2020223779  
(21) 2020223779 (22) 28.08.2020  
(54) Oscillating axle for a lifting device, lifting device comprising such an axle and control method  
(51) Int. Cl.  
**B60G 9/02** ( 2006.01 )  
**B60G 21/073** ( 2006.01 )  
**B66F 11/04** ( 2006.01 )  
**B66F 17/00** ( 2006.01 )  
(31) 1909665 (32) 03.09.19 (33) FR  
(43) 18.03.2021  
(72) Simon, Alexandre; Cognet, Rémy  
(74) Davies Collison Cave Pty Ltd

**HAYWARD, C.Q. see HAYWARD, K.M.**  
(21) 2021200335

(71) HAYWARD, K.M.; HAYWARD, C.Q.  
(11) AU-A-2021200335  
(21) 2021200335 (22) 20.01.2021

(54) Method and system for online transactions  
(51) Int. Cl.  
**G06Q 30/08** ( 2012.01 )  
(43) 18.03.2021  
(62) 2015244501  
(72) HAYWARD, Karyn Marcia; HAYWARD, Charles Quenton  
(74) James & Wells Intellectual Property

(71) Heat Biologics, Inc.  
(11) AU-A-2021200367  
(21) 2021200367 (22) 20.01.2021  
(54) Compositions and methods for adjoining type i and type ii extracellular domains as heterologous chimeric proteins  
(51) Int. Cl.  
**C07K 14/525** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 38/19** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016331076  
(72) Schreiber, Taylor; Fromm, George; De Silva, Suresh; Schilling, Neal  
(74) Allens Patent & Trade Mark Attorneys

(71) Honeywell International Inc.  
(11) AU-A-2021201270  
(21) 2021201270 (22) 26.02.2021  
(54) Apparatus and method for controlling an industrial process on model-based controller performance  
(51) Int. Cl.  
**G05B 23/02** ( 2006.01 )  
(43) 18.03.2021  
(62) 2018285617  
(72) Trenchard, Andrew John; Dave, Sanjay K.; Webb, Christopher J.; Niemiec, Michael; Vartak, Mandar; Hallihole, Sriram  
(74) FPA Patent Attorneys Pty Ltd

(71) Horizon Orphan LLC  
(11) AU-A-2021200321  
(21) 2021200321 (22) 19.01.2021  
(54) ADO-Resistant Cysteamine Analogs And Uses Thereof  
(51) Int. Cl.  
**A61K 31/145** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 31/4402** ( 2006.01 )  
**A61K 31/4409** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61K 31/4465** ( 2006.01 )  
**C07C 323/30** ( 2006.01 )  
**C07D 211/54** ( 2006.01 )

(43) 18.03.2021  
(62) 2016288230  
(72) Zankel, Todd C.; Unitt, John; Phillips, Timothy; Gourdet, Benoit; Duffy, Loma  
(74) WRAYS PTY LTD

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(71) Hot Lime Labs Limited  
 (11) AU-A-2021200197  
 (21) 2021200197 (22) 14.01.2021  
 (54) IMPROVED METHOD AND APPARATUS FOR CARBON DIOXIDE CAPTURE AND RELEASE  
 (51) Int. Cl.  
*B01D 53/62* ( 2006.01 )  
*B01D 53/72* ( 2006.01 )  
*B01J 19/00* ( 2006.01 )  
*B01J 20/00* ( 2006.01 )  
*C01B 32/60* ( 2017.01 )  
*C01B 32/90* ( 2017.01 )  
 (43) 18.03.2021  
 (62) 2018230029  
 (72) Materic, Vlatko  
 (74) The IP Studio

(71) Howmedica Osteonics Corp.,  
 (11) AU-A-2021201283  
 (21) 2021201283 (22) 26.02.2021  
 (54) System and method for predicting tissue integrity  
 (51) Int. Cl.  
*A61B 5/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017200034  
 (72) YILDIRIM, Gokce; PARKER, John  
 (74) FB Rice Pty Ltd

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2021200254  
 (21) 2021200254 (22) 15.01.2021  
 (54) METHOD FOR DISPLAYING CURRENT GEOGRAPHICAL LOCATION ON EMERGENCY CALL SCREEN AND TERMINAL  
 (51) Int. Cl.  
*H04W 4/02* ( 2018.01 )  
 (43) 18.03.2021  
 (62) 2016424950  
 (72) Qi, Ning; Cao, Shiyong  
 (74) Phillips Ormonde Fitzpatrick

(71) Huazhong University of Science and Technology  
 (11) AU-A-2020223753  
 (21) 2020223753 (22) 28.08.2020  
 (54) FORMING SYSTEM AND METHOD OF HYBRID ADDITIVE MANUFACTURING AND SURFACE COATING  
 (51) Int. Cl.  
*B29C 64/188* ( 2017.01 )  
*B22F 3/12* ( 2006.01 )  
*B29C 64/20* ( 2017.01 )  
*B29C 64/205* ( 2017.01 )  
*B33Y 10/00* ( 2015.01 )  
*B33Y 30/00* ( 2015.01 )  
 (31) 201910809421. 1 (32) 29.08.19 (33) CN  
 (43) 18.03.2021  
 (72) ZHANG, Haiou; HU, Xiaoj; DAI, Fusheng; WANG, Guilan  
 (74) Origin Patent and Trade Mark Attorneys

(71) Hubbell Incorporated  
 (11) AU-A-2021201290  
 (21) 2021201290 (22) 26.02.2021

(54) Light fixture having fixed angular position and lamp module for light fixtures  
 (51) Int. Cl.  
*F21S 8/02* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015259411  
 (72) AHRARI, Armin; NANKIL, Robert  
 (74) Griffith Hack

Hudson Institute of Medical Research see Monash University  
 (21) 2021201335

(71) Husqvarna AB  
 (11) AU-A-2021200044  
 (21) 2021200044 (22) 06.01.2021  
 (54) VALVE HOUSING ASSEMBLY  
 (51) Int. Cl.  
*F16K 27/12* ( 2006.01 )  
*A01G 25/16* ( 2006.01 )  
*E02B 13/02* ( 2006.01 )  
*F16K 43/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018435067  
 (72) Renner, Thomas  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ibentrus, Inc.  
 (11) AU-A-2021200412  
 (21) 2021200412 (22) 22.01.2021  
 (54) Bispecific proteins and methods for preparing same  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017298535  
 (72) Kim, Hoon; Bae, Sohyun  
 (74) FB Rice Pty Ltd

(71) ICM Airport Technics Australia Pty Ltd  
 (11) AU-A-2021201398  
 (21) 2021201398 (22) 03.03.2021  
 (54) LUGGAGE PROCESSING STATION AND SYSTEM THEREOF  
 (51) Int. Cl.  
*B64F 1/36* ( 2017.01 )  
*B65G 15/00* ( 2006.01 )  
*G01B 9/02* ( 2006.01 )  
*G01B 11/00* ( 2006.01 )  
*G01B 11/02* ( 2006.01 )  
*G01G 11/00* ( 2006.01 )  
*G06Q 10/02* ( 2012.01 )  
*G06Q 50/28* ( 2012.01 )  
 (43) 18.03.2021  
 (62) 2019240554  
 (72) Dinkelmann, Richard; Dinkelmann, Rainer  
 (74) Griffith Hack

(71) Idemia Identity & Security France  
 (11) AU-A-2020223774  
 (21) 2020223774 (22) 28.08.2020  
 (54) A module for reading a document, and an associated stand and an associated terminal

(51) Int. Cl.  
*G06K 9/20* ( 2006.01 )  
*G06K 9/78* ( 2006.01 )  
*G06K 9/82* ( 2006.01 )  
*G06Q 50/34* ( 2012.01 )  
 (31) 1909524 (32) 29.08.19 (33) FR  
 (43) 18.03.2021  
 (72) COMBES, Sophie; CHAUSSADE, Xavier; GAUCHER, Luc  
 (74) Spruson & Ferguson

(71) IGM BIOSCIENCES, INC.  
 (11) AU-A-2021200348  
 (21) 2021200348 (22) 20.01.2021  
 (54) Binding molecules with modified J-chain  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016329197  
 (72) Keyt, Bruce; Presta, Leonard George; Baliga, Ramesh  
 (74) AJ PARK

(71) Illumina, Inc.  
 (11) AU-A-2021200154  
 (21) 2021200154 (22) 12.01.2021  
 (54) Somatic copy number variation detection  
 (51) Int. Cl.  
*G16B 25/00* ( 2019.01 )  
 (43) 18.03.2021  
 (62) 2017332381  
 (72) Chuang, Han-Yu; Zhao, Chen  
 (74) FPA Patent Attorneys Pty Ltd

(71) Illumina, Inc.  
 (11) AU-A-2021200408  
 (21) 2021200408 (22) 21.01.2021  
 (54) Integrated Optoelectronic Read Head And Fluidic Cartridge Useful For Nucleic Acid Sequencing  
 (51) Int. Cl.  
*G01N 21/64* ( 2006.01 )  
*G01N 21/03* ( 2006.01 )  
*G01N 21/05* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019200400  
 (72) BUERMANN, Dale; MOON, John A.; CRANE, Bryan; WANG, Mark; HONG, Stanley S.; HARRIS, Jason; HAGE, Matthew Hans; NIBBE, Mark J.  
 (74) WRAYS PTY LTD

(71) Immatics Biotechnologies GmbH  
 (11) AU-A-2021201346  
 (21) 2021201346 (22) 02.03.2021  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
 (51) Int. Cl.  
*C07K 14/705* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 7/06* ( 2006.01 )

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- C07K 7/08** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018212584  
**(72)** Schuster, Heiko; Peper, Janet; Röhle, Kevin; Wagner, Philipp; Rammensee, Hans-Georg  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Immatics Biotechnologies GmbH  
**(11)** AU-A-2021201347  
**(21)** 2021201347 **(22)** 02.03.2021  
**(54)** NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018212584  
**(72)** Schuster, Heiko; Peper, Janet; Röhle, Kevin; Wagner, Philipp; Rammensee, Hans-Georg  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Immatics Biotechnologies GmbH  
**(11)** AU-A-2021201348  
**(21)** 2021201348 **(22)** 02.03.2021  
**(54)** NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018212584  
**(72)** Schuster, Heiko; Peper, Janet; Röhle, Kevin; Wagner, Philipp; Rammensee, Hans-Georg  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Immatics Biotechnologies GmbH  
**(11)** AU-A-2021201349  
**(21)** 2021201349 **(22)** 02.03.2021  
**(54)** NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018212584  
**(72)** Schuster, Heiko; Peper, Janet; Röhle, Kevin; Wagner, Philipp; Rammensee, Hans-Georg  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Immatics Biotechnologies GmbH  
**(11)** AU-A-2021201350  
**(21)** 2021201350 **(22)** 02.03.2021  
**(54)** NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018212584  
**(72)** Schuster, Heiko; Peper, Janet; Röhle, Kevin; Wagner, Philipp; Rammensee, Hans-Georg  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Impossible Foods Inc.  
**(11)** AU-A-2021200365  
**(21)** 2021200365 **(22)** 20.01.2021  
**(54)** Methods and compositions for consumables  
**(51)** Int. Cl.  
**A23J 1/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018256629  
**(72)** BROWN, Patrick; VRLJIC, Marija; VARADAN, Ranjani; EISEN, Michael; SOLOMATIN, Sergey  
**(74)** Spruson & Ferguson
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- (71)** INCYTE HOLDINGS CORPORATION  
**(11)** AU-A-2021200266  
**(21)** 2021200266 **(22)** 18.01.2021  
**(54)** HETEROCYCLYLAMINES AS PI3K INHIBITORS  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 19/00** ( 2006.01 )  
**A61P 27/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201423  
**(72)** LI, Yun-Long; YAO, Wenqing; COMBS, Andrew P.; YUE, Eddy W.; MEI, Song; ZHU, Wenyu; GLENN, Joseph; MADUSKUIE JR., Thomas P.; SPARKS, Richard B.; DOUTY, Brent; HE, Chunhong  
**(74)** Houlihan<sup>2</sup> Pty Ltd
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- (71)** Infrabuild Wire Pty Limited  
**(11)** AU-A-2020223633  
**(21)** 2020223633 **(22)** 24.08.2020  
**(54)** STOP APPARATUS FOR A GATE  
**(51)** Int. Cl.  
**E05C 17/44** ( 2006.01 )  
**E05C 17/30** ( 2006.01 )
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- (31)** 2019903193 **(32)** 30.08.19 **(33)** AU  
**(43)** 18.03.2021  
**(72)** O'TOOLE, Lawrence; FABIEN, Robert  
**(74)** Griffith Hack
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- (71)** Innomed One, LLC  
**(11)** AU-A-2021200042  
**(21)** 2021200042 **(22)** 06.01.2021  
**(54)** Device and method for artificial insemination  
**(51)** Int. Cl.  
**A61B 17/43** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2017367648  
**(72)** PLESSALA, Kirby J.; FALKNER, Peter T.  
**(74)** Spruson & Ferguson
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- (71)** Inovio Pharmaceuticals, Inc.  
**(11)** AU-A-2021200414  
**(21)** 2021200414 **(22)** 22.01.2021  
**(54)** A minimally invasive dermal electroporation device  
**(51)** Int. Cl.  
**A61N 1/30** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019203517  
**(72)** Broderick, Kate; Kemmerrer, Stephen; McCoy, Jay  
**(74)** FB Rice Pty Ltd
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- (71)** Intelligent Sciences, Ltd.  
**(11)** AU-A-2021200307  
**(21)** 2021200307 **(22)** 19.01.2021  
**(54)** AIRCRAFT ACOUSTIC POSITION AND ORIENTATION DETECTION METHOD AND APPARATUS  
**(51)** Int. Cl.  
**G01S 5/22** ( 2006.01 )  
**G01C 21/00** ( 2006.01 )  
**G01S 5/24** ( 2006.01 )  
**G01S 5/26** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016420400  
**(72)** Pace, Nicholas G.; Guigne, Jacques  
**(74)** AUSTRALASIA IP PTY LTD
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- (71)** Intex Holdings Pty Ltd  
**(11)** AU-A-2019284136  
**(21)** 2019284136 **(22)** 30.12.2019  
**(54)** Improved Component of a Modular Building  
**(51)** Int. Cl.  
**E04B 1/343** ( 2006.01 )  
**E04B 1/19** ( 2006.01 )  
**E04H 1/00** ( 2006.01 )  
**(31)** 2019903136 **(32)** 27.08.19 **(33)** AU  
**(43)** 18.03.2021  
**(72)** Davies, Roger  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
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- (71)** James Hardie Technology Limited  
**(11)** AU-A-2020227018  
**(21)** 2020227018 **(22)** 01.09.2020  
**(54)** Jointer system



Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.  
**E04F 15/02** ( 2006.01 )  
**E04B 5/02** ( 2006.01 )  
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(43) 18.03.2021  
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(11) AU-A-2021200190  
(21) 2021200190 (22) 13.01.2021  
(54) Antibody Fc mutants with ablated effector functions  
(51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
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(51) Int. Cl.  
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**C12N 15/11** ( 2006.01 )  
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(11) AU-A-2021200066  
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(54) Ibrutinib combination therapy  
(51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
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(21) 2021200072 (22) 07.01.2021  
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(51) Int. Cl.  
**A61K 31/135** ( 2006.01 )  
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(51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
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(51) Int. Cl.  
**C07K 2/00** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 39/145** ( 2006.01 )  
**A61K 39/21** ( 2006.01 )  
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**B65D 71/12** ( 2006.01 )  
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(74) Anderson-Taylor & Associates

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(51) Int. Cl.  
**F16L 13/14** ( 2006.01 )  
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(72) LEE, Kwang Won  
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(51) Int. Cl.  
**E21C 37/00** ( 2006.01 )  
**E21F 5/06** ( 2006.01 )  
**E21F 17/00** ( 2006.01 )  
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(74) WRAYS PTY LTD

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(54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE  
(51) Int. Cl.  
**E21B 23/01** ( 2006.01 )  
**E21B 11/00** ( 2006.01 )  
**E21B 12/00** ( 2006.01 )  
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(74) FAL PATENTS PTY LTD

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(51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61K 31/12** ( 2006.01 )  
**A61K 31/16** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**A61K 31/216** ( 2006.01 )  
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**A61K 31/26** ( 2006.01 )  
**A61K 31/385** ( 2006.01 )  
**A61K 31/426** ( 2006.01 )  
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**A61K 31/70** ( 2006.01 )

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**A61P 1/04** ( 2006.01 )  
**A61P 5/48** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
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**(43)** 18.03.2021  
**(62)** 2019204493  
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**(74)** Griffith Hack
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**(54)** Pyrazole derivatives as plasma kallikrein inhibitors  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4155** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 27/00** ( 2006.01 )  
**C07D 401/10** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2021201343  
**(21)** 2021201343 **(22)** 02.03.2021  
**(54)** BATTERY PACK, ELECTRICAL DEVICE USING BATTERY PACK, AND ELECTRICAL DEVICE SYSTEM  
**(51)** Int. Cl.  
**H01M 2/10** ( 2006.01 )  
**H01M 10/44** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
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**(11)** AU-A-2021200371  
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**(54)** Work system, work machine, and control method  
**(51)** Int. Cl.  
**E02F 9/24** ( 2006.01 )
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**(21)** 2021200079 **(22)** 07.01.2021  
**(54)** Animal models and therapeutic molecules  
**(51)** Int. Cl.  
**A01K 67/027** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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**(74)** Griffith Hack
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**(11)** AU-A-2020223660  
**(21)** 2020223660 **(22)** 25.08.2020  
**(54)** Cooling Device For A Rotating Polishing Disk  
**(51)** Int. Cl.  
**B24B 55/02** ( 2006.01 )  
**B24B 23/02** ( 2006.01 )  
**B25F 5/00** ( 2006.01 )  
**(31)** 16/550,620 **(32)** 26.08.19 **(33)** US  
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**(72)** MCLAIN, Scott S.; KENDALL III, Charles B.  
**(74)** WRAYS PTY LTD
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- (71)** Lakewood Amedex, Inc.  
**(11)** AU-A-2021201251  
**(21)** 2021201251 **(22)** 26.02.2021  
**(54)** Antimicrobial compounds, compositions, and uses thereof  
**(51)** Int. Cl.  
**C07H 19/10** ( 2006.01 )  
**A01N 57/16** ( 2006.01 )  
**A61K 31/6615** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(43)** 18.03.2021  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2020223630  
**(21)** 2020223630 **(22)** 24.08.2020  
**(54)** ROADBLOCK FOR TEMPORARY INSTALLATION TO BLOCK TRAFFIC AND/OR AS A SECURITY PRECAUTION  
**(51)** Int. Cl.  
**E01F 13/02** ( 2006.01 )  
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- (71)** Legend Brands, Inc.  
**(11)** AU-A-2021200498  
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**(54)** SYSTEMS AND METHODS FOR DRYING ROOFS  
**(51)** Int. Cl.  
**E04B 1/70** ( 2006.01 )  
**E04D 13/00** ( 2006.01 )  
**(43)** 18.03.2021  
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**(11)** AU-A-2021201311  
**(21)** 2021201311 **(22)** 01.03.2021  
**(54)** INSTRUMENT MANAGEMENT SYSTEM  
**(51)** Int. Cl.  
**G06K 50/22** ( 2018.01 )  
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**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-A-2021201358  
**(21)** 2021201358 **(22)** 02.03.2021  
**(54)** Dynamic motion compensation  
**(51)** Int. Cl.  
**G01C 9/08** ( 2006.01 )  
**E02F 3/43** ( 2006.01 )  
**G01B 7/004** ( 2006.01 )  
**G01B 7/14** ( 2006.01 )  
**G01C 19/54** ( 2006.01 )  
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**(21)** 2021200326 **(22)** 19.01.2021  
**(54)** Laser methods and systems for addressing conditions of the lens  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61F 9/00** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
**A61F 9/009** ( 2006.01 )  
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 (51) Int. Cl.  
*F25D 29/00* ( 2006.01 )  
*F25D 23/02* ( 2006.01 )  
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 (72) YEOM, Tae jin  
 (74) Dentons Patent Attorneys Australasia Limited

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 (21) 2020223722 (22) 27.08.2020  
 (54) DRAWER AND CLOTHES TREATING MACHINE INCLUDING THE SAME  
 (51) Int. Cl.  
*D06F 39/02* ( 2006.01 )  
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 (72) JUNG, Sungwoon; JANG, Hunjun  
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 (54) DRAWER AND CLOTHES TREATING MACHINE INCLUDING THE SAME  
 (51) Int. Cl.  
*D06F 39/02* ( 2006.01 )  
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 (72) JUNG, Sungwoon; JANG, Hunjun  
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 (54) DRAWER AND CLOTHES TREATING MACHINE INCLUDING THE SAME  
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*D06F 39/02* ( 2006.01 )  
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 (54) DETERGENT STORAGE CONTAINER AND METHOD FOR MANUFACTURING THE SAME  
 (51) Int. Cl.  
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 (54) LAWN MOWER ROBOT AND METHOD OF CONTROLLING THE SAME  
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*A01D 34/00* ( 2006.01 )  
 (31) 10-2019-0108704 (32) 03.09.19 (33) KR  
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 (72) KIM, Jongha  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2020227080  
 (21) 2020227080 (22) 03.09.2020  
 (54) MOTOR DRIVING APPARATUS AND CLEANER INCLUDING THE SAME  
 (51) Int. Cl.  
*A47L 9/28* ( 2006.01 )  
*A47L 5/24* ( 2006.01 )  
*A47L 11/40* ( 2006.01 )  
*H02P 7/28* ( 2016.01 )  
 (31) 10-2019-0108706 (32) 03.09.19 (33) KR  
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 (21) 2021200247 (22) 15.01.2021  
 (54) Image decoding method and apparatus relying on intra prediction in image coding system  
 (51) Int. Cl.  
*H04N 19/593* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/14* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
 (43) 18.03.2021  
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 (72) Heo, Jin  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2020223652  
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 (54) DETERGENT SUPPLY DEVICE AND LAUNDRY TREATING APPARATUS INCLUDING THE SAME  
 (51) Int. Cl.  
*D06F 39/02* ( 2006.01 )  
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*A47L 9/16* ( 2006.01 )  
*A47L 9/28* ( 2006.01 )  
*A47L 9/32* ( 2006.01 )  
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 (54) System and method for directing content to users of a social networking engine  
 (51) Int. Cl.  
*G06F 17/40* ( 2006.01 )  
*G06F 9/06* ( 2006.01 )  
*G06F 15/16* ( 2006.01 )  
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 (72) LIAU, Soon Teck Frederick Noel  
 (74) FB Rice Pty Ltd

(71) Lifetime Products, Inc.  
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 (21) 2021200305 (22) 19.01.2021  
 (54) Dual color blow molding process  
 (51) Int. Cl.  
*B29C 48/30* ( 2019.01 )  
*B29C 48/345* ( 2019.01 )  
*B29C 49/02* ( 2006.01 )  
*B29C 49/04* ( 2006.01 )  
*B29C 49/22* ( 2006.01 )  
*B29C 49/28* ( 2006.01 )  
*B29C 49/50* ( 2006.01 )  
*B29C 49/58* ( 2006.01 )  
 (43) 18.03.2021  
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 (72) Anderson, Matthew Scott; Cole, Mark  
 (74) Clark Intellectual Property Pty Ltd

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 (21) 2021200306 (22) 19.01.2021  
 (54) Blow molded part including compression molded element  
 (51) Int. Cl.  
*B64C 1/06* ( 2006.01 )  
*B29C 70/30* ( 2006.01 )  
*B29C 70/50* ( 2006.01 )  
*B29C 70/70* ( 2006.01 )  
*B32B 3/12* ( 2006.01 )  
*B32B 38/10* ( 2006.01 )  
*B64C 1/12* ( 2006.01 )  
*B64C 3/18* ( 2006.01 )  
*B64C 3/26* ( 2006.01 )  
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 (54) Non-enzymatic method and milling device  
 (51) Int. Cl.  
*C12M 1/33* ( 2006.01 )  
*C12M 1/00* ( 2006.01 )
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 (62) 2017255912  
 (72) Wurzer, Christoph; Oberbauer, Eleni; Redl, Heinz  
 (74) Shelston IP Pty Ltd.
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- (71) Lorain County Community College Innovation Foundation  
 (11) AU-A-2021200224  
 (21) 2021200224 (22) 14.01.2021  
 (54) Tissue treatment device and method  
 (51) Int. Cl.  
*A61F 13/00* ( 2006.01 )  
*A61F 13/02* ( 2006.01 )  
*A61M 1/00* ( 2006.01 )  
*A61M 27/00* ( 2006.01 )  
*A61M 37/00* ( 2006.01 )
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 (11) AU-A-2021200141  
 (21) 2021200141 (22) 12.01.2021  
 (54) ARYL DIHYDRO-2h-BENZO[B][1,4]OXAZINE SULFONAMIDE AND RELATED COMPOUNDS FOR USE AS AGONISTS OF RORY AND THE TREATMENT OF DISEASE  
 (51) Int. Cl.  
*C07D 413/12* ( 2006.01 )  
*A61K 31/435* ( 2006.01 )  
*A61K 31/538* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
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*C07D 215/58* ( 2006.01 )  
*C07D 265/36* ( 2006.01 )  
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*C07D 401/06* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 413/06* ( 2006.01 )  
*C07D 413/14* ( 2006.01 )  
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*G09G 5/00* ( 2006.01 )
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*E06B 1/62* ( 2006.01 )  
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*C07K 14/00* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )
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*A01D 41/12* ( 2006.01 )  
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*A61K 47/64* ( 2017.01 )  
*A61K 47/68* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
*B82Y 5/00* ( 2011.01 )  
*C07K 16/28* ( 2006.01 )  
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*F02B 29/04* ( 2006.01 )  
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*F02B 33/00* ( 2006.01 )  
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**G16H 20/00** ( 2018.01 )  
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**G06F 7/58** ( 2006.01 )  
**G06F 7/552** ( 2006.01 )  
**G06F 17/17** ( 2006.01 )  
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**H04L 9/06** ( 2006.01 )
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 (51) Int. Cl.  
**G06F 7/58** ( 2006.01 )  
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 (51) Int. Cl.  
**G06Q 20/40** ( 2012.01 )  
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(71) Monash University; Hudson Institute of Medical Research

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 (51) Int. Cl.  
*C07K 14/54* ( 2006.01 )  
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*A01N 37/02* ( 2006.01 )  
*A01N 37/40* ( 2006.01 )  
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 (51) Int. Cl.  
*H04L 9/08* ( 2006.01 )  
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 (51) Int. Cl.

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*A61L 31/00* ( 2006.01 )  
*A61L 31/14* ( 2006.01 )  
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 (54) Double-headed hydrate inhibitors and methods of use  
 (51) Int. Cl.

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 (51) Int. Cl.

*A61K 31/198* ( 2006.01 )  
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 (21) 2021200290

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 (21) 2021200290

(71) National Taiwan University; National Chiao Tung University; National Health Research Institutes; Tseng, Y.J.

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*C07D 401/12* ( 2006.01 )  
*A61K 31/4184* ( 2006.01 )  
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(71) National University of Ireland Galway

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(51) Int. Cl.  
*A61B 18/00* ( 2006.01 )  
*A61B 18/02* ( 2006.01 )  
*A61B 18/04* ( 2006.01 )  
*A61B 18/18* ( 2006.01 )  
*A61N 1/05* ( 2006.01 )  
*A61N 1/18* ( 2006.01 )  
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 (54) SUBSTITUTED BENZIMIDAZOLES, THEIR PREPARATION AND THEIR USE AS PHARMACEUTICALS

(51) Int. Cl.  
*C07D 401/10* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
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**(11)** AU-A-2021200398  
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**(54)** Non-toxic plant agent compositions and methods and uses thereof  
**(51)** Int. Cl.  
**A01N 63/00** ( 2020.01 )  
**C07K 14/395** ( 2006.01 )  
**C11D 1/66** ( 2006.01 )  
**C12N 1/18** ( 2006.01 )  
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**(72)** Dale, Parker; Dale, Parker David  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2021200372  
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**(54)** CERTAIN CHEMICAL ENTITIES, COMPOSITIONS, AND METHODS  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**(43)** 18.03.2021  
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**(21)** 2021200268 **(22)** 18.01.2021  
**(54)** Melatonin mini-tablets and method of manufacturing the same  
**(51)** Int. Cl.  
**A61K 31/00** ( 2006.01 )  
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**(62)** 2019200479  
**(72)** LAUDON, Moshe; ZISAPEL, Nava  
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**(11)** AU-A-2021200373  
**(21)** 2021200373 **(22)** 20.01.2021  
**(54)** Devices, systems, and methods for stimulation therapy  
**(51)** Int. Cl.  
**A61B 5/04** ( 2006.01 )  
**A61N 1/08** ( 2006.01 )  
**A61N 1/18** ( 2006.01 )  
**A61N 1/32** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**A61N 1/40** ( 2006.01 )  
**H02J 50/20** ( 2016.01 )  
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**(54)** FUSION DEVICE  
**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
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**(74)** Griffith Hack
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**(21)** 2021200221 **(22)** 14.01.2021  
**(54)** Methods and systems for generating detailed datasets of an environment via gameplay  
**(51)** Int. Cl.  
**A63F 13/65** ( 2014.01 )  
**A63F 13/45** ( 2014.01 )  
**G06T 7/50** ( 2017.01 )  
**G06T 19/00** ( 2011.01 )  
**G06T 19/20** ( 2011.01 )  
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**(72)** HICKMAN, Ryan Michael; BAE, Soohyun  
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**(11)** AU-A-2021200083  
**(21)** 2021200083 **(22)** 07.01.2021  
**(54)** Logical router with multiple routing components  
**(51)** Int. Cl.  
**H04L 12/713** ( 2013.01 )  
**H04L 12/24** ( 2006.01 )  
**H04L 12/715** ( 2013.01 )  
**H04L 12/703** ( 2013.01 )  
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**(11)** AU-A-2021200157  
**(21)** 2021200157 **(22)** 12.01.2021  
**(54)** Hierarchical controller clusters for interconnecting different logical domains  
**(51)** Int. Cl.  
**H04L 12/54** ( 2013.01 )
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- (71)** Nippon Telegraph and Telephone Corporation; Mitsubishi Heavy Industries, Ltd.  
**(11)** AU-A-2021200097  
**(21)** 2021200097 **(22)** 08.01.2021  
**(54)** Intrusion prevention device, intrusion prevention method, and intrusion prevention program  
**(51)** Int. Cl.  
**G06F 13/00** ( 2006.01 )  
**G06F 21/55** ( 2013.01 )  
**G16C 10/00** ( 2019.01 )  
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**(74)** Spruson & Ferguson
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- (71)** Niu, Q.  
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**(21)** 2020203716 **(22)** 19.03.2020  
**(54)** Gasifier for organic solid waste by injection into molten iron and slag bath  
**(51)** Int. Cl.  
**C10J 3/00** ( 2006.01 )  
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**(43)** 18.03.2021  
**(72)** NIU, Qiang; YANG, Tianjun; LI, Min; ZHANG, Jianliang; GUO, Zhancheng; PANG, Jianming; YU, Guohua; DONG, Hongbiao  
**(74)** Origin Patent and Trade Mark Attorneys
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- (71)** Noble House Group Pty. Ltd.  
**(11)** AU-A-2021200386  
**(21)** 2021200386 **(22)** 21.01.2021  
**(54)** Improved sterile sampling methods and apparatus  
**(51)** Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**A61M 31/00** ( 2006.01 )  
**A61M 39/14** ( 2006.01 )  
**A61J 1/12** ( 2006.01 )  
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**(43)** 18.03.2021  
**(62)** 2019202755  
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**(74)** Acumen Intellectual Property
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- (71)** Northrop Grumman Systems Corporation  
**(11)** AU-A-2021201266  
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**(54)** Method of forming a superconductor interconnect structure

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(51) Int. Cl.  
**A23L 2/66** ( 2006.01 )
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(11) AU-A-2021200019  
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(51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A23D 7/00** ( 2006.01 )  
**A23D 9/00** ( 2006.01 )  
**A23G 9/52** ( 2006.01 )  
**A23L 2/52** ( 2006.01 )  
**A23L 29/256** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 9/107** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61K 36/185** ( 2006.01 )  
**A61K 47/44** ( 2017.01 )  
**A61P 25/30** ( 2006.01 )
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(72) Kleidon, William; Kirkland, Justin  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**B60R 5/00** ( 2006.01 )
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(74) A.P.T. Patent and Trade Mark Attorneys
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- (54) Agricultural tyne assembly  
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**A01C 7/20** ( 2006.01 )  
**A01B 49/02** ( 2006.01 )  
**A01B 49/06** ( 2006.01 )  
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**A01C 5/06** ( 2006.01 )  
**A01C 7/06** ( 2006.01 )  
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**B28B 7/36** ( 2006.01 )  
**E02B 3/12** ( 2006.01 )
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(54) A Protective Cover for a Hearing Aid Device  
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**C07D 209/52** ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
**B62D 25/24** ( 2006.01 )  
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- (31) 16/554,403 (32) 28.08.19 (33) US
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(74) Madderns Pty Ltd
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**C21D 9/04** ( 2006.01 )  
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(54) COMPLETE GENOME SEQUENCE OF THE METHANOGEN METHANOBREVIBACTER RUMINANTIUM  
(51) Int. Cl.  
**C12N 15/31** ( 2006.01 )  
**C07K 14/195** ( 2006.01 )  
**C07K 16/12** ( 2006.01 )
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(74) AJ PARK
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- (71) PDS Biotechnology Corporation  
(11) AU-A-2021200200  
(21) 2021200200 (22) 14.01.2021  
(54) Novel HPV16 non HLA-restricted T-cell vaccines, compositions and methods of use thereof  
(51) Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
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**A61K 39/12** ( 2006.01 )
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(74) FB Rice Pty Ltd
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(54) A degradation agent and method of preparation thereof

(51) Int. Cl.  
**C08K 3/10** ( 2018.01 )  
**C08K 5/098** ( 2006.01 )  
**C08L 23/04** ( 2006.01 )

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(71) Pfizer Inc.

(11) AU-A-2021200232

(21) 2021200232 (22) 15.01.2021

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(51) Int. Cl.  
**C07D 487/14** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
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**A61P 25/28** ( 2006.01 )  
**C07D 471/14** ( 2006.01 )  
**C07D 471/22** ( 2006.01 )  
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(71) Philip Morris Products S.A.

(11) AU-A-2021200223

(21) 2021200223 (22) 14.01.2021

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(51) Int. Cl.  
**A24F 47/00** ( 2020.01 )

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(72) Widmer, Jean-Marc; Mironov, Oleg

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(71) Phoenix Tissue Repair Inc.

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(21) 2021201356 (22) 02.03.2021

(54) Administration of Recombinant Collagen 7 for the Treatment of Age Related Disorders

(51) Int. Cl.

**A01N 63/00** ( 2020.01 )

**A61K 38/39** ( 2006.01 )

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(72) Gilchrest, Barbara A.

(74) WRAYS PTY LTD

(71) PNG Forest Products Limited

(11) AU-A-2021200149

(21) 2021200149 (22) 12.01.2021

(54) Prefabricated bridge module and method for fabrication thereof

(51) Int. Cl.  
**E01D 2/00** ( 2006.01 )  
**E01D 15/12** ( 2006.01 )  
**E01D 101/10** ( 2006.01 )

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(72) Robinson, Peter

(74) Allens Patent & Trade Mark Attorneys

(71) Polaris IP Pty Ltd

(11) AU-A-2021201278

(21) 2021201278 (22) 26.02.2021

(54) Hinge

(51) Int. Cl.  
**E05D 11/10** ( 2006.01 )  
**E05D 7/086** ( 2006.01 )

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(62) 2017201858

(72) STUART, Michael Christopher

(74) Spruson & Ferguson

(71) Precision Planting LLC

(11) AU-A-2021200389

(21) 2021200389 (22) 21.01.2021

(54) Agricultural toolbar apparatus, systems, and methods

(51) Int. Cl.  
**A01B 63/10** ( 2006.01 )

(43) 18.03.2021

(62) 2019213407

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(71) Premier Plastics Limited

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(21) 2021200080 (22) 07.01.2021

(54) IMPROVEMENTS IN OR RELATED TO CONTAINERS HAVING TAMPER-EVIDENT CAPS

(51) Int. Cl.  
**B65D 55/08** ( 2006.01 )  
**B65D 41/34** ( 2006.01 )  
**B65D 55/12** ( 2006.01 )

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(62) 2018256678

(72) Mutch, Bruce Harold

(74) AJ PARK

(71) President and Fellows of Harvard College

(11) AU-A-2021200127

(21) 2021200127 (22) 11.01.2021

(54) DELIVERY OF NEGATIVELY CHARGED PROTEINS USING CATIONIC LIPIDS

(51) Int. Cl.  
**C07K 14/435** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )

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(72) Liu, David R.; Thompson, David B.; Zuris, John Anthony

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(71) President and Fellows of Harvard College

(11) AU-A-2021200216

(21) 2021200216 (22) 14.01.2021

(54) RAS INHIBITORY PEPTIDES AND USES THEREOF

(51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )

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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) President and Fellows of Harvard College

(11) AU-A-2021200288

(21) 2021200288 (22) 18.01.2021

(54) Multiplex RNA-guided genome engineering

(51) Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )

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(72) Church, George M.; Dicarlo, James

(74) Davies Collison Cave Pty Ltd

(71) President and Fellows of Harvard College

(11) AU-A-2021200375

(21) 2021200375 (22) 20.01.2021

(54) Cas variants for gene editing

(51) Int. Cl.  
**C12N 9/78** ( 2006.01 )

(43) 18.03.2021

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(72) Liu, David R.; Komor, Alexis Christine

(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) President and Fellows of Harvard College

(11) AU-A-2021201257

(21) 2021201257 (22) 26.02.2021

(54) CAS9 VARIANTS AND USES THEREOF

(51) Int. Cl.  
**C07K 14/315** ( 2006.01 )  
**A61K 38/46** ( 2006.01 )

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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) President and Fellows of Harvard College; The General Hospital Corporation; The Children's Medical Center Corporation

(11) AU-A-2021201328  
 (21) 2021201328 (22) 02.03.2021  
 (54) Compositions and methods for non-myeloablative conditioning

(51) Int. Cl.  
*C07K 4/04* ( 2006.01 )  
*A61K 35/28* ( 2015.01 )  
*C12N 5/0789* ( 2010.01 )  
*C12R 1/07* ( 2006.01 )  
*C12R 1/16* ( 2006.01 )

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 (72) Scadden, David T.; Palchaudhuri, Rahul; Rossi, Derrick J.; Czechowicz, Agnieszka D.  
 (74) Shelston IP Pty Ltd.

(71) President and Fellows of Harvard College

(11) AU-A-2021201354  
 (21) 2021201354 (22) 02.03.2021  
 (54) NUCLEASE PROFILING SYSTEM

(51) Int. Cl.  
*C12N 9/22* ( 2006.01 )

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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2021200214

(71) Progress Profiles SpA  
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 (21) 2020227032 (22) 02.09.2020  
 (54) Pedestal/stand for raised floors

(51) Int. Cl.  
*E04F 15/024* ( 2006.01 )  
*B66F 1/00* ( 2006.01 )

(31) 102019000015545 (32) 04.09.19 (33) IT  
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 (72) BORDIN, Dennis  
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(71) Project Engineering (WA) Pty Ltd  
 (11) AU-A-2020227008  
 (21) 2020227008 (22) 31.08.2020  
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(51) Int. Cl.  
*E21B 34/00* ( 2006.01 )

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 (72) ROBERTS, David John  
 (74) WRAYS PTY LTD

(71) Proslide Technology Inc.  
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 (21) 2021200166 (22) 13.01.2021  
 (54) Amusement attraction fluid control system

(51) Int. Cl.  
*A63G 21/18* ( 2006.01 )  
*A63G 21/12* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )

(43) 18.03.2021  
 (62) 2015251474  
 (72) Hunter, Richard D.; Smegal, Raymond T.  
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(71) Pulse Biosciences, Inc.

(11) AU-A-2021200286  
 (21) 2021200286 (22) 18.01.2021  
 (54) High-voltage analog circuit pulser and pulse generator discharge circuit

(51) Int. Cl.  
*H03K 3/02* ( 2006.01 )  
*H03K 3/00* ( 2006.01 )  
*H03K 5/00* ( 2006.01 )  
*H03K 5/01* ( 2006.01 )  
*H03K 5/12* ( 2006.01 )

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 (74) Clark Intellectual Property Pty Ltd

Purdue Research Foundation see Endocyte, Inc.

(21) 2021200067

(71) Qualcomm Incorporated  
 (11) AU-A-2021200087  
 (21) 2021200087 (22) 07.01.2021  
 (54) FIXED POINT IMPLEMENTATION OF RANGE ADJUSTMENT OF COMPONENTS IN VIDEO CODING

(51) Int. Cl.  
*H04N 19/46* ( 2014.01 )  
*H04N 19/36* ( 2014.01 )  
*H04N 19/80* ( 2014.01 )  
*H04N 19/85* ( 2014.01 )

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 (74) Madderns Pty Ltd

(71) Qualcomm Incorporated

(11) AU-A-2021200088  
 (21) 2021200088 (22) 07.01.2021  
 (54) SYSTEMS AND METHODS FOR REUSE OF WIRELESS COMMUNICATION RESOURCES IN NEIGHBORING COMMUNICATION NETWORKS

(51) Int. Cl.  
*H04W 72/08* ( 2009.01 )  
*H04W 16/14* ( 2009.01 )

*H04W 84/12* ( 2009.01 )

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(71) Qualcomm Incorporated

(11) AU-A-2021200349  
 (21) 2021200349 (22) 20.01.2021  
 (54) REDIRECTION IN A NEUTRAL-HOST NETWORK

(51) Int. Cl.  
*H04W 48/18* ( 2009.01 )

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 (72) Lee, Jangwon; Park, Nam Soo; Prakash, Rajat; Carlson, Neil C.  
 (74) Madderns Pty Ltd

(71) RCM Enterprise, LLC

(11) AU-A-2021200316  
 (21) 2021200316 (22) 19.01.2021  
 (54) Bidirectional biomechanical prosthetic full finger configured for abduction and adduction with MCP pivot

(51) Int. Cl.  
*A61F 2/50* ( 2006.01 )  
*A61F 2/54* ( 2006.01 )  
*A61F 2/56* ( 2006.01 )  
*A61F 2/76* ( 2006.01 )  
*A61F 2/78* ( 2006.01 )

(43) 18.03.2021  
 (62) 2016265834  
 (72) Thompson Jr., Robert; Bengtsson, Jon; Peto, Anthony Charles; Minnis, Sydney Tye; Klumper, Eric Dennis; Crittenden, Bradley Arthur  
 (74) CreateIP

(71) RCM Enterprise, LLC

(11) AU-A-2021200317  
 (21) 2021200317 (22) 19.01.2021  
 (54) Bidirectional biomechanical prosthetic full finger configured for abduction and adduction with MCP pivot

(51) Int. Cl.  
*A61F 2/50* ( 2006.01 )  
*A61F 2/54* ( 2006.01 )  
*A61F 2/56* ( 2006.01 )  
*A61F 2/76* ( 2006.01 )  
*A61F 2/78* ( 2006.01 )

(43) 18.03.2021  
 (62) 2016265834  
 (72) Thompson Jr., Robert; Bengtsson, Jon; Peto, Anthony Charles; Minnis, Sydney Tye; Klumper, Eric Dennis; Crittenden, Bradley Arthur  
 (74) CreateIP

(71) Rearden LLC

(11) AU-A-2021200172  
 (21) 2021200172 (22) 13.01.2021  
 (54) SYSTEMS AND METHODS FOR EXPLOITING INTER-CELL MULTIPLEX-

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**(51)** Int. Cl.  
**H04L 25/03** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201712  
**(72)** Perlman, Stephen G.; Foreza, Antonio  
**(74)** Ellis Terry

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2021200193  
**(21)** 2021200193 **(22)** 14.01.2021  
**(54)** METABOLICALLY OPTIMIZED CELL CULTURE  
**(51)** Int. Cl.  
**C12N 5/02** ( 2006.01 )  
**C12N 5/16** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2014331776  
**(72)** Lawrence, Shawn; Kim, Ann; Johnson, Amy  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2021200228  
**(21)** 2021200228 **(22)** 15.01.2021  
**(54)** HISTIDINE ENGINEERED LIGHT CHAIN ANTIBODIES AND GENETICALLY MODIFIED NON-HUMAN ANIMALS FOR GENERATING THE SAME  
**(51)** Int. Cl.  
**A01K 67/027** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2014323527  
**(72)** McWhirter, John; Macdonald, Lynn; Murphy, Andrew J.  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Regents of the University of Minnesota  
**(11)** AU-A-2021201313  
**(21)** 2021201313 **(22)** 01.03.2021  
**(54)** BIOCONTAINMENT/BIOCONTROL SYSTEM AND METHODS  
**(51)** Int. Cl.  
**C12N 5/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12N 1/00** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016353057  
**(72)** Maselko, Maciej; Smanski, Mike  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Relievent Medsystems, Inc.  
**(11)** AU-A-2021200382  
**(21)** 2021200382 **(22)** 21.01.2021  
**(54)** Systems and methods for creating curved paths through bone and modulating nerves within the bone  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )

**A61B 17/56** ( 2006.01 )  
**A61B 17/70** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019206037  
**(72)** PATEL, Samit; PELLEGRINO, Richard; FLAGLER, Robert  
**(74)** FB Rice Pty Ltd

**(71)** Rice, B.  
**(11)** AU-A-2020223760  
**(21)** 2020223760 **(22)** 28.08.2020  
**(54)** Adjustable Post Pulling Plate  
**(51)** Int. Cl.  
**E04H 17/26** ( 2006.01 )  
**(31)** 2019903148 **(32)** 28.08.19 **(33)** AU  
**(43)** 18.03.2021  
**(72)** Rice, Benjamin Gavin  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD

**(71)** Ricoh Company, Limited  
**(11)** AU-A-2021200089  
**(21)** 2021200089 **(22)** 07.01.2021  
**(54)** Toner Container, Process Cartridge, and Image Forming Apparatus  
**(51)** Int. Cl.  
**G03G 15/08** ( 2006.01 )  
**G03G 21/18** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201957  
**(72)** YOSHIDA, Tomofumi; SAKAYA, Kohta; ARASAWA, Shinichi; PARK, Jin Sam; JUNG, Goo Chul; OGATA, Yasunobu  
**(74)** WRAYS PTY LTD

**(71)** Rollins, P.; Prime Datum, Inc.  
**(11)** AU-A-2021200214  
**(21)** 2021200214 **(22)** 14.01.2021  
**(54)** Direct drive fan system with variable process control  
**(51)** Int. Cl.  
**F28C 1/00** ( 2006.01 )  
**F04D 27/00** ( 2006.01 )  
**F28F 27/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2018253487  
**(72)** Rollins, Patrick; Costello, Joseph; Lucas, George  
**(74)** IP SOLVED (ANZ) PTY. LTD.

**(71)** Rosenshine, D.  
**(11)** AU-A-2021200269  
**(21)** 2021200269 **(22)** 18.01.2021  
**(54)** TRACKING AND MANAGEMENT OF VOICE CALLS AND FORM SUBMISSIONS RELATED TO ACCESSING NETWORK BASED CONTENT  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**G06Q 20/02** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2014339776  
**(72)** ROSENSHINE, Dorin R  
**(74)** Belyea IP

**(71)** Sage Therapeutics, Inc.  
**(11)** AU-A-2021200205  
**(21)** 2021200205 **(22)** 14.01.2021  
**(54)** Neuroactive steroids and methods of use thereof  
**(51)** Int. Cl.  
**C07J 9/00** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201275  
**(72)** MARTINEZ BOTELLA, Gabriel; HARRISON, Boyd L.; ROBICHAUD, Albert J.; SALITURO, Francesco G.  
**(74)** Spruson & Ferguson

**(71)** SAHARA CO., LTD.  
**(11)** AU-A-2020223654  
**(21)** 2020223654 **(22)** 25.08.2020  
**(54)** VENTILATION DEVICE  
**(51)** Int. Cl.  
**F24F 13/10** ( 2006.01 )  
**E06B 7/10** ( 2006.01 )  
**F24F 7/00** ( 2006.01 )  
**(31)** 2019-153592 **(32)** 26.08.19 **(33)** JP  
 2020-089665 22.05.20 JP  
**(43)** 18.03.2021  
**(72)** KUDO, Shotaro  
**(74)** Collison & Co

**Schepens Eye Research Institute see Massachusetts Eye & Ear Infirmary**  
**(21)** 2021200189

**Seattle Children's Hospital d/b/a Seattle Children's Research Institute see Fred Hutchinson Cancer Research Center**  
**(21)** 2021200249

**(71)** Seowon University Institute of Industry - Academy Collaboration  
**(11)** AU-A-2019236633  
**(21)** 2019236633 **(22)** 24.09.2019  
**(54)** Cosmetic composition comprising Mangifera indica irwin seed extract  
**(51)** Int. Cl.  
**A61K 8/9789** ( 2017.01 )  
**A61K 36/22** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(31)** 10-2019-0105979 **(32)** 28.08.19 **(33)** KR  
**(43)** 18.03.2021  
**(72)** LEE, In Chul  
**(74)** FB Rice Pty Ltd

**(71)** Seres Therapeutics, Inc.  
**(11)** AU-A-2021200287  
**(21)** 2021200287 **(22)** 18.01.2021  
**(54)** SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 35/742** ( 2015.01 )  
**A23L 33/135** ( 2016.01 )

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**A61K 35/00** ( 2006.01 )  
**A61K 35/744** ( 2015.01 )  
**A61K 35/745** ( 2015.01 )  
**(43)** 18.03.2021  
**(62)** 2014352643  
**(72)** Henn, Matthew R.; Litcofsky, Kevin Daniel; D'Onofrio, Anthony Mario; Ohsumi, Toshiro K.; McKenzie, Mary-Jane Lombardo; Von Maltzahn, Geoffrey; Cook, David N.; Berry, David Arthur; Afeyan, Noubar B.; Aunins, John Grant  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** SHAABAN, A.F.; THANDRA, V.  
**(11)** AU-A-2021201312  
**(21)** 2021201312 **(22)** 01.03.2021  
**(54)** SYSTEM AND METHOD FOR ALLOCATING VALUE TO TIMEKEEPER WORK  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**G06Q 30/04** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2015284128  
**(72)** SHAABAN, Ahmed Farouk; THANDRA, Venkat  
**(74)** Murray Trento & Associates Pty Ltd

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**(71)** SHAABAN, A.F.; THANDRA, V.  
**(11)** AU-A-2021201324  
**(21)** 2021201324 **(22)** 01.03.2021  
**(54)** IMPROVED CLIENT ENTRY AND MAINTENANCE SYSTEM FOR PROFESSIONAL SERVICES SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06F 17/40** ( 2006.01 )  
**G06Q 30/06** ( 2012.01 )  
**(43)** 18.03.2021  
**(62)** 2015284126  
**(72)** SHAABAN, Ahmed Farouk; THANDRA, Venkat  
**(74)** Murray Trento & Associates Pty Ltd

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**(71)** Shopify Inc.  
**(11)** AU-A-2020220123  
**(21)** 2020220123 **(22)** 19.08.2020  
**(54)** VIRTUAL AND AUGMENTED REALITY USING LIGHT FIELDS  
**(51)** Int. Cl.  
**G06T 13/20** ( 2011.01 )  
**(31)** 16/557,267 **(32)** 30.08.19 **(33)** US  
 20185574.9 13.07.20 EP  
**(43)** 18.03.2021  
**(72)** WADE, Jonathan  
**(74)** Murray Trento & Associates Pty Ltd

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**(71)** Silixa Limited  
**(11)** AU-A-2021200315  
**(21)** 2021200315 **(22)** 19.01.2021  
**(54)** Method and apparatus for optical sensing  
**(51)** Int. Cl.  
**G01D 5/353** ( 2006.01 )

**(43)** 18.03.2021  
**(62)** 2019202951  
**(72)** Farhadiroushan, Mahmoud; Parker, Richard Tom; Shatalin, Sergey  
**(74)** Griffith Hack

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**(71)** Sirna Therapeutics, Inc.  
**(11)** AU-A-2021200392  
**(21)** 2021200392 **(22)** 21.01.2021  
**(54)** Systemic delivery of myostatin short interfering nucleic acids (siNA) conjugated to a lipophilic moiety  
**(51)** Int. Cl.  
**A61K 31/713** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(43)** 18.03.2021  
**(62)** 2014346457  
**(72)** SEPP-LORENZINO, Laura; JADHAV, Vasant; BROWN, Duncan; TADIN-STRAPPS, Marija; KHAN, Tayeba; STRAPPS, Walter Richard  
**(74)** Griffith Hack

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**(71)** SITA Information Networking Computing UK Limited  
**(11)** AU-A-2021200191  
**(21)** 2021200191 **(22)** 13.01.2021  
**(54)** Method and system for monitoring aircraft status  
**(51)** Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2015397225  
**(72)** LACROIX, Yanik; GIBSON, Paul  
**(74)** Griffith Hack

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**(71)** Smith & Nephew Inc.; University of Massachusetts  
**(11)** AU-A-2021200111  
**(21)** 2021200111 **(22)** 08.01.2021  
**(54)** NEGATIVE PRESSURE WOUND CLOSURE DEVICE  
**(51)** Int. Cl.  
**A61F 13/00** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2016254119  
**(72)** Dunn, Raymond M.; Hammond, Victoria Jody; Hartwell, Edward Yerbury; Phillips, Marcus Damian; Richardson, Mark; Saxby, Carl; Sugrue, Michael  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2020210252  
**(21)** 2020210252 **(22)** 30.07.2020  
**(54)** Oil filter canister drain tool  
**(51)** Int. Cl.  
**F01M 11/04** ( 2006.01 )  
**B01D 35/02** ( 2006.01 )  
**(31)** 16/557,098 **(32)** 30.08.19 **(33)** US  
**(43)** 18.03.2021  
**(72)** GAINES, Preston T.  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-A-2020210257  
**(21)** 2020210257 **(22)** 30.07.2020  
**(54)** Pneumatic tool exhaust muffler  
**(51)** Int. Cl.  
**B25F 5/00** ( 2006.01 )  
**B23B 47/00** ( 2006.01 )  
**B25D 17/12** ( 2006.01 )  
**(31)** 16/864,968 **(32)** 01.05.20 **(33)** US  
 62/892,598 28.08.19 US  
**(43)** 18.03.2021  
**(72)** KUTER-ARNEBECK, Ottoleone  
**(74)** Griffith Hack

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2020213384  
**(21)** 2020213384 **(22)** 07.08.2020  
**(54)** Flex joint lock button  
**(51)** Int. Cl.  
**B25B 13/04** ( 2006.01 )  
**B25B 13/48** ( 2006.01 )  
**B25G 1/06** ( 2006.01 )  
**(31)** 16/554,718 **(32)** 29.08.19 **(33)** US  
**(43)** 18.03.2021  
**(72)** THOMPSON, Christopher D.; ROSS, David T.  
**(74)** Griffith Hack

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2020217363  
**(21)** 2020217363 **(22)** 11.08.2020  
**(54)** Adjustable pliers  
**(51)** Int. Cl.  
**B25B 7/10** ( 2006.01 )  
**(31)** 16/558,476 **(32)** 03.09.19 **(33)** US  
**(43)** 18.03.2021  
**(72)** GUPTTE, Anup A.  
**(74)** Griffith Hack

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**(71)** Snap-on Incorporated  
**(11)** AU-A-2021201297  
**(21)** 2021201297 **(22)** 26.02.2021  
**(54)** Adjustable pliers  
**(51)** Int. Cl.  
**B25B 7/10** ( 2006.01 )  
**B25B 7/12** ( 2006.01 )  
**B25B 13/22** ( 2006.01 )  
**(43)** 18.03.2021  
**(62)** 2019201402  
**(72)** DOYLE, David T.; FREY, Jason A.; GUPTTE, Anup A.  
**(74)** Griffith Hack

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**(71)** SOCIEDAD COMERCIAL HARUT SPA  
**(11)** AU-A-2021201344  
**(21)** 2021201344 **(22)** 02.03.2021  
**(54)** Method for recycling high-density polyethylene (HDPE) material by thermofusion and recycled HDPE products  
**(51)** Int. Cl.  
**B29B 17/00** ( 2006.01 )  
**B29B 17/04** ( 2006.01 )  
**B29C 70/58** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 18.03.2021  
 (62) 2017341750  
 (72) BARAHONA OSORIO, Gabriel Ignacio;  
 BRUNA PAEZ, Silvia Montserrat  
 (74) Griffith Hack

(71) Solarvest Bioenergy Inc.  
 (11) AU-A-2021200394  
 (21) 2021200394 (22) 21.01.2021  
 (54) Methods of producing algal cell cultures and biomass, lipid compounds and compositions, and related products  
 (51) Int. Cl.  
*C12N 1/12* ( 2006.01 )  
*A23L 5/00* ( 2016.01 )  
*A61K 8/97* ( 2017.01 )  
*A61K 31/202* ( 2006.01 )  
*A61K 36/02* ( 2006.01 )  
*C12P 1/00* ( 2006.01 )  
*C12P 7/64* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2014279815  
 (72) RIVEROLL, Angela Lynne; SURZYCKI, Raymond; MCDUGALL, Michael Daniel; MARTIN, Nancy Mary; MUIO, Kylie; MCKENNA, Hayley Michelle  
 (74) Spruson & Ferguson

(71) Sorrento Therapeutics, Inc.  
 (11) AU-A-2021200146  
 (21) 2021200146 (22) 12.01.2021  
 (54) Methods for better delivery of active agents to tumors  
 (51) Int. Cl.  
*A61M 37/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016297823  
 (72) ROSS, Russell Frederick  
 (74) Spruson & Ferguson

(71) Southern University of Science and Technology  
 (11) AU-A-2019226235  
 (21) 2019226235 (22) 06.09.2019  
 (54) METHOD FOR PREVENTING TRIPLE NEGATIVE BREAST CANCER IN PRE-DISPOSED SUBJECTS  
 (51) Int. Cl.  
*A61K 31/4709* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (31) 16/560,811 (32) 04.09.19 (33) US  
 (43) 18.03.2021  
 (72) Tian, Ruijun; Sun, Yin; Li, Pengfei; Chu, Bizhu  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Spektacom Technologies Private Limited  
 (11) AU-A-2021200238  
 (21) 2021200238 (22) 15.01.2021  
 (54) A system and method for interactive content viewing  
 (51) Int. Cl.  
*H04N 21/00* ( 2011.01 )

(43) 18.03.2021  
 (62) 2019203202  
 (72) Anil, KUMBLE; Harsha, CHATURVEDI  
 (74) Griffith Hack

(71) SPEX Corporate Holdings Limited  
 (11) AU-A-2021200251  
 (21) 2021200251 (22) 15.01.2021  
 (54) Downhole tool with a propellant charge  
 (51) Int. Cl.  
*E21B 29/02* ( 2006.01 )  
*B23K 7/00* ( 2006.01 )  
*E21B 33/12* ( 2006.01 )  
*E21B 33/134* ( 2006.01 )  
*E21B 43/116* ( 2006.01 )  
*F41A 21/26* ( 2006.01 )  
*F42B 8/04* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015348102  
 (72) OAG, Jamie; YOUNGER, Rae; JOHNSTON, Sidney Dantuma  
 (74) FPA Patent Attorneys Pty Ltd

(71) Spirox, Inc.  
 (11) AU-A-2021200068  
 (21) 2021200068 (22) 07.01.2021  
 (54) Nasal delivery tools, systems, and methods of use  
 (51) Int. Cl.  
*A61B 17/24* ( 2006.01 )  
*A61F 2/18* ( 2006.01 )  
*A61F 5/08* ( 2006.01 )  
*A61M 25/04* ( 2006.01 )  
*A61M 37/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018243959  
 (72) Rosenthal, Michael H.; Baron, Scott J.; Domecus, Brian J.; Mirizzi, Michael S.; Salinas, Sergio  
 (74) Davies Collison Cave Pty Ltd

(71) Splunk Inc.  
 (11) AU-A-2021201308  
 (21) 2021201308 (22) 01.03.2021  
 (54) REAL-TIME REPORTING BASED ON INSTRUMENTATION OF SOFTWARE  
 (51) Int. Cl.  
*G06F 9/44* ( 2018.01 )  
 (43) 18.03.2021  
 (62) 2015328574  
 (72) Mukherji, Arijit; Liu, Phillip; Raman, Rajesh; Grandy, Kris; Lindamood, Jack  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Square, Inc.  
 (11) AU-A-2021200169  
 (21) 2021200169 (22) 13.01.2021  
 (54) Logical validation of devices against fraud and tampering  
 (51) Int. Cl.  
*G06Q 20/04* ( 2012.01 )  
*G06Q 20/20* ( 2012.01 )  
*G06Q 20/40* ( 2012.01 )  
*H04W 12/12* ( 2021.01 )

(43) 18.03.2021  
 (62) 2017290878  
 (72) ZOVI, Dino Dai; KLAWE, Janek  
 (74) FB Rice Pty Ltd

(71) Square, Inc.  
 (11) AU-A-2021201280  
 (21) 2021201280 (22) 26.02.2021  
 (54) Appointment and payment handling  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
*G06Q 10/10* ( 2012.01 )  
*G06Q 20/32* ( 2012.01 )  
*G06Q 20/38* ( 2012.01 )  
 (43) 18.03.2021  
 (62) 2018260870  
 (72) Myrick, Lauren; Ginsburg, Evan; Ave, Willem  
 (74) FB Rice Pty Ltd

(71) Stryker Corporation  
 (11) AU-A-2021201269  
 (21) 2021201269 (22) 26.02.2021  
 (54) Assembly for positioning a sterile surgical drape relative to optical position sensors  
 (51) Int. Cl.  
*A61B 46/00* ( 2016.01 )  
*A61B 46/10* ( 2016.01 )  
 (43) 18.03.2021  
 (62) 2019202526  
 (72) Malackowski, Donald W.; Moctezuma de la Barrera, Jose Luis; Rohs, Helmut; Riedlinger, Norbert  
 (74) Davies Collison Cave Pty Ltd

(71) STUT NO.1 PTY LTD  
 (11) AU-A-2020227087  
 (21) 2020227087 (22) 03.09.2020  
 (54) BACKLIT IDENTIFICATION ASSEMBLY  
 (51) Int. Cl.  
*B60R 13/10* ( 2006.01 )  
*G09F 9/30* ( 2006.01 )  
 (31) 2019903240 (32) 03.09.19 (33) AU  
 2019904245 11.11.19 AU  
 (43) 18.03.2021  
 (72) Oates, Greg  
 (74) Michael Buck IP

(71) Sumitomo Dainippon Pharma Oncology, Inc.  
 (11) AU-A-2021200343  
 (21) 2021200343 (22) 20.01.2021  
 (54) Alvocidib prodrugs having increased bioavailability  
 (51) Int. Cl.  
*C07F 9/12* ( 2006.01 )  
*A61K 31/661* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016264212  
 (72) Siddiqui-Jain, Adam; Bearss, David J.  
 (74) Davies Collison Cave Pty Ltd

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(71) Sunovion Pharmaceuticals Inc.  
 (11) AU-A-2021201259  
 (21) 2021201259 (22) 26.02.2021  
 (54) SUBLINGUAL APOMORPHINE  
 (51) Int. Cl.  
**A01N 43/42** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )

(43) 18.03.2021  
 (62) 2019200308  
 (72) Giovinazzo, Anthony John; Hedden, David Bruce; De Somer, Marc L.; Bryson, Nathan John  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) SurflineWavetrak, Inc.  
 (11) AU-A-2021200207  
 (21) 2021200207 (22) 14.01.2021  
 (54) Automated detection of features and/or parameters within an ocean environment using image data  
 (51) Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**G06T 7/246** ( 2017.01 )  
**G06T 7/70** ( 2017.01 )  
 (43) 18.03.2021  
 (62) 2019257323  
 (72) FREESTON, Benjamin  
 (74) FB Rice Pty Ltd

(71) Swirls, Inc.  
 (11) AU-A-2021200222  
 (21) 2021200222 (22) 14.01.2021  
 (54) METHODS AND APPARATUS FOR A DISTRIBUTED DATABASE INCLUDING ANONYMOUS ENTRIES  
 (51) Int. Cl.  
**G06F 16/00** ( 2019.01 )  
 (43) 18.03.2021  
 (62) 2017357770  
 (72) Baird III, Leemon C.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Synexis LLC  
 (11) AU-A-2021201333  
 (21) 2021201333 (22) 02.03.2021  
 (54) APPLICATION OF DRY HYDROGEN PEROXIDE (DHP) GAS TO METHODS OF POULTRY PRODUCTION  
 (51) Int. Cl.  
**A01K 1/00** ( 2006.01 )  
**A01K 31/18** ( 2006.01 )  
**A01K 45/00** ( 2006.01 )  
**A61L 2/20** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018205385  
 (72) LEE, James D.; STEPHENS, James Russell  
 (74) Houlihan<sup>2</sup> Pty Ltd

(71) Tableau Software, LLC  
 (11) AU-A-2021200402  
 (21) 2021200402 (22) 21.01.2021  
 (54) Systems and methods for ranking data visualizations  
 (51) Int. Cl.

**G06F 16/00** ( 2019.01 )  
 (43) 18.03.2021  
 (62) 2020204576  
 (72) ANAND, Anushka; MACKINLAY, Jock Douglas; WONGSUPHASAWAT, Kanit  
 (74) FPA Patent Attorneys Pty Ltd

(71) TAIYUAN UNIVERSITY OF TECHNOLOGY; GUIYANG PLATEAU MINING MACHINERY COMPANY LIMITED  
 (11) AU-A-2020202237  
 (21) 2020202237 (22) 30.03.2020  
 (54) MULTI-CHANNEL IMPACT-RESISTANT INTELLIGENT-CONSTANT-DECELERATION HYDRAULIC BRAKING SYSTEM  
 (51) Int. Cl.  
**B66B 5/00** ( 2006.01 )  
**B60T 10/00** ( 2006.01 )  
**B66B 1/32** ( 2006.01 )  
**B66D 5/28** ( 2006.01 )  
 (31) 2019108161146 (32) 30.08.19 (33) CN  
 (43) 18.03.2021  
 (72) KOU, Ziming; WANG, Zhensheng; WU, Juan; XIE, Deling; WANG, Yandong; ZHANG, Waiwen; ZHANG, Linan  
 (74) Lord & Company

(71) Telefonaktiebolaget LM Ericsson (PUBL)  
 (11) AU-A-2021200397  
 (21) 2021200397 (22) 21.01.2021  
 (54) Resource segmentation to improve delivery performance  
 (51) Int. Cl.  
**H04L 29/06** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017358996  
 (72) Westerlund, Magnus; Grafulla-González, Beatriz; Eriksson, Göran  
 (74) AJ PARK

THANDRA, V. see SHAABAN, A.F.  
 (21) 2021201312

THANDRA, V. see SHAABAN, A.F.  
 (21) 2021201324

(71) The Children's Hospital of Philadelphia  
 (11) AU-A-2021200310  
 (21) 2021200310 (22) 19.01.2021  
 (54) VARIANT AAV AND COMPOSITIONS, METHODS AND USES FOR GENE TRANSFER TO CELLS, ORGANS AND TISSUES  
 (51) Int. Cl.  
**C07K 14/015** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )

(43) 18.03.2021  
 (62) 2019201182  
 (72) High, Katherine A.; Yazicioglu, Mustafa; Anguela, Xavier  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

The Children's Medical Center Corporation see President and Fellows of Harvard College  
 (21) 2021201328

(71) The Coca-Cola Company  
 (11) AU-A-2021200103  
 (21) 2021200103 (22) 08.01.2021  
 (54) Device and method for operating an interactive dispenser  
 (51) Int. Cl.  
**G07F 9/02** ( 2006.01 )  
**B67D 1/00** ( 2006.01 )  
**B67D 1/08** ( 2006.01 )  
**B67D 99/00** ( 2010.01 )  
 (43) 18.03.2021  
 (62) 2019200307  
 (72) PETERS, Dan; TRAN, Son V.; NEWMAN, David R.; ANTAO, Leonard F.; SLAGLEY, David O.; KOLLS, H. Brock  
 (74) FB Rice Pty Ltd

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

(71) The Goodyear Tire & Rubber Company  
 (11) AU-A-2020220054  
 (21) 2020220054 (22) 17.08.2020  
 (54) Tire wear state estimation system and method employing footprint length  
 (51) Int. Cl.  
**B60C 11/24** ( 2006.01 )  
**B60C 23/04** ( 2006.01 )  
**B60C 23/06** ( 2006.01 )  
 (31) 62/893,852 (32) 30.08.19 (33) US  
 (43) 18.03.2021  
 (72) SINGH, Kanwar Bharat; ARAT, Mustafa Ali  
 (74) Spruson & Ferguson

(71) The Goodyear Tire & Rubber Company  
 (11) AU-A-2020220060  
 (21) 2020220060 (22) 17.08.2020  
 (54) Method for extracting changes in tyre characteristics  
 (51) Int. Cl.  
**B60C 23/04** ( 2006.01 )  
**B60C 23/06** ( 2006.01 )  
**G01L 17/00** ( 2006.01 )  
 (31) 62/893,862 (32) 30.08.19 (33) US  
 (43) 18.03.2021  
 (72) Singh, Kanwar Bharat; Arat, Mustafa Ali  
 (74) Spruson & Ferguson

(71) The Johns Hopkins University  
 (11) AU-A-2021200325  
 (21) 2021200325 (22) 19.01.2021

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(54) Methods and compositions for improving cognitive function  
 (51) Int. Cl.  
**A61P 25/28** ( 2006.01 )  
**A01N 43/36** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019268069  
 (72) HABERMAN, Rebecca; KOH, Ming Teng; GALLAGHER, Michela  
 (74) Spruson & Ferguson

(71) The Nielsen Company (US), LLC  
 (11) AU-A-2021200245  
 (21) 2021200245 (22) 15.01.2021  
 (54) Methods and apparatus to collect distributed user information for media impressions  
 (51) Int. Cl.  
**H04W 12/04** ( 2021.01 )  
**H04H 60/29** ( 2008.01 )  
 (43) 18.03.2021  
 (62) 2018253561  
 (72) BURBANK, John R.; ALLA, Madhusudhan Reddy  
 (74) Spruson & Ferguson

(71) The Raymond Corporation  
 (11) AU-A-2020223732  
 (21) 2020223732 (22) 27.08.2020  
 (54) VARIABLE HYDRAULIC PRESSURE RELIEF SYSTEMS AND METHODS FOR A MATERIAL HANDLING DEVICE  
 (51) Int. Cl.  
**B66F 9/22** ( 2006.01 )  
**F15B 21/02** ( 2006.01 )  
 (31) 62/893,658 (32) 29.08.19 (33) US  
 (43) 18.03.2021  
 (72) Weiss, Thomas R.; Smith, Eric A.  
 (74) RnB IP Pty Ltd

(71) The Regents of the University of California  
 (11) AU-A-2021200108  
 (21) 2021200108 (22) 08.01.2021  
 (54) Cellular libraries of peptide sequences (CLiPS) and methods of using the same  
 (51) Int. Cl.  
**G01N 33/53** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**C07H 21/02** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018208645  
 (72) Daugherty, Patrick Sean; Boulware, Kevin Todd  
 (74) FB Rice Pty Ltd

(71) The Regents of the University of California  
 (11) AU-A-2021200255  
 (21) 2021200255 (22) 15.01.2021  
 (54) Use of CDK9 and BRD4 inhibitors to inhibit inflammation  
 (51) Int. Cl.  
**A61P 19/00** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )

**A61P 19/02** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015333689  
 (72) Haudenschild, Dominik; Yik, Jasper  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

The Trustees of Princeton University see Memorial Sloan Kettering Cancer Center  
 (21) 2021200360

(71) The University of Massachusetts  
 (11) AU-A-2021200148  
 (21) 2021200148 (22) 12.01.2021  
 (54) INSTRUMENTS AND METHODS FOR IMAGING COLLAGEN STRUCTURE IN VIVO  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**G01N 21/21** ( 2006.01 )  
**G01N 33/483** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018243681  
 (72) Yaroslavsky, Anna N.; Neel, Victor  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) The Water & Carbon Group  
 (11) AU-A-2020289754  
 (21) 2020289754 (22) 05.09.2020  
 (54) Low-energy water treatment  
 (51) Int. Cl.  
**C02F 1/24** ( 2006.01 )  
**B03D 1/02** ( 2006.01 )  
**B03D 1/08** ( 2006.01 )  
**C02F 9/00** ( 2006.01 )  
 (31) 2019903302 (32) 06.09.19 (33) AU  
 (43) 18.03.2021  
 (72) DUCKWORTH, Cliff Alexander; HUNTER, James Patrick  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) Thirona B.V.  
 (11) AU-A-2020223720  
 (21) 2020223720 (22) 27.08.2020  
 (54) COMPUTER IMPLEMENTED METHOD FOR ESTIMATING LUNG PERFUSION FROM THORACIC COMPUTED TOMOGRAPHY IMAGES  
 (51) Int. Cl.  
**A61B 6/03** ( 2006.01 )  
**G06N 3/00** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G16H 30/40** ( 2018.01 )  
 (31) 2023710 (32) 27.08.19 (33) NL  
 (43) 18.03.2021  
 (72) VAN RIKXOORT, Eva Marjolein; CHARBONNIER, Jean-Paul  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Thomson Reuters Global Resources Unlimited Company  
 (11) AU-A-2021200244  
 (21) 2021200244 (22) 15.01.2021

(54) METHOD AND SYSTEM FOR INTEGRATED PROFESSIONAL CONTINUING EDUCATION RELATED SERVICES  
 (51) Int. Cl.  
**G06Q 50/00** ( 2012.01 )  
**G06F 3/048** ( 2013.01 )  
**G06F 15/16** ( 2006.01 )  
**G06Q 20/00** ( 2012.01 )  
**G06Q 30/00** ( 2012.01 )  
 (43) 18.03.2021  
 (62) 2018229454  
 (72) KOSKAY, Kenneth; PERREAULT, Stephen; POIRIER, Greg; DENLINGER, Todd; BLACK, Stephanie  
 (74) AJ PARK

(71) TMA Capital Australia Pty Ltd  
 (11) AU-A-2021200084  
 (21) 2021200084 (22) 07.01.2021  
 (54) System, method and computer program for an access control system  
 (51) Int. Cl.  
**G07C 9/00** ( 2020.01 )  
**G07B 15/04** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019213335  
 (72) KARAM, Anthony; LALETIN, Gregory Alexandravich; WALSH, Kevin John  
 (74) Spruson & Ferguson

(71) Translate Bio, Inc.  
 (11) AU-A-2021201357  
 (21) 2021201357 (22) 02.03.2021  
 (54) STEREOCHEMICALLY ENRICHED COMPOSITIONS FOR DELIVERY OF NUCLEIC ACIDS  
 (51) Int. Cl.  
**C07D 413/06** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2020200489  
 (72) DeRosa, Frank; Heartlein, Michael; Karve, Shrirang  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Transocean Innovation Labs, Ltd  
 (11) AU-A-2021200401  
 (21) 2021200401 (22) 21.01.2021  
 (54) Manifolds for providing hydraulic fluid to a subsea blowout preventer and related methods  
 (51) Int. Cl.  
**E21B 34/04** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019200190  
 (72) Babbitt, Guy Robert; Kersey, James Edward; Echter, Nicholas Paul; Weyer-Geigel, Kristina  
 (74) Griffith Hack

Tseng, Y.J. see National Taiwan University  
 (21) 2021200290

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- (71) TWi Biotechnology, Inc.  
 (11) AU-A-2021200117  
 (21) 2021200117 (22) 11.01.2021  
 (54) Diacerein or its analogs for inhibiting expression of ASC, NLRP3, and/or formation of NLRP3 inflammasome complex  
 (51) Int. Cl.  
**A61K 31/122** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
**A61K 31/222** ( 2006.01 )  
**C07C 65/34** ( 2006.01 )  
**C07C 66/02** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2016308121  
 (72) Brown III, Carl Oscar; Chen, Chih-Kuang; Lee, Jing-Yi; Lu, Wei-Shu  
 (74) Davies Collison Cave Pty Ltd

- (71) Ulab Systems, Inc.  
 (11) AU-A-2021201260  
 (21) 2021201260 (22) 26.02.2021  
 (54) Combined orthodontic movement of teeth with airway development therapy  
 (51) Int. Cl.  
**A61C 7/08** ( 2006.01 )  
**A61C 19/06** ( 2006.01 )  
**A61F 5/00** ( 2006.01 )  
**A61F 5/56** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2017332257  
 (72) Falkel, Michael I.  
 (74) Griffith Hack

- (71) United States of America, as represented by the Secretary, Department of Health and Human Services, C/O National Institute of Health, Office of Technology Transfer  
 (11) AU-A-2021200388  
 (21) 2021200388 (22) 21.01.2021  
 (54) Methods of isolating T cell receptors having antigenic specificity for a cancer specific mutation  
 (51) Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2014407539  
 (72) Tran, Eric; Lu, Yong-Chen; Robbins, Paul E.; Rosenberg, Steven A.  
 (74) Spruson & Ferguson

University of Massachusetts see Smith & Nephew Inc.

- (71) University of Pittsburgh - of the Commonwealth System of Higher Education  
 (11) AU-A-2021200137  
 (21) 2021200137 (22) 11.01.2021  
 (54) NON-TOXIC HSV VECTORS FOR EFFICIENT GENE DELIVERY APPLICATIONS AND COMPLEMENTING CELLS FOR THEIR PRODUCTION

- (51) Int. Cl.  
**C12N 15/869** ( 2006.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 39/245** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/64** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2014290568  
 (72) Wolfe, Darren; Krisky, David; Gloriosio III, Joseph C.; Cohen, Justus; Miyagawa, Yoshitaka; Wechuck, James  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

- (71) University of Pittsburgh - Of The Commonwealth System of Higher Education; Carnegie Mellon University  
 (11) AU-A-2021201365  
 (21) 2021201365 (22) 02.03.2021  
 (54) TIP-LOADED MICRONEEDLE ARRAYS FOR TRANSDERMAL INSERTION  
 (51) Int. Cl.  
**A61M 37/00** ( 2006.01 )  
**A61M 5/158** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019226165  
 (72) Faló Jr., Louis D.; Erdos, Geza; Ozdoganlar, O. Burak  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

- (71) University of Rhode Island Board of Trustees; Yale University  
 (11) AU-A-2021200135  
 (21) 2021200135 (22) 11.01.2021  
 (54) Liposome compositions and methods of use thereof  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2019203581  
 (72) Reshetnyak, Yana K.; Andreev, Oleg A.; Engelman, Donald M.  
 (74) FPA Patent Attorneys Pty Ltd

- (71) University of Southern California  
 (11) AU-A-2021200069  
 (21) 2021200069 (22) 07.01.2021  
 (54) Fasting mimicking and enhancing diet for treating hypertension and lipid disorders  
 (51) Int. Cl.  
**A23L 33/20** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 20/147** ( 2016.01 )  
**A23L 33/00** ( 2016.01 )  
**A23L 33/185** ( 2016.01 )  
 (43) 18.03.2021  
 (62) 2016258093  
 (72) Longo, Valter D.; Brandhorst, Sebastian; Wei, Min  
 (74) Shelston IP Pty Ltd.

University of Utah see Fabric Genomics, Inc.

- (21) 2021200411

- (71) University of Virginia Patent Foundation  
 (11) AU-A-2021200374  
 (21) 2021200374 (22) 20.01.2021  
 (54) Improved accuracy continuous glucose monitoring method, system, and device  
 (51) Int. Cl.  
**A61B 5/145** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018236794  
 (72) Facchinetti, Andrea; Sparacino, Giovanni; Cobelli, Claudio; Kovatchev, Boris P.  
 (74) Griffith Hack

- (71) Upton, A.  
 (11) AU-A-2021200059  
 (21) 2021200059 (22) 06.01.2021  
 (54) Barbecue plate  
 (51) Int. Cl.  
**A47J 37/07** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015201661  
 (72) Upton, Anthony Robert  
 (74) Acumen Intellectual Property

- (71) VALO EARLY DISCOVERY, INC.  
 (11) AU-A-2021200346  
 (21) 2021200346 (22) 20.01.2021  
 (54) Pyrrolo and pyrazolopyrimidines as ubiquitin-specific protease 7 inhibitors  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2015374170  
 (72) Ioannidis, Stephanos; Talbot, Adam Charles; Follows, Bruce; Buckmelter, Alexandre Joseph; Wang, Minghua; Campbell, Ann-Marie; Schmidt, Darby Rye; Guerin, David Joseph; Caravella, Justin A.; Diebold, R. Bruce; Ericsson, Anna; Lancia, Jr., David R.  
 (74) Davies Collison Cave Pty Ltd

- (71) Vegh, D.  
 (11) AU-A-2020227031  
 (21) 2020227031 (22) 02.09.2020  
 (54) Safety flag deployment apparatus for a vehicle  
 (51) Int. Cl.  
**G09F 17/00** ( 2006.01 )  
**E01F 9/646** ( 2016.01 )  
**E01F 9/662** ( 2016.01 )  
 (31) 2019903210 (32) 02.09.19 (33) AU  
 (43) 18.03.2021  
 (72) Vegh, Darren  
 (74) Patentec Patent Attorneys

- (71) Vehicle Monitoring Systems Pty Ltd  
 (11) AU-A-2021200165



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(21) 2021200165 (22) 13.01.2021  
 (54) Method, apparatus and system for parking overstay detection  
 (51) Int. Cl.  
*G08G 1/14* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018282421  
 (72) Welch, Fraser John  
 (74) Spruson & Ferguson

(71) Verinata Health, Inc.  
 (11) AU-A-2021200209  
 (21) 2021200209 (22) 14.01.2021  
 (54) Sequencing methods and compositions for prenatal diagnoses  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
*C12P 19/34* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018201992  
 (72) RAVA, Richard P.; CHINNAPPA, Manjula; COMSTOCK, David A.; HEILEK, Gabrielle; RHEES, Brian Kent  
 (74) Spruson & Ferguson

(71) VHS IP Pty Ltd  
 (11) AU-A-2021201302  
 (21) 2021201302 (22) 28.02.2021  
 (54) Process for exposing underground utilities  
 (51) Int. Cl.  
*E02F 5/02* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2014262181  
 (72) COSTELLO, Neil; BEACH, Jack  
 (74) Spruson & Ferguson

(71) View, Inc.  
 (11) AU-A-2021200070  
 (21) 2021200070 (22) 07.01.2021  
 (54) Control method for tintable windows  
 (51) Int. Cl.  
*G02F 1/15* ( 2019.01 )  
 (43) 18.03.2021  
 (62) 2015255913  
 (72) Brown, Stephen C.  
 (74) Spruson & Ferguson

(71) W. L. Gore & Associates, Inc.  
 (11) AU-A-2021200179  
 (21) 2021200179 (22) 13.01.2021  
 (54) Delivery aids for glaucoma shunts  
 (51) Int. Cl.  
*A61F 9/007* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2018236441  
 (72) ROEBER, Peter J.; TOWLER, Jeffrey C.  
 (74) Griffith Hack

(71) W. L. Gore & Associates, Inc.; W. L. Gore & Associates GmbH  
 (11) AU-A-2021200410  
 (21) 2021200410 (22) 21.01.2021  
 (54) Cell encapsulation devices containing structural spacers

(51) Int. Cl.  
*A61L 27/16* ( 2006.01 )  
*A61F 2/02* ( 2006.01 )  
*A61L 27/36* ( 2006.01 )  
*A61M 5/00* ( 2006.01 )  
*A61M 31/00* ( 2006.01 )  
*A61M 37/00* ( 2006.01 )  
*C12N 5/00* ( 2006.01 )  
 (43) 18.03.2021  
 (62) 2020202578  
 (72) CULLY, Edward H.; ZAMBOTTI, Lauren; PARSONS, Bernadette; DRUMHELLER, Paul D.  
 (74) Griffith Hack

W. L. Gore & Associates GmbH see W. L. Gore & Associates, Inc.  
 (21) 2021200410

(71) W.S.C. Sports Technologies Ltd.  
 (11) AU-A-2021200219  
 (21) 2021200219 (22) 14.01.2021  
 (54) System and method for creating and distributing multimedia content  
 (51) Int. Cl.  
*H04N 21/234* ( 2011.01 )  
*H04N 21/235* ( 2011.01 )  
 (43) 18.03.2021  
 (62) 2016249106  
 (72) Shichman, Daniel; Yoffe, Shmulik; Gal, Haim; Arnon, Aviv  
 (74) Griffith Hack

(71) WAINFIELD PTY. LTD.  
 (11) AU-A-2020223674  
 (21) 2020223674 (22) 26.08.2020  
 (54) A PROCESS AND APPARATUS  
 (51) Int. Cl.  
*E02D 35/00* ( 2006.01 )  
*E02D 37/00* ( 2006.01 )  
 (31) 2019903106 (32) 26.08.19 (33) AU  
 (43) 18.03.2021  
 (72) Flammea, Matthew  
 (74) BOSH IP Pty Ltd

(71) Waymo LLC  
 (11) AU-A-2021200078  
 (21) 2021200078 (22) 07.01.2021  
 (54) VARIABLE BEAM SPACING, TIMING, AND POWER FOR VEHICLE SENSORS  
 (51) Int. Cl.  
*G01S 17/89* ( 2020.01 )  
*G01S 7/481* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
 (43) 18.03.2021  
 (62) 2018234848  
 (72) Ingram, Benjamin; Droz, Pierre-Yves; Wachter, Luke; McCloskey, Scott; Gassend, Blaise; Pennecot, Gaetan  
 (74) RnB IP Pty Ltd

(71) Waymo LLC  
 (11) AU-A-2021200258  
 (21) 2021200258 (22) 16.01.2021

(54) MULTIPLE OPERATING MODES TO EXPAND DYNAMIC RANGE  
 (51) Int. Cl.  
*H04N 5/355* ( 2011.01 )  
*H04N 5/369* ( 2011.01 )  
 (43) 18.03.2021  
 (62) 2018397461  
 (72) WENDEL, Andreas; DITTMER, Jeremy; HERMALYN, Brendan; INGRAM, Benjamin  
 (74) RnB IP Pty Ltd

(71) Waymo LLC  
 (11) AU-A-2021200407  
 (21) 2021200407 (22) 21.01.2021  
 (54) VEHICLE WITH MULTIPLE LIGHT DETECTION AND RANGING DEVICES (LIDARS)  
 (51) Int. Cl.  
*G01S 17/93* ( 2020.01 )  
*G01S 7/48* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
 (43) 18.03.2021  
 (62) 2019204204  
 (72) GRUVER, Daniel; DROZ, Pierre-Yves; PENNECOT, Gaetan; LEVANDOWSKI, Anthony; ULRICH, Drew Eugene; MORRISS, Zachary; WACHTER, Luke; IORDACHE, Dorel Ionut; PARDHAN, Rahim; McCANN, William; FIDRIC, Bernard; LENIUS, Samuel William  
 (74) RnB IP Pty Ltd

(71) WAYWILLING LIMITED  
 (11) AU-A-2020203582  
 (21) 2020203582 (22) 31.05.2020  
 (54) A transporting apparatus  
 (51) Int. Cl.  
*B62B 5/00* ( 2006.01 )  
*B62D 5/04* ( 2006.01 )  
*B62K 11/00* ( 2013.01 )  
 (31) 756848 (32) 29.08.19 (33) NZ  
 (43) 18.03.2021  
 (72) Rowland, William  
 (74) Remarkable IP

(71) WDU Enterprises Pty Ltd  
 (11) AU-A-2020223679  
 (21) 2020223679 (22) 26.08.2020  
 (54) Vermicomposting Apparatus  
 (51) Int. Cl.  
*C05F 17/05* ( 2020.01 )  
*A01K 67/033* ( 2006.01 )  
 (31) 2019903194 (32) 30.08.19 (33) AU  
 (43) 18.03.2021  
 (72) Symmons, Jennifer Anne  
 (74) Michael Buck IP

(71) Westinghouse Air Brake Technologies Corporation  
 (11) AU-A-2021200132  
 (21) 2021200132 (22) 11.01.2021  
 (54) SYSTEM, METHOD, AND APPARATUS FOR DETERMINING A COMMUNICATION STATUS OF LOCOMOTIVES IN A DISTRIBUTED POWER SYSTEM

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(51) Int. Cl.  
**H04L 1/18** ( 2006.01 )  
**B61L 15/00** ( 2006.01 )  
**H04B 7/06** ( 2006.01 )  
**H04B 7/08** ( 2006.01 )  
**H04W 84/00** ( 2009.01 )  
(43) 18.03.2021  
(62) 2018250112  
(72) Bender, Paul Gerard; Wolf, Charles L.; Klemanski, Richard S.  
(74) Phillips Ormonde Fitzpatrick

(71) Wm. Wrigley Jr. Company  
(11) AU-A-2021200204  
(21) 2021200204 (22) 14.01.2021  
(54) Shelf stable, high moisture fruit confections produced from secondary fruit products

(51) Int. Cl.  
**A23G 3/34** ( 2006.01 )  
**A23G 3/48** ( 2006.01 )  
**A23L 3/01** ( 2006.01 )  
**A23L 3/015** ( 2006.01 )  
**A23L 19/00** ( 2016.01 )  
**A23L 25/00** ( 2016.01 )  
**A23L 25/10** ( 2016.01 )  
**A23L 27/10** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**A23L 29/20** ( 2016.01 )  
**A23L 29/231** ( 2016.01 )  
**A23L 29/238** ( 2016.01 )  
**A23L 29/256** ( 2016.01 )

(43) 18.03.2021  
(62) 2016334040  
(72) Unlu, Emine; Willcocks, Neil; Gao, Yang  
(74) Spruson & Ferguson

(71) X-Body, Inc.  
(11) AU-A-2021200347  
(21) 2021200347 (22) 20.01.2021  
(54) Bi-specific antigen-binding polypeptides  
(51) Int. Cl.  
**C07K 16/46** ( 2006.01 )  
**A61K 35/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )

(43) 18.03.2021  
(62) 2015231155  
(72) CHEN, Yan; WAGNER, Richard W.; ZHANG, Keming; RICHALET, Pascale  
(74) FB Rice Pty Ltd

**Xencor, Inc. see Allergan, Inc.**  
(21) 2021200234

(71) Xero Limited  
(11) AU-A-2021200217  
(21) 2021200217 (22) 14.01.2021  
(54) Systems and methods of mobile banking reconciliation  
(51) Int. Cl.  
**G06Q 40/02** ( 2012.01 )

(43) 18.03.2021  
(62) 2018253551  
(72) ABERNETHY, Brock Stephen  
(74) FB Rice Pty Ltd

(71) Xero Limited  
(11) AU-A-2021200331  
(21) 2021200331 (22) 19.01.2021  
(54) Multiple server automation for secure cloud reconciliation  
(51) Int. Cl.  
**H04L 29/08** ( 2006.01 )  
(43) 18.03.2021  
(62) 2019204672  
(72) KATYAL, Dinesh; VICKERS, Matthew John  
(74) FB Rice Pty Ltd

(71) Xero Limited  
(11) AU-A-2021200332  
(21) 2021200332 (22) 19.01.2021  
(54) Multiple server automation for secure cloud reconciliation  
(51) Int. Cl.  
**H04L 29/08** ( 2006.01 )  
(43) 18.03.2021  
(62) 2019204672  
(72) KATYAL, Dinesh; VICKERS, Matthew John  
(74) FB Rice Pty Ltd

(71) XL IP B.V.  
(11) AU-A-2021200085  
(21) 2021200085 (22) 07.01.2021  
(54) Slide-out room and operating mechanism and components thereof  
(51) Int. Cl.  
**B60P 3/34** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016241088  
(72) RODABAUGH, Daniel K.  
(74) FB Rice Pty Ltd

(71) Xoc Pharmaceuticals, Inc.  
(11) AU-A-2021200381  
(21) 2021200381 (22) 21.01.2021  
(54) ERGOLINE COMPOUNDS AND USES THEREOF  
(51) Int. Cl.  
**C07D 457/12** ( 2006.01 )  
**A61K 31/48** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )

(43) 18.03.2021  
(62) 2016209492  
(72) Armer, Thomas; McKinley, Geoff; Borland, Scott; Guzman, Miguel; Szabolcs, Armin; Gerencser, Janos  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**Yale University see Arvinas Operations, Inc.**  
(21) 2021200099

**Yale University see University of Rhode Island Board of Trustees**  
(21) 2021200135

(71) Zambon S.p.A.  
(11) AU-A-2021200396  
(21) 2021200396 (22) 21.01.2021  
(54) Pharmaceutical composition containing budesonide and formoterol  
(51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
(43) 18.03.2021  
(62) 2015330012  
(72) Maggi, Loretta; Caponetti, Giovanni; Sardina, Marco; Castegini, Franco  
(74) FB Rice Pty Ltd

(71) Zhejiang University  
(11) AU-A-2020223649  
(21) 2020223649 (22) 25.08.2020  
(54) A degradable intestinal diversion device  
(51) Int. Cl.  
**A61F 2/82** ( 2013.01 )  
**A61B 17/00** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
(31) 201910794214.3 (32) 27.08.19 (33) CN  
(43) 18.03.2021  
(72) Cai, Xiujun; Wu, Zhongyu; Chen, Mingyu; Huang, Diyu; Wang, Yifan; Shi, Lei; Dai, Weijian; Ma, Yanli  
(74) Shelston IP Pty Ltd.

(71) Zogenix International Limited  
(11) AU-A-2021201339  
(21) 2021201339 (22) 02.03.2021  
(54) Fenfluramine compositions and methods of preparing the same  
(51) Int. Cl.  
**B01J 23/72** ( 2006.01 )  
**B01J 27/055** ( 2006.01 )  
**B01J 27/122** ( 2006.01 )  
**B01J 27/25** ( 2006.01 )  
**C07C 45/54** ( 2006.01 )  
**C07C 49/223** ( 2006.01 )  
(43) 18.03.2021  
(62) 2016379346  
(72) Londesbrough, Derek; Andersen, Marc W.  
(74) Davies Collison Cave Pty Ltd

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2019222879	Alpha Technologies Limited	2020223770	OLM, C.
2019226129	Express Beauty Pty Ltd	2020223774	Idemia Identity & Security France
2019226145	Cali, D.	2020223779	Haulotte Group
2019226235	Southern University of Science and Technology	2020223786	Aristocrat Technologies, Inc.
2019236633	Seowon University Institute of Industry - Academy Col- laboration	2020226998	Engineer and the Artist Pty Ltd
2019284136	Intex Holdings Pty Ltd	2020227004	MedTech S.A.
2020202125	Jungwoo Metal Ind. Co., Ltd.	2020227008	Project Engineering (WA) Pty Ltd
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2020202887	AstraZeneca AB	2020227018	James Hardie Technology Limited
2020203105	German Town Gas Limited	2020227031	Vegh, D.
2020203582	WAYWILLING LIMITED	2020227032	Progress Profiles SpA
2020203716	Niu, Q.	2020227041	ALSTOM Transport Technologies
2020204240	HA, C.	2020227078	LG Electronics Inc.
2020204388	Camm, A.	2020227080	LG Electronics Inc.
2020204509	Marchidan Enterprises Pty Ltd	2020227086	Aristocrat Technologies, Inc.
2020207839	Deere & Company	2020227087	STUT NO.1 PTY LTD
2020207866	Deere & Company	2020227099	Apollo Fire Detectors Limited
2020207870	Deere & Company	2020233701	Glidestore Freetrack Pty Ltd
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2020210252	Snap-on Incorporated	2020260475	Coupang Corp.
2020210257	Snap-on Incorporated	2020260480	Coupang Corp.
2020210260	Dart Industries Inc.	2020260490	Coupang Corp.
2020210261	Dart Industries Inc.	2020260502	Coupang Corp.
2020213324	CATERPILLAR INC.	2020260508	Coupang Corp.
2020213384	Snap-on Incorporated	2020260509	Coupang Corp.
2020217343	OK Biotech Co. Ltd.	2020260540	Coupang Corp.
2020217363	Snap-on Incorporated	2020260572	Omaji, T.
2020217411	Depuy Synthes Products, Inc.	2020264419	Coupang Corp.
2020217430	CATERPILLAR GLOBAL MINING LLC	2020286284	Elpiscience (Suzhou) Biopharma, Ltd.; Elpiscience Bio- pharma, Ltd.
2020220054	The Goodyear Tire & Rubber Company	2020289754	The Water & Carbon Group
2020220060	The Goodyear Tire & Rubber Company	2020294328	Bigfoot Biomedical, Inc.
2020220078	PACCAR Inc	2020294335	Asics Corporation
2020220093	GCP Applied Technologies Inc.	2020294342	Field Joint Coatings Pty Ltd
2020220123	Shopify Inc.	2020294361	Mayo Foundation for Medical Education and Research
2020220129	Motorola Solutions, Inc.	2020331565	Commonwealth Scientific and Industrial Research Or- ganisation
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2020223633	Infrabuild Wire Pty Limited	2021200038	MED-EL Elektromedizinische Geraete GmbH
2020223635	BEMO PTY LTD	2021200039	CDA Research Group, Inc.
2020223644	Covidien LP	2021200042	Innomed One, LLC
2020223645	Acer Incorporated	2021200044	Husqvarna AB
2020223649	Zhejiang University	2021200059	Upton, A.
2020223652	LG ELECTRONICS INC.	2021200060	Agios Pharmaceuticals, Inc.
2020223654	SAHARA CO., LTD.	2021200062	Mesinja Pty Ltd
2020223660	Lake Country Tool, LLC	2021200063	Mesinja Pty Ltd
2020223663	Johnston, R.; Johnston, K.	2021200066	Janssen Pharmaceutica NV; Pharmacyclics LLC
2020223664	MP Hydro Pty Limited	2021200067	Endocyte, Inc.; Purdue Research Foundation
2020223666	LG Electronics Inc.	2021200068	Spirox, Inc.
2020223670	Guinea, J.	2021200069	University of Southern California
2020223673	Coglitore, C.	2021200070	View, Inc.
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2020223697	CiiLOCK Engineering Pty Ltd	2021200077	Angel Playing Cards Co., Ltd.
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2020223729	LG Electronics Inc.	2021200083	Nicira, Inc.
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		2021200089	Ricoh Company, Limited

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2021200094	Gen-Probe Incorporated	2021200198	CSP Technologies, Inc.
2021200097	Nippon Telegraph and Telephone Corporation; Mitsubishi Heavy Industries, Ltd.	2021200199	Massachusetts Institute of Technology
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2021200110	Genentech, Inc.	2021200212	ElectroCore LLC
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2021200117	TWi Biotechnology, Inc.	2021200214	Rollins, P.; Prime Datum, Inc.
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2021200130	Advanced New Technologies Co., Ltd.	2021200220	B. Braun Medical Inc.
2021200131	Advanced New Technologies Co., Ltd.	2021200221	Niantic, Inc.
2021200132	Westinghouse Air Brake Technologies Corporation	2021200222	Swirls, Inc.
2021200135	University of Rhode Island Board of Trustees; Yale University	2021200223	Philip Morris Products S.A.
2021200137	University of Pittsburgh - of the Commonwealth System of Higher Education	2021200224	Lorain County Community College Innovation Foundation
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2021200150	Delta T, LLC	2021200241	Dolby International AB
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2021200153	Johnson & Johnson Consumer Inc.	2021200243	Forward Networks, Inc.
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2021200155	Caterpillar Inc.	2021200245	The Nielsen Company (US), LLC
2021200156	BLUESCOPE STEEL LIMITED	2021200247	LG Electronics Inc.
2021200157	Nicira, Inc.	2021200248	Apple Inc.
2021200158	Blue River Technology Inc.	2021200249	Fred Hutchinson Cancer Research Center; Seattle Children's Hospital d/b/a Seattle Children's Research Institute
2021200159	CFPH, LLC	2021200251	SPEX Corporate Holdings Limited
2021200160	CFPH, LLC	2021200252	Eli Lilly and Company
2021200161	Element Science Inc.	2021200253	Avalanche Australia Pty Ltd.
2021200164	AgeneBio, Inc.	2021200254	Huawei Technologies Co., Ltd.
2021200165	Vehicle Monitoring Systems Pty Ltd	2021200255	The Regents of the University of California
2021200166	Proslide Technology Inc.	2021200256	Glycoglix, LLC
2021200167	Apple Inc.	2021200258	Waymo LLC
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2021200174	Apple Inc.	2021200266	INCYTE HOLDINGS CORPORATION
2021200177	Magic Leap, Inc.	2021200268	Neurim Pharmaceuticals Ltd.
2021200178	Hapttech, Inc.	2021200269	Rosenshine, D.
2021200179	W. L. Gore & Associates, Inc.	2021200271	Monsanto Technology LLC
2021200182	Accenture Global Solutions Limited	2021200272	Fisher & Paykel Healthcare Limited
2021200183	Bruin Biometrics, LLC	2021200281	AGENUS INC.; LUDWIG INSTITUTE FOR CANCER RESEARCH LTD; MEMORIAL SLOAN KETTERING CANCER CENTER
2021200184	Accenture Global Solutions Limited	2021200282	Crystal Lagoons (Curacao) B.V.
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2021200187	Accenture Global Solutions Limited	2021200284	Blackline Safety Corp.
2021200188	Accenture Global Solutions Limited	2021200286	Pulse Biosciences, Inc.
2021200189	Massachusetts Eye & Ear Infirmary; Schepens Eye Research Institute	2021200287	Seres Therapeutics, Inc.
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2021200290	National Taiwan University; National Chiao Tung University; National Health Research Institutes; Tseng, Y.J.	2021200398	Neozyme International, Inc.
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2021200309	Dyax Corp.	2021200409	Oatly AB
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2021200334	CATS TONOMETER, LLC	2021201253	3D Glass Solutions, Inc.
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2021200344	Liporegena GmbH	2021201260	Ulab Systems, Inc.
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2021200346	VALO EARLY DISCOVERY, INC.	2021201262	Besim Pty Ltd
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2021200348	IGM BIOSCIENCES, INC.	2021201264	Medtronic PS Medical, Inc.
2021200349	Qualcomm Incorporated	2021201265	Dana-Farber Cancer Institute, Inc.
2021200350	Colgate-Palmolive Company	2021201266	Northrop Grumman Systems Corporation
2021200352	F. Hoffmann-La Roche AG	2021201267	Fisher & Paykel Healthcare Limited
2021200354	NewSouth Innovations Pty Limited	2021201268	Acres Technology
2021200355	NAN Global, LLC	2021201269	Stryker Corporation
2021200359	Fisher & Paykel Healthcare Limited	2021201270	Honeywell International Inc.
2021200360	Memorial Sloan Kettering Cancer Center; The Trustees of Princeton University	2021201276	Apple Inc.
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2021200362	LIAU, S.	2021201280	Square, Inc.
2021200363	Abiomed, Inc.	2021201282	Centinel Spine, LLC
2021200365	Impossible Foods Inc.	2021201283	Howmedica Osteonics Corp.,
2021200367	Heat Biologics, Inc.	2021201285	Ford Global Technologies, LLC
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2021200370	Millennium Pharmaceuticals, Inc.	2021201288	Auvenco Pty Ltd
2021200371	Komatsu Ltd.	2021201289	Merck Sharp & Dohme B.V.
2021200372	Neupharma, Inc.	2021201290	Hubbell Incorporated
2021200373	NeuSpera Medical Inc.	2021201291	GE Video Compression, LLC
2021200374	University of Virginia Patent Foundation	2021201293	Anglo American Services (UK) Ltd
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2021200381	Xoc Pharmaceuticals, Inc.	2021201300	Aristocrat Technologies Australia Pty Limited
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2021200387	Advanced New Technologies Co., Ltd.	2021201307	Baxalta Incorporated; Baxalta GmbH
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2021200389	Precision Planting LLC	2021201309	Dexcom, Inc.
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**2021201333** Synexis LLC  
**2021201334** Petroliam Nasional Berhad (Petronas)  
**2021201335** Monash University; Hudson Institute of Medical Research  
  
**2021201338** Pastoral Greenhouse Gas Research Limited  
**2021201339** Zogenix International Limited  
**2021201341** FISHER & PAYKEL HEALTHCARE LIMITED  
**2021201343** KOKI HOLDINGS CO., LTD.  
**2021201344** SOCIEDAD COMERCIAL HARUT SPA  
**2021201346** Immatics Biotechnologies GmbH  
**2021201347** Immatics Biotechnologies GmbH  
**2021201348** Immatics Biotechnologies GmbH  
**2021201349** Immatics Biotechnologies GmbH  
**2021201350** Immatics Biotechnologies GmbH  
**2021201354** President and Fellows of Harvard College  
**2021201355** Fidelta D.O.O.  
**2021201356** Phoenix Tissue Repair Inc.  
**2021201357** Translate Bio, Inc.  
**2021201358** Leica Geosystems AG  
**2021201360** Alcyone Lifesciences, Inc.  
**2021201361** Apple Inc.  
**2021201363** Ab Initio Technology LLC  
**2021201364** CANADIAN ENERGY SERVICES L.P.  
**2021201365** University of Pittsburgh - Of The Commonwealth System of Higher Education; Carnegie Mellon University  
  
**2021201366** GENENTECH, INC.  
**2021201367** Fuzhou Autran Industrial Co., Ltd  
**2021201368** Aristocrat Technologies Australia Pty Limited  
**2021201369** Airvana LP  
**2021201370** BISSELL Inc.  
**2021201371** BISSELL Inc.  
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**2021201374** CANADIAN ENERGY SERVICES L.P.  
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**2021201382** ConMed Corporation  
**2021201384** DSM IP Assets B.V.  
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**2021201393** Fasetto, Inc.  
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<b>A01B 49 /-</b> 2020223770	<b>A01N 43 /-</b> 2021200325 2021201259	<b>A41B 9 /-</b> 2020204388	<b>A61B 18 /-</b> 2020223644 2021200322 2021200382	<b>A61K 35 /-</b> 2021200122 2021200137 2021200139 2021200210 2021200253 2021200287 2021200347 2021200368 2021201328	
<b>A01B 63 /-</b> 2021200389	<b>A01N 57 /-</b> 2021200271 2021201251	<b>A41D 27 /-</b> 2020204388	<b>A61B 3 /-</b> 2021200334	<b>A61F 9 /-</b> 2021200179 2021200326	
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<b>A61K 48 /-</b> 2021200242 2021200253 2021200310 2021200383	<b>A61M 39 /-</b> 2021200363 2021200386 2021201307	<b>A61P 29 /-</b> 2019236633 2021200129 2021200147 2021200229 2021200266 2021201335	<b>A63G 21 /-</b> 2021200166	<b>B24B 55 /-</b> 2020223660	<b>B60G 9 /-</b> 2020223779
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<b>A61M 16 /-</b> 2021200272 2021200359 2021201222 2021201223 2021201267 2021201305 2021201341	<b>A61P 13 /-</b> 2021200071 2021200101	<b>B01J 27 /-</b> 2021201339	<b>B01J 27 /-</b> 2021201339	<b>B29B 17 /-</b> 2021201344	<b>B61L 25 /-</b> 2020227041
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		<b>B07C 5 /-</b> 2021201293	<b>B05B 12 /-</b> 2021201391	<b>B32B 3 /-</b> 2021200306	<b>B64C 1 /-</b> 2021200306
		<b>B22F 3 /-</b> 2020223753	<b>B05B 13 /-</b> 2020294342	<b>B32B 38 /-</b> 2021200306	<b>B64C 3 /-</b> 2021200306
		<b>B23B 47 /-</b> 2020210257	<b>B07C 5 /-</b> 2021201293	<b>B33Y 10 /-</b> 2020223753	<b>B64F 1 /-</b> 2021201398
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		<b>B23K 7 /-</b> 2021200251	<b>B22F 3 /-</b> 2020223753	<b>B60B 9 /-</b> 2021200240	<b>B65D 47 /-</b> 2021200361
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			<b>B25B 13 /-</b> 2020213384 2021201297	<b>B60G 17 /-</b> 2020226998	<b>B65F 1 /-</b> 2020204240



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<b>B66F 17 /-</b> 2020223779	<b>C07D 241 /-</b> 2021200199	<b>C07H 19 /-</b> 2021201251		<b>C12M 3 /-</b> 2021200110	
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<b>C05F 17 /-</b> 2020223679	<b>C07D 413 /-</b> 2021200141 2021201357		<b>C08L 23 /-</b> 2021201334		<b>D21H 19 /-</b> 2021201286
<b>C07C 233 /-</b> 2021200227					<b>E01D 101 /-</b> 2021200149

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<u><b>E01F 13 /-</b></u> 2020223630	<u><b>E04H 3 /-</b></u> 2021200282	<u><b>E21F 5 /-</b></u> 2019222836	<u><b>F25D 23 /-</b></u> 2020223666	2021200283	<u><b>G06F 3 /-</b></u> 2020260475
<u><b>E01F 9 /-</b></u> 2020227031	<u><b>E04H 4 /-</b></u> 2019226145 2020223664	<u><b>F01M 11 /-</b></u> 2020210252	<u><b>F25D 29 /-</b></u> 2020223666	2021200399	2021200244
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<u><b>E02D 37 /-</b></u> 2020223674	<u><b>E06B 1 /-</b></u> 2020204509	<u><b>F02D 41 /-</b></u> 2021200104	<u><b>G01B 11 /-</b></u> 2020233701 2021201398	<u><b>G01S 7 /-</b></u> 2021200078 2021200407	<u><b>G06F 7 /-</b></u> 2021200062 2021200063
<u><b>E02F 3 /-</b></u> 2020207870 2020217430 2021201358	<u><b>E06B 7 /-</b></u> 2020223654	<u><b>F04D 25 /-</b></u> 2021200150	<u><b>G01B 17 /-</b></u> 2020223635	<u><b>G01V 8 /-</b></u> 2020233701	<u><b>G06F 9 /-</b></u> 2021200362 2021201308 2021201363
<u><b>E02F 5 /-</b></u> 2021201302	<u><b>E21B 11 /-</b></u> 2021200376	<u><b>F04D 27 /-</b></u> 2021200150 2021200214	<u><b>G01B 7 /-</b></u> 2021201358	<u><b>G02B 7 /-</b></u> 2020227099	<u><b>G06K 9 /-</b></u> 2020223774
<u><b>E02F 9 /-</b></u> 2020207870 2020213324 2021200194 2021200371	<u><b>E21B 12 /-</b></u> 2021200376	<u><b>F15B 21 /-</b></u> 2020223732	<u><b>G01B 9 /-</b></u> 2021201398	<u><b>G02F 1 /-</b></u> 2021200070	2021200158
<u><b>E03B 3 /-</b></u> 2021201325	<u><b>E21B 21 /-</b></u> 2021201364 2021201374	<u><b>F16B 15 /-</b></u> 2021200156	<u><b>G01C 19 /-</b></u> 2021201358	<u><b>G03G 15 /-</b></u> 2021200089	2021200207
<u><b>E04B 1 /-</b></u> 2019284136 2021200498	<u><b>E21B 23 /-</b></u> 2021200376	<u><b>F16B 5 /-</b></u> 2021201285	<u><b>G01C 21 /-</b></u> 2021200307	<u><b>G03G 21 /-</b></u> 2021200089	2021201318
<u><b>E04B 2 /-</b></u> 2021200156	<u><b>E21B 29 /-</b></u> 2021200251	<u><b>F16K 27 /-</b></u> 2021200044	<u><b>G01C 9 /-</b></u> 2021201358	<u><b>G05B 23 /-</b></u> 2021201270	<u><b>G06N 20 /-</b></u> 2020223720 2020227004 2021200158
<u><b>E04B 5 /-</b></u> 2020227018	<u><b>E21B 33 /-</b></u> 2021200251	<u><b>F16K 43 /-</b></u> 2021200044	<u><b>G01D 5 /-</b></u> 2021200315	<u><b>G05D 1 /-</b></u> 2020213324 2020217430 2021200078 2021200143 2021200166 2021200371 2021200407	<u><b>G06N 3 /-</b></u> 2020223720 2020227004 2021200158
<u><b>E04C 3 /-</b></u> 2021201288	<u><b>E21B 34 /-</b></u> 2020227008 2021200401	<u><b>F16L 13 /-</b></u> 2020202125	<u><b>G01G 11 /-</b></u> 2021201398	<u><b>G05D 3 /-</b></u> 2020223697	<u><b>G06Q 10 /-</b></u> 2020223673 2020260490 2020260502 2020260508 2020260509 2020260540 2020331565 2021200182 2021200187 2021200188
<u><b>E04D 13 /-</b></u> 2021200498	<u><b>E21B 43 /-</b></u> 2021200251	<u><b>F16L 58 /-</b></u> 2020294342	<u><b>G01G 19 /-</b></u> 2021200460	<u><b>G06F 11 /-</b></u> 2021201363	2021200269
<u><b>E04F 15 /-</b></u> 2020227018 2020227032	<u><b>E21C 35 /-</b></u> 2021200194	<u><b>F17C 11 /-</b></u> 2021201306	<u><b>G01J 1 /-</b></u> 2020233701	<u><b>G06F 12 /-</b></u> 2021200184	2021200284
<u><b>E04F 19 /-</b></u> 2020204509	<u><b>E21C 37 /-</b></u> 2019222836	<u><b>F21S 8 /-</b></u> 2021201290	<u><b>G01L 17 /-</b></u> 2020220060	<u><b>G06F 13 /-</b></u> 2021200097	2021201280
<u><b>E04H 1 /-</b></u> 2019284136	<u><b>E21D 9 /-</b></u> 2021201364	<u><b>F24D 17 /-</b></u> 2019226145	<u><b>G01N 1 /-</b></u> 2021200665	<u><b>G06F 15 /-</b></u> 2021200244 2021200362	2021201312
		<u><b>F24F 13 /-</b></u> 2020223654	<u><b>G01N 21 /-</b></u> 2021200148 2021200408	<u><b>G06F 16 /-</b></u> 2020260480 2021200222 2021200402	2021201324
		<u><b>F24F 6 /-</b></u> 2021201341	<u><b>G01N 33 /-</b></u> 2021200067 2021200092	<u><b>G06F 17 /-</b></u> 2021200062 2021200063 2021200174 2021200185 2021200362	2021201327
		<u><b>F24F 7 /-</b></u> 2020223654			2021201398

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<b>G06Q 30 /-</b> 2020223673 2021200244 2021200269 2021200296 2021200335 2021201312 2021201324	<b>G08G 1 /-</b> 2021200165	<b>H01M 2 /-</b> 2021201343	<b>H04M 1 /-</b> 2020223678 2021201295
<b>G06Q 40 /-</b> 2020260473 2021200152 2021200159 2021200160 2021200217 2021201276	<b>G09B 5 /-</b> 2021200339	<b>H01R 13 /-</b> 2020203105	<b>H04N 1 /-</b> 2021201295
<b>G06Q 50 /-</b> 2020204240 2020223774 2021200244 2021201311 2021201398	<b>G09F 13 /-</b> 2020227099	<b>H02B 1 /-</b> 2020223670	<b>H04N 19 /-</b> 2021200087 2021200241 2021200247
<b>G06T 13 /-</b> 2020220123	<b>G09F 17 /-</b> 2020227031	<b>H02G 11 /-</b> 2021201395	<b>H04N 21 /-</b> 2021200219 2021200238
<b>G06T 19 /-</b> 2021200221	<b>G09F 9 /-</b> 2020227087	<b>H02J 50 /-</b> 2021200373	<b>H04N 5 /-</b> 2021200258 2021201295
<b>G06T 7 /-</b> 2021200207 2021200221	<b>G09G 5 /-</b> 2021200177	<b>H02J 7 /-</b> 2021201343	<b>H04R 25 /-</b> 2020223694
<b>G07B 15 /-</b> 2021200084	<b>G10L 15 /-</b> 2021200128 2021200339	<b>H02J 9 /-</b> 2019222879	<b>H04R 29 /-</b> 2020227012
<b>G07C 9 /-</b> 2021200084	<b>G11B 27 /-</b> 2020260475 2021201295	<b>H02P 7 /-</b> 2020227080	<b>H04S 7 /-</b> 2020227012
<b>G07D 1 /-</b> 2021201318	<b>G16B 20 /-</b> 2021200411	<b>H03H 1 /-</b> 2021201253	<b>H04W 12 /-</b> 2021200169 2021200245
<b>G07F 17 /-</b> 2020223786 2020227086 2021200062 2021200063 2021200077 2021201300 2021201368	<b>G16B 25 /-</b> 2021200154	<b>H03K 3 /-</b> 2021200286	<b>H04W 16 /-</b> 2021200088
<b>G07F 7 /-</b> 2020260473	<b>G16B 50 /-</b> 2021200411	<b>H03K 5 /-</b> 2021200286	<b>H04W 4 /-</b> 2020331565 2021200254 2021200403
<b>G07F 9 /-</b> 2021200103	<b>G16C 10 /-</b> 2021200097	<b>H03M 7 /-</b> 2021201291	<b>H04W 48 /-</b> 2021200349
<b>G07G 1 /-</b> 2021201318	<b>G16H 20 /-</b> 2020227004 2020294328	<b>H04B 7 /-</b> 2021200132 2021200191	<b>H04W 72 /-</b> 2020223645 2021200088 2021201369
<b>G08B 17 /-</b> 2020227099	<b>G16H 30 /-</b> 2020223720	<b>H04H 60 /-</b> 2021200245	<b>H04W 80 /-</b> 2021200082
<b>G08B 21 /-</b> 2021200284	<b>G16H 40 /-</b> 2020294328	<b>H04L 1 /-</b> 2021200132	<b>H04W 84 /-</b> 2021200088 2021200132
<b>G08B 23 /-</b> 2021200173	<b>G16H 50 /-</b> 2020227004	<b>H04L 12 /-</b> 2021200083 2021200128 2021200157 2021200243 2021201295 2021201393	<b>H04W 88 /-</b> 2021201369
<b>G08B 25 /-</b> 2021200284	<b>H01H 1 /-</b> 2019222879	<b>H04L 25 /-</b> 2021200172	<b>H05K 5 /-</b> 2020223670
	<b>H01H 21 /-</b> 2019222879	<b>H04L 29 /-</b> 2021200082 2021200128 2021200331 2021200332 2021200397 2021200403 2021200971	<b>H05K 7 /-</b> 2020223670
	<b>H01H 3 /-</b> 2019222879	<b>H04L 9 /-</b> 2020220129 2020223673 2021200062 2021200063 2021200184 2021200415	<b>No IPC Mark</b>
	<b>H01H 5 /-</b> 2019222879		
	<b>H01L 21 /-</b> 2021201266		
	<b>H01L 23 /-</b> 2021201253		
	<b>H01L 39 /-</b> 2021201266		
	<b>H01M 10 /-</b> 2021201343		

**Innovation Patents Open to Public Inspection**

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. (\*) Title not in Roman characters  
 . (\*\*) Title not given  
 (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

<hr/> <p><b>-, S. see -, A.</b>  <b>(21)</b> 2020104395</p> <hr/> <p><b>-, P. see -, A.</b>  <b>(21)</b> 2020104395</p> <hr/> <p><b>(71)</b> -, A.; -, S.; -, P.  <b>(11)</b> AU-A-2020104395  <b>(21)</b> 2020104395      <b>(22)</b> 30.12.2020  <b>(54)</b> SELF SANITIZING ATTENDANCE RE-CORDER WITH THERMAL SCREENING  <b>(51)</b> Int. Cl.  <b>G07C 9/37</b> ( 2020.01 )  <b>A61L 2/10</b> ( 2006.01 )  <b>(45)</b> 18.03.2021  <b>(72)</b> Ajay; Jangir, Amit; Satti, Tanuj; Shrivastava, Virendra Kumar; Rajput, Sweety; Ranjan, Pallavi; Rani, Sangeeta; Kumar, Brijesh; Mittal, Ravi Kant  <b>(74)</b> Michael Buck IP</p> <hr/> <p><b>., S. see Bhargava, C.</b>  <b>(21)</b> 2020104081</p> <hr/> <p><b>., P. see Bhargava, C.</b>  <b>(21)</b> 2020104081</p> <hr/> <p><b>A, S.K. see K K, R.</b>  <b>(21)</b> 2020104301</p> <hr/> <p><b>A, P. see Mahendran, S.</b>  <b>(21)</b> 2021100002</p> <hr/> <p><b>Abbas, S. see Kashem, S.B.A.</b>  <b>(21)</b> 2021100003</p> <hr/> <p><b>Abhishek, A. see Dekate, H.M.</b>  <b>(21)</b> 2021100000</p> <hr/> <p><b>(71)</b> Acharya, B.; Pandharbale, P.B.; Pradhan, M.R.; Mohapatra, A.; Samal, S.; Jamader, A.R.; Das, P.  <b>(11)</b> AU-A-2020104345  <b>(21)</b> 2020104345      <b>(22)</b> 24.12.2020  <b>(54)</b> INTERNET OF THINGS (IOT) SENSOR BASED SMART FAN  <b>(51)</b> Int. Cl.  <b>F04D 27/00</b> ( 2006.01 )  <b>F04B 39/06</b> ( 2006.01 )  <b>F04D 15/00</b> ( 2006.01 )</p>	<p><b>F24F 11/523</b> ( 2018.01 )  <b>F24F 11/526</b> ( 2018.01 )  <b>F24F 11/58</b> ( 2018.01 )  <b>F24F 11/63</b> ( 2018.01 )  <b>F24F 11/88</b> ( 2018.01 )  <b>F24F 11/89</b> ( 2018.01 )  <b>(45)</b> 18.03.2021  <b>(72)</b> Acharya, Biswaranjan; Pandharbale, Priya B.; Pradhan, Manas Ranjan; Mohapatra, Alivarani; Samal, Sarita; Jamader, Asik Rahaman; Das, Puja  <b>(74)</b> Biswaranjan Acharya</p> <hr/> <p><b>Aggarwal, V. see Bhargava, C.</b>  <b>(21)</b> 2020104081</p> <hr/> <p><b>Ahad, M.A. see Naaz, S.</b>  <b>(21)</b> 2021100022</p> <hr/> <p><b>Alam, M.A. see Goyal, R.K.</b>  <b>(21)</b> 2020104346</p> <hr/> <p><b>Anand, A. see Selvaperumal, S.</b>  <b>(21)</b> 2020104350</p> <hr/> <p><b>Ankita see Goyal, S.B.</b>  <b>(21)</b> 2020103648</p> <hr/> <p><b>(71)</b> Anupama, C.; Srinivas, P.; Srinivas, M.; Lakshmi, K.V.; Umamaheswari, K.; Swathi, N.; Anuradha, B.  <b>(11)</b> AU-A-2020103799  <b>(21)</b> 2020103799      <b>(22)</b> 30.11.2020  <b>(54)</b> A wireless networking of medical equipment's on mobile application for paperless clinic  <b>(51)</b> Int. Cl.  <b>H04W 4/30</b> ( 2018.01 )  <b>A61B 5/00</b> ( 2006.01 )  <b>H04W 84/04</b> ( 2009.01 )  <b>H04W 88/04</b> ( 2009.01 )  <b>(45)</b> 18.03.2021  <b>(72)</b> Anupama, CSS; Srinivas, P.; Srinivas, M.; Lakshmi, K. Vijaya; Umamaheswari, K.; Swathi, N.; Anuradha, B.  <b>(74)</b> CSS Anupama</p> <hr/> <p><b>Anuradha, B. see Anupama, C.</b>  <b>(21)</b> 2020103799</p> <hr/> <p><b>Aquatar, M.O. see Panda, R.C.</b>  <b>(21)</b> 2020104359</p>	<p><b>Arularasu, S. see Kashem, S.B.A.</b>  <b>(21)</b> 2021100003</p> <hr/> <p><b>(71)</b> Atrada Group Pty Ltd Trading as Trade-sales  <b>(11)</b> AU-A-2020104370  <b>(21)</b> 2020104370      <b>(22)</b> 29.12.2020  <b>(54)</b> Transport Cage  <b>(51)</b> Int. Cl.  <b>B65D 19/12</b> ( 2006.01 )  <b>B65D 19/10</b> ( 2006.01 )  <b>(45)</b> 18.03.2021  <b>(72)</b> Aviso, Chris  <b>(74)</b> Armour IP Pty Ltd</p> <hr/> <p><b>B, M. see K K, R.</b>  <b>(21)</b> 2020104301</p> <hr/> <p><b>B., A. see P.S, V.</b>  <b>(21)</b> 2020104124</p> <hr/> <p><b>B. Chordiya, (.S. see Krishna, P.V.</b>  <b>(21)</b> 2020104379</p> <hr/> <p><b>B.S, P. see Panda, R.C.</b>  <b>(21)</b> 2020104340</p> <hr/> <p><b>Babu Singh, R. see Goyal, S.B.</b>  <b>(21)</b> 2020103648</p> <hr/> <p><b>Baghavathi Priya, S. see Mahendran, S.</b>  <b>(21)</b> 2021100001</p> <hr/> <p><b>Balusamy, B. see Johri, P.</b>  <b>(21)</b> 2020103907</p> <hr/> <p><b>(71)</b> Bansal, M.; Kumar, M.; Kumar, M.; Kumar, K.  <b>(11)</b> AU-A-2020103520  <b>(21)</b> 2020103520      <b>(22)</b> 18.11.2020  <b>(54)</b> REAL TIME OBJECT RECOGNITION METHOD  <b>(51)</b> Int. Cl.  <b>G06K 9/80</b> ( 2006.01 )  <b>G06K 9/46</b> ( 2006.01 )  <b>G06K 9/62</b> ( 2006.01 )  <b>G06T 7/246</b> ( 2017.01 )  <b>(45)</b> 18.03.2021  <b>(72)</b> Bansal, Monika; Kumar, Munish; Kumar, Manish; Kumar, Krishan  <b>(74)</b> Monika Bansal</p>
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**Bansal, B.N. see Bhargava, C.**  
(21) 2020104081

**Barot, M.P. see Prakash, S.J.**  
(21) 2020104364

**Batta, K.B. see Tumula, D.P.**  
(21) 2020103375

**Bavisetti, L. see RAJU BENDI, R.**  
(21) 2020104378

**Bedi, P. see Goyal, S.B.**  
(21) 2020103648

**Behura, A. see Rajakumar, M.P.**  
(21) 2020104365

(71) Beijing Beike Fangxing Environmental Protection Technology Co., Ltd.

(11) AU-A-2020104367

(21) 2020104367 (22) 29.12.2020

(54) Cement Filling Material for Co-solidifying Arsenic and Preparation Method Thereof

(51) Int. Cl.

*C04B 18/04* (2006.01)

*B09B 1/00* (2006.01)

*B09B 3/00* (2006.01)

*C04B 14/06* (2006.01)

*C04B 18/02* (2006.01)

*C04B 22/06* (2006.01)

*C04B 24/08* (2006.01)

*C04B 24/16* (2006.01)

*C04B 24/18* (2006.01)

*C04B 24/22* (2006.01)

*C04B 24/26* (2006.01)

*C04B 28/08* (2006.01)

*C04B 28/14* (2006.01)

(45) 18.03.2021

(72) Ni, Wen; Gao, Wei; Li, Yunyun; Wang, Ke; Yan, Qihui; Zhang, Yuying

(74) Alder IP Pty Ltd

(71) Beijing University of Technology

(11) AU-A-2020104327

(21) 2020104327 (22) 24.12.2020

(54) Power Cycling Test Device for Multi-junction Temperature Difference Control of Automobile Grade IGBT

(51) Int. Cl.

*G01R 31/26* (2020.01)

(45) 18.03.2021

(72) An, Tong; Tian, Yanzhong; Qin, Fei; Zhao, Jingyi

(74) Alder IP Pty Ltd

(71) Bhargava, C.; Sharma, P.K.; Aggarwal, V.; Gupta, S.; Singla, V.K.; ., S.; Rani, U.; Krishan, B.; Bansal, B.N.; ., P.

(11) AU-A-2020104081

(21) 2020104081 (22) 15.12.2020

(54) ARTIFICIAL INTELLIGENCE FOR IOT BASED SENSOR NETWORKS DESIGNED 5G NETWORKS

(51) Int. Cl.

*H04W 72/04* (2009.01)

*H04W 16/14* (2009.01)

(45) 18.03.2021

(72) Bhargava, Cherry; Sharma, Pardeep Kumar; Aggarwal, Vibha; Gupta, Sandeep; Singla, Virinder Kumar; Shipra; Rani, Usha; Krishan, Bal; Bansal, Bharat Naresh; Priyanka

(74) Blessen Skariah Thomas

(71) Bhaskaran, R.; Dekate, H.; Kumar, P.; Gurusamy, M.; Kumar, D.; Swarupa, P.; Sangale, M.; Katakam, S.; Rout, S.; Prusty, A.

(11) AU-A-2020103242

(21) 2020103242 (22) 04.11.2020

(54) Prevention of food harmfulness from production to customer for centralized kitchen facility using IoT

(51) Int. Cl.

*H04L 29/06* (2006.01)

*H04L 12/28* (2006.01)

(45) 18.03.2021

(72) Bhaskaran, R.; Dekate, Hireen; Kumar, P. Ravindra; Gurusamy, M.; Kumar, D. Krishna; Swarupa, P. Uma; Sangale, Mohan Dattu; Katakam, Satyanarayana; Rout, Sandeep; Prusty, Ajay Kumar

(74) Patentable

**Bhat, A.P. see Rajakumar, M.P.**

(21) 2020104365

**Bhatnagar, P. see Raja, R.**

(21) 2020103852

**Bhatt, R. see Dekate, H.M.**

(21) 2021100000

**Bhattacharyya, S. see Panda, R.C.**

(21) 2020104340

**Bhima, R.T. see Tumula, D.P.**

(21) 2020103375

**Bhoi, A.K. see Mallick, P.**

(21) 2020103765

(71) Biology Institute of Shandong Academy of Sciences; Golden Star (Rizhao) Agricultural Science and Technology Development Co., Ltd.

(11) AU-A-2020103947

(21) 2020103947 (22) 08.12.2020

(54) *Trichoderma viride*, microbial agent, biological fertilizer and application

(51) Int. Cl.

*A01N 63/38* (2020.01)

*C05F 11/08* (2006.01)

*C12N 1/14* (2006.01)

*C12R 1/885* (2006.01)

(45) 18.03.2021

(72) Guo, Kai; Huang, Yanhua; Li, Zhe; Hao, Yongren; Liu, Kuizhu; Sui, Yonghui; Zhang, Hao

(74) Shelston IP Pty Ltd.

**Boddu, R. see Veeraiah, D.**

(21) 2021100011

**Bohre, A.K. see Rajakumar, M.P.**

(21) 2020104365

**Bonde, P. see Pinjarkar, L.**

(21) 2020104385

**B S, P. see Panda, R.C.**

(21) 2020104359

**Bura, D. see Goyal, S.B.**

(21) 2020103648

**Buvaneswari, B. see Mahendran, S.**

(21) 2021100001

**Chahal, P. see Goyal, S.B.**

(21) 2020103648

**Chaitanya, M. see Veeraiah, D.**

(21) 2021100011

**Chakrabarti, P. see Chakrabarti, T.**

(21) 2020104352

(71) Chakrabarti, T.; Patil, M.B.; Karthik, P.M.D.; Raju, M.D.; Satpathy, B.; Chakrabarti, P.; Hati, A.S.; Das, A.; Chhawchharia, P.; Mandal(Vijayvergiya), R.; Mishra, R.; Ravi Kumar, N.

(11) AU-A-2020104352

(21) 2020104352 (22) 27.12.2020

(54) FUTURE SUMMER TEMPERATURE AVERAGE PREDICTION FROM AIR TEMPERATURE RATE DATA

(51) Int. Cl.

*G01W 1/10* (2006.01)

(45) 18.03.2021

(72) Chakrabarti, Tulika; Patil, Mithun Baswaraj; Karthik, P. M. Dhureen; Raju, Medepalli David; Satpathy, Biswajit; Chakrabarti, Prasun; Hati, Ananda Shankar; Das, Anirban; Chhawchharia, Pradeep; Mandal(Vijayvergiya), Rashmi; Mishra, Richa; Ravi Kumar, N.

(74) Tulika Chakrabarti

**Chakrabarti, P. see Prakash, S.J.**

(21) 2020104364

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**Chakrabarti, P. see Rajakumar, M.P.**  
(21) 2020104365

**Chakrabarti, T. see Dekate, H.M.**  
(21) 2021100000

**Chakrabarti, P. see Dekate, H.M.**  
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(21) 2021100001

**Chakrabarti, P. see Mahendran, S.**  
(21) 2021100001

**Chakrabarti, T. see Mahendran, S.**  
(21) 2021100002

**Chakrabarti, P. see Mahendran, S.**  
(21) 2021100002

**Chakrabarti, T. see Kashem, S.B.A.**  
(21) 2021100003

**Chakrabarti, P. see Kashem, S.B.A.**  
(21) 2021100003

**Chakravarthy, A.S.N. see Rupa, C.**  
(21) 2020103943

**Chand, L. see Panda, R.C.**  
(21) 2020104340

**Chandrakar, R. see Panda, R.C.**  
(21) 2020104359

**Chandra Srivastava, S. see Pinjarkar, L.**  
(21) 2020104385

(71) CHANGSHA UNIVERSITY OF SCIENCE AND TECHNOLOGY; Guangxi University  
(11) AU-A-2020104338  
(21) 2020104338 (22) 24.12.2020  
(54) Steel box girder reinforcement structure and reinforcement method thereof  
(51) Int. Cl.  
E01D 22/00 (2006.01)  
E01D 2/04 (2006.01)  
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(11) AU-A-2020104410  
(21) 2020104410 (22) 31.12.2020  
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(51) Int. Cl.  
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B63H 25/38 (2006.01)  
B63B 83/00 (2020.01)  
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(21) 2020104380

**Dahiya, S. see Panda, R.C.**  
(21) 2020104340

(71) Dalian Polytechnic University  
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(51) Int. Cl.  
C08J 5/18 (2006.01)  
C08K 3/04 (2006.01)  
C08K 3/22 (2006.01)  
C08L 23/06 (2006.01)  
C08L 23/22 (2006.01)  
C08L 23/28 (2006.01)  
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(72) Chen, Ru; Lu, Yongzhen  
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(71) Dalian Polytechnic University  
(11) AU-A-2020104335  
(21) 2020104335 (22) 24.12.2020

(54) A method for detecting the gaseous phase migration of plasticizers-phthalic acid esters in plastic products  
(51) Int. Cl.  
G01N 1/22 (2006.01)  
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(45) 18.03.2021  
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(21) 2020104298 (22) 23.12.2020  
(54) CENSORING ONLINE SOCIAL MEDIA PLATFORM CONTENT THROUGH ARTIFICIAL INTELLIGENCE BASED FRAMEWORK  
(51) Int. Cl.  
G06N 20/00 (2019.01)  
G06Q 50/00 (2012.01)  
(45) 18.03.2021  
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(74) ALWIN DAMODAR ANUSE

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(21) 2020104345

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(21) 2020104346

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**H04W 4/38** ( 2018.01 )  
**G01N 33/00** ( 2006.01 )  
**H04W 84/12** ( 2009.01 )  
**H04W 84/16** ( 2009.01 )  
**H04W 88/04** ( 2009.01 )
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- (74) Hiren Madhukar Dekate
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(21) 2020104359
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(21) 2021100011
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- (71) Economic Crop Research Institute of Hebei Academy of Agriculture and Forestry Sciences  
(11) AU-A-2021100016  
(21) 2021100016 (22) 04.01.2021  
(54) GREENHOUSE COOLING SYSTEM AND METHOD  
(51) Int. Cl.  
**A01G 9/24** ( 2006.01 )  
(45) 18.03.2021  
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(74) Remarkable IP
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(11) AU-A-2020104375  
(21) 2020104375 (22) 29.12.2020  
(54) An albendazole nanoliposome freeze-dried powder and its preparation method  
(51) Int. Cl.  
**A61K 31/4184** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )
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(11) AU-A-2020104388  
(21) 2020104388 (22) 30.12.2020  
(54) Two-Way Door Opening Linkage Structure and Electric Cooking Device  
(51) Int. Cl.  
**E05F 17/00** ( 2006.01 )  
**A47J 37/06** ( 2006.01 )  
**E05D 15/04** ( 2006.01 )  
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**E05F 1/12** ( 2006.01 )  
(31) 201922483846.6 (32) 30.12.19 (33) CN  
(45) 18.03.2021  
(72) CHENG, Xiao  
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Fruitshop International Co., Ltd.  
(11) AU-A-2020104392  
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(54) Protective Cover having Replaceable Male Parts and Protective Cover Kit  
(51) Int. Cl.  
**A45C 11/00** ( 2006.01 )  
**A45F 5/00** ( 2006.01 )  
**H04B 1/03** ( 2006.01 )  
(31) 109205563 (32) 08.05.20 (33) TW  
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(74) A.P.T. Patent and Trade Mark Attorneys
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(21) 2020104340
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**G06Q 50/26** ( 2012.01 )  
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(11) AU-A-2020104346  
(21) 2020104346 (22) 25.12.2020  
(54) SMART AND PORTABLE LONG DISTANCE SECURITY SYSTEM WITHOUT USING LASER LIGHT  
(51) Int. Cl.  
**G08B 29/16** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
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(11) AU-A-2020104190  
(21) 2020104190 (22) 18.12.2020  
(54) MICROPOROUS-STRUCTURED IONIC POLYMER SENSOR  
(51) Int. Cl.  
**G01N 27/00** ( 2006.01 )  
(45) 18.03.2021  
(72) PANWAR, VARIJ  
(74) LAMINAR IP PTY LTD
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(21) 2020104319

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(21) 2020104320

(71) Guangxi Academy of Agricultural Sciences

(11) AU-A-2020104334

(21) 2020104334 (22) 24.12.2020

(54) A UAV ground-simulated flight method based on the ultrasonic positioning detection of vegetation surface

(51) Int. Cl.

**B64D 1/18** ( 2006.01 )

**B64C 39/02** ( 2006.01 )

**G01S 15/08** ( 2006.01 )

**G01S 15/89** ( 2006.01 )

**G01S 17/42** ( 2006.01 )

**G05D 1/04** ( 2006.01 )

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(74) Alder IP Pty Ltd

**Guangxi University** see **CHANGSHA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
(21) 2020104338

**GUDI, K.S.** see **PAREEK, P.K.**

(21) 2021100004

(71) Guizhou University

(11) AU-A-2020104358

(21) 2020104358 (22) 28.12.2020

(54) REVOCATION METHOD OF ATTRIBUTE-BASED COLLABORATIVE ACCESS CONTROL

(51) Int. Cl.

**G06F 21/31** ( 2013.01 )

**G06F 21/62** ( 2013.01 )

**H04L 9/00** ( 2006.01 )

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(74) Churchill Attorneys

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(21) 2020104340

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(21) 2020103242

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(21) 2021100003

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(21) 2020104364

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(21) 2021100002

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(21) 2021100003

**Haque, S.** see **Prakash, S.J.**

(21) 2020104364

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(21) 2020104364

(71) Harbin Engineering University

(11) AU-A-2020104299

(21) 2020104299 (22) 23.12.2020

(54) A Combination Model of Shipyard Layout Design

(51) Int. Cl.

**G09B 25/02** ( 2006.01 )

(45) 18.03.2021

(72) Liu, Yang; Zhang, Dan; Yuan, Li Hao; Zhu, Haitao; Zan, Yingfei; Li, Xinfei

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(71) Harbin Engineering University

(11) AU-A-2020104300

(21) 2020104300 (22) 23.12.2020

(54) A three-dimensional model making method for hull structure

(51) Int. Cl.

**B33Y 50/02** ( 2015.01 )

**B33Y 80/00** ( 2015.01 )

**B63B 71/10** ( 2020.01 )

**G06F 30/00** ( 2020.01 )

**G09B 25/02** ( 2006.01 )

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**Hati, A.S.** see **Dekate, H.M.**

(21) 2021100000

**Hati, A.S.** see **Kashem, S.B.A.**

(21) 2021100003

(71) Heilongjiang Bayi Agricultural University

(11) AU-A-2020104315

(21) 2020104315 (22) 24.12.2020

(54) A METHOD FOR IMPROVING SA-LINE-ALKALI TOLERANCE OF MAIZE

SEEDLINGS AND IMPROVING PHYSICAL AND CHEMICAL PROPERTIES OF RHIZOSPHERE SOIL OF MAIZE SEEDLINGS

(51) Int. Cl.

**A01N 63/00** ( 2020.01 )

**C12N 1/20** ( 2006.01 )

**C12R 1/10** ( 2006.01 )

**C12R 1/22** ( 2006.01 )

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(45) 18.03.2021

(72) Yang, Lijuan; Yang, Kejun; Wang, Yufeng

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(71) Heilongjiang Bayi Agricultural University

(11) AU-A-2020104362

(21) 2020104362 (22) 28.12.2020

(54) SENSOR APPLICATION DEVICE FOR GREENHOUSES

(51) Int. Cl.

**A01G 9/24** ( 2006.01 )

**F24F 11/00** ( 2018.01 )

**F24F 11/30** ( 2018.01 )

**F24F 11/50** ( 2018.01 )

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(72) Li, Aichuan; Li, Lin; Zhang, Mingxuan; Lv, Dongyang; Liu, Fuzhi

(74) Bryan Liang

(71) Heilongjiang Bayi Agricultural University

(11) AU-A-2020104363

(21) 2020104363 (22) 28.12.2020

(54) AUTOMATIC CONTROL WATER-SAVING IRRIGATION DEVICE FOR PADDY IN COLD REGIONS

(51) Int. Cl.

**A01G 25/16** ( 2006.01 )

**A01G 25/09** ( 2006.01 )

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(72) Li, Aichuan; Li, Lin; Liang, Maozheng; Sang, Yining; Liu, Xuanji

(74) Bryan Liang

(71) Heilongjiang Institute of Wood Science

(11) AU-A-2020104311

(21) 2020104311 (22) 24.12.2020

(54) METHOD FOR ANALYZING AND TESTING MECHANICAL PERFORMANCE OF WOODEN LOCK

(51) Int. Cl.

**G01M 99/00** ( 2011.01 )

**G01N 33/46** ( 2006.01 )

**G06F 30/23** ( 2020.01 )

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(71) Huazhong Agricultural University

(11) AU-A-2020104366

(21) 2020104366 (22) 29.12.2020

(54) Help migration device for natural enemy insects and the helping migration method

(51) Int. Cl.

**A01M 1/04** ( 2006.01 )



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**(74)** Alder IP Pty Ltd

**(71)** Huzhou University  
**(11)** AU-A-2020104321  
**(21)** 2020104321 **(22)** 24.12.2020  
**(54)** IMMUNE-ENHANCED EXTRUDED PELLET FEED FOR GRASS CARP AND PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**A23K 40/25** ( 2016.01 )  
**A23K 10/14** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 50/80** ( 2016.01 )  
**(45)** 18.03.2021  
**(72)** YE, Jinyun; WU, Chenglong; MING, Jianhua; YANG, Xia; ZHANG, Yixiang; SHAO, Xianping  
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**(71)** Huzhou University  
**(11)** AU-A-2021100015  
**(21)** 2021100015 **(22)** 04.01.2021  
**(54)** COMPOUND PROTEIN SOURCE EXTRUDED PELLET FEED FOR BLACK CARP, MYLOPHARYNGODON PICEUS AND PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**A23K 10/22** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 20/174** ( 2016.01 )  
**A23K 20/26** ( 2016.01 )  
**A23K 40/25** ( 2016.01 )  
**A23K 50/80** ( 2016.01 )  
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**(72)** YE, Jinyun; SHAO, Xianping; WU, Chenglong; MING, Jianhua; YANG, Xia  
**(74)** Remarkable IP

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**(21)** 2020104379

**(71)** Inner Mongolia Agricultural University  
**(11)** AU-A-2020104343  
**(21)** 2020104343 **(22)** 24.12.2020  
**(54)** SPECIAL RARE EARTH METAL La-MOFs ADSORPTION MATERIAL FOR α-PINENE TARGETED INTELLIGENT ADSORPTION AND PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**B01J 20/22** ( 2006.01 )  
**B01D 53/047** ( 2006.01 )  
**B01D 53/72** ( 2006.01 )  
**B01J 20/02** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
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**(72)** Zhang, Xiaotao; Yu, Jianfang; Wang, Xia; Li, Shujing; He, Qin; Li, Lili; Wang,

Zhe; Yao, Lihong; Wang, Yamei; Hao, Yinan; Wang, Ximing  
**(74)** Sanjay Govindarajan

**(71)** Inner Mongolia Agricultural University  
**(11)** AU-A-2020104344  
**(21)** 2020104344 **(22)** 24.12.2020  
**(54)** Ce-MOFs MATERIAL FOR ADSORBING VOCs RELEASED IN WOOD DRYING PROCESS AND METHOD OF USE THEREOF  
**(51)** Int. Cl.  
**B01J 20/22** ( 2006.01 )  
**B01D 53/047** ( 2006.01 )  
**B01D 53/72** ( 2006.01 )  
**B01J 20/02** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
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**(74)** Bryan Liang

**(71)** Institute of Agricultural Resources and Environment, Guangdong Academy of Agricultural Sciences; Guangdong Mingjing Biotechnology Co. Ltd  
**(11)** AU-A-2020104319  
**(21)** 2020104319 **(22)** 24.12.2020  
**(54)** A special synergistic selenium-enriched fertilizer for acid soil and its preparation method  
**(51)** Int. Cl.  
**C05D 9/02** ( 2006.01 )  
**C05G 1/00** ( 2006.01 )  
**C05G 3/80** ( 2020.01 )  
**(45)** 18.03.2021  
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**(74)** Alder IP Pty Ltd

**(71)** Institute of Agricultural Resources and Environment, Guangdong Academy of Agricultural Sciences; Guangdong Mingjing Biotechnology Co. Ltd  
**(11)** AU-A-2020104320  
**(21)** 2020104320 **(22)** 24.12.2020  
**(54)** A growth-regulating special conditioner for acid soil in citrus orchards, a preparation method and application thereof  
**(51)** Int. Cl.  
**C09K 17/40** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Zhang, Mu; Tang, Shuanhu; Pang, Yuwan; Xu, Peizhi; Wu, Xiaoming; Huang, Qiaoyi; Huang, Xu; Yi, Qiong; Huang, Jianfeng; Li, Ping; Fu, Hongting  
**(74)** Alder IP Pty Ltd

**(71)** Institute of Agricultural Resources and Environment, Shandong Academy of Agricultural Sciences; Shandong Pro-

vincial Geo-mineral Engineering Exploration Institute  
**(11)** AU-A-2020104314  
**(21)** 2020104314 **(22)** 24.12.2020  
**(54)** Composition with Effects of Prevention and Control of Nitrogen and Phosphorus Loss and Improvement of Soil Fertility of Facility Vegetable Fields  
**(51)** Int. Cl.  
**C05G 3/40** ( 2020.01 )  
**(45)** 18.03.2021  
**(72)** Bo, Lujii; Li, Bing; Zhang, Rongquan; Li, Yan; Jing, Yongping; Sun, Ming; Zhong, Ziwen; Sun, Cuiping  
**(74)** Remarkable IP

**(71)** Institute of animal husbandry, Heilongjiang Academy of Agricultural Sciences  
**(11)** AU-A-2021100020  
**(21)** 2021100020 **(22)** 04.01.2021  
**(54)** ADDITIVE FOR PREVENTING AND TREATING MYCOPLASMAL PNEUMONIA OF SWINE AND PREPARATION METHOD AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**A61K 36/355** ( 2006.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 50/30** ( 2016.01 )  
**A61K 36/284** ( 2006.01 )  
**A61K 36/346** ( 2006.01 )  
**A61K 36/481** ( 2006.01 )  
**A61K 36/484** ( 2006.01 )  
**A61K 36/539** ( 2006.01 )  
**A61K 36/736** ( 2006.01 )  
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**A61K 36/8966** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
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**(45)** 18.03.2021  
**(72)** Liu, Di; Yu, Xiaolong; Wu, Saihui; He, Xinmiao; Wang, Wentao; Zhang, Haifeng; Tian, Ming; Liu, Ziguang; Feng, Yanzhong; Chen, Heshu; Wang, Liang; Xia, Jiqiao; Qi, Meiyu; He, Haijuan  
**(74)** Remarkable IP

**(71)** Institute of animal husbandry, Heilongjiang Academy of Agricultural Sciences  
**(11)** AU-A-2021100021  
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**(54)** PLANT FEED ADDITIVE FOR PREVENTING AND TREATING DIARRHEA OF WEANED PIGLETS AND PREPARATION METHOD  
**(51)** Int. Cl.  
**A61K 36/344** ( 2006.01 )  
**A23K 10/12** ( 2016.01 )  
**A23K 10/18** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 50/30** ( 2016.01 )  
**A61K 35/747** ( 2015.01 )  
**A61K 36/064** ( 2006.01 )  
**A61K 36/258** ( 2006.01 )  
**A61K 36/284** ( 2006.01 )  
**A61K 36/288** ( 2006.01 )  
**A61K 36/355** ( 2006.01 )  
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**A61K 36/734** ( 2006.01 )  
**A61K 36/752** ( 2006.01 )  
**A61K 36/8998** ( 2006.01 )  
**A61P 1/12** ( 2006.01 )  
**(31)** 202011457351.7 **(32)** 10.12.20 **(33)** CN  
**(45)** 18.03.2021  
**(72)** Liu, Di; Yu, Xiaolong; Wu, Saihui; He, Xinmiao; Xia, Jiqiao; Wang, Wentao; Zhang, Haifeng; Wang, Liang; Tian, Ming; Liu, Ziguang; Feng, Yanzhong; Chen, Heshu; He, Haijuan; Qi, Meiyu  
**(74)** Remarkable IP

**(71)** Institute of Animal Husbandry, Heilongjiang Academy of Agricultural Sciences  
**(11)** AU-A-2020104400  
**(21)** 2020104400 **(22)** 30.12.2020  
**(54)** STRAW COLLECTING MACHINE AND CONTROL METHOD THEREOF  
**(51)** Int. Cl.  
**A01D 89/00** ( 2006.01 )  
**(31)** 202010184574.4 **(32)** 17.03.20 **(33)** CN  
**(45)** 18.03.2021  
**(72)** Liu, Di; He, Xinmiao; Feng, Yanzhong; Wang, Wentao; Chen, Heshu; Liu, Zhi-guang; Zhang, Haifeng; Tian, Ming; Wu, Saihui; Yu, Xiaolong; Qi, Meiyu; He, Haijuan; Wang, Xin  
**(74)** Bryan Liang

**(71)** Institute of Grain Crops, Yunnan Academy of Agricultural Sciences; Institute of Quality Standards and Testing Technology, Yunnan Academy of Agricultural Sciences  
**(11)** AU-A-2020104373  
**(21)** 2020104373 **(22)** 29.12.2020  
**(54)** DNA Molecular Method for Identifying Yunrui Series of Maize varieties  
**(51)** Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
**A01H 1/04** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Zhang, Jianhua; Li, Xiaolin; Zhang, Peng; Guan, Junjiao; Li, Sheping; Yang, Xiaohong; Ma, Furong; Li, Yangang  
**(74)** Alder IP Pty Ltd

**(71)** Institute of Plant Protection, Chinese Academy of Agricultural Sciences  
**(11)** AU-A-2020104396  
**(21)** 2020104396 **(22)** 30.12.2020  
**(54)** Gossypium hirsutum GhWRKY74 Protein and Encoding Gene and Applications Thereof  
**(51)** Int. Cl.  
**C12N 15/29** ( 2006.01 )  
**C07K 14/415** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Jian, Guiliang; He, Lang; Lu, Meiguang  
**(74)** Alder IP Pty Ltd

**Institute of Quality Standards and Testing Technology, Yunnan Academy of Agricultural Sciences see Institute of Grain Crops, Yunnan Academy of Agricultural Sciences**

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**(71)** Institute of Tropical Bioscience and Biotechnology, Chinese Academy of Tropical Agricultural Sciences  
**(11)** AU-A-2020104316  
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**(54)** A method for identifying the two DNA2 components of BBTv and its applications  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
**C12Q 1/686** ( 2018.01 )  
**C12Q 1/6888** ( 2018.01 )  
**(45)** 18.03.2021  
**(72)** Yu, Naitong; Liu, Zhixin  
**(74)** Alder IP Pty Ltd

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**(21)** 2020104346

**Israr, M. see Naaz, S.**  
**(21)** 2021100022

**J, V.R. see M., H.**  
**(21)** 2020103621

**J, G. see Krishna, P.V.**  
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**J, S.K. see PAREEK, P.K.**  
**(21)** 2021100004

**Jain, H. see Panda, R.C.**  
**(21)** 2020104340

**Jamader, A.R. see Acharya, B.**  
**(21)** 2020104345

**Jamader, A.R. see Goyal, R.K.**  
**(21)** 2020104346

**Jamader, A.R. see Naaz, S.**  
**(21)** 2021100022

**(71)** Jiangsu Academy of Marine Resources Development (Lianyungang), Jiangsu Ocean University  
**(11)** AU-A-2020104342  
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**(54)** A Method of Inhibition of the Growth of Microcystis aeruginosa by using Non-ribosomal Peptide Metabolites  
**(51)** Int. Cl.  
**C02F 3/34** ( 2006.01 )  
**A01N 63/22** ( 2020.01 )

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**(72)** Yang, Jie; Cui, Zihang; Xu, Feng; Zhu, Qingzheng; Lu, Jing; Fang, Yaowei; Wang, Shujun; Lu, Zhaoxin  
**(74)** Alder IP Pty Ltd

**(71)** Jiangsu Academy of Marine Resources Development (Lianyungang), Jiangsu Ocean University  
**(11)** AU-A-2020104357  
**(21)** 2020104357 **(22)** 28.12.2020  
**(54)** Preparation Method of Bio-based Calcium Phosphate 3D Printing Ceramic Slurry for DIW Technology  
**(51)** Int. Cl.  
**B29C 64/165** ( 2017.01 )  
**A61L 27/12** ( 2006.01 )  
**B28B 1/00** ( 2006.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 70/00** ( 2020.01 )  
**C04B 35/447** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Ding, Yunfei; Yan, Yu; Jing, Rongsen; Chen, Junhua; Chen, Jinsong; Yang, Jianming; Peng, Zixu; Wen, Ma  
**(74)** Alder IP Pty Ltd

**(71)** Jiangsu Institute of Parasitic Diseases  
**(11)** AU-A-2020104360  
**(21)** 2020104360 **(22)** 28.12.2020  
**(54)** Q-PCR PRIMERS, METHOD AND KIT FOR IDENTIFYING ONCOMELANIA HUPENSIS INFECTED BY SCHISTOSOMA JAPONICUM  
**(51)** Int. Cl.  
**C12Q 1/6888** ( 2018.01 )  
**C12Q 1/6851** ( 2018.01 )  
**C12Q 1/686** ( 2018.01 )  
**(45)** 18.03.2021  
**(72)** HUANG, Yuzheng; LIU, Kun; WU, Hongchu; LI, Wei; ZHANG, Jianfeng; ZHANG, Ying; XIONG, Chunrong  
**(74)** Armour IP Pty Ltd

**(71)** Jilin University  
**(11)** AU-A-2020104302  
**(21)** 2020104302 **(22)** 24.12.2020  
**(54)** Target and Hemoglobin Bispecific Immune Complex and Preparation and Detection Method Thereof  
**(51)** Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**G01N 33/537** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Li, Dong; Cui, Weiwei  
**(74)** Chrysilio IP

**(71)** Jinan University  
**(11)** AU-A-2020104317  
**(21)** 2020104317 **(22)** 24.12.2020  
**(54)** Method for Making personalized degradable metal stent or internal fixing device based on 3D printing  
**(51)** Int. Cl.  
**B29C 33/38** ( 2006.01 )  
**A61B 17/68** ( 2006.01 )  
**A61F 2/82** ( 2013.01 )

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**B22D 30/00** ( 2006.01 )  
**B33Y 50/02** ( 2015.01 )  
**B33Y 80/00** ( 2015.01 )  
**C22C 18/00** ( 2006.01 )
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(72) WANG, Xiaojian; SHENG, Yinying; LI, Wei  
(74) James & Wells Intellectual Property
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(21) 2020103907 (22) 05.12.2020  
(54) SMART TRAFFIC CONTROL FOR EMERGENCY VEHICLES USING INTERNET OF THINGS AND IMAGE PROCESSING  
(51) Int. Cl.  
**G08G 1/087** ( 2006.01 )  
(45) 18.03.2021  
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(74) Blessen Skariah Thomas
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- Jothiprakash, V. see Veeraiah, D.  
(21) 2021100011
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- K, S. see K K, R.  
(21) 2020104301
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- K., R. see M., H.  
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(21) 2020103621
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(21) 2020104364
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- Kakde, A.A. see Panda, R.C.  
(21) 2020104340
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- Kalidindi, S.V. see Tumula, D.P.  
(21) 2020103375
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- Kannan, G. see Dekate, H.M.  
(21) 2021100000
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- Kanthamma, B. see Tumula, D.P.  
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(21) 2020104352
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(11) AU-A-2021100003  
(21) 2021100003 (22) 01.01.2021  
(54) A DEEP TRANSPORTATION MODEL TO PREDICT THE HUMAN MOBILITY FOR AUTONOMOUS VEHICLE  
(51) Int. Cl.  
**G08G 1/01** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
**G06N 3/04** ( 2006.01 )  
(45) 18.03.2021  
(72) Kashem, Saad Bin Abul; Arularasu, S.; Gurusamy, M.; Suman, Gandi; Rani, Sita; Abbas, S.Mohamed; Chakrabarti, Tulika; Hati, Ananda Shankar; H.N, Reddappa; Nagarajan, S.; Selvakanmani, S.; Chakrabarti, Prasun  
(74) Saad Bin Abul Kashem
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(21) 2020103242
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- Kesarwani, A.K. see Reddy , L.V.  
(21) 2020104380
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- Kiran, V. see Reddy , L.V.  
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- Kirubakaran, S.S. see Mahendran, S.  
(21) 2021100001
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- (71) K K, R.; M, P.; K, S.; B, M.; M, S.; S, V.; T, A.K.; T, A.; P, P.; S, L.; G, N.; A, S.K.  
(11) AU-A-2020104301  
(21) 2020104301 (22) 23.12.2020  
(54) AUTOMATED GARBAGE COLLECTION METHOD FOR SMART CITIES  
(51) Int. Cl.  
**B65F 1/00** ( 2006.01 )  
**B65F 3/00** ( 2006.01 )  
(45) 18.03.2021  
(72) K K, RAMAMSAMY; M, PREMKUMAR; K, SELVI; B, MURALIBABU; M, SUDHA; S, VIJAYAKUMAR; T, ARUN KUMAR; T, ARUNA; P, PERIYATHAMBI; S, LOGANATHAN; G, NANDHAKUMAR; A, SURESH KUMAR  
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(21) 2020104081
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(11) AU-A-2020104379  
(21) 2020104379 (22) 29.12.2020  
(54) Water Management Technology: Smart City Waste Water Management Using IoT- Based System  
(51) Int. Cl.  
**G06Q 50/06** ( 2012.01 )  
(45) 18.03.2021  
(72) Krishna, P. Venkata; Indumathi, J.; J, Gitanjali; N, Asha; Tanwar, Narinder; Nigam, Ashutosh; Kumar Bharti, Rajendra; Kumar Singh, Pawan; B. Chordiya, (Dr.) S.; Raj, (Dr.) Beg  
(74) P. Venkata Krishna
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- Krishna Mishra, S.R. see Panda, R.C.  
(21) 2020104359
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- Kumar, P. see Bhaskaran, R.  
(21) 2020103242
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- Kumar, D. see Bhaskaran, R.  
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(21) 2020103375
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- Kumar, M. see Bansal, M.  
(21) 2020103520
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- Kumar, M. see Bansal, M.  
(21) 2020103520
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(21) 2020103852
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(21) 2020104359

**Kumar, A. see Reddy, L.V.**  
(21) 2020104380

**Kumar, S. see Pinjarkar, L.**  
(21) 2020104385

**Kumar, T. see Veeraiah, D.**  
(21) 2021100011

**Kumar Bharti, R. see Krishna, P.V.**  
(21) 2020104379

**Kumar Dhanaraj, R. see Johri, P.**  
(21) 2020103907

**Kumar Nagwanshi, K. see Pinjarkar, L.**  
(21) 2020104385

**Kumar Nath, S. see Reddy, L.V.**  
(21) 2020104380

**Kumar Singh, P. see Krishna, P.V.**  
(21) 2020104379

**Kumar Singh, P. see Reddy, L.V.**  
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**Kumar Soni, A. see Pinjarkar, L.**  
(21) 2020104385

**Kumar Srivastava, S. see Johri, P.**  
(21) 2020103907

**Lakshmi, K.V. see Anupama, C.**  
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(71) Lanzhou University of Technology  
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(21) 2020104391 (22) 30.12.2020  
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(51) Int. Cl.  
A01G 9/029 (2018.01)  
A01G 24/12 (2018.01)  
A01G 24/22 (2018.01)  
A01G 24/44 (2018.01)  
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(71) Li, P.  
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(21) 2020104361 (22) 28.12.2020  
(54) DENTAL FLOSS STICK  
(51) Int. Cl.  
A61C 15/04 (2006.01)  
(31) 202020029692.3 (32) 08.01.20 (33) CN  
(45) 18.03.2021  
(72) Li, Peng  
(74) Bryan Liang

**Liaoning Technical University see Shenyang University**  
(21) 2020104397

(71) Luoyang Institute of Science and Technology  
(11) AU-A-2020104402  
(21) 2020104402 (22) 30.12.2020  
(54) HIGH-EFFICIENCY TWO-TONE DIMMING LED STREET LAMP BASED ON MESOPIC VISION  
(51) Int. Cl.  
F21K 9/00 (2016.01)  
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(74) Bryan Liang

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**M, S. see K K, R.**  
(21) 2020104301

**M, V. see PAREEK, P.K.**  
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(21) 2020103621 (22) 24.11.2020  
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G06Q 50/20 (2012.01)  
G06F 16/26 (2019.01)  
G06N 20/00 (2019.01)  
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(51) Int. Cl.  
G06Q 10/04 (2012.01)  
G01W 1/10 (2006.01)  
G06N 5/02 (2006.01)  
G06N 7/00 (2006.01)  
G06F 16/906 (2019.01)  
G06N 3/08 (2006.01)  
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(51) Int. Cl.  
G06T 17/05 (2011.01)  
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(74) S. Mahendran

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G01C 1/10 (2006.01)  
G06N 20/00 (2019.01)  
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 (74) ARSHAD MOHAMMED

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 (21) 2020104352

Mandal(Vijayvergiya), R. see Rajakumar, M.P.  
 (21) 2020104365

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 (21) 2020104380

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(71) Murdock, P.  
 (11) AU-A-2021100013  
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 (54) Deep Assay  
 (51) Int. Cl.  
 G01N 33/24 ( 2006.01 )  
 G01V 99/00 ( 2009.01 )

G01N 1/28 ( 2006.01 )  
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 (51) Int. Cl.  
 G05B 15/02 ( 2006.01 )  
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 (21) 2021100022

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 (21) 2021100002

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 G01N 33/2028 ( 2019.01 )  
 B01J 13/20 ( 2006.01 )  
 B82Y 30/00 ( 2011.01 )  
 B82Y 40/00 ( 2011.01 )  
 C01B 33/146 ( 2006.01 )  
 C08J 3/21 ( 2006.01 )  
 C08J 3/24 ( 2006.01 )

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(71) Nanjing Forestry University  
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(51) Int. Cl.  
 A61K 36/52 ( 2006.01 )  
 A61K 31/045 ( 2006.01 )  
 A61K 36/076 ( 2006.01 )  
 A61K 36/236 ( 2006.01 )  
 A61K 36/42 ( 2006.01 )  
 A61K 36/48 ( 2006.01 )  
 A61K 36/481 ( 2006.01 )  
 A61K 36/533 ( 2006.01 )  
 A61K 36/535 ( 2006.01 )  
 A61K 36/708 ( 2006.01 )  
 A61K 36/734 ( 2006.01 )  
 A61K 36/884 ( 2006.01 )  
 A61K 36/896 ( 2006.01 )  
 A61K 36/8994 ( 2006.01 )  
 A61K 36/9068 ( 2006.01 )  
 A61P 3/04 ( 2006.01 )

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 (51) Int. Cl.  
 C02F 9/00 ( 2006.01 )  
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 C02F 1/72 ( 2006.01 )

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 (21) 2020104356 (22) 28.12.2020  
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 (51) Int. Cl.  
 G01N 33/535 ( 2006.01 )  
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 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
*G01V 99/00* ( 2009.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.

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 (51) Int. Cl.  
*B43L 1/02* ( 2006.01 )  
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 (21) 2020104124 (22) 16.12.2020  
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 (51) Int. Cl.  
*G06N 3/08* ( 2006.01 )  
*H04N 5/225* ( 2006.01 )  
*H04N 7/18* ( 2006.01 )  
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 (51) Int. Cl.  
*A01G 9/24* ( 2006.01 )  
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 (21) 2020104359 (22) 28.12.2020  
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 (51) Int. Cl.  
*C02F 1/28* ( 2006.01 )  
*B01D 39/06* ( 2006.01 )  
*B01J 20/16* ( 2006.01 )  
*B01J 20/30* ( 2006.01 )  
 (45) 18.03.2021

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 Chandrakar, Rituraj; Krishna Mishra, Sri  
 Ram  
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 (21) 2020104345

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 (21) 2020104380

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 (21) 2020103765

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 (11) AU-A-2021100004  
 (21) 2021100004 (22) 01.01.2021  
 (54) Robo: Care Taker  
 (51) Int. Cl.  
*A63H 17/32* ( 2006.01 )  
*A63H 5/00* ( 2006.01 )  
*G09B 19/04* ( 2006.01 )  
 (45) 18.03.2021  
 (72) T M, Rajesh; S G, Shaila; VENKATA-  
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 PAREEK, PIYUSH KUMAR  
 (74) PIYUSH KUMAR PAREEK

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**Patil, M.B. see Chakrabarti, T.**  
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(21) 2021100000

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(21) 2020104339 (22) 24.12.2020  
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(51) Int. Cl.  
**C02F 3/32** ( 2006.01 )  
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**A01G 25/16** ( 2006.01 )  
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(74) Latika Pinjarkar

(71) Polyplas International Pty Ltd  
(11) AU-A-2020104330  
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(54) System for Suspending Elongate Service Components  
(51) Int. Cl.  
**H02G 3/00** ( 2006.01 )  
**F16L 3/11** ( 2006.01 )

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(62) 2018271230  
(72) Luscombe, Peter  
(74) Argon IP Advisory Pty Ltd

**Pradhan, R. see Mallick, P.**  
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(21) 2020104364 (22) 29.12.2020  
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(51) Int. Cl.  
**H04W 12/06** ( 2021.01 )  
**G06F 16/901** ( 2019.01 )  
**G06F 21/44** ( 2013.01 )  
**G16H 10/60** ( 2018.01 )  
**G16H 10/65** ( 2018.01 )  
**H04W 4/38** ( 2018.01 )  
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(74) S Jaya Prakash

**Prasad, S.D.V. see Tumula, D.P.**  
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**Prusty, A. see Bhaskaran, R.**  
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**C08L 75/04** ( 2006.01 )  
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(74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Qingdao Agricultural University  
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(21) 2020104376 (22) 29.12.2020  
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(51) Int. Cl.  
**C12N 15/29** ( 2006.01 )  
**A01N 37/46** ( 2006.01 )  
**A01N 63/14** ( 2020.01 )  
**C12N 15/10** ( 2006.01 )  
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(45) 18.03.2021  
(72) Shi, Yan; Li, Linyu; Li, Hao; Liu, Xiaolan; Yang, Chunhong; Liu, Tongxi-an  
(74) Xiaoyan Zou

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(21) 2021100022

**Rai, J. see Goyal, S.B.**  
(21) 2020103648

(71) Raikar, R.  
(11) AU-A-2020104349  
(21) 2020104349 (22) 26.12.2020  
(54) AN AUTONOMOUS CAPSULE MAKER AND FILLER AND A METHOD OF MAKING CAPSULES THEREIN  
(51) Int. Cl.  
**A61J 3/07** ( 2006.01 )  
**B29C 44/02** ( 2006.01 )  
**B29C 45/12** ( 2006.01 )  
**B29C 45/26** ( 2006.01 )  
(45) 18.03.2021  
(72) Raikar, Raj; Nemade, Milind  
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(21) 2020104379

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(11) AU-A-2020103852

(21) 2020103852 (22) 02.12.2020

(54) An apparatus and method for remotely monitoring an aquatic animal and classification thereof

(51) Int. Cl.

**B63G 8/00** ( 2006.01 )

**B63G 8/38** ( 2006.01 )

**G01D 21/00** ( 2006.01 )

**G01P 13/00** ( 2006.01 )

**G06K 9/46** ( 2006.01 )

**G06N 3/08** ( 2006.01 )

**G08B 21/00** ( 2006.01 )

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(11) AU-A-2020104365

(21) 2020104365 (22) 29.12.2020

(54) An Efficient Power Distribution Based on IOT-Fog Resource for Effective Proxy Negotiation for Traffic Reduction

(51) Int. Cl.

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**H04W 4/38** ( 2018.01 )

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(74) M P Rajakumar

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(21) 2020104352

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(11) AU-A-2020104378

(21) 2020104378 (22) 29.12.2020

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(51) Int. Cl.

**C10G 1/10** ( 2006.01 )

**B01D 3/00** ( 2006.01 )

**B01D 5/00** ( 2006.01 )

**B07C 5/34** ( 2006.01 )

**B29B 17/02** ( 2006.01 )

**B29B 17/04** ( 2006.01 )

**C10B 53/07** ( 2006.01 )

**C10L 1/04** ( 2006.01 )

(45) 18.03.2021

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(74) RAMA RAJU BENDI

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(21) 2020104385

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(21) 2021100003

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(21) 2020104378

**Ranjith Kumar, R. see Dekate, H.M.**

(21) 2021100000

**RASVEEN see Raja, R.**

(21) 2020103852

**Ravi Kumar, N. see Chakrabarti, T.**

(21) 2020104352

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(21) 2021100001

(71) Reddy, L.V.; Kiran, V.; Pandit, (.J.); Mathur, B.; Kesarwani, A.K.; Kumar, A.; Kumar Nath, S.; Chordiya, (.S.B.); Raj, (.B.); Kumar Singh, P.

(11) AU-A-2020104380

(21) 2020104380 (22) 29.12.2020

(54) Extraction Silica: Method and Technique to Extraction Silica (Dry Rice Hulls) Using Machine /Deep Learning Programming

(51) Int. Cl.

**C01B 33/158** ( 2006.01 )

**C01B 21/068** ( 2006.01 )

**C01B 33/22** ( 2006.01 )

**C01B 33/32** ( 2006.01 )

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(74) L. Venkateswara Reddy

(71) Ripple Mining Pty Ltd; Wall, S.; Wall, K.

(11) AU-A-2020104398

(21) 2020104398 (22) 30.12.2020

(54) Wallock - Personal Isolation Lock

(51) Int. Cl.

**G07C 9/00** ( 2020.01 )

(45) 18.03.2021

(72) Wall, Steven; Wall, Kerensa

(74) Steven Wall

**Rout, S. see Bhaskaran, R.**

(21) 2020103242

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(21) 2020104340

**Rout, S. see Dekate, H.M.**

(21) 2021100000

**Rout, S. see Mahendran, S.**

(21) 2021100002

(71) Rupa, C.; Chakravarthy, A.S.N.; Shaik, I.; Vinay, K.

(11) AU-A-2020103943

(21) 2020103943 (22) 08.12.2020

(54) A SYSTEM AND A METHOD FOR PREVENTING THEFT USING BLOCK-CHAIN TECHNOLOGY

(51) Int. Cl.

**B60R 25/10** ( 2013.01 )

**B60R 25/24** ( 2013.01 )

**B60R 25/25** ( 2013.01 )

**B60R 25/30** ( 2013.01 )

**G06K 9/00** ( 2006.01 )

**G08B 13/14** ( 2006.01 )

**H04L 9/32** ( 2006.01 )

(45) 18.03.2021

(72) Rupa, Ch.; Chakravarthy, A S N; Shaik, Irfan; Vinay, Koneru

(74) Ch. Rupa

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(21) 2020104301

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(21) 2020103621

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(21) 2021100002

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(21) 2020104365

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(21) 2020104124

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(21) 2020103907

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(21) 2020104298

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(21) 2020103242

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Sawle, Y. see Rajakumar, M.P.  
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Selvakanmani, S. see Kashem, S.B.A.  
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(71) Sericultural & Agri-Food Research Institute Guangdong Academy of Agricultural Sciences

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(51) Int. Cl.

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A23L 17/20 ( 2016.01 )  
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(74) WEN JI HE

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Shaik, M. see Mallick, P.  
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(71) Shandong Marine resources and environment institute

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(71) Shandong Peanut Research Institute  
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A01N 43/12 ( 2006.01 )  
A01N 43/38 ( 2006.01 )  
C05B 13/02 ( 2006.01 )  
C05C 3/00 ( 2006.01 )

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C05G 3/00 ( 2020.01 )

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A61K 36/82 ( 2006.01 )  
A61K 38/56 ( 2006.01 )  
A61P 9/12 ( 2006.01 )  
C07K 1/34 ( 2006.01 )  
C07K 14/415 ( 2006.01 )

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(72) Xu, Jianchao ZHOU, HaiLong  
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see Shanghai Jiao Tong University  
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HaiLong  
(74) Remarkable IP
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Co., Ltd.  
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(51) Int. Cl.  
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H04R 1/02 ( 2006.01 )  
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Co., Ltd.  
(11) AU-A-2020104329  
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(54) TAMBOURINE LOUDSPEAKER  
(51) Int. Cl.  
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H04R 1/00 ( 2006.01 )  
H04R 3/00 ( 2006.01 )  
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ZHOU, HaiLong  
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Co., Ltd.  
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SPEAKER  
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G02B 5/10 ( 2006.01 )  
F21V 33/00 ( 2006.01 )  
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ZHOU, HaiLong  
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Ltd  
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(74) Bryan Liang
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TIONS  
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Xi; Pan, Yuanzhi; Long, Xiaoying  
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(51) Int. Cl.  
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PCR test kit and method for detection of  
duck hepatitis A virus type 1  
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Qin  
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(54) A Combined Culture Shelf for Dendrobi-  
um Cultivation  
(51) Int. Cl.  
A01G 9/029 ( 2018.01 )  
A01G 9/02 ( 2018.01 )  
A01G 9/24 ( 2006.01 )  
A01G 13/02 ( 2006.01 )  
A01G 22/63 ( 2018.01 )  
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an; Zhao, Juan; Yang, Kaigang; Wu,  
Shengdi; Zhang, Jiao  
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**(54)** A method and system of axle information identification and early alarm based on bridge transverse strain  
**(51)** Int. Cl.  
**B61L 23/00** ( 2006.01 )  
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**(74)** Alder IP Pty Ltd
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- (71)** Sichuan Agricultural University  
**(11)** AU-A-2020104336  
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**(51)** Int. Cl.  
**C12Q 1/689** ( 2018.01 )  
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**(72)** Wang, Mingshu; Qiu, Hao; Cheng, Anchun  
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- (71)** Sichuan Agricultural University  
**(11)** AU-A-2020104372  
**(21)** 2020104372 **(22)** 29.12.2020  
**(54)** AN EFFECTIVE SEEDLING HARDENING MATRIX FOR PROMOTING CORN CALLUS SEEDLING GROWTH  
**(51)** Int. Cl.  
**A01C 1/06** ( 2006.01 )  
**A01G 22/00** ( 2018.01 )  
**A01N 43/90** ( 2006.01 )  
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**(72)** Shen, Yaou; Ma, Langlang  
**(74)** Alder IP Pty Ltd
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**(11)** AU-A-2020104374  
**(21)** 2020104374 **(22)** 29.12.2020  
**(54)** A Kind of Dendrobium Planting Net Bag  
**(51)** Int. Cl.  
**A01G 9/02** ( 2018.01 )  
**A01G 22/63** ( 2018.01 )  
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**(51)** Int. Cl.  
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**A61K 31/04** ( 2006.01 )  
**A61K 31/722** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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**(45)** 18.03.2021  
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**(21)** 2020104346
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**(21)** 2020103648
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**(21)** 2020103907
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- Singh, G. see Veeraiah, D.**  
**(21)** 2021100011
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- Singh Kushwaha, A.K. see Pinjarkar, L.**  
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**(21)** 2020104081
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- Sivaraman, A.K. see Mahendran, S.**  
**(21)** 2021100001
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- (71)** Southwest University  
**(11)** AU-A-2020103964  
**(21)** 2020103964 **(22)** 09.12.2020  
**(54)** An integrated system for gas sensing and ultraviolet detecting  
**(51)** Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**G01D 21/02** ( 2006.01 )  
**G01N 27/04** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Chu, Jin; Peng, Xiaoyan; Duan, Shukai; Wang, Lidan  
**(74)** JIN CHU
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**(21)** 2021100004
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- Sridharan, K. see Mahendran, S.**  
**(21)** 2021100001
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- Srikanth Vemuri, R.S.S. see RAJU BENDI, R.**
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- Srinivas, P. see Anupama, C.**  
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- Srinivas, M. see Anupama, C.**  
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- SUBHANRAO BHADADE, R. see DAMODAR ANUSE, A.**  
**(21)** 2020104298
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- Sudhir, A. see Tumula, D.P.**  
**(21)** 2020103375
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- Suman, G. see Kashem, S.B.A.**  
**(21)** 2021100003
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- Sundaram, S. see Selvaperumal, S.**  
**(21)** 2020104350
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- Sundari, M.S.S. see Selvaperumal, S.**  
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- Swain, P.K. see Panda, R.C.**  
**(21)** 2020104359
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- Swarupa, P. see Bhaskaran, R.**  
**(21)** 2020103242
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- T, A.K. see K K, R.**  
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- T, A. see K K, R.**  
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**(21)** 2020104364
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- Tanwar, N. see Krishna, P.V.**  
**(21)** 2020104379
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**(54)** Floor cleaner  
**(51)** Int. Cl.

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**A47L 9/12** ( 2006.01 )  
**A47L 11/20** ( 2006.01 )  
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**(45)** 18.03.2021  
**(72)** PAULLA, Kirti Kant; DAWSON, Michael  
 Paul; LYDIC, Don; DAVILA, Rafael  
**(74)** Griffith Hack

**(71)** The Affiliated Hospital of Youjiang Med-  
 ical University for Nationalities  
**(11)** AU-A-2020104408  
**(21)** 2020104408 **(22)** 31.12.2020  
**(54)** An application of rs3216733 and  
 rs391957 site mutation markers of GRP  
 78 gene in the preparation of diagnostic  
 reagent for asthenospermia  
**(51)** Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
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 Shen; Liao, Biyun; Meng, Xianzong;  
 Qin, Haimei  
**(74)** Alder IP Pty Ltd

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**(21)** 2021100001

**T M, R. see PAREEK, P.K.**  
**(21)** 2021100004

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 ited  
**(11)** AU-A-2018102200  
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**(54)** Vacuum cleaner  
**(51)** Int. Cl.  
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**(72)** ZHOU, Rong; KHALIL, David  
**(74)** Griffith Hack

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 V.; Garapati, Y.; Batta, K.B.; Prasad,  
 S.D.V.; Bhima, R.T.; Kanthamma, B.;  
 Sudhir, A.; Kumar, N.V.S.V.V.  
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**(54)** Speckle Denoising System for Ultra-  
 sound Images with Framelet Transform  
 and Gaussian Filter  
**(51)** Int. Cl.  
**G06T 5/10** ( 2006.01 )  
**G16H 30/40** ( 2018.01 )  
**(45)** 18.03.2021  
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 Sandeep Varma; Sangeeta, V.; Gar-  
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 Prasad, Srisailapu D. Vara; Bhima, Ravi

Teja; Kanthamma, B.; Sudhir, A. Ch;  
 Kumar, N. V. S. V. Vijay  
**(74)** Patentable

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**Umamaheswari, K. see Anupama, C.**  
**(21)** 2020103799

**(71)** University of Science and Technology  
 Beijing  
**(11)** AU-A-2020104368  
**(21)** 2020104368 **(22)** 29.12.2020  
**(54)** Cement Filling Material for Co-solidify-  
 ing Antimony and Preparation Method  
 Thereof  
**(51)** Int. Cl.  
**C04B 18/04** ( 2006.01 )  
**B09B 1/00** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
**C04B 14/06** ( 2006.01 )  
**C04B 18/02** ( 2006.01 )  
**C04B 24/08** ( 2006.01 )  
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**C04B 28/14** ( 2006.01 )

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**(72)** Ni, Wen; Gao, Wei; Li, Yunyun; Wang,  
 Ke; Yan, Qihui; Zhang, Yuying  
**(74)** Alder IP Pty Ltd

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**(21)** 2021100004

**(71)** V.Chitre, A.; S.Abhyankar, A.  
**(11)** AU-A-2020104383  
**(21)** 2020104383 **(22)** 29.12.2020  
**(54)** PROJECTION FILTER BASED UNI-  
 VERSAL FRAMEWORK TO MATCH  
 THE MUSICAL NOTES OF SYNTHES-  
 IZER AND INDIAN CLASSICAL IN-  
 STRUMENTS  
**(51)** Int. Cl.  
**G10H 7/00** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** V.Chitre, Abhijit; S.Abhyankar, Aditya  
**(74)** Abhijit V.Chitre

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 ANUSE, A.**  
**(21)** 2020104298

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**(21)** 2020104384

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 Singh, G.; Kumar, T.; Boddu, R.; Dutta,

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**(21)** 2021100011 **(22)** 03.01.2021  
**(54)** A Novel Method of Big Data Retrieval  
 System using Machine Learning  
**(51)** Int. Cl.  
**G06F 16/242** ( 2019.01 )  
**G06K 9/00** ( 2006.01 )  
**G06K 9/32** ( 2006.01 )  
**G06K 9/62** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 5/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**(45)** 18.03.2021  
**(72)** Veeraiah, Duggineni; Sambana, Bosub-  
 abu; Pal, Shelendra; Singh, Gavendra;  
 Kumar, Tarun; Boddu, Rajasekhar;  
 Dutta, Pijush; Deepthi, T.; Jothiprakash,  
 V.M.; Chaitanya, M.  
**(74)** Patentable

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**(21)** 2021100000

**VENKATAPUR, R.B. see PAREEK, P.K.**  
**(21)** 2021100004

**Verma, D. see Rajakumar, M.P.**  
**(21)** 2020104365

**Verma, U. see Pinjarkar, L.**  
**(21)** 2020104385

**VIJAYKUMAR CHITRE, A. see DAMODAR  
 ANUSE, A.**  
**(21)** 2020104298

**Vinay, K. see Rupa, C.**  
**(21)** 2020103943

**V T, N. see P.S, V.**  
**(21)** 2020104124

**(71)** W.C HORTILANO & W.M HORTILANO  
 & W HORTILANO  
**(11)** AU-A-2021100008  
**(21)** 2021100008 **(22)** 02.01.2021  
**(54)** 60mm Height Ballrace 1000x1000 Use  
 in Truck and Trailer with Double Bear-  
 ing Upper bearing for Support and Cen-  
 ter ball for Retaining ball Typical used  
 as Base of Fifth -Wheel  
**(51)** Int. Cl.  
**B62D 53/08** ( 2006.01 )  
**F16C 19/18** ( 2006.01 )  
**F16C 33/66** ( 2006.01 )  
**(45)** 18.03.2021  
**(72)** Hortilano, Wilfredo C.; Hortilano, Will-  
 myr; Hortilano, Wilfredo M.  
**(74)** W.C HORTILANO & W.M HORTILANO  
 & W HORTILANO

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**Wall, S. see Ripple Mining Pty Ltd**  
(21) 2020104398

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**Wall, K. see Ripple Mining Pty Ltd**  
(21) 2020104398

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(71) WANG, Y.  
(11) AU-A-2020104303  
(21) 2020104303 (22) 24.12.2020  
(54) HIGH-TEMPERATURE IN-SITU SUP-  
PORTING METHOD FOR COAL COM-  
BUSTION  
(51) Int. Cl.  
*F23G 5/44* ( 2006.01 )  
*B01J 23/92* ( 2006.01 )  
(31) 201911353391.4 (32) 25.12.19 (33) CN  
(45) 18.03.2021  
(72) GONG, Zhijun; WANG, Yan  
(74) AJ Pietras IP Limited

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**Wazir, S. see Naaz, S.**  
(21) 2021100022

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(71) WOM-BATT PTY LTD  
(11) AU-A-2020104309  
(21) 2020104309 (22) 24.12.2020  
(54) RECHARGEABLE BATTERY UNIT  
(51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
*H05K 5/06* ( 2006.01 )  
(45) 18.03.2021  
(72) Scott Graham, Leishman  
(74) Pizeys Patent and Trade Mark Attor-  
neys Pty Ltd

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(71) XUZHOU UNIVERSITY OF TECHNO-  
LOGY  
(11) AU-A-2021100014  
(21) 2021100014 (22) 03.01.2021  
(54) SINGLE PUMP SOURCE LOAD PORT  
INDEPENDENT LOAD SENSITIVE EN-  
ERGY SAVING HYDRAULIC SYSTEM  
OF EXCAVATOR  
(51) Int. Cl.  
*F15B 21/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*F15B 11/16* ( 2006.01 )  
(31) 202011548461.4 (32) 24.12.20 (33) CN  
(45) 18.03.2021  
(72) LIU, Chengqiang; SUN, Tao; ZHANG,  
Lei; HAN, Xiang; SONG, Wei; MA, Xili-  
ang; LIU, Lei; YU, Ping; SUN, Jian  
(74) FOUNDRY INTELLECTUAL PROP-  
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(21) 2020104346

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**Yadav, G.S. see Naaz, S.**  
(21) 2021100022

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(71) Zhejiang Academy of Agricultural Sci-  
ences  
(11) AU-A-2020104324  
(21) 2020104324 (22) 24.12.2020  
(54) Nitrogen-free sausage and preparation  
method thereof  
(51) Int. Cl.  
*A23L 13/70* ( 2016.01 )  
*A23B 4/10* ( 2006.01 )  
*A23L 13/30* ( 2016.01 )  
*A23L 27/10* ( 2016.01 )  
(45) 18.03.2021  
(72) Chen, Lihong; Tang, Honggang; Chen,  
Yifan; Li, Huanhuan; Zhang, Jin; Chen,  
Yanwen  
(74) Bryan Liang

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(71) Zhejiang Academy of Forestry; Zheji-  
ang Tushengjin Agriculture Co., Ltd.  
(11) AU-A-2020104333  
(21) 2020104333 (22) 24.12.2020  
(54) STERILE COMPOST OF DICTYO-  
PHORA AND CULTURE SYSTEM  
THEREOF  
(51) Int. Cl.  
*A01G 17/00* ( 2006.01 )  
*A01C 21/00* ( 2006.01 )  
*A01G 22/00* ( 2018.01 )  
(31) 202011047954.X (32) 29.09.20 (33) CN  
(45) 18.03.2021  
(72) HU, Chuanjiu; WEI, Hailong; LIU, Dong-  
ming; ZHU, Lingqin; SONG, Qiyang; HU,  
Yang; CHENG, Junwen; HE, Liang; LI,  
Haibo  
(74) LEGALVISION ILP PTY. LTD.

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**Zhejiang Tushengjin Agriculture Co., Ltd.**  
**see Zhejiang Academy of Forestry**  
(21) 2020104333

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(71) Zunyi Normal University  
(11) AU-A-2020104308  
(21) 2020104308 (22) 24.12.2020  
(54) COMPOSITE BINDER FOR GRANU-  
LATION OF ORGANIC-INORGANIC  
COMPOUND FERTILIZER, AND PRE-  
PARATION METHOD AND APPLICA-  
TION THEREOF  
(51) Int. Cl.  
*C05G 5/12* ( 2020.01 )  
*C05B 19/00* ( 2006.01 )  
*C08K 3/34* ( 2006.01 )  
(45) 18.03.2021  
(72) Sui, Changling; Liu, Yanmin; Guan,  
Xiaoxi  
(74) Remarkable IP

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<b>2018102200</b>	TTi (Macao Commercial Offshore) Limited	<b>2020104320</b>	Institute of Agricultural Resources and Environment, Guangdong Academy of Agricultural Sciences; Guangdong Mingjing Biotechnology Co. Ltd
<b>2019101774</b>	Techtronic Floor Care Technology Limited	<b>2020104321</b>	Huzhou University
<b>2020103155</b>	QIHE LEAHOU CHEMICAL CO., LTD.	<b>2020104322</b>	Shenzhen Thousandshores Technology Co., Ltd.
<b>2020103242</b>	Bhaskaran, R.; Dekate, H.; Kumar, P.; Gurusamy, M.; Kumar, D.; Swarupa, P.; Sangale, M.; Katakam, S.; Rout, S.; Prusty, A.	<b>2020104323</b>	Sichuan Agricultural University
<b>2020103375</b>	Tumula, D.P.; Kalidindi, S.V.; Sangeeta, V.; Garapati, Y.; Batta, K.B.; Prasad, S.D.V.; Bhima, R.T.; Kanthamma, B.; Sudhir, A.; Kumar, N.V.S.V.V.	<b>2020104324</b>	Zhejiang Academy of Agricultural Sciences
<b>2020103520</b>	Bansal, M.; Kumar, M.; Kumar, M.; Kumar, K.	<b>2020104325</b>	Shenzhen Thousandshores Technology Co., Ltd.
<b>2020103549</b>	Shanghai Jiao Tong University; Shanghai Normal University; Shanghai Xiyuan Biotechnology Co., Ltd	<b>2020104326</b>	Shenzhen Thousandshores Technology Co., Ltd.
<b>2020103621</b>	M., H.; K.R., V.; K., R.; S. B., A.; J. V.R.	<b>2020104327</b>	Beijing University of Technology
<b>2020103648</b>	Goyal, S.B.; Bedi, P.; Kumar, J.; Rai, J.; Kumar, R.; Ankita; Singh, M.; Chahal, P.; Bura, D.; Babu Singh, R.	<b>2020104328</b>	Shenzhen Yikou Paper Products Co., Ltd
<b>2020103765</b>	Mallik, P.; Bhoi, A.K.; Pradhan, R.; Mishra, S.; Tripathy, H.K.; Panigrahi, R.; Parvathaneni, N.S.; Priyadarshi, N.; Shaik, M.; MOHAMMED, A.	<b>2020104329</b>	Shenzhen Thousandshores Technology Co., Ltd.
<b>2020103799</b>	Anupama, C.; Srinivas, P.; Srinivas, M.; Lakshmi, K.V.; Umamaheswari, K.; Swathi, N.; Anuradha, B.	<b>2020104330</b>	Polyplas International Pty Ltd
<b>2020103852</b>	Raja, R.; Mahmood, M.R.; Kumar, S.; Rani, S.; Bhatnagar, P.; RASVEEN; Kumar, M.; Nagaraju, R.; Mishra, M.; Raja, H.	<b>2020104331</b>	Dalian Polytechnic University
<b>2020103907</b>	Johri, P.; Samson Ebenezer, U.; Padmanandam, K.; Pillai, S.; Meshram, P.; Singh, A.; Kumar Dhanaraj, R.; Balusamy, B.; Kumar Srivastava, S.	<b>2020104332</b>	Shenzhen Thousandshores Technology Co., Ltd.
<b>2020103943</b>	Rupa, C.; Chakravarthy, A.S.N.; Shaik, I.; Vinay, K.	<b>2020104333</b>	Zhejiang Academy of Forestry; Zhejiang Tushengjin Agriculture Co., Ltd.
<b>2020103947</b>	Biology Institute of Shandong Academy of Sciences; Golden Star (Rizhao) Agricultural Science and Technology Development Co., Ltd.	<b>2020104334</b>	Guangxi Academy of Agricultural Sciences
<b>2020103964</b>	Southwest University	<b>2020104335</b>	Dalian Polytechnic University
<b>2020104081</b>	Bhargava, C.; Sharma, P.K.; Aggarwal, V.; Gupta, S.; Singla, V.K.; ., S.; Rani, U.; Krishan, B.; Bansal, B.N.; ., P.	<b>2020104336</b>	Sichuan Agricultural University
<b>2020104124</b>	P.S, V.; B., A.; Chiplunkar, N.; Takeshi, K.; Sajja, M.; Samantri, V.; V T, N.; Joshi, R.	<b>2020104337</b>	Shanghai Institute of Technology
<b>2020104190</b>	GRAPHIC ERA DEEMED TO BE UNIVERSITY	<b>2020104338</b>	CHANGSHA UNIVERSITY OF SCIENCE AND TECHNOLOGY; Guangxi University
<b>2020104283</b>	Sichuan Agricultural University	<b>2020104339</b>	Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences
<b>2020104298</b>	DAMODAR ANUSE, A.; SANDIP KUTE, R.; VIJAYKUMAR CHITRE, A.; PURUSHOTTAM PURNAYE, P.; SUBHANRAO BHADADE, R.; DINESH BHAT, P.; VAIBHAV MUNOT, M.	<b>2020104340</b>	Panda, R.C.; Dahiya, S.; Mullempwar, S.Y.; PANDIAN, P.P.; Gupta, M.; Rout, I.S.; Chand, L.; Gaur, S.; Kumar, B.; Jain, H.; B.S, P.; Kakde, A.A.; Bhattacharyya, S.
<b>2020104299</b>	Harbin Engineering University	<b>2020104341</b>	Nanchang Hangkong University
<b>2020104300</b>	Harbin Engineering University	<b>2020104342</b>	Jiangsu Academy of Marine Resources Development (Lianyungang), Jiangsu Ocean University
<b>2020104301</b>	K K, R.; M, P.; K, S.; B, M.; M, S.; S, V.; T, A.K.; T, A.; P, P.; S, L.; G, N.; A, S.K.	<b>2020104343</b>	Inner Mongolia Agricultural University
<b>2020104302</b>	Jilin University	<b>2020104344</b>	Inner Mongolia Agricultural University
<b>2020104303</b>	WANG, Y.	<b>2020104345</b>	Acharya, B.; Pandharbale, P.B.; Pradhan, M.R.; Mohapatra, A.; Samal, S.; Jamader, A.R.; Das, P.
<b>2020104304</b>	Sichuan Agricultural University	<b>2020104346</b>	Goyal, R.K.; Alam, M.A.; Yadav, D.; Siddiqui, F.; Sharma, L.; Israr, M.; Jamader, A.R.; Das, P.; Nafis, M.T.
<b>2020104305</b>	Sichuan Agricultural University	<b>2020104349</b>	Raikar, R.
<b>2020104308</b>	Zunyi Normal University	<b>2020104350</b>	Selvaperumal, S.; Sundari, M.S.S.; Sundaram, S.; Anand, A.
<b>2020104309</b>	WOM-BATT PTY LTD	<b>2020104351</b>	Shanghai Sunpai Trading Limited
<b>2020104310</b>	Shandong Peanut Research Institute	<b>2020104352</b>	Chakrabarti, T.; Patil, M.B.; Karthik, P.M.D.; Raju, M.D.; Satpathy, B.; Chakrabarti, P.; Hati, A.S.; Das, A.; Chhawchharia, P.; Mandal (Vijayvergiya), R.; Mishra, R.; Ravi Kumar, N.
<b>2020104311</b>	Heilongjiang Institute of Wood Science	<b>2020104356</b>	Nanjing Kanghe Institute of Cell Genetic Engineering Co., Ltd.
<b>2020104312</b>	Sichuan Agricultural University	<b>2020104357</b>	Jiangsu Academy of Marine Resources Development (Lianyungang), Jiangsu Ocean University
<b>2020104313</b>	Nanjing Forestry University	<b>2020104358</b>	Guizhou University
<b>2020104314</b>	Institute of Agricultural Resources and Environment, Shandong Academy of Agricultural Sciences; Shandong Provincial Geo-mineral Engineering Exploration Institute	<b>2020104359</b>	Panda, R.C.; Prakash, O.; B S, P.; Dubey, V.; Kulshreshtha, S.; Swain, P.K.; Mehta, K.S.; Goswami, S.; Aquatar, M.O.; Kumar, A.; Chandrakar, R.; Krishna Mishra, S.R.
<b>2020104315</b>	Heilongjiang Bayi Agricultural University	<b>2020104360</b>	Jiangsu Institute of Parasitic Diseases
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		<b>2020104364</b>	Prakash, S.J.; Haque, S.; Haque, M.A.; Kaithal, P.; Chakrabarti, P.; Gagnani, L.P.; Dey, B.; H.N, R.; Barot, M.P.; Perumal, S.; Tabassum, M.; Mohanan, S.
		<b>2020104365</b>	Rajakumar, M.P.; Behura, A.; Sairam, K.; Bhat, A.P.; Sawle, Y.; Bohre, A.K.; Verma, D.; Shekhar, S.; Chakra-

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<b>2020104366</b>	Huazhong Agricultural University		
<b>2020104367</b>	Beijing Beike Fangxing Environmental Protection Technology Co., Ltd.	<b>2021100013</b>	Murdock, P.
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<b>2020104373</b>	Institute of Grain Crops, Yunnan Academy of Agricultural Sciences; Institute of Quality Standards and Testing Technology, Yunnan Academy of Agricultural Sciences	<b>2021100022</b>	Naaz, S.; Ahad, M.A.; Nafis, M.T.; Wazir, S.; Rahmani, M.S.; Yadav, G.S.; Israr, M.; Jamader, A.R.; Goyal, R.K.; Das, P.
<b>2020104374</b>	Sichuan Agricultural University		
<b>2020104375</b>	First Affiliated Hospital of Xinjiang Medical University		
<b>2020104376</b>	Qingdao Agricultural University		
<b>2020104378</b>	RAJU BENDI, R.; Malla, R.; Dharmana, T.; Konni, M.; Naidu Bonnada, N.; Bavisetti, L.; Rani Routh, S.; Srikanth Vemuri, R.S.S.; Duvvuri, S.; Gouthamsri, S.		
<b>2020104379</b>	Krishna, P.V.; Indumathi, J.; J, G.; N, A.; Tanwar, N.; Nigam, A.; Kumar Bharti, R.; Kumar Singh, P.; B. Chordiya, (.S.; Raj, (.B.		
<b>2020104380</b>	Reddy, L.V.; Kiran, V.; Pandit, (.J.; Mathur, B.; Kesarwani, A.K.; Kumar, A.; Kumar Nath, S.; Chordiya, (.S.B.; Raj, (.B.; Kumar Singh, P.		
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<b>2020104384</b>	Nayyar, A.; Van Truong, T.		
<b>2020104385</b>	Pinjarkar, L.; Bonde, P.; Mohiddin, M.K.; Kumar Nagwanshi, K.; Verma, U.; Rani, S.; Kumar, S.; Kumar Soni, A.; Raja, R.; Singh Kushwaha, A.K.; Chandra Srivastava, S.		
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<b>2020104390</b>	Shandong Marine resources and environment institute		
<b>2020104391</b>	Lanzhou University of Technology		
<b>2020104392</b>	Fruitshop International Co., Ltd.		
<b>2020104393</b>	National Marine Environmental Monitoring Center		
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<b>2020104408</b>	The Affiliated Hospital of Youjiang Medical University for Nationalities		
<b>2020104409</b>	Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment of the People's Republic of China		
<b>2020104410</b>	China National Institute of Standardization		
<b>2021100000</b>	Dekate, H.M.; Velagaleti, S.B.; Abhishek, A.; Rout, S.; Bhatt, R.; Kannan, G.; Chakrabarti, T.; Hati, A.S.; Prusty, A.; Patra, S.; Chakrabarti, P.; Ranjith Kumar, R.		
<b>2021100001</b>	Mahendran, S.; Devi, G.N.R.; Sridharan, K.; Buvaneswari, B.; Baghavathi Priya, S.; Sivaraman, A.K.; Chakrabarti, T.; Reddy, R.H.N.; Tiwari, R.; Kirubakaran, S.S.; Shreemali, J.; Chakrabarti, P.		
<b>2021100002</b>	Mahendran, S.; Nair, D.; Rout, S.; Sabitha, R.; Uma, K.; A, P.; Chakrabarti, T.; Patra, S.S.; Prusty, A.K.; Pradhan, K.; H.N, R.; Chakrabarti, P.		
<b>2021100003</b>	Kashem, S.B.A.; Arularasu, S.; Gurusamy, M.; Suman, G.; Rani, S.; Abbas, S.; Chakrabarti, T.; Hati, A.S.; H.N, R.; Nagarajan, S.; Selvakamani, S.; Chakrabarti, P.		
<b>2021100004</b>	PAREEK, P.K.; T M, R.; S G, S.; VENKATAPUR, R.B.; S R, D.; M, V.; PAI H, A.; GUDI, K.S.; J, S.K.; V, S.		
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2020104366	2020104392	2020104341	2020104343 2020104344 2020104359	2020104328	2020104301
<b><u>A01N 37 /-</u></b>	<b><u>A45F 5 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B01J 13 /-</u></b>	2020104328	<b><u>B65F 3 /-</u></b>
2020104376	2020104392	2020104343 2020104344 2020104359	2020104341	2020104357	2020104301
<b><u>A01N 43 /-</u></b>	<b><u>A47J 37 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B82Y 30 /-</u></b>
2020104310 2020104372	2019101774	2020104303	2020104343 2020104344 2020104359	2020104357	2020104341
<b><u>A01N 63 /-</u></b>	<b><u>A47L 11 /-</u></b>	<b><u>B05B 17 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B33Y 50 /-</u></b>	<b><u>B82Y 40 /-</u></b>
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	<b><u>A47L 5 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B33Y 70 /-</u></b>	2020104357	<b><u>C01B 21 /-</u></b>
	2018102200	2020104357	2020104357	<b><u>B33Y 80 /-</u></b>	2020104380
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	2019101774	2020104351 2020104395	2020104378	<b><u>B43L 1 /-</u></b>	2020104341 2020104380
	<b><u>A47L 9 /-</u></b>	<b><u>A61L 27 /-</u></b>	<b><u>B09B 1 /-</u></b>	2020104389	<b><u>C02F 1 /-</u></b>
	2019101774	2020104351	2020104367 2020104368	<b><u>B60R 25 /-</u></b>	2020104359 2020104409
		<b><u>A61P 1 /-</u></b>	<b><u>B09B 3 /-</u></b>	2020103943	<b><u>C02F 3 /-</u></b>
		2021100021	2020104367 2020104368		2020104339
		<b><u>A61P 11 /-</u></b>			
		2021100020			



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2020104342		<b><u>C12Q 1 /-</u></b>	<b><u>F21K 9 /-</u></b>	2021100013	2020103943
2020104390	<b><u>C07K 1 /-</u></b>	2020104283	2020104402	<b><u>G01N 7 /-</u></b>	2021100002
<b><u>C02F 9 /-</u></b>	2020103549	2020104305		2020104397	2021100011
2020104409	<b><u>C07K 14 /-</u></b>	2020104316	<b><u>F21V 33 /-</u></b>		<b><u>G06N 20 /-</u></b>
<b><u>C04B 14 /-</u></b>	2020103549	2020104336	2020104332	<b><u>G01P 13 /-</u></b>	2020103621
2020104367	2020104396	2020104360		2020103852	2020103765
2020104368	<b><u>C07K 16 /-</u></b>	2020104373	<b><u>F23G 5 /-</u></b>		2020104298
<b><u>C04B 18 /-</u></b>	2020104302	2020104408		<b><u>G01R 31 /-</u></b>	2021100002
2020104367	2020104356	<b><u>C12R 1 /-</u></b>	2020104303		2021100011
2020104368	<b><u>C08G 18 /-</u></b>	2020103947	<b><u>F24F 11 /-</u></b>	2020104327	<b><u>G06N 3 /-</u></b>
<b><u>C04B 22 /-</u></b>	2020103155	2020104315	2020104345	<b><u>G01S 15 /-</u></b>	2020103852
2020104367	<b><u>C08J 3 /-</u></b>	2020104336	2020104362		2020104124
<b><u>C04B 24 /-</u></b>	2020104341	<b><u>C22C 18 /-</u></b>	<b><u>G01C 1 /-</u></b>	2020104334	2021100001
2020104367	<b><u>C08J 5 /-</u></b>	2020104317		<b><u>G01S 17 /-</u></b>	2021100003
2020104368	2020104331	<b><u>E01D 2 /-</u></b>	2020103765		2021100011
<b><u>C04B 28 /-</u></b>	<b><u>C08K 3 /-</u></b>	2020104338	<b><u>G01D 1 /-</u></b>	2020104334	<b><u>G06N 5 /-</u></b>
2020104367	2020104308	<b><u>E01D 22 /-</u></b>	2020104384	<b><u>G01V 99 /-</u></b>	2021100001
2020104368	2020104331	<b><u>E01D 22 /-</u></b>	<b><u>G01D 21 /-</u></b>	2020104393	2021100011
<b><u>C04B 35 /-</u></b>	<b><u>C08L 23 /-</u></b>	2020104338	2020103852	2021100013	<b><u>G06N 7 /-</u></b>
2020104357	2020104331	<b><u>E02F 9 /-</u></b>	2020103964	<b><u>G01W 1 /-</u></b>	2021100001
<b><u>C05B 13 /-</u></b>	<b><u>C08L 75 /-</u></b>	2021100014	<b><u>G01D 7 /-</u></b>	2020104352	2021100013
2020104310	2020103155	<b><u>E05D 15 /-</u></b>		2021100001	<b><u>G06Q 10 /-</u></b>
<b><u>C05B 19 /-</u></b>	<b><u>C08L 83 /-</u></b>	2020104388	2020104384	<b><u>G02B 5 /-</u></b>	2020104393
2020104308	2020103155	<b><u>E05F 1 /-</u></b>	<b><u>G01M 99 /-</u></b>		2020104410
<b><u>C05C 3 /-</u></b>	<b><u>C09K 17 /-</u></b>	2020104388	2020104311	2020104332	2021100001
2020104310	2020104320	<b><u>E05F 17 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G05B 15 /-</u></b>	<b><u>G06Q 50 /-</u></b>
<b><u>C05C 5 /-</u></b>	<b><u>C10B 53 /-</u></b>	2020104388	2020104335	2021100022	2020103621
2020104310	2020104378	<b><u>F04B 39 /-</u></b>	2020104397	<b><u>G05D 1 /-</u></b>	2020103648
<b><u>C05C 9 /-</u></b>	<b><u>C10G 1 /-</u></b>	2020104345	2021100013	2020104334	2020103765
2020104310	2020104378	<b><u>F04D 15 /-</u></b>	<b><u>G01N 11 /-</u></b>	2021100003	2020104298
<b><u>C05D 9 /-</u></b>	<b><u>C10L 1 /-</u></b>	2020104345	<b><u>G01N 15 /-</u></b>	<b><u>G06F 16 /-</u></b>	2020104379
2020104319	2020104378	<b><u>F04D 27 /-</u></b>	2020104397		2020104384
<b><u>C05F 11 /-</u></b>	<b><u>C12N 1 /-</u></b>	2020104345	<b><u>G01N 21 /-</u></b>	2020103621	<b><u>G06T 1 /-</u></b>
2020103947	2020103947	<b><u>F15B 11 /-</u></b>	2020104397	2020103648	2020103765
<b><u>C05G 1 /-</u></b>	2020104315	2021100014	<b><u>G01N 27 /-</u></b>	2020104364	<b><u>G06T 17 /-</u></b>
2020104319	<b><u>C12N 15 /-</u></b>	<b><u>F15B 21 /-</u></b>		2021100001	2021100002
<b><u>C05G 3 /-</u></b>	2020104376	2020104337	<b><u>G01N 30 /-</u></b>	2021100011	<b><u>G06T 5 /-</u></b>
2020104310	2020104396	<b><u>F16C 19 /-</u></b>	2020103964	<b><u>G06F 17 /-</u></b>	<b><u>G06T 5 /-</u></b>
2020104314	2020104304	2021100008	2020104190	2020104393	2020103375
2020104319	<b><u>C12N 7 /-</u></b>	<b><u>F16C 33 /-</u></b>	2020104337	<b><u>G06F 21 /-</u></b>	<b><u>G06T 7 /-</u></b>
<b><u>C05G 5 /-</u></b>	2020104304	2021100008	<b><u>G01N 33 /-</u></b>	2020104358	2020103520
2020104308		<b><u>F16L 3 /-</u></b>		2020104364	<b><u>G07C 5 /-</u></b>
		2020104330	2020104335	<b><u>G06F 3 /-</u></b>	2020104323
			<b><u>G01N 33 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G07C 9 /-</u></b>
			2020103964		2020104395
			2020104302	2020104300	2020104398
			2020104311	2020104311	
			2020104341	<b><u>G06K 9 /-</u></b>	<b><u>G08B 13 /-</u></b>
			2020104356	2020103520	2020103943
			2020104397	2020103852	
			2021100000		

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<b><u>G08B 21 /-</u></b>	2020104365	<b><u>H05K 5 /-</u></b>
2020103852	<b><u>H04L 29 /-</u></b>	2020104309
<b><u>G08B 29 /-</u></b>	2020103242	<b><u>No IPC Mark</u></b>
2020104346	<b><u>H04L 9 /-</u></b>	
<b><u>G08C 17 /-</u></b>	2020103943	
2021100022	2020104358	
<b><u>G08G 1 /-</u></b>	<b><u>H04N 5 /-</u></b>	
2020103907	2020103765	
2021100003	2020104124	
<b><u>G09B 19 /-</u></b>	<b><u>H04N 7 /-</u></b>	
2021100004	2020104124	
<b><u>G09B 25 /-</u></b>	<b><u>H04Q 9 /-</u></b>	
2020104299	2020104384	
2020104300	<b><u>H04R 1 /-</u></b>	
<b><u>G09F 13 /-</u></b>	2020104325	
2020104389	2020104326	
	2020104329	
<b><u>G10H 7 /-</u></b>	<b><u>H04R 3 /-</u></b>	
2020104383	2020104326	
	2020104329	
<b><u>G16H 10 /-</u></b>	<b><u>H04R 5 /-</u></b>	
2020104364	2020104325	
<b><u>G16H 30 /-</u></b>	<b><u>H04R 9 /-</u></b>	
2020103375	2020104329	
<b><u>G16Y 10 /-</u></b>	<b><u>H04W 12 /-</u></b>	
2020103765	2020104364	
<b><u>H02G 3 /-</u></b>	<b><u>H04W 16 /-</u></b>	
2020104330	2020104081	
<b><u>H02J 1 /-</u></b>	<b><u>H04W 4 /-</u></b>	
2020104350	2020103765	
<b><u>H02J 3 /-</u></b>	2020103799	
2020104350	2020104322	
2020104394	2020104364	
	2020104365	
<b><u>H02J 7 /-</u></b>	2020104384	
2020104309	2021100000	
2020104346	<b><u>H04W 72 /-</u></b>	
2020104350	2020104081	
<b><u>H02S 10 /-</u></b>	<b><u>H04W 84 /-</u></b>	
2020104394	2020103799	
<b><u>H04B 1 /-</u></b>	2020104384	
2020104392	2021100000	
<b><u>H04L 12 /-</u></b>	<b><u>H04W 88 /-</u></b>	
2020103242	2020103799	
	2021100000	

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- . (\*\*) Title not given

<p>(71) 10942731 Canada Corporation                      (11) AU-A-2018440504                      (21) 2018440504 (22) 07.09.2018                      (54) Method and system for forming a composite material                      (51) Int. Cl.  <i>B29C 70/06</i> ( 2006.01 )  <i>B01F 3/18</i> ( 2006.01 )  <i>B01F 15/06</i> ( 2006.01 )  <i>C08J 5/04</i> ( 2006.01 )                      (87) WO2020/047645                      (43) 12.03.2020                      (72) DANNER, Kevin                      (74) Michael Buck IP</p>	<p>(54) Aqueous oral care solutions, methods, kits, and tooth surfaces having a coating derived from the oral care solution                      (51) Int. Cl.  <i>A61K 8/19</i> ( 2006.01 )  <i>A61K 8/21</i> ( 2006.01 )  <i>A61Q 11/00</i> ( 2006.01 )                      (87) WO2020/044230                      (31) 62/723,699 (32) 28.08.18 (33) US                      (43) 05.03.2020                      (72) WANG, Yizhong; LIU, Jie J.; RUSIN, Richard P.; GUSTAFSON, Melinda B.; HAEBERLEIN, Ingo; CARRERA VIDAL, Carola A.                      (74) Davies Collison Cave Pty Ltd</p>	<p>(43) 06.02.2020                      (72) PUMPUTIS, Patrick G.; HOLDER, Steven Ten; TAYLOR, Drew W.                      (74) Cotters Patent &amp; Trade Mark Attorneys</p>
<p>(71) 1Globe Biomedical Co., Ltd.; 1Globe Health Institute LLC                      (11) AU-A-2019324388                      (21) 2019324388 (22) 20.08.2019                      (54) Novel cancer immunotherapy antibody compositions                      (51) Int. Cl.  <i>C07K 16/30</i> ( 2006.01 )  <i>A61K 39/395</i> ( 2006.01 )  <i>A61P 35/00</i> ( 2006.01 )                      (87) WO2020/038379                      (31) 62/720,015 (32) 20.08.18 (33) US                      (43) 27.02.2020                      (72) LI, Chiang J.; UNNIRAMAN, Shyam; BADER, Hannah; JHA, Mithilesh                      (74) Spruson &amp; Ferguson</p>	<p>(71) ABB Schweiz AG                      (11) AU-A-2019340010                      (21) 2019340010 (22) 29.08.2019                      (54) Cable conduit with integrated sensors                      (51) Int. Cl.  <i>H02G 3/04</i> ( 2006.01 )  <i>G01K 1/00</i> ( 2006.01 )                      (87) WO2020/052984                      (31) 18193765.7 (32) 11.09.18 (33) EP                      (43) 19.03.2020                      (72) ELSER, Pierre; SCHUSTER, Peter; MARET, Yannick; VELTHUIS, Rudi                      (74) FB Rice Pty Ltd</p>	<p>(71) ACO Severin Ahlmann GmbH &amp; Co Kommanditgesellschaft                      (11) AU-A-2019326745                      (21) 2019326745 (22) 21.08.2019                      (54) Frame system and manhole covering                      (51) Int. Cl.  <i>E02D 29/14</i> ( 2006.01 )  <i>E01C 11/02</i> ( 2006.01 )  <i>E03F 5/06</i> ( 2006.01 )  <i>E04B 1/68</i> ( 2006.01 )  <i>E04H 5/06</i> ( 2006.01 )                      (87) WO2020/038982                      (31) 10 2018 120 623.2 (32) 23.08.18 (33) DE                      (43) 27.02.2020                      (72) HOLL, Sebastian                      (74) Fraser Old &amp; Sohn</p>
<p>(71) 3M Innovative Properties Company                      (11) AU-A-2019326076                      (21) 2019326076 (22) 21.08.2019                      (54) Tackified and filled silicone adhesive compositions                      (51) Int. Cl.  <i>C09J 7/35</i> ( 2018.01 )  <i>B32B 7/12</i> ( 2006.01 )  <i>C09J 7/38</i> ( 2018.01 )  <i>C09J 11/04</i> ( 2006.01 )  <i>C09J 175/02</i> ( 2006.01 )  <i>C09J 177/00</i> ( 2006.01 )  <i>C09J 183/04</i> ( 2006.01 )  <i>C09J 183/05</i> ( 2006.01 )                      (87) WO2020/039372                      (31) 62/721,958 (32) 23.08.18 (33) US                      (43) 27.02.2020                      (72) KHODAPARAST, Payam; RUNGE, Michael B.; HACKBARTH, Kent C.; MACKAY, Sonja S.; KINNING, David J.                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) AbbVie Inc.                      (11) AU-A-2019331459                      (21) 2019331459 (22) 29.08.2019                      (54) Process for manufacturing pibrentasvir active drug substance                      (51) Int. Cl.  <i>A61K 31/04</i> ( 2006.01 )  <i>A61K 31/4178</i> ( 2006.01 )  <i>A61P 31/14</i> ( 2006.01 )  <i>C07C 205/11</i> ( 2006.01 )  <i>C07D 403/14</i> ( 2006.01 )                      (87) WO2020/047182                      (31) 62/724,399 (32) 29.08.18 (33) US                      (43) 05.03.2020                      (72) HILLIER, Michael; GHEEWALA, Chirag; HASTINGS, Riley                      (74) Spruson &amp; Ferguson</p>	<p>(71) Acuitive Technologies, Inc.                      (11) AU-A-2019327408                      (21) 2019327408 (22) 27.08.2019                      (54) Tendon interference anchor                      (51) Int. Cl.  <i>A61B 17/04</i> ( 2006.01 )  <i>A61B 17/56</i> ( 2006.01 )                      (87) WO2020/046912                      (31) 62/725,831 (32) 31.08.18 (33) US                      (43) 05.03.2020                      (72) FERREIRA, Rui J.; LARSON, Christopher C.; MCCARTHY, Michael P.; GABEL, Douglas William                      (74) Shelston IP Pty Ltd.</p>
<p>(71) 3M Innovative Properties Company                      (11) AU-A-2019330345                      (21) 2019330345 (22) 27.08.2019</p>	<p>(71) Acorn Biolabs, Inc.                      (11) AU-A-2019316505                      (21) 2019316505 (22) 26.07.2019                      (54) Compositions for transportation and/or cryopreservation of cells and/or tissues                      (51) Int. Cl.  <i>A01N 1/02</i> ( 2006.01 )  <i>C12N 5/071</i> ( 2010.01 )                      (87) WO2020/024045                      (31) 62/711,808 (32) 30.07.18 (33) US</p>	<p>(71) Acutus Medical, Inc.                      (11) AU-A-2019377121                      (21) 2019377121 (22) 08.11.2019                      (54) Systems and methods for calculating patient information                      (51) Int. Cl.  <i>A61B 5/24</i> ( 2021.01 )  <i>A61B 5/05</i> ( 2006.01 )  <i>A61B 5/28</i> ( 2021.01 )  <i>A61B 5/291</i> ( 2021.01 )  <i>A61B 5/318</i> ( 2021.01 )  <i>A61B 18/14</i> ( 2006.01 )                      (87) WO2020/097438                      (31) 62/757,961 (32) 09.11.18 (33) US                      (43) 14.05.2020                      (72) SCHARF, Gunter; SCHARF, Christoph; REN-YU CHOU, Derrick; ERNEST BEATTY, Graydon; FLAHERTY, R. Maxwell; FLAHERTY, J. Christopher                      (74) Griffith Hack</p>
		<p>(71) Adagio Medical, Inc.                      (11) AU-A-2019315849</p>

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 (54) Ablation catheter having an expandable treatment portion  
 (51) Int. Cl.  
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*A61B 18/14* ( 2006.01 )  
*A61B 18/18* ( 2006.01 )  
*A61N 1/37* ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Additive Implants, Inc.  
 (11) AU-A-2019336237  
 (21) 2019336237 (22) 06.09.2019  
 (54) Dynamic intervertebral spacer implant  
 (51) Int. Cl.  
*A61F 2/44* ( 2006.01 )  
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 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
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 (21) 2019327155 (22) 26.08.2019  
 (54) Cryopreserved NK cells preloaded with an antibody construct  
 (51) Int. Cl.  
*A61K 35/17* ( 2015.01 )  
*A01N 1/02* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
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 (72) REUSCH, Uwe; KOCH, Joachim; TRE-  
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- (71) Airandé Pty Limited  
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 (21) 2019311581 (22) 24.07.2019  
 (54) Disinfection system  
 (51) Int. Cl.  
*A61L 9/12* ( 2006.01 )  
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*A61L 9/14* ( 2006.01 )  
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*A61L 101/22* ( 2006.01 )  
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 (43) 30.01.2020  
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 William Jack; MERTENS, Fabienne  
 Marie-Armande; CORNELIS, Jean-Paul  
 Marie  
 (74) Jones Tulloch
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- (71) Akeso Biopharma, Inc.  
 (11) AU-A-2019320927  
 (21) 2019320927 (22) 13.08.2019  
 (54) Antibody against IL-1 $\beta$ , pharmaceutical composition and use thereof  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
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*C12N 15/13* ( 2006.01 )  
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**C25B 1/04** ( 2021.01 )  
**C25B 15/08** ( 2006.01 )  
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**B01D 61/00** ( 2006.01 )  
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**B01D 63/02** ( 2006.01 )  
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**D01F 6/76** ( 2006.01 )  
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**A61K 47/60** ( 2017.01 )  
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**B22F 9/06** ( 2006.01 )  
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**C21C 7/068** ( 2006.01 )
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**C07D 401/14** ( 2006.01 )  
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**C12Q 1/6855** ( 2018.01 )  
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**(54)** An airway device  
**(51)** Int. Cl.  
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**(74)** Patentec Patent Attorneys
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**(51)** Int. Cl.  
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**G06N 3/08** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
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**(51)** Int. Cl.  
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**C07K 5/02** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A23L 5/10** ( 2016.01 )  
**A47J 27/04** ( 2006.01 )  
**A47J 27/16** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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**G01W 1/10** ( 2006.01 )  
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**(54)** Filling earth at a location within a dig site using an excavation vehicle  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**A01B 35/32** ( 2006.01 )  
**E02F 9/20** ( 2006.01 )  
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*H04L 9/32* ( 2006.01 )  
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A61P 19/02 ( 2006.01 )  
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C07D 211/18 ( 2006.01 )  
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G06Q 30/02 ( 2012.01 )  
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A61K 31/407 ( 2006.01 )  
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C07K 16/46 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
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C12N 15/13 ( 2006.01 )  
C12P 21/08 ( 2006.01 )  
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**A61M 11/00** ( 2006.01 )  
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**A01N 1/02** ( 2006.01 )  
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**G01N 29/14** ( 2006.01 )  
**G01N 29/22** ( 2006.01 )  
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(31) PCT/ (32) 17.09.18 (33) AU  
AU2018/051015  
2018902840 03.08.18 AU  
2018902896 08.08.18 AU  
2019900941 20.03.19 AU  
(43) 06.02.2020  
(72) SMITH, Neil Andrew; WANG, Ming Bo; ZHANG, Daai; DORAN, Timothy James; TIZARD, Mark; ALLU, Annapurna Devi; GREAVES, Ian Kevin; GAO, Lingling; ANDERSON, Jonathan Paul; DE FEYTER, Robert  
(74) FB Rice Pty Ltd
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- (71) Commonwealth Scientific and Industrial Research Organisation  
(11) AU-A-2019333927  
(21) 2019333927 (22) 06.09.2019  
(54) Wheel arrangement  
(51) Int. Cl.  
**B60B 9/24** ( 2006.01 )  
**B60B 9/28** ( 2006.01 )  
(87) WO2020/047609  
(31) 2018903349 (32) 07.09.18 (33) AU  
2019900441 12.02.19 AU  
(43) 12.03.2020  
(72) FLICK, Paul Damien; HOJNIK, Tim  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Commonwealth Scientific and Industrial Research Organisation  
(11) AU-A-2020331565  
(21) 2020331565 (22) 25.08.2020  
(54) Object monitoring  
(51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**H04W 4/30** ( 2018.01 )

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

<b>H04W 4/80</b> ( 2018.01 )	<b>C22F 1/047</b> ( 2006.01 )	62/736,682	26.09.18	US
<b>(31)</b> 2019903196 <b>(32)</b> 30.08.19 <b>(33)</b> AU	<b>(87)</b> WO2020/053507	62/749,815	24.10.18	US
<b>(43)</b> 18.03.2021	<b>(31)</b> 1858257 <b>(32)</b> 13.09.18 <b>(33)</b> FR	62/749,800	24.10.18	US
<b>(72)</b> VALENCIA, Philip Juan; HEANEY, Nicholas Alexander	<b>(43)</b> 19.03.2020	62/749,808	24.10.18	US
<b>(74)</b> Davies Collison Cave Pty Ltd	<b>(72)</b> LEDOUX, Marine; DAVO GUTIERREZ, Maria Belen; WARNER, Timothy	62/769,253	19.11.18	US
	<b>(74)</b> Spruson & Ferguson	<b>(43)</b> 23.01.2020		
<b>(71)</b> Comnovo GmbH	<b>(71)</b> Convatec Technologies Inc.	<b>(72)</b> CLICK, Carol Ann; EDMONSTON, James Howard; FU, Qiang; HALL, Jill Marie; HUBERT, Mathieu Gerard Jacques; JOSHI, Dhananjay; KITTLESON, Andrew Peter; KROEMER, Katherine Weber; MOORE, Galan Gregory; RAI, Rohit; RIDGE, John Richard; SALTZER, JR., John Robert; SMITH, Charlene Marie; STAPLETON, Erika Lynn; TROSA, Matthew Daniel; UKRAINCZYK, Ljerka; WILSON, Shelby Kerin; YANG, Bin; ZHENG, Zheming		
<b>(11)</b> AU-A-2019336495	<b>(11)</b> AU-A-2019335512			
<b>(21)</b> 2019336495 <b>(22)</b> 02.09.2019	<b>(21)</b> 2019335512 <b>(22)</b> 06.09.2019			
<b>(54)</b> Gate safety system for preventing collisions between a vehicle and a gate, and a computer program	<b>(54)</b> Adaptable adhesive wound dressings			
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>E05F 15/73</b> ( 2015.01 )	<b>A61F 13/00</b> ( 2006.01 )			
<b>B66F 9/06</b> ( 2006.01 )	<b>A61F 13/15</b> ( 2006.01 )			
<b>B66F 9/075</b> ( 2006.01 )	<b>A61M 35/00</b> ( 2006.01 )			
<b>B66F 17/00</b> ( 2006.01 )	<b>(87)</b> WO2020/051548			
<b>G08G 1/16</b> ( 2006.01 )	<b>(31)</b> 62/728,036 <b>(32)</b> 06.09.18 <b>(33)</b> US			
<b>(87)</b> WO2020/048919	<b>(43)</b> 12.03.2020			
<b>(31)</b> 20 2018 105 041.9 <b>(32)</b> 04.09.18 <b>(33)</b> DE	<b>(72)</b> STEVEN, Jade; BALLAMY, Sophie; BREWER, Claire; PENAGONDLA, Manjunath			
<b>(43)</b> 12.03.2020	<b>(74)</b> Houlihan <sup>2</sup> Pty Ltd			
<b>(72)</b> LAMMERING, David				
<b>(74)</b> Spruson & Ferguson	<b>(71)</b> Cornell University			
	<b>(11)</b> AU-A-2019315445			
<b>(71)</b> Conmed Corporation	<b>(21)</b> 2019315445 <b>(22)</b> 31.07.2019			
<b>(11)</b> AU-A-2019327429	<b>(54)</b> Gene therapy methods to control organ function			
<b>(21)</b> 2019327429 <b>(22)</b> 28.08.2019	<b>(51)</b> Int. Cl.			
<b>(54)</b> Separate printed traces for ecg and defibrillation circuits	<b>A61P 25/00</b> ( 2006.01 )			
<b>(51)</b> Int. Cl.	<b>C12N 15/09</b> ( 2006.01 )			
<b>A61N 1/04</b> ( 2006.01 )	<b>C12N 15/12</b> ( 2006.01 )			
<b>A61B 5/24</b> ( 2021.01 )	<b>C12N 15/63</b> ( 2006.01 )			
<b>(87)</b> WO2020/047022	<b>C12N 15/86</b> ( 2006.01 )			
<b>(31)</b> 62/725,311 <b>(32)</b> 31.08.18 <b>(33)</b> US	<b>(87)</b> WO2020/028466			
<b>(43)</b> 05.03.2020	<b>(31)</b> 62/712,669 <b>(32)</b> 31.07.18 <b>(33)</b> US			
<b>(72)</b> SNYDER, Jessica	<b>(43)</b> 06.02.2020			
<b>(74)</b> Griffith Hack	<b>(72)</b> MARONGIU, Roberta; KAPLITT, Michael G.			
	<b>(74)</b> Davies Collison Cave Pty Ltd			
<b>(71)</b> Conmed Corporation	<b>(71)</b> Corning Incorporated; Click, C.; Edmonston, J.; Fu, Q.; Hall, J.; Hubert, M.; Joshi, D.; Kittleson, A.; Kroemer, K.; Moore, G.; Rai, R.; Ridge, J.; SALTZER Jr., J.; Smith, C.; Stapleton, E.; Trosa, M.; Ukrainczyk, L.; Wilson, S.; Yang, B.; Zheng, Z.			
<b>(11)</b> AU-A-2019345268	<b>(11)</b> AU-A-2019308175			
<b>(21)</b> 2019345268 <b>(22)</b> 19.09.2019	<b>(21)</b> 2019308175 <b>(22)</b> 12.07.2019			
<b>(54)</b> Multi-modal five lumen gas circulation system for use in endoscopic surgical procedures	<b>(54)</b> Glass ceramic articles having improved properties and methods for making the same			
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>A61M 13/00</b> ( 2006.01 )	<b>C03C 3/097</b> ( 2006.01 )			
<b>A61B 17/00</b> ( 2006.01 )	<b>B32B 19/00</b> ( 2006.01 )			
<b>A61B 17/34</b> ( 2006.01 )	<b>C03C 4/00</b> ( 2006.01 )			
<b>A61M 39/06</b> ( 2006.01 )	<b>C03C 10/00</b> ( 2006.01 )			
<b>(87)</b> WO2020/061299	<b>C03C 21/00</b> ( 2006.01 )			
<b>(31)</b> 16/138,354 <b>(32)</b> 21.09.18 <b>(33)</b> US	<b>G02F 1/1333</b> ( 2006.01 )			
<b>(43)</b> 26.03.2020	<b>C03C 10/04</b> ( 2006.01 )			
<b>(72)</b> SILVER, Mikiya; KANE, Michael J.; AUGELLI, Michael J.	<b>C03C 10/12</b> ( 2006.01 )			
<b>(74)</b> Griffith Hack	<b>(87)</b> WO2020/018393			
<b>(71)</b> Constellium Isoire; Constellium Rolled Products Ravenswood, LLC	<b>(31)</b> 62/698,532 <b>(32)</b> 16.07.18 <b>(33)</b> US			
<b>(11)</b> AU-A-2019338972	62/698,563 16.07.18 US			
<b>(21)</b> 2019338972 <b>(22)</b> 09.09.2019	62/698,582 16.07.18 US			
<b>(54)</b> Almgmn alloy product with improved corrosion resistance	62/698,595 16.07.18 US			
<b>(51)</b> Int. Cl.	62/698,623 16.07.18 US			
<b>C22C 21/06</b> ( 2006.01 )				
<b>B21B 3/00</b> ( 2006.01 )				
<b>C22F 1/04</b> ( 2006.01 )				
	<b>(71)</b> Coupang Corp.			
	<b>(11)</b> AU-A-2020260475			
	<b>(21)</b> 2020260475 <b>(22)</b> 14.07.2020			
	<b>(54)</b> Automated generation of video-based electronic solicitations			
	<b>(51)</b> Int. Cl.			
	<b>G11B 27/034</b> ( 2006.01 )			
	<b>G06F 3/01</b> ( 2006.01 )			
	<b>(31)</b> 16/553,354 <b>(32)</b> 28.08.19 <b>(33)</b> US			
	<b>(43)</b> 18.03.2021			
	<b>(72)</b> WU, Meng			
	<b>(74)</b> FB Rice Pty Ltd			
	<b>(71)</b> Corsair Oy			
	<b>(11)</b> AU-A-2019311794			
	<b>(21)</b> 2019311794 <b>(22)</b> 08.07.2019			
	<b>(54)</b> A filter element			
	<b>(51)</b> Int. Cl.			
	<b>B01D 46/00</b> ( 2006.01 )			
	<b>B01D 45/02</b> ( 2006.01 )			
	<b>B01D 45/04</b> ( 2006.01 )			
	<b>B01F 15/00</b> ( 2006.01 )			
	<b>B08B 15/00</b> ( 2006.01 )			
	<b>B28C 5/08</b> ( 2006.01 )			
	<b>B28C 5/18</b> ( 2006.01 )			
	<b>(87)</b> WO2020/021156			
	<b>(31)</b> 20187094 <b>(32)</b> 22.07.18 <b>(33)</b> FI			
	<b>(43)</b> 30.01.2020			
	<b>(72)</b> RANE, Enna; VÄISÄNEN, Antti; RUSSI, Frank			
	<b>(74)</b> CHILIAD CONSULTING PTY LTD			
	<b>(71)</b> Coupang Corp.			
	<b>(11)</b> AU-A-2020260473			
	<b>(21)</b> 2020260473 <b>(22)</b> 14.07.2020			
	<b>(54)</b> Computer-implemented method for detecting fraudulent transactions by using an enhanced k-means clustering algorithm			
	<b>(51)</b> Int. Cl.			
	<b>G06Q 40/08</b> ( 2012.01 )			
	<b>G06Q 20/00</b> ( 2012.01 )			
	<b>G07F 7/08</b> ( 2006.01 )			
	<b>(31)</b> 16/553,099 <b>(32)</b> 27.08.19 <b>(33)</b> US			
	<b>(43)</b> 18.03.2021			
	<b>(72)</b> HUANG, Xiaojun			
	<b>(74)</b> FB Rice Pty Ltd			

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<p>(71) Coupang Corp. (11) AU-A-2020260480 (21) 2020260480 (22) 14.07.2020 (54) Systems and methods for dynamic aggregation of data and minimization of data loss (51) Int. Cl. <b>G06F 16/2455</b> ( 2019.01 ) (31) 16/551,091 (32) 26.08.19 (33) US (43) 18.03.2021 (72) NAM, Il Won; PARK, Seung Hoon; KIM, Ki Young (74) FB Rice Pty Ltd</p>	<p>(43) 18.03.2021 (72) LEE, Yulhee; CHANG, Jiho; LEE, Hyojeong; PI, Jeongho; YU, Sunggu; NAM, Dukwon; KIM, Taenyun; LEE, Hanjun; KANG, Hyun Bo; KIM, Soung Hie (74) FB Rice Pty Ltd</p>	<p>(43) 26.03.2020 (72) TRAINA, Zachary (74) Spruson &amp; Ferguson</p>
<p>(71) Coupang Corp. (11) AU-A-2020260490 (21) 2020260490 (22) 14.07.2020 (54) Computer-implemented systems and methods for validating and returning fresh items for inventory management (51) Int. Cl. <b>G06Q 10/08</b> ( 2012.01 ) (31) 16/553,370 (32) 28.08.19 (33) US (43) 18.03.2021 (72) HA, Hyeona; JEONG, Jinwon; KANG, SungWoo; OH, Jeong Seok; HONG, Sun Young (74) FB Rice Pty Ltd</p>	<p>(71) Coupang Corp. (11) AU-A-2020260540 (21) 2020260540 (22) 12.08.2020 (54) Computerized systems and methods for display and determination of guaranteed delivery time selection (51) Int. Cl. <b>G06Q 10/08</b> ( 2012.01 ) (31) 16/558,851 (32) 03.09.19 (33) US (43) 18.03.2021 (72) PARK, Chang Hyun; KIM, Daniel (74) FB Rice Pty Ltd</p>	<p>(71) Covidien LP (11) AU-A-2019345238 (21) 2019345238 (22) 10.09.2019 (54) Foot pedal assignment for robotic surgical systems (51) Int. Cl. <b>A61B 34/00</b> ( 2016.01 ) <b>A61B 17/00</b> ( 2006.01 ) <b>A61B 34/37</b> ( 2016.01 ) <b>B25J 9/16</b> ( 2006.01 ) <b>B25J 13/04</b> ( 2006.01 ) (87) WO2020/060793 (31) 62/732,134 (32) 17.09.18 (33) US (43) 26.03.2020 (72) KAPADIA, Jaimeen; TAYLOR, Eric (74) Spruson &amp; Ferguson</p>
<p>(71) Coupang Corp. (11) AU-A-2020260502 (21) 2020260502 (22) 14.07.2020 (54) Systems and methods for electronic monitoring of inventory transfer (51) Int. Cl. <b>G06Q 10/08</b> ( 2012.01 ) (31) 16/550,916 (32) 26.08.19 (33) US (43) 18.03.2021 (72) HWANG, Ji Won; HONG, Seon Sook; LEE, Jong Won; JEONG, Jin Won; JEON, Sang Min (74) FB Rice Pty Ltd</p>	<p>(71) Coupang Corp. (11) AU-A-2020264419 (21) 2020264419 (22) 14.07.2020 (54) Computer-implemented method for detecting fraudulent transactions using locality sensitive hashing and locality outlier factor algorithms (51) Int. Cl. <b>G06Q 20/08</b> ( 2012.01 ) (31) 16/552,983 (32) 27.08.19 (33) US (43) 18.03.2021 (72) HUANG, Xiaojun (74) FB Rice Pty Ltd</p>	<p>(71) CP Manufacturing, Inc. (11) AU-A-2019351649 (21) 2019351649 (22) 02.07.2019 (54) Disc for use in disc screen (51) Int. Cl. <b>B07B 1/15</b> ( 2006.01 ) (87) WO2020/072113 (31) 16/193,815 (32) 16.11.18 (33) US 62/739,692 01.10.18 US (43) 09.04.2020 (72) DAVIS, Nicholas (74) Halfords IP</p>
<p>(71) Coupang Corp. (11) AU-A-2020260508 (21) 2020260508 (22) 14.07.2020 (54) Automated user interfaces for efficient packaging of objects (51) Int. Cl. <b>G06Q 10/08</b> ( 2012.01 ) (31) 16/551,052 (32) 26.08.19 (33) US (43) 18.03.2021 (72) KIM, Woong; BAI, Lianxi; HWANG, Ji Won; YOO, Hyeong Min; KIM, Sung Eun (74) FB Rice Pty Ltd</p>	<p>(71) Covidien LP (11) AU-A-2019337548 (21) 2019337548 (22) 09.09.2019 (54) Articulating blade deployment (51) Int. Cl. <b>A61B 17/295</b> ( 2006.01 ) <b>A61B 18/14</b> ( 2006.01 ) <b>A61B 34/00</b> ( 2016.01 ) <b>A61B 34/30</b> ( 2016.01 ) (87) WO2020/055705 (31) 62/731,367 (32) 14.09.18 (33) US (43) 19.03.2020 (72) HAMMERLAND, John; DROCHNER, Thomas (74) Spruson &amp; Ferguson</p>	<p>(71) Creanova Universal Closures Ltd. (11) AU-A-2019311219 (21) 2019311219 (22) 17.07.2019 (54) Closure (51) Int. Cl. <b>B65D 41/34</b> ( 2006.01 ) <b>B65D 47/14</b> ( 2006.01 ) (87) WO2020/020713 (31) 00926/18 (32) 26.07.18 (33) CH 01455/18 26.11.18 CH (43) 30.01.2020 (72) DRUITT, Rodney; SMITH, Mark; DIMOND, James (74) Davies Collision Cave Pty Ltd</p>
<p>(71) Coupang Corp. (11) AU-A-2020260509 (21) 2020260509 (22) 14.07.2020 (54) Computerized systems and methods for facilitating package redelivery (51) Int. Cl. <b>G06Q 10/08</b> ( 2012.01 ) (31) 16/550,865 (32) 26.08.19 (33) US</p>	<p>(71) Covidien LP (11) AU-A-2019344528 (21) 2019344528 (22) 10.09.2019 (54) Highly articulated laparoscopic joint including electrical signal transmission therethrough (51) Int. Cl. <b>A61B 34/30</b> ( 2016.01 ) <b>A61B 17/00</b> ( 2006.01 ) <b>A61B 17/068</b> ( 2006.01 ) <b>A61B 17/29</b> ( 2006.01 ) <b>A61B 34/00</b> ( 2016.01 ) (87) WO2020/060792 (31) 62/732,108 (32) 17.09.18 (33) US</p>	<p>(71) Crispr Therapeutics AG (11) AU-A-2019334208 (21) 2019334208 (22) 07.09.2019 (54) Universal donor cells (51) Int. Cl. <b>C07K 14/74</b> ( 2006.01 ) <b>C12N 5/0735</b> ( 2010.01 ) <b>C12N 5/074</b> ( 2010.01 ) (87) WO2020/049535 (31) 62/728,529 (32) 07.09.18 (33) US (43) 12.03.2020 (72) REZANIA, Alireza; HO, Tony W.; RAMOS-ZAYAS, Rebeca (74) RNB IP PTY LTD</p>
<p>(71) Coupang Corp. (11) AU-A-2019329033 (21) 2019329033 (22) 07.09.2019 (54) Systems and methods for dynamic aggregation of data and minimization of data loss (51) Int. Cl. <b>G06F 16/2455</b> ( 2019.01 ) (31) 16/551,091 (32) 26.08.19 (33) US (43) 18.03.2021 (72) NAM, Il Won; PARK, Seung Hoon; KIM, Ki Young (74) FB Rice Pty Ltd</p>	<p>(43) 18.03.2021 (72) LEE, Yulhee; CHANG, Jiho; LEE, Hyojeong; PI, Jeongho; YU, Sunggu; NAM, Dukwon; KIM, Taenyun; LEE, Hanjun; KANG, Hyun Bo; KIM, Soung Hie (74) FB Rice Pty Ltd</p>	<p>(43) 26.03.2020 (72) TRAINA, Zachary (74) Spruson &amp; Ferguson</p>

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

- (21) 2019329033 (22) 29.08.2019  
 (54) Centric interlocking system  
 (51) Int. Cl.  
*F16B 7/04* ( 2006.01 )  
*B65D 21/02* ( 2006.01 )  
*F16B 12/40* ( 2006.01 )  
*F16B 21/02* ( 2006.01 )  
*F16L 37/24* ( 2006.01 )  
 (87) WO2020/046145  
 (31) 745776 (32) 29.08.18 (33) NZ  
 (43) 05.03.2020  
 (72) CROKER, Robert  
 (74) Robert Sean Croker
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- (71) Crommelin Agricoatings Pty Ltd  
 (11) AU-A-2019352497  
 (21) 2019352497 (22) 25.09.2019  
 (54) Composition and method for treating urea  
 (51) Int. Cl.  
*C05C 9/00* ( 2006.01 )  
*C05G 3/00* ( 2020.01 )  
*C07C 275/00* ( 2006.01 )  
 (87) WO2020/069561  
 (31) 2018903720 (32) 02.10.18 (33) AU  
 2019902669 26.07.19 AU  
 (43) 09.04.2020  
 (72) DE VILLIERS, Hein  
 (74) SPICER SPICER PTY LTD
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- (71) Cryovac, LLC  
 (11) AU-A-2018434573  
 (21) 2018434573 (22) 03.08.2018  
 (54) Super-hydrophobic thermoplastic films for packaging  
 (51) Int. Cl.  
*B32B 27/08* ( 2006.01 )  
*B32B 27/20* ( 2006.01 )  
*B32B 27/30* ( 2006.01 )  
*B32B 27/32* ( 2006.01 )  
*B32B 27/34* ( 2006.01 )  
*B32B 27/36* ( 2006.01 )  
*B65D 75/30* ( 2006.01 )  
*B65D 85/72* ( 2006.01 )  
 (87) WO2020/025148  
 (43) 06.02.2020  
 (72) FORLONI, Roberto; DONG, Xin  
 (74) AJ PARK
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- (71) Cryovac, LLC  
 (11) AU-A-2018434788  
 (21) 2018434788 (22) 03.08.2018  
 (54) Super-hydrophobic thermoplastic films for packaging and packages made therefrom  
 (51) Int. Cl.  
*B32B 27/08* ( 2006.01 )  
*B32B 3/30* ( 2006.01 )  
*B32B 27/20* ( 2006.01 )  
*B32B 27/30* ( 2006.01 )  
*B32B 27/32* ( 2006.01 )  
*B32B 27/34* ( 2006.01 )  
*B32B 27/36* ( 2006.01 )  
*B65D 75/30* ( 2006.01 )  
*B65D 85/72* ( 2006.01 )  
 (87) WO2020/025149  
 (43) 06.02.2020  
 (72) FORLONI, Roberto; DONG, Xin  
 (74) AJ PARK
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- (71) CSL Behring Gene Therapy, Inc.  
 (11) AU-A-2019325609  
 (21) 2019325609 (22) 23.08.2019  
 (54) Vector production in serum free media  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
 (87) WO2020/041647  
 (31) 62/722,784 (32) 24.08.18 (33) US  
 (43) 27.02.2020  
 (72) LEE, Chi-Lin; BARTLETT, Jeffrey S.  
 (74) FB Rice Pty Ltd
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- (71) DAI, A.  
 (11) AU-A-2019318931  
 (21) 2019318931 (22) 09.08.2019  
 (54) Method for greatly reducing sulphate content in various levels of lithium carbonate in spodumene sulfuric acid method  
 (51) Int. Cl.  
*C01D 15/08* ( 2006.01 )  
 (87) WO2020/030123  
 (31) 201810900977.7 (32) 09.08.18 (33) CN  
 (43) 13.02.2020  
 (72) WANG, Qingsheng  
 (74) Lord & Company
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- (71) Dainihon Jochugiku Co., Ltd.  
 (11) AU-A-2019323979  
 (21) 2019323979 (22) 06.08.2019  
 (54) Aerosol agent for control of insect pests, and insect pest control method  
 (51) Int. Cl.  
*A01N 53/06* ( 2006.01 )  
*A01M 7/00* ( 2006.01 )  
*A01N 25/06* ( 2006.01 )  
*A01N 25/30* ( 2006.01 )  
*A01P 7/04* ( 2006.01 )  
 (87) WO2020/039910  
 (31) 2018-153840 (32) 20.08.18 (33) JP  
 (43) 27.02.2020  
 (72) HARADA Yuya; KOBAYASHI Yoko; KAWAJIRI Yumi; NAKAYAMA Koji  
 (74) Spruson & Ferguson
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- (71) Daktronics, Inc.  
 (11) AU-A-2019337584  
 (21) 2019337584 (22) 11.09.2019  
 (54) Magnetically-actuated latch mechanism for display module  
 (51) Int. Cl.  
*G09F 9/302* ( 2006.01 )  
 (87) WO2020/055988  
 (31) 62/729,703 (32) 11.09.18 (33) US  
 (43) 19.03.2020  
 (72) FLOWERS, Ashton; MILLER, Kent Shane; SETTINGSGARD, Jon  
 (74) FB Rice Pty Ltd
- 
- (71) Dana-Farber Cancer Institute, Inc.; President and Fellows of Harvard College  
 (11) AU-A-2019337096  
 (21) 2019337096 (22) 04.09.2019
- 
- (54) cGAS/DncV-like nucleotidyltransferases and uses thereof  
 (51) Int. Cl.  
*C12N 1/00* ( 2006.01 )  
*C12N 1/15* ( 2006.01 )  
*C12N 1/20* ( 2006.01 )  
*C12N 1/21* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12N 15/70* ( 2006.01 )  
 (87) WO2020/051197  
 (31) 62/727,647 (32) 06.09.18 (33) US  
 62/769,163 19.11.18 US  
 (43) 12.03.2020  
 (72) WHITELEY, Aaron; KRANZUSCH, Philip J.; MEKALANOS, John; EAGLE-SHAM, James  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) Dana-Farber Cancer Institute, Inc.  
 (11) AU-A-2019361964  
 (21) 2019361964 (22) 16.10.2019  
 (54) Degraders of wild-type and mutant forms of LRKK2  
 (51) Int. Cl.  
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(51) Int. Cl.  
**C03C 3/083** ( 2006.01 )  
**B65D 23/08** ( 2006.01 )  
**B65D 25/34** ( 2006.01 )  
**C03C 8/02** ( 2006.01 )  
**C03C 17/06** ( 2006.01 )  
**C04B 35/19** ( 2006.01 )
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**G01N 1/42** ( 2006.01 )

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 C10L 5/08 ( 2006.01 )  
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 (54) Stabilized peroxyacid solutions  
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 A01N 37/16 ( 2006.01 )  
 A01N 25/22 ( 2006.01 )  
 A01P 1/00 ( 2006.01 )  
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 C01B 15/013 ( 2006.01 )  
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 C08J 5/22 ( 2006.01 )  
 B01D 69/10 ( 2006.01 )  
 B01D 71/04 ( 2006.01 )  
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 B01D 61/00 ( 2006.01 )  
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 C02F 1/469 ( 2006.01 )  
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 B01D 53/04 ( 2006.01 )  
 E21B 41/00 ( 2006.01 )  
 E21B 43/16 ( 2006.01 )  
 H01M 8/04082 ( 2016.01 )  
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 H01M 8/0612 ( 2016.01 )  
 H01M 8/0668 ( 2016.01 )  
 H01M 8/1246 ( 2016.01 )  
 H01M 8/2425 ( 2016.01 )  
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 A61K 9/20 ( 2006.01 )  
 A61K 9/28 ( 2006.01 )  
 A61K 31/606 ( 2006.01 )  
 A61K 47/38 ( 2006.01 )  
 A61P 1/00 ( 2006.01 )  
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 A61P 35/00 (2006.01)  
 C07K 14/705 (2006.01)  
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 C22B 3/10 (2006.01)  
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 A61B 5/055 (2006.01)  
 G01N 24/14 (2006.01)  
 G01R 33/34 (2006.01)  
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 C07D 231/38 (2006.01)  
 A01N 43/56 (2006.01)  
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 A61P 19/00 (2006.01)  
 A61K 31/7105 (2006.01)  
 A61P 21/00 (2006.01)  
 A61P 25/00 (2006.01)  
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 A61K 31/65 (2006.01)  
 A61P 31/04 (2006.01)  
 C07C 237/26 (2006.01)  
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 (51) Int. Cl.  
 G06N 5/04 (2006.01)  
 C12Q 1/6869 (2018.01)  
 C12Q 1/6886 (2018.01)  
 G16B 20/00 (2019.01)  
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 G01N 1/02 (2006.01)  
 C12Q 1/6888 (2018.01)  
 G01N 1/04 (2006.01)  
 G01N 1/40 (2006.01)  
 G01N 33/02 (2006.01)  
 G01N 35/02 (2006.01)  
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**(51)** Int. Cl.  
*H02M 1/32* ( 2007.01 )  
*H02M 3/155* ( 2006.01 )  
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*H02M 7/48* ( 2007.01 )  
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*C12N 5/0783* ( 2010.01 )  
*A61K 35/17* ( 2015.01 )  
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*A61K 31/519* ( 2006.01 )  
*C07D 487/14* ( 2006.01 )  
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*G16H 40/40* ( 2018.01 )  
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**(51)** Int. Cl.  
*A61B 1/00* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
*A61M 16/04* ( 2006.01 )  
*A61M 25/02* ( 2006.01 )  
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**(51)** Int. Cl.  
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*A61M 16/04* ( 2006.01 )  
**(87)** WO2020/106666  
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*C04B 24/26* ( 2006.01 )  
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*C04B 28/02* ( 2006.01 )  
*C04B 40/00* ( 2006.01 )  
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**(21)** 2019330471 **(22)** 11.08.2019  
**(54)** Improved wheel and wheel attachment  
**(51)** Int. Cl.  
*B60C 13/00* ( 2006.01 )  
*B60B 11/00* ( 2006.01 )  
*B60B 15/26* ( 2006.01 )  
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*H01M 8/18* ( 2006.01 )  
*C08F 220/14* ( 2006.01 )  
*H01M 10/0565* ( 2010.01 )  
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*C12Q 1/6888* ( 2018.01 )  
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*G06T 17/05* ( 2011.01 )  
*G06T 17/10* ( 2006.01 )  
*G06T 17/30* ( 2006.01 )  
*H04N 13/20* ( 2018.01 )  
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**F21V 29/503** ( 2015.01 )  
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**F21V 29/70** ( 2015.01 )  
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**A61K 31/4375** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 31/437** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
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A61K 39/12 (2006.01)

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A61P 31/18 (2006.01)

C07K 14/005 (2006.01)

C12N 15/86 (2006.01)

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C12N 5/10 (2006.01)

C12N 15/13 (2006.01)

C12N 15/63 (2006.01)

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A21D 2/16 (2006.01)

A21D 13/16 (2017.01)

A23D 9/00 (2006.01)

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H01L 51/00 (2006.01)

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F16L 13/14 (2006.01)

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H01M 10/48 (2006.01)

G01R 31/371 (2019.01)

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H02J 7/00 (2006.01)

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C08L 5/02 (2006.01)

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F16F 15/023 (2006.01)

F16F 15/04 (2006.01)

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C07K 14/505 (2006.01)

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 F16B 2/00 ( 2006.01 )  
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 B62D 55/20 ( 2006.01 )  
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 A61K 35/17 ( 2015.01 )  
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 C12N 5/0789 ( 2010.01 )  
 A61K 35/545 ( 2015.01 )  
 A61P 31/00 ( 2006.01 )  
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 (51) Int. Cl.  
 A45D 7/04 ( 2006.01 )  
 A45D 2/00 ( 2006.01 )  
 A45D 19/02 ( 2006.01 )  
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 (54) Method for controlling refrigerator  
 (51) Int. Cl.  
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 F25B 5/02 ( 2006.01 )  
 F25B 49/02 ( 2006.01 )  
 F25D 11/02 ( 2006.01 )  
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 (51) Int. Cl.  
 F25D 29/00 ( 2006.01 )  
 F25B 5/02 ( 2006.01 )  
 F25B 49/02 ( 2006.01 )  
 F25D 11/02 ( 2006.01 )  
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 D06F 58/12 ( 2006.01 )

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**D06F 71/29** ( 2006.01 )  
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 paratus  
**(51)** Int. Cl.  
**D06F 58/30** ( 2020.01 )  
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**(54)** Laundry treating apparatus  
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**D06F 58/12** ( 2006.01 )  
**D06F 35/00** ( 2006.01 )  
**D06F 58/24** ( 2006.01 )  
**D06F 58/26** ( 2006.01 )  
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**G01N 33/74** ( 2006.01 )  
**H01J 49/00** ( 2006.01 )  
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**(54)** Improved process of programming field  
 programmable gate arrays using partial  
 reconfiguration  
**(51)** Int. Cl.  
**G06F 9/44** ( 2018.01 )  
**G06F 8/41** ( 2018.01 )  
**G06F 8/60** ( 2018.01 )  
**G06F 9/06** ( 2006.01 )  
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**H03K 19/173** ( 2006.01 )  
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 Ltd.  
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 and application thereof  
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 Science and Technology Organisation  
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**(54)** An improved electrochemical cell ar-  
 rangement and method for separating  
 impurities  
**(51)** Int. Cl.  
**C22B 26/10** ( 2006.01 )  
**B01D 61/44** ( 2006.01 )  
**C25B 1/34** ( 2006.01 )  
**C25B 1/46** ( 2006.01 )  
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 compositions and methods for use  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
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 purities from electrolytes  
**(51)** Int. Cl.  
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**H01M 8/06** ( 2016.01 )  
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**F01D 25/00** ( 2006.01 )  
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 C07D 401/04 ( 2006.01 )  
 A61K 31/519 ( 2006.01 )  
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 C07D 401/14 ( 2006.01 )  
 C07D 405/14 ( 2006.01 )  
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**G01N 21/78** ( 2006.01 )  
**G01N 31/22** ( 2006.01 )  
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**G01V 9/00** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A61G 7/05** ( 2006.01 )  
**C08G 63/06** ( 2006.01 )  
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H05B 6/06 (2006.01)					
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A01N 43/54 (2006.01)					
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A01P 5/00 (2006.01)					
A01P 7/02 (2006.01)					
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A61K 31/4439 (2006.01)					
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A61P 33/14 (2006.01)					
C07D 401/04 (2006.01)					
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**(71)** Nippon Steel Corporation; University of  
 Iowa Research Foundation  
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**(54)** Wheel for railway vehicle  
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**B60B 17/00** ( 2006.01 )  
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**(11)** AU-A-2019337890  
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**(54)** Rail, and method for manufacturing rail  
**(51)** Int. Cl.  
**C22C 38/00** ( 2006.01 )  
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 always-on attribute of a pdu session  
 and for providing interworking aspects  
 with respect to an always-on PDU ses-  
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**(51)** Int. Cl.  
**H04W 76/10** ( 2018.01 )  
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**(72)** WON, Sung Hwan  
**(74)** WRAYS PTY LTD

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**(21)** 2019336340 **(22)** 02.09.2019  
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 al and method for agricultural product  
 packaging material production  
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**B65D 65/14** ( 2006.01 )  
**B65H 18/28** ( 2006.01 )  
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**A61K 35/17** ( 2015.01 )  
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 Bacillus  
**(51)** Int. Cl.  
**A01N 63/00** ( 2020.01 )  
**A01P 7/04** ( 2006.01 )  
**C07K 14/32** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
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**(71)** Novozymes BioAg A/S  
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 insect viruses  
**(51)** Int. Cl.  
**A01N 63/00** ( 2020.01 )  
**A01P 7/04** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 14/195** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
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 power generation  
**(51)** Int. Cl.  
**F16C 33/62** ( 2006.01 )  
**C23C 14/06** ( 2006.01 )  
**F16C 19/36** ( 2006.01 )  
**F16C 19/38** ( 2006.01 )  
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**(54)** User terminal and wireless communication method  
**(51)** Int. Cl.  
**H04L 1/16** ( 2006.01 )  
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**H04W 72/12** ( 2009.01 )  
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**C07K 7/06** ( 2006.01 )  
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**A61K 31/732** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 34/20** ( 2016.01 )

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**A61B 17/32** ( 2006.01 )  
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**(72)** FINLEY, Eric; SMITH, Justin  
**(74)** Phillips Ormonde Fitzpatrick

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**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**A61M 25/10** ( 2013.01 )  
**A61M 27/00** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
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**A61K 38/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61G 5/04** ( 2013.01 )  
**A47C 1/00** ( 2006.01 )  
**A47C 7/02** ( 2006.01 )  
**A61G 5/10** ( 2006.01 )  
**A61G 5/14** ( 2006.01 )  
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**C07K 5/037** ( 2006.01 )  
**A61K 31/315** ( 2006.01 )  
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**E02D 7/22** ( 2006.01 )  
**E02D 5/80** ( 2006.01 )  
**E02D 27/50** ( 2006.01 )  
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**D01F 1/08** ( 2006.01 )  
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**G01R 33/561** ( 2006.01 )  
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**A41D 31/08** ( 2019.01 )  
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**D03D 1/00** ( 2006.01 )  
**D03D 15/513** ( 2021.01 )  
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**A47C 19/02** ( 2006.01 )  
**A61G 7/002** ( 2006.01 )  
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**F02M 61/20** ( 2006.01 )  
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**A24F 47/00** ( 2020.01 )  
**A61M 11/00** ( 2006.01 )  
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 Haier Smart Home Co., Ltd.; Haier US  
 Appliance Solutions, Inc.  
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 (51) Int. Cl.  
**A61K 31/4406** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (51) Int. Cl.  
**B05D 3/00** ( 2006.01 )  
**B05D 5/06** ( 2006.01 )  
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**B05D 3/06** ( 2006.01 )  
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- (71) Siemens Energy Global GmbH & Co. Kg  
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 (21) 2019351610 (22) 12.09.2019  
 (54) PV-device having reduced aging  
 (51) Int. Cl.  
**G01K 7/16** ( 2006.01 )  
**G01K 7/42** ( 2006.01 )  
**H02S 50/10** ( 2014.01 )  
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- (71) SignalChem Lifesciences Corporation  
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 (54) Combination therapy for treating blood cancer  
 (51) Int. Cl.  
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**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
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 (21) 2019353945 (22) 30.09.2019
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 (54) Polyurethane composition having a low content of monomeric diisocyanates  
 (51) Int. Cl.  
**C08G 18/48** ( 2006.01 )  
**C08G 18/10** ( 2006.01 )  
**C08G 18/24** ( 2006.01 )  
**C08G 18/30** ( 2006.01 )  
**C08G 18/32** ( 2006.01 )  
**C08G 18/42** ( 2006.01 )  
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**C08G 18/76** ( 2006.01 )  
**C09D 175/08** ( 2006.01 )  
**C09J 175/08** ( 2006.01 )  
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 (74) WRAYS PTY LTD
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 (54) Isocyanate-group-containing polymer having a low content of monomeric diisocyanates  
 (51) Int. Cl.  
**C08G 18/48** ( 2006.01 )  
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**C08G 18/24** ( 2006.01 )  
**C08G 18/30** ( 2006.01 )  
**C08G 18/32** ( 2006.01 )  
**C08G 18/42** ( 2006.01 )  
**C08G 18/76** ( 2006.01 )  
**C09D 175/08** ( 2006.01 )  
**C09J 175/08** ( 2006.01 )  
 (87) WO2020/030608  
 (31) 18187905.7 (32) 08.08.18 (33) EP  
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 (72) SCHLUMPF, Michael; REIMANN, Sven; DURMIC, Berzad  
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 (21) 2019335071 (22) 06.09.2019  
 (54) Knee prosthesis tibial componentry having interchangeable components  
 (51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
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 (74) Patentec Patent Attorneys
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 (21) 2019335071 (22) 06.09.2019  
 (54) Knee prosthesis tibial componentry having interchangeable components  
 (51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
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 (74) Patentec Patent Attorneys
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- (71) Hardener for epoxy resins  
 (51) Int. Cl.  
**C08G 59/50** ( 2006.01 )  
**C08L 63/00** ( 2006.01 )  
**C09D 163/00** ( 2006.01 )  
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 (54) Antibody conjugates of toll-like receptor agonists  
 (51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
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 (72) SMITH, Sean Wesley; COBURN, Craig Alan  
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 (54) Compositions for the treatment of disease with immune stimulatory conjugates  
 (51) Int. Cl.  
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**A61P 31/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (21) 2019308821 (22) 24.07.2019  
 (54) Bag on valve technology  
 (51) Int. Cl.  
**B65D 83/32** ( 2006.01 )  
**B05B 7/28** ( 2006.01 )  
**B65D 83/62** ( 2006.01 )  
**B65D 83/66** ( 2006.01 )  
**B65D 83/68** ( 2006.01 )  
**B05B 7/04** ( 2006.01 )  
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 (21) 2019358516 (22) 11.10.2019  
 (54) Computer implemented method of planning a restorative dental treatment  
 (51) Int. Cl.  
**A61C 13/00** ( 2006.01 )  
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 (31) 18200195.8 (32) 12.10.18 (33) EP  
 (43) 16.04.2020  
 (72) SCHNEIDER, Sascha; DERZAPF, Evgenij  
 (74) Patent Attorney Services
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- (71) Skilled Global Investments Limited  
 (11) AU-A-2020282382  
 (21) 2020282382 (22) 26.05.2020  
 (54) Fabrics having improved moisture transport properties  
 (51) Int. Cl.  
**D03D 15/00** ( 2006.01 )  
**D02G 3/04** ( 2006.01 )  
**D03D 1/00** ( 2006.01 )  
**D03D 11/00** ( 2006.01 )  
**D04B 1/14** ( 2006.01 )  
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 (43) 03.12.2020  
 (72) LAU, Chun Kee  
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- (71) Société des Produits Nestlé S.A.  
 (11) AU-A-2019394578  
 (21) 2019394578 (22) 20.11.2019  
 (54) Food or beverage product with agglomerated pea protein  
 (51) Int. Cl.  
**A23L 2/62** ( 2006.01 )  
**A23C 11/06** ( 2006.01 )  
**A23J 3/14** ( 2006.01 )  
**A23J 3/28** ( 2006.01 )  
**A23L 2/66** ( 2006.01 )  
**A23L 23/00** ( 2016.01 )  
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 (74) Shelston IP Pty Ltd.
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 (21) 2019324115 (22) 12.08.2019  
 (54) Cooling body support cushion and pillow  
 (51) Int. Cl.  
**A47C 7/74** ( 2006.01 )  
**A47C 27/14** ( 2006.01 )  
**A47C 27/15** ( 2006.01 )  
**A47G 9/10** ( 2006.01 )  
 (87) WO2020/041028  
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 (43) 27.02.2020  
 (72) SMIDERLE, Mark  
 (74) Griffith Hack
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- (71) Soft-Tex International, Inc.  
 (11) AU-A-2019325424  
 (21) 2019325424 (22) 26.08.2019  
 (54) Mattress, cooling pad or mat, mattress protector  
 (51) Int. Cl.  
**A47C 7/74** ( 2006.01 )  
**A47C 27/14** ( 2006.01 )  
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 (31) PCT/US2019/046242 (32) 12.08.19 (33) US  
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- (71) Solar Hardscapes LLC  
 (11) AU-A-2019318770  
 (21) 2019318770 (22) 06.08.2019  
 (54) Landscape pavers for ground installation of photovoltaic panels, landscape paver installations, and installation methods  
 (51) Int. Cl.  
**E01C 13/04** ( 2006.01 )  
**H01L 31/042** ( 2014.01 )  
**H01L 31/048** ( 2014.01 )  
**H02S 30/10** ( 2014.01 )  
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 (31) 62/764,495 (32) 06.08.18 (33) US  
 (43) 13.02.2020  
 (72) BYLES, Joe Don  
 (74) RnB IP Pty Ltd
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 (21) 2019309529 (22) 29.07.2019  
 (54) Systems and methods for alumina production  
 (51) Int. Cl.  
**C01F 7/06** ( 2006.01 )  
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 (31) 62/703,905 (32) 27.07.18 (33) US  
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 (72) ROSCOE, Clive; ANDERMANN, Lawrence J.  
 (74) AJ PARK
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- (71) Solivus Limited  
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 (21) 2019323746 (22) 20.08.2019  
 (54) A solar electrical generator  
 (51) Int. Cl.  
**H02S 20/30** ( 2014.01 )  
**H02S 10/12** ( 2014.01 )  
**H02S 20/32** ( 2014.01 )  
**H02S 30/20** ( 2014.01 )  
 (87) WO2020/039181  
 (31) 1813878.4 (32) 24.08.18 (33) GB
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- (71) Sotio, LLC  
 (11) AU-A-2019336229  
 (21) 2019336229 (22) 06.09.2019  
 (54) Chimeric receptor polypeptides in combination with trans metabolism molecules modulating intracellular lactate concentrations and therapeutic uses thereof  
 (51) Int. Cl.  
**C12N 15/52** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
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 (72) MCGINNESS, Kathleen; ETENBERG, Seth; BARRON, Luke; FRAY, Michael; WILSON, Charles; MOTZ, Gregory  
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- (71) Source Vagabond Systems Ltd.  
 (11) AU-A-2019330382  
 (21) 2019330382 (22) 05.08.2019  
 (54) Protective combat clothing  
 (51) Int. Cl.  
**A41D 13/00** ( 2006.01 )  
**A41D 13/015** ( 2006.01 )  
**A41D 31/08** ( 2019.01 )  
**A62B 17/00** ( 2006.01 )  
 (87) WO2020/044328  
 (31) 261474 (32) 29.08.18 (33) IL  
 (43) 05.03.2020  
 (72) GILL, Yoram  
 (74) IP SOLVED (ANZ) PTY. LTD.
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- (71) Spacecraft Seven, LLC  
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 (21) 2019321612 (22) 16.08.2019  
 (54) Production methods for viral vectors  
 (51) Int. Cl.  
**A61K 38/21** ( 2006.01 )  
**C07K 14/56** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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- (71) Spark Therapeutics, Inc.  
 (11) AU-A-2019325688  
 (21) 2019325688 (22) 23.08.2019  
 (54) Optimized promoter sequences, intron-free expression constructs and methods of use  
 (51) Int. Cl.  
**A61K 38/37** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )

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**C12N 7/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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 62/725,096 30.08.18 US  
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**(43)** 27.02.2020  
**(72)** ANGUELA, Xavier; ELKOUBY, Liron  
**(74)** RnB IP Pty Ltd
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- (71)** Splashlight Holding LLC  
**(11)** AU-A-2019327554  
**(21)** 2019327554 **(22)** 30.08.2019  
**(54)** Technologies for enabling analytics of computing events based on augmented canonicalization of classified images  
**(51)** Int. Cl.  
**G06T 19/20** ( 2011.01 )  
**G06F 16/53** ( 2019.01 )  
**G06F 16/56** ( 2019.01 )  
**G06F 16/58** ( 2019.01 )  
**G06T 19/00** ( 2011.01 )  
**(87)** WO2020/047416  
**(31)** 62/724,905 **(32)** 30.08.18 **(33)** US  
**(43)** 05.03.2020  
**(72)** INGRAM, James A.; LAGARDE, Benoit; GUNTHER, Peter; KEEBER, Jason; WALSHAM, Thomas; VARGA, James; ZUCKER, Josh  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** SPX Flow Technology Danmark A/S  
**(11)** AU-A-2019327184  
**(21)** 2019327184 **(22)** 30.08.2019  
**(54)** Process for producing milk and milk-related products with extended shelf life  
**(51)** Int. Cl.  
**A23C 3/02** ( 2006.01 )  
**A23C 7/04** ( 2006.01 )  
**(87)** WO2020/043907  
**(31)** PA201870562 **(32)** 31.08.18 **(33)** DK  
**(43)** 05.03.2020  
**(72)** NIELSEN, Rene Jeppe; SLOTS, Torben; POULSEN, Ole  
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- (71)** Stahlkontor GmbH & Co. KG  
**(11)** AU-A-2020277590  
**(21)** 2020277590 **(22)** 27.04.2020  
**(54)** Dual laser-hybrid process  
**(51)** Int. Cl.  
**B23K 26/70** ( 2014.01 )  
**B23K 26/24** ( 2014.01 )  
**B23K 26/348** ( 2014.01 )  
**B23K 26/60** ( 2014.01 )  
**B23K 103/04** ( 2006.01 )  
**(87)** WO2020/233945  
**(31)** 10-2019-113 697.0 **(32)** 22.05.19 **(33)** DE  
**(43)** 26.11.2020  
**(72)** LITSCHMANN, Roman; DRAWE, Heiko  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Stamets, P.  
**(11)** AU-A-2019330774  
**(21)** 2019330774 **(22)** 26.08.2019
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- (54)** Bee feeder having labyrinthine portal  
**(51)** Int. Cl.  
**A01K 47/00** ( 2006.01 )  
**A01K 51/00** ( 2006.01 )  
**A01K 53/00** ( 2006.01 )  
**A01K 67/00** ( 2006.01 )  
**(87)** WO2020/046775  
**(31)** 62/723,502 **(32)** 28.08.18 **(33)** US  
**(43)** 05.03.2020  
**(72)** STAMETS, Paul Edward  
**(74)** Griffith Hack
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- (71)** Standard Process, Inc.  
**(11)** AU-A-2019320764  
**(21)** 2019320764 **(22)** 13.08.2019  
**(54)** Plant based compositions and methods for the delivery of magnesium  
**(51)** Int. Cl.  
**A01N 37/02** ( 2006.01 )  
**A01N 59/00** ( 2006.01 )  
**A01N 59/06** ( 2006.01 )  
**(87)** WO2020/036956  
**(31)** 62/718,127 **(32)** 13.08.18 **(33)** US  
**(43)** 20.02.2020  
**(72)** EL-KHODOR, Bassem F.; TROUP, John; METZGER, Brandon  
**(74)** Spruson & Ferguson
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- (71)** State Grid Corporation of China; State Grid Electronic Commerce Co., Ltd.; State Grid Xiong'an Financial Technology Group Co., Ltd.  
**(11)** AU-A-2019448286  
**(21)** 2019448286 **(22)** 18.06.2019  
**(54)** Method and device employing smart contract to realize identity-based key management  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**(87)** WO2020/237751  
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**(72)** YANG, Dongwei; WANG, Dong; JIANG, Wei; ZHEN, Ping; XUAN, Jiaying; LI, Guomin; SHI, Xin; MA, Wanli; MA, Junwei; WANG, Yang; ZHOU, Lei  
**(74)** Madderns Pty Ltd
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- (71)** Stemlab Inc.  
**(11)** AU-A-2019328089  
**(21)** 2019328089 **(22)** 28.08.2019  
**(54)** Direct de-differentiation of urine cell into neural stem cell using synthetic messenger RNA  
**(51)** Int. Cl.  
**C12N 5/0797** ( 2010.01 )  
**A61K 35/30** ( 2015.01 )  
**A61P 25/28** ( 2006.01 )  
**(87)** WO2020/045990  
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**(43)** 05.03.2020  
**(72)** YOU, Seung Kwon; KANG, Phil Jun; SON, Da Ryeon; HONG, Won Jun; YUN, Won Jin; LEE, Jang Bo; PARK, Gyu Man; KIM, In Yong; PARK, Jung Hyun; ZHENG, Jie; GAO, Wei Wei; JANG, Ji Hoon; JUN, Eun Kyoung; YOON, Byung Sun  
**(74)** WRAYS PTY LTD
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- (71)** Stevlos B.V.  
**(11)** AU-A-2019329023  
**(21)** 2019329023 **(22)** 30.08.2019  
**(54)** Chain tensioner with chain switch device  
**(51)** Int. Cl.  
**B63B 21/18** ( 2006.01 )  
**B63B 21/20** ( 2006.01 )  
**B63B 21/22** ( 2006.01 )  
**B63B 21/50** ( 2006.01 )  
**(87)** WO2020/046127  
**(31)** 2021529 **(32)** 30.08.18 **(33)** NL  
**(43)** 05.03.2020  
**(72)** REMMERS, Victor Maria Wilhelm Gerard  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** Stone Lock Global, Inc.  
**(11)** AU-A-2019322625  
**(21)** 2019322625 **(22)** 23.07.2019  
**(54)** Methods and apparatus for facial recognition  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**G06F 21/32** ( 2013.01 )  
**G06F 21/62** ( 2013.01 )  
**G06K 9/46** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )  
**(87)** WO2020/036710  
**(31)** 16/104,826 **(32)** 17.08.18 **(33)** US  
**(43)** 20.02.2020  
**(72)** TRANI, James; DUNLAP, David Douglas  
**(74)** Griffith Hack
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**(11)** AU-A-2018435573  
**(21)** 2018435573 **(22)** 06.08.2018  
**(54)** Fireproof composition  
**(51)** Int. Cl.  
**A62D 1/00** ( 2006.01 )  
**(87)** WO2020/030830  
**(43)** 13.02.2020  
**(72)** PERALES BAÑON, Ramon  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Sumitomo Dainippon Pharma Co., Ltd.  
**(11)** AU-A-2019318888  
**(21)** 2019318888 **(22)** 06.08.2019  
**(54)** Diagnostic drug and diagnostic method for alzheimer's disease  
**(51)** Int. Cl.  
**C12N 15/12** ( 2006.01 )  
**A61K 45/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**G01N 33/15** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
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**G01N 33/531** ( 2006.01 )  
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 (74) Griffith Hack
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- (71) Sumitomo Forestry Co., Ltd.  
 (11) AU-A-2019349142  
 (21) 2019349142 (22) 24.09.2019  
 (54) Technique for controlling molecular weight of PHA copolymer produced by halobacterium  
 (51) Int. Cl.  
 C12P 7/62 ( 2006.01 )  
 C08G 63/06 ( 2006.01 )  
 C08G 63/78 ( 2006.01 )  
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 (87) WO2020/066987  
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- (71) Towarra Holdings Pty. Ltd.  
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 (21) 2019362275 (22) 21.05.2019  
 (54) Target display device  
 (51) Int. Cl.  
 F41G 3/02 ( 2006.01 )  
 F41G 3/16 ( 2006.01 )  
 F41G 3/18 ( 2006.01 )  
 F41G 11/00 ( 2006.01 )
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 (43) 23.04.2020  
 (72) WHITFIELD, Samuel  
 (74) Cotters Patent & Trade Mark Attorneys
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- (71) Trackonomy Systems, Inc.  
 (11) AU-A-2019308300  
 (21) 2019308300 (22) 18.07.2019  
 (54) Hierarchical combination of distributed statistics in a monitoring network  
 (51) Int. Cl.  
 G06Q 10/06 ( 2012.01 )  
 G06Q 10/08 ( 2012.01 )  
 G06Q 50/28 ( 2012.01 )  
 H04L 29/08 ( 2006.01 )
- (87) WO2020/018849  
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 (43) 23.01.2020  
 (72) KHOICHE, Ajay  
 (74) Madderns Pty Ltd
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- (71) Treos Bio Limited  
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 (21) 2019333861 (22) 03.09.2019  
 (54) Immunogenetic cancer screening test  
 (51) Int. Cl.  
 G01N 33/574 ( 2006.01 )  
 A61K 38/03 ( 2006.01 )
- (87) WO2020/048992  
 (31) 1814361.0 (32) 04.09.18 (33) GB  
 (43) 12.03.2020  
 (72) LISZEWICZ, Julianna; MOLNAR, Levente; TOKE, Eniko; TOTH, József; LORINCZ, Orsolya; CSISZOVSKAI, Zsolt; SOMOGYI, Eszter; PANTYA, Katalin; PÁLES, Péter; MIKLÓS, István; MEGYESI, Mónika  
 (74) Davies Collison Cave Pty Ltd
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- (71) Treos Bio Limited  
 (11) AU-A-2019334261  
 (21) 2019334261 (22) 03.09.2019  
 (54) Process for preparing vaccine compositions  
 (51) Int. Cl.  
 C07K 14/47 ( 2006.01 )
- (87) WO2020/048995  
 (31) 1814362.8 (32) 04.09.18 (33) GB

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 (72) LISZEWICZ, Julianna; MOLNAR, Levente; TOKE, Eniko; TOTH, József; LORINCZ, Orsolya; CSISZOVSKAI, Zsolt; SOMOGYI, Eszter; PANTYA, Katalin; MEGYESI, Mónika; PÁLES, Péter  
 (74) Davies Collison Cave Pty Ltd
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- (71) Treos Bio Limited  
 (11) AU-A-2019334437  
 (21) 2019334437 (22) 03.09.2019  
 (54) Peptide vaccines  
 (51) Int. Cl.  
 A61K 39/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 G01N 33/50 ( 2006.01 )  
 G01N 33/569 ( 2006.01 )
- (87) WO2020/048990  
 (31) 1814364.4 (32) 04.09.18 (33) GB  
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 1814367.7 04.09.18 GB
- (43) 12.03.2020  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Triad National Security, LLC  
 (11) AU-A-2019319155  
 (21) 2019319155 (22) 06.08.2019  
 (54) Modeling anomalousness of new subgraphs observed locally in a dynamic graph based on subgraph attributes  
 (51) Int. Cl.  
 G06F 21/55 ( 2013.01 )  
 G06F 16/28 ( 2019.01 )
- (87) WO2020/033404  
 (31) 62/715,686 (32) 07.08.18 (33) US  
 (43) 13.02.2020  
 (72) FISK, Michael Edward; NEIL, Joshua Charles  
 (74) James & Wells Intellectual Property
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- (71) Truma Gerätetechnik GmbH & Co. KG  
 (11) AU-A-2019325200  
 (21) 2019325200 (22) 09.08.2019  
 (54) Heating device for heating air  
 (51) Int. Cl.  
 F24H 3/04 ( 2006.01 )  
 F24H 9/18 ( 2006.01 )  
 F28F 1/10 ( 2006.01 )
- (87) WO2020/038736  
 (31) 10 2018 006 595.3 (32) 21.08.18 (33) DE  
 (43) 27.02.2020  
 (72) ARMBRUSTER, Uwe; JÄGER, Markus; LAGING, Johannes  
 (74) Spruson & Ferguson
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- (71) Trustees of Boston University  
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 (21) 2019312681 (22) 02.08.2019  
 (54) Late SV40 factor (LSF) inhibitors  
 (51) Int. Cl.

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**A61K 31/4741** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 62/713,741 **(32)** 02.08.18 **(33)** US  
**(43)** 06.02.2020  
**(72)** SCHAUS, Scott Edward; HANSEN, Ulla; CHIN, Hang Gyeong  
**(74)** FB Rice Pty Ltd
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- (71)** Trustees of Dartmouth College  
**(11)** AU-A-2019335005  
**(21)** 2019335005 **(22)** 05.09.2019  
**(54)** C19 scaffolds and steroids and methods of use and manufacture thereof  
**(51)** Int. Cl.  
**C07J 1/00** ( 2006.01 )  
**C07J 3/00** ( 2006.01 )  
**C07J 75/00** ( 2006.01 )  
**(87)** WO2020/051329  
**(31)** 62/728,163 **(32)** 07.09.18 **(33)** US  
 62/829,722 05.04.19 US  
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**(43)** 12.03.2020  
**(72)** MICALIZIO, Glenn C.; GAUR, Arti B.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Tsukishima Kikai Co., Ltd.  
**(11)** AU-A-2019391811  
**(21)** 2019391811 **(22)** 28.02.2019  
**(54)** Solid-liquid separation device and filtration device  
**(51)** Int. Cl.  
**B01D 33/04** ( 2006.01 )  
**B01D 39/08** ( 2006.01 )  
**(87)** WO2020/115921  
**(31)** 2018-229943 **(32)** 07.12.18 **(33)** JP  
**(43)** 11.06.2020  
**(72)** SHIMADA, Jun; SUGA, Toshihiro; CHIN, Takayoshi; KURITA, Shinpei; FURUKAWA, Tomohiro  
**(74)** Spruson & Ferguson
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- (71)** Uluthando Pty Ltd  
**(11)** AU-A-2019338427  
**(21)** 2019338427 **(22)** 07.08.2019  
**(54)** Hot tapping drill apparatus  
**(51)** Int. Cl.  
**F16L 41/04** ( 2006.01 )  
**(87)** WO2020/051627  
**(31)** 2018903390 **(32)** 10.09.18 **(33)** AU  
**(43)** 19.03.2020  
**(72)** WORST, Barend  
**(74)** Patenteur Pty Ltd
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- (71)** Universidad CES.  
**(11)** AU-A-2019304252  
**(21)** 2019304252 **(22)** 18.07.2019  
**(54)** Device for measuring morphological length, based on angular laser technique (ALT), and associated method  
**(51)** Int. Cl.  
**G01B 11/02** ( 2006.01 )  
**G01B 11/26** ( 2006.01 )  
**(87)** WO2020/016832  
**(31)** NC2018/0007596 **(32)** 19.07.18 **(33)** CO
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**(72)** ALZATE BASTO, Luis Esteban; ORTIZ MEJIA, Diego Alejandro; VANEGAS GIRALDO, David  
**(74)** IP SOLVED (ANZ) PTY. LTD.
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- (71)** Universiteit Gent  
**(11)** AU-A-2019337382  
**(21)** 2019337382 **(22)** 10.09.2019  
**(54)** Compositions for use to treat advanced glycation end products-dependent ocular diseases  
**(51)** Int. Cl.  
**A61K 38/45** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(87)** WO2020/053188  
**(31)** 18194420.8 **(32)** 14.09.18 **(33)** EP  
 19184875.3 08.07.19 EP  
**(43)** 19.03.2020  
**(72)** DELANGHE, Joris; VAN AKEN, Elisabeth  
**(74)** Spruson & Ferguson
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- (71)** University Hospitals Health System, Inc.  
**(11)** AU-A-2019334859  
**(21)** 2019334859 **(22)** 19.08.2019  
**(54)** Ocular device for treating glaucoma and related minimally invasive glaucoma surgery method  
**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
**A61M 27/00** ( 2006.01 )  
**(87)** WO2020/050968  
**(31)** 62/726,482 **(32)** 04.09.18 **(33)** US  
**(43)** 12.03.2020  
**(72)** ORGE, Faruk  
**(74)** Houlihan<sup>2</sup> Pty Ltd
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- (71)** University of Canberra  
**(11)** AU-A-2019338938  
**(21)** 2019338938 **(22)** 13.09.2019  
**(54)** Methods of inhibition  
**(51)** Int. Cl.  
**A61K 31/137** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 27/10** ( 2006.01 )  
**(87)** WO2020/051648  
**(31)** 2018903445 **(32)** 13.09.18 **(33)** AU  
**(43)** 19.03.2020  
**(72)** ASHBY, Regan Scott  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** University of Delaware  
**(11)** AU-A-2019344010  
**(21)** 2019344010 **(22)** 20.09.2019  
**(54)** Piezoelectric sensors comprising electrospun poly [(R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate] (PHBHx) nanofibers  
**(51)** Int. Cl.  
**G01L 1/16** ( 2006.01 )  
**H01L 41/08** ( 2006.01 )  
**H01L 41/193** ( 2006.01 )
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**(31)** 62/734,360 **(32)** 21.09.18 **(33)** US  
**(43)** 26.03.2020  
**(72)** RABOLT, John F.; GONG, Liang; CHASE, D. Bruce; NODA, Isao; SOBIESKI, Brian  
**(74)** Houlihan<sup>2</sup> Pty Ltd
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- (71)** University of Massachusetts  
**(11)** AU-A-2019316640  
**(21)** 2019316640 **(22)** 09.08.2019  
**(54)** Modified oligonucleotides targeting SN-Ps  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**C12N 15/11** ( 2006.01 )  
**(87)** WO2020/033899  
**(31)** 62/717,287 **(32)** 10.08.18 **(33)** US  
 62/825,429 28.03.19 US  
**(43)** 13.02.2020  
**(72)** KHVOROVA, Anastasia; ALTERMAN, Julia; CONROY, Faith; PFISTER, Edith; ARONIN, Neil; YAMADA, Ken  
**(74)** FB Rice Pty Ltd
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- (71)** UNM Rainforest Innovations; Edwards, J.; Szauder, P.; Sinclair, R.; Dimmler, K.  
**(11)** AU-A-2019319547  
**(21)** 2019319547 **(22)** 23.05.2019  
**(54)** Methods of detecting inherited myopathies in horses  
**(51)** Int. Cl.  
**C12N 1/6827** ( 2018.01 )  
**C07K 14/47** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )  
**(87)** WO2020/033026  
**(31)** 62/717,072 **(32)** 10.08.18 **(33)** US  
 62/737,295 27.09.18 US  
**(43)** 13.02.2020  
**(72)** EDWARDS, Jeremy Scott; SZAUTER, Paul; SINCLAIR, Robert B.; DIMMLER, Kirsten  
**(74)** A.P.T. Patent and Trade Mark Attorneys
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- (71)** VAN ROMPAY, B.G.  
**(11)** AU-A-2019339202  
**(21)** 2019339202 **(22)** 12.09.2019  
**(54)** Device for the removal of sludge and/or sand from the bottom of a wetland  
**(51)** Int. Cl.  
**E02F 3/88** ( 2006.01 )  
**B63C 11/44** ( 2006.01 )  
**E02F 3/92** ( 2006.01 )  
**(87)** WO2020/053801  
**(31)** 2018/5630 **(32)** 14.09.18 **(33)** BE  
**(43)** 19.03.2020  
**(72)** VAN ROMPAY, Boudewijn Gabriël  
**(74)** Halfords IP
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- (71)** Veolia Water Solutions & Technologies Support  
**(11)** AU-A-2019332755  
**(21)** 2019332755 **(22)** 13.08.2019  
**(54)** High recovery variable volume reverse osmosis membrane system  
**(51)** Int. Cl.

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

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**B01D 61/02** ( 2006.01 )  
**B01D 65/08** ( 2006.01 )  
**B01D 61/06** ( 2006.01 )  
**(87)** WO2020/046569  
**(31)** 62/724,107 **(32)** 29.08.18 **(33)** US  
**(43)** 05.03.2020  
**(72)** MACK, Bernard Roy; ROLLINGS, Kevin  
**(74)** Spruson & Ferguson
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- (71)** VeriGraft AB  
**(11)** AU-A-2019315049  
**(21)** 2019315049 **(22)** 02.08.2019  
**(54)** Methods of preparing personalized blood vessels  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**A61L 27/36** ( 2006.01 )  
**A61L 27/50** ( 2006.01 )  
**(87)** WO2020/026212  
**(31)** 62/714,200 **(32)** 03.08.18 **(33)** US  
**(43)** 06.02.2020  
**(72)** STREHL, Raimund  
**(74)** Spruson & Ferguson
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- (71)** Vexim S.A.  
**(11)** AU-A-2019331084  
**(21)** 2019331084 **(22)** 29.08.2019  
**(54)** Expanding implant with cutting blade  
**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**(87)** WO2020/044289  
**(31)** 62/724,768 **(32)** 30.08.18 **(33)** US  
**(43)** 05.03.2020  
**(72)** OGLAZA, Jean-Francois  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Viage SPRL  
**(11)** AU-A-2019327202  
**(21)** 2019327202 **(22)** 12.07.2019  
**(54)** Real size topography marking system  
**(51)** Int. Cl.  
**E04G 21/18** ( 2006.01 )  
**B25H 7/04** ( 2006.01 )  
**B25J 5/00** ( 2006.01 )  
**E04B 1/35** ( 2006.01 )  
**G01C 15/02** ( 2006.01 )  
**(87)** WO2020/044138  
**(31)** 2018/0094 **(32)** 29.08.18 **(33)** BE  
**(43)** 05.03.2020  
**(72)** AGIE DE SELSATEN, Vincent; AGIE DE SELSATEN, Olivier  
**(74)** Griffith Hack
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- (71)** Vinventions USA, LLC  
**(11)** AU-A-2019329382  
**(21)** 2019329382 **(22)** 31.07.2019  
**(54)** Decorative closure for a container  
**(51)** Int. Cl.  
**B65D 39/00** ( 2006.01 )  
**B65D 51/24** ( 2006.01 )  
**(87)** WO2020/046528  
**(31)** 62/725,473 **(32)** 31.08.18 **(33)** US
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- (43)** 05.03.2020  
**(72)** MILLER, Darrell James; AAGAARD, Olav Marcus; DUONG, Christine Phi Phuong  
**(74)** FB Rice Pty Ltd
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- (71)** Virginia Tech Intellectual Properties, Inc.  
**(11)** AU-A-2019314383  
**(21)** 2019314383 **(22)** 30.07.2019  
**(54)** Engineered hemichannels, engineered vesicles, and uses thereof  
**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**(87)** WO2020/028439  
**(31)** 62/712,067 **(32)** 30.07.18 **(33)** US  
 62/823,457 25.03.19 US  
 62/823,471 25.03.19 US  
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**(43)** 06.02.2020  
**(72)** GOURDIE, Robert G.; JOURDAN, L. Jane; ROGERS, Eda  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Vivera Pharmaceuticals INC.  
**(11)** AU-A-2019325522  
**(21)** 2019325522 **(22)** 21.08.2019  
**(54)** Smart inhaler device with automated dose delivery, measurement, and management  
**(51)** Int. Cl.  
**A61M 15/00** ( 2006.01 )  
**A24F 47/00** ( 2020.01 )  
**(87)** WO2020/041430  
**(31)** 16/106,575 **(32)** 21.08.18 **(33)** US  
**(43)** 27.02.2020  
**(72)** HATAMIAN, Mehdi; EDALAT, Paul  
**(74)** Caska Intellectual Property Pty Ltd
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- (71)** Vivo Mobile Communication Co.,Ltd.  
**(11)** AU-A-2019314923  
**(21)** 2019314923 **(22)** 31.07.2019  
**(54)** Control method, terminal and network element  
**(51)** Int. Cl.  
**H04W 60/00** ( 2009.01 )  
**(87)** WO2020/024970  
**(31)** 201810866294.4 **(32)** 01.08.18 **(33)** CN  
**(43)** 06.02.2020  
**(72)** KE, Xiaowan  
**(74)** Adams Pluck
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- (71)** Vivo Mobile Communication Co., Ltd.  
**(11)** AU-A-2019314815  
**(21)** 2019314815 **(22)** 19.07.2019  
**(54)** Redistribution method and terminal  
**(51)** Int. Cl.  
**H04W 76/18** ( 2018.01 )  
**(87)** WO2020/024812  
**(31)** 201810864515.4 **(32)** 01.08.18 **(33)** CN  
**(43)** 06.02.2020  
**(72)** BAO, Wei; YANG, Xiaodong  
**(74)** Adams Pluck
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- (71)** Vivo Mobile Communication Co., Ltd.  
**(11)** AU-A-2019315986  
**(21)** 2019315986 **(22)** 01.08.2019  
**(54)** Capacity indication method, and terminal and network-side network element  
**(51)** Int. Cl.  
**H04W 8/22** ( 2009.01 )  
**(87)** WO2020/025015  
**(31)** 201810866295.9 **(32)** 01.08.18 **(33)** CN  
**(43)** 06.02.2020  
**(72)** KE, Xiaowan  
**(74)** Adams Pluck
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- (71)** Washington State University  
**(11)** AU-A-2019313350  
**(21)** 2019313350 **(22)** 30.07.2019  
**(54)** Plant-based compositions for the protection of plants from cold damage  
**(51)** Int. Cl.  
**C08L 97/02** ( 2006.01 )  
**A01N 25/26** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**(87)** WO2020/028336  
**(31)** 62/712,135 **(32)** 30.07.18 **(33)** US  
**(43)** 06.02.2020  
**(72)** ZHANG, Xiao; MO, Changki; WHITING, Matthew David; ZHANG, Qin  
**(74)** Halfords IP
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- (71)** Waveseer, LLC  
**(11)** AU-A-2019343111  
**(21)** 2019343111 **(22)** 10.09.2019  
**(54)** Systems and methods for plant growing environment  
**(51)** Int. Cl.  
**A01G 27/00** ( 2006.01 )  
**A01G 9/02** ( 2018.01 )  
**A01G 9/029** ( 2018.01 )  
**A01G 31/02** ( 2006.01 )  
**(87)** WO2020/060796  
**(31)** 62/733,877 **(32)** 20.09.18 **(33)** US  
**(43)** 26.03.2020  
**(72)** SINGER, Robert  
**(74)** Halfords IP
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- (71)** Wavin B.V.  
**(11)** AU-A-2019310632  
**(21)** 2019310632 **(22)** 24.07.2019  
**(54)** A system and a method for building a road  
**(51)** Int. Cl.  
**E03F 1/00** ( 2006.01 )  
**E01C 3/00** ( 2006.01 )  
**E01C 5/00** ( 2006.01 )  
**E01C 11/22** ( 2006.01 )  
**(87)** WO2020/022888  
**(31)** 2021404 **(32)** 27.07.18 **(33)** NL  
**(43)** 30.01.2020  
**(72)** KOUDESTAAL, Anne Cornelis Pieter; JORRITSMA, Simon; BOSHOVE, Ant-onie Twan; JAGER, Harm Jantinus Marcel  
**(74)** Spruson & Ferguson

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

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(11) AU-A-2019317982  
(21) 2019317982 (22) 05.08.2019  
(54) An annular barrier system  
(51) Int. Cl.  
*E21B 33/124* ( 2006.01 )  
(87) WO2020/030577  
(31) 18187613.7 (32) 06.08.18 (33) EP  
18197786.9 28.09.18 EP  
(43) 13.02.2020  
(72) VASQUES, Ricardo Reves  
(74) Spruson & Ferguson
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- (71) WestRock Packaging Systems, LLC  
(11) AU-A-2019326017  
(21) 2019326017 (22) 16.08.2019  
(54) Carton and carton blank  
(51) Int. Cl.  
*B65D 71/36* ( 2006.01 )  
*B65D 5/02* ( 2006.01 )  
*B65D 5/46* ( 2006.01 )  
(87) WO2020/041118  
(31) 62/720,652 (32) 21.08.18 (33) US  
(43) 27.02.2020  
(72) BOUKREDINE, Eric  
(74) Spruson & Ferguson
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- (71) WestRock Packaging Systems, LLC  
(11) AU-A-2019326349  
(21) 2019326349 (22) 16.08.2019  
(54) Carton and blank therefor  
(51) Int. Cl.  
*B65D 71/20* ( 2006.01 )  
(87) WO2020/041131  
(31) 62/721,240 (32) 22.08.18 (33) US  
(43) 27.02.2020  
(72) MATSUBA, Yoko  
(74) Spruson & Ferguson
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- (71) With Great Power, LLC  
(11) AU-A-2019310122  
(21) 2019310122 (22) 25.07.2019  
(54) Clinical methods and pharmaceutical compositions employing ampa receptor antagonists to treat glioblastoma and other cancers  
(51) Int. Cl.  
*A61K 31/20* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61P 25/08* ( 2006.01 )  
(87) WO2020/023800  
(31) 62/703,951 (32) 27.07.18 (33) US  
62/796,032 23.01.19 US  
(43) 30.01.2020  
(72) RADIN, Daniel Pierce  
(74) Phillips Ormonde Fitzpatrick
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- (71) WOODIO OY  
(11) AU-A-2019342435  
(21) 2019342435 (22) 20.09.2019  
(54) Method of manufacturing moulded articles  
(51) Int. Cl.  
*B27N 3/20* ( 2006.01 )  
*B27N 1/00* ( 2006.01 )  
*B27N 3/02* ( 2006.01 )  
*B27N 3/04* ( 2006.01 )
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- (71) WOrxsafe AB; Vertemax Group Ltd  
(11) AU-A-2019334426  
(21) 2019334426 (22) 03.09.2019  
(54) A telescopic edge protection post  
(51) Int. Cl.  
*E04G 25/04* ( 2006.01 )  
*E04G 21/24* ( 2006.01 )  
*E04G 21/32* ( 2006.01 )  
*E04G 25/06* ( 2006.01 )  
*E04G 25/08* ( 2006.01 )  
*F16B 7/00* ( 2006.01 )  
(87) WO2020/048951  
(31) 18192903.5 (32) 06.09.18 (33) EP  
(43) 12.03.2020  
(72) HOLMBOM, Patrick; JÖNSSON, Bengt; TAYLOR, Gary  
(74) WRAYS PTY LTD
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- (71) Wright Medical Technology, Inc.  
(11) AU-A-2019344354  
(21) 2019344354 (22) 19.06.2019  
(54) Talar bone plate  
(51) Int. Cl.  
*A61F 2/30* ( 2006.01 )  
*A61F 2/42* ( 2006.01 )  
(87) WO2020/060602  
(31) 16/138,056 (32) 21.09.18 (33) US  
(43) 26.03.2020  
(72) SANDER, Elizabeth J.; DHILLON, Braham K.; ARMACOST, Scott A.  
(74) Spruson & Ferguson
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- (71) Yacyshyn, B.; Yacyshyn, M.  
(11) AU-A-2019325238  
(21) 2019325238 (22) 20.08.2019  
(54) Process and system for identifying individuals having a high risk of inflammatory bowel disease and a method of treatment  
(51) Int. Cl.  
*A61P 1/00* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*G01N 33/48* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
(87) WO2020/041287  
(31) 62/720,468 (32) 21.08.18 (33) US  
(43) 27.02.2020  
(72) YACYSHYN, Bruce R.; YACYSHYN, Mary E.  
(74) Spruson & Ferguson
- 
- (71) Yale University  
(11) AU-A-2019327572  
(21) 2019327572 (22) 31.08.2019  
(54) ENPP1 polypeptides and methods of using same  
(51) Int. Cl.
- 
- (71) Yale University  
(11) AU-A-2019328326  
(21) 2019328326 (22) 30.08.2019  
(54) Compositions and methods for enhancing triplex and nuclease-based gene editing  
(51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
*C12N 15/85* ( 2006.01 )  
*C12N 15/90* ( 2006.01 )  
(87) WO2020/047353  
(31) 62/725,852 (32) 31.08.18 (33) US  
(43) 05.03.2020  
(72) QUIJANO, Elias; RICCIARDI, Adele; BAHAL, Raman; TURCHICK, Audrey; ECONOMOS, Nicholas; SALTZMAN, W. Mark; GLAZER, Peter  
(74) RNB IP PTY LTD
- 
- (71) Yale University  
(11) AU-A-2019331009  
(21) 2019331009 (22) 30.08.2019  
(54) Compositions and methods for enhancing donor oligonucleotide-based gene editing  
(51) Int. Cl.  
*C12N 15/90* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
(87) WO2020/047344  
(31) 62/725,920 (32) 31.08.18 (33) US  
(43) 05.03.2020  
(72) QUIJANO, Elias; TURCHICK, Audrey; GLAZER, Peter  
(74) RNB IP PTY LTD
- 
- (71) ZATA Pharmaceuticals, Inc.  
(11) AU-A-2019310577  
(21) 2019310577 (22) 26.07.2019  
(54) Method for pathogens, microorganisms, and parasites inactivation  
(51) Int. Cl.  
*A61L 2/16* ( 2006.01 )  
*C07D 203/12* ( 2006.01 )  
(87) WO2020/023881  
(31) 62/711,241 (32) 27.07.18 (33) US  
(43) 30.01.2020  
(72) TABATADZE, David R.; YANACHKOV, Ivan B.; ZAVIZION, Boris V.  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Zipline Medical, Inc.  
(11) AU-A-2019329838

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

- (21) 2019329838 (22) 27.08.2019  
(54) Closure apparatuses and methods for  
ulcers and irregular skin defects  
(51) Int. Cl.  
**A61B 17/08** ( 2006.01 )  
(87) WO2020/046996  
(31) 62/725,705 (32) 31.08.18 (33) US  
(43) 05.03.2020  
(72) BELSON, Amir; ICHIRYU, Kei; STEW-  
ART, Daren; STORNE, Eric  
(74) Davies Collison Cave Pty Ltd



Numerical Index

<b>2018433724</b>	Millisecond Technologies Corp.	<b>2019302550</b>	Nanocytomics, LLC; Northwestern University
<b>2018434573</b>	Cryovac, LLC	<b>2019304252</b>	Universidad CES.
<b>2018434575</b>	Metso Outotec Finland Oy	<b>2019304532</b>	Grünenthal GmbH
<b>2018434788</b>	Cryovac, LLC	<b>2019306118</b>	B-Space
<b>2018434969</b>	Metso Outotec Finland Oy	<b>2019308175</b>	Corning Incorporated; Click, C.; Edmonston, J.; Fu, Q.; Hall, J.; Hubert, M.; Joshi, D.; Kittleson, A.; Kroemer, K.; Moore, G.; Rai, R.; Ridge, J.; SALTZER Jr., J.; Smith, C.; Stapleton, E.; Trosa, M.; Ukrainczyk, L.; Wilson, S.; Yang, B.; Zheng, Z.
<b>2018435033</b>	Guangzhou Xaircraft Technology Co., Ltd.	<b>2019308300</b>	Trackonomy Systems, Inc.
<b>2018435073</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019308326</b>	Lipocine Inc.
<b>2018435114</b>	Metso Outotec Finland Oy	<b>2019308812</b>	Mapei SpA
<b>2018435214</b>	Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO	<b>2019308821</b>	Simply Breathe Holdings Ltd
<b>2018435280</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019309370</b>	Schlage Lock Company LLC
<b>2018435310</b>	Metso Outotec Finland Oy	<b>2019309391</b>	Built Robotics Inc.
<b>2018435332</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019309392</b>	Built Robotics Inc.
<b>2018435341</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019309394</b>	Sarepta Therapeutics, Inc.
<b>2018435420</b>	Metso Outotec Finland Oy	<b>2019309472</b>	Good T Cells, Inc.
<b>2018435434</b>	NTT DoCoMo, Inc.	<b>2019309529</b>	Solenis Technologies, L.P.
<b>2018435573</b>	Success World S.L.	<b>2019309536</b>	Ignite Orthopedics LLC
<b>2018435851</b>	Samyang Corporation	<b>2019309537</b>	Ignite Orthopedics LLC
<b>2018435852</b>	Samyang Corporation	<b>2019309538</b>	Ignite Orthopedics LLC
<b>2018435988</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019309583</b>	McLaren Applied Technologies Limited
<b>2018436122</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019309673</b>	Ojjo, Inc.
<b>2018436187</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019309742</b>	Saipem S.p.A.
<b>2018436197</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019309766</b>	ICU Medical, Inc.
<b>2018436267</b>	ILYLT, LLC	<b>2019309849</b>	Bristol-Myers Squibb Company
<b>2018436803</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019309885</b>	Arcadis US Inc.
<b>2018436989</b>	BAHARIA, M.A.M.A.	<b>2019310021</b>	Ojjo, Inc.
<b>2018437107</b>	Moonshine Solutions AS	<b>2019310032</b>	Deep Science, LLC
<b>2018437298</b>	Hermetik Hydraulik AB	<b>2019310122</b>	With Great Power, LLC
<b>2018437306</b>	Hiperbaric, S.A.	<b>2019310188</b>	Lithium Australia NL; Australian Nuclear Science and Technology Organisation
<b>2018437459</b>	Howhigh Science & Technology (Hangzhou) Co., Ltd.	<b>2019310474</b>	J2H Biotech INC.
<b>2018437948</b>	MORGAN, R.B.	<b>2019310577</b>	ZATA Pharmaceuticals, Inc.
<b>2018438104</b>	Howhigh Science & Technology (Hangzhou) Co., Ltd.	<b>2019310632</b>	Wavin B.V.
<b>2018438214</b>	Synergia Medical	<b>2019310742</b>	Sanofi
<b>2018438250</b>	Fujitsu Limited	<b>2019310779</b>	Merck Patent GmbH
<b>2018438369</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019311031</b>	Fosun Orinove Pharmatech, Inc.
<b>2018438604</b>	Riptide Bioscience, Inc.	<b>2019311121</b>	Jacobio Pharmaceuticals Co., Ltd.
<b>2018439003</b>	Mitsubishi Electric Corporation	<b>2019311219</b>	Creanova Universal Closures Ltd.
<b>2018439635</b>	Next2Me, LLC	<b>2019311473</b>	Nippon Paper Industries Co., Ltd.
<b>2018440077</b>	Rhodia Operations	<b>2019311581</b>	Airandé Pty Limited
<b>2018440144</b>	ThisCap, Inc.	<b>2019311794</b>	Corsair Oy
<b>2018440246</b>	Nippon Yusen Kabushiki Kaisha	<b>2019311821</b>	Sabic Global Technologies B.V.
<b>2018440280</b>	Jacob Biotech Ltd	<b>2019312008</b>	Kyoto University; National University Corporation Shiga University of Medical Science
<b>2018440399</b>	Rhodia Operations	<b>2019312034</b>	Audeara Pty Ltd
<b>2018440474</b>	Razer (Asia-Pacific) Pte. Ltd.	<b>2019312144</b>	Purdue Research Foundation
<b>2018440504</b>	10942731 Canada Corporation	<b>2019312296</b>	Arcus Biosciences, Inc.
<b>2018440613</b>	NutriLeads B.V.	<b>2019312297</b>	Cabbacis LLC
<b>2018441994</b>	Joint Stock Company Krasnoyarsk Hydropower Plant (JSC Krasnoyarsk HPP)	<b>2019312370</b>	Nanopareil, LLC
<b>2018442248</b>	Huawei Technologies Co., Ltd.	<b>2019312379</b>	Fremonta Corporation; The United States of America as represented by The Secretary of Agriculture; Arthur, T.; Wheeler, T.; Wilhelmsen, E.; Wu, F.; Huang, Y.; Wu, A. Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Shouyao Holdings (Beijing) Co., Ltd.; Lianyungang Runzhong Pharmaceutical Co., Ltd.
<b>2018442732</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019312591</b>	SharkNinja Operating LLC
<b>2018444436</b>	Fertinagro Biotech, S.L.	<b>2019312636</b>	Lisen Imprinting Diagnostics Wuxi Co., Ltd.
<b>2018447056</b>	HUANG, K.	<b>2019312660</b>	Evonik Corporation
<b>2018451194</b>	Halliburton Energy Services, Inc.	<b>2019312672</b>	Lyteloo Technologies, LLC
<b>2018453338</b>	Halliburton Energy Services, Inc.	<b>2019312681</b>	Trustees of Boston University
<b>2018456031</b>	Halliburton Energy Services, Inc.	<b>2019312772</b>	Commissariat a l'Energie Atomique et aux Energies Alternatives; ALSTOM Transport Technologies
<b>2019254701</b>	Fondazione Telethon	<b>2019312911</b>	ALBERTELLI, L.M.; NESA s.r.l.
<b>2019288476</b>	Aquestive Therapeutics, Inc.	<b>2019313156</b>	McGhee, J.
		<b>2019313160</b>	AusCann Group Holdings Ltd

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2019313162	Commonwealth Scientific and Industrial Research Organisation	2019318996	Samsung Electronics Co., Ltd.
2019313350	Washington State University	2019319007	Lufthansa Technik AG
2019313391	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019319092	Medannex Ltd.
2019313421	SICPA Holding SA	2019319155	Triad National Security, LLC
2019313441	Merck Patent GmbH	2019319230	Integrated DNA Technologies, Inc.
2019313461	AlgiPharma AS	2019319423	HOOKWAY, J.
2019313543	SWM Luxembourg Sarl; Delstar Technologies, Inc.	2019319426	Fisher & Paykel Healthcare Limited
2019313544	EZ-Energies GmbH	2019319547	UNM Rainforest Innovations; Edwards, J.; Szauter, P.; Sinclair, R.; Dimmler, K.
2019313615	Guardian Glass, LLC; Guardian Europe S.a.r.l.	2019319596	Sika Technology AG
2019313935	Saraya Co., Ltd.	2019319822	Genentech, Inc.
2019313945	The University of Tokyo; Osaka University	2019319911	Kernal Biologics, Inc.
2019313964	Kyoto University; Takeda Pharmaceutical Company Limited	2019320358	NTN Corporation
2019314054	LG Electronics Inc.	2019320631	Asahi Kasei Kabushiki Kaisha
2019314085	LG Electronics Inc.	2019320764	Standard Process, Inc.
2019314093	Lemonex Inc.	2019320819	Niagara Bottling, LLC
2019314133	SUZOHAPP Canada ULC; Scan Coin AB	2019320922	Shenzhen Chipscreen Biosciences, Co., Ltd.
2019314201	Maplebear Inc. (DBA Instacart)	2019320927	Akeso Biopharma, Inc.
2019314323	Alzheon, Inc.	2019321057	CALVO MERIDA, Z.
2019314383	Virginia Tech Intellectual Properties, Inc.	2019321065	Thos. Bentley & Son Limited
2019314397	iCo Therapeutics Inc.	2019321072	Techniche (Trinidad) Ltd.
2019314405	The Research Foundation for The State University of New York; Syracuse University; Kerr, W.; Pedicone, C.; Chisholm, J.D.; Domann, S.	2019321077	Pulsating Jigs International (Pty) Ltd
2019314444	Bristol-Myers Squibb Company	2019321096	Bermad CS Ltd.
2019314454	Evonik Corporation	2019321188	CHEP Technology Pty Limited
2019314468	Lung Biotechnology PBC	2019321280	Danimer Bioplastics, Inc.
2019314565	Environmental Management Confederation, Inc.; WISER, F.C.; KAEPNER, B.	2019321466	NXT Biomedical, LLC
2019314574	CCL Secure Pty Ltd	2019321593	The Regents of the University of California
2019314671	Evonik Operations GmbH	2019321608	BioNTech US Inc.
2019314714	Blue Bean Medical Limited	2019321612	Spacecraft Seven, LLC
2019314754	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD.	2019321648	Lyndra, Inc.
2019314815	Vivo Mobile Communication Co., Ltd.	2019321654	The Trustees of the University of Pennsylvania
2019314882	Katholieke Universiteit Leuven	2019321865	LITHTECH INDUSTRIES PTY LTD
2019314923	Vivo Mobile Communication Co.,Ltd.	2019321873	The Bionics Institute of Australia
2019315022	Blue Bean Medical Limited	2019322188	Modern Biosciences Limited
2019315049	VeriGraft AB	2019322227	Applikon Biotechnology B.V.
2019315054	CollPlant Ltd.	2019322623	The Climate Corporation
2019315226	Chugai Seiyaku Kabushiki Kaisha	2019322625	Stone Lock Global, Inc.
2019315281	Itrec B.V.	2019322779	Cartonney B.V.
2019315328	DNA Global Industries Pty Ltd	2019322814	HOFFMAN, J.
2019315445	Cornell University	2019322834	RootPath Genomics, Inc.
2019315502	Histogen, Inc.	2019322890	Allergan, Inc.
2019315689	Fronius International GmbH	2019322914	Huawei Technologies Co., Ltd.
2019315700	Ludwig Institute for Cancer Research Ltd.	2019322933	The University of British Columbia
2019315849	Adagio Medical, Inc.	2019323151	Mars, Incorporated
2019315853	Alzheon, Inc.	2019323184	ECONcrete Tech Ltd.
2019315986	Vivo Mobile Communication Co., Ltd.	2019323224	ResMed Pty Ltd
2019316505	Acorn Biolabs, Inc.	2019323234	Hexo Operations Inc.
2019316507	Neuralia Technologies Inc.	2019323366	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019316616	Saint-Gobain Isover	2019323401	Huawei Technologies Co., Ltd.
2019316626	Lufthansa Technik AG	2019323413	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019316640	University of Massachusetts	2019323620	Naval Group
2019316645	Tornier, Inc.	2019323640	Hydrofields BV
2019316686	Sika Technology AG	2019323746	Solivus Limited
2019316711	CHEP Technology Pty Limited	2019323842	Indian Institute of Technology Madras (IIT Madras)
2019316821	Chowers, I.; Batash, T.	2019323979	Dainihon Jochugiku Co., Ltd.
2019317278	Purdue Research Foundation	2019323998	Hexo Operations Inc.
2019317460	ArmaGen, Inc.	2019324115	Soft-Tex International, Inc.
2019317533	Becton, Dickinson and Company	2019324167	Niagara Bottling, LLC
2019317534	Becton, Dickinson and Company	2019324168	Kaleido Biosciences, Inc.
2019317586	Nokia Technologies Oy	2019324196	Gen-Probe Incorporated
2019317630	iFiX Medical Pty Ltd	2019324203	Panavision International, L.P.
2019317982	Welltec Oilfield Solutions AG	2019324215	Komatsu Ltd.; Nippon Steel Corporation
2019318214	PerkinElmer Health Sciences, Inc.	2019324388	1Globe Biomedical Co., Ltd.; 1Globe Health Institute LLC
2019318770	Solar Hardscapes LLC	2019324837	Mitsubishi Electric Corporation
2019318888	Sumitomo Dainippon Pharma Co., Ltd.	2019325083	Obschestvo S Ogranichennoi Otvetstvennosti "Z Therapeutics"
2019318931	DAI, A.	2019325127	European Trailer Systems GmbH
		2019325200	Truma Gerätetechnik GmbH & Co. KG
		2019325238	Yacyshyn, B.; Yacyshyn, M.

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2019325261	BACAINN BIOTHERAPEUTICS, LTD.	2019328534	Nicoventures Trading Limited
2019325332	Massachusetts Eye and Ear Infirmary; The Schepens Eye Research Institute, Inc.	2019329023	Stevlos B.V.
2019325361	BCS Group	2019329033	CROKER, R.
2019325407	Centrexon Therapeutics Corporation	2019329063	Suntory Holdings Limited
2019325424	Soft-Tex International, Inc.	2019329357	Toray Industries, Inc.
2019325436	Boragen Inc.	2019329382	Vinventions USA, LLC
2019325447	O'Leary, R.; Burke, D.; Warren, R.; Hamby, K.; Zablocky, M.	2019329838	Zipline Medical, Inc.
2019325457	Heliponix, LLC	2019329905	Opko Ireland Global Holdings, Ltd.
2019325498	BeeMetal CORP.; Tenova S.p.A.	2019329958	Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology
2019325522	Vivera Pharmaceuticals INC.	2019330002	Tenovos Corporation
2019325593	Merck Patent GmbH	2019330026	Breville USA, Inc.
2019325609	CSL Behring Gene Therapy, Inc.	2019330229	HARTMAN, D.A.; SHETTERLEY, W.A.J.; WOLFE, C.
2019325622	Nymox Corporation	2019330345	3M Innovative Properties Company
2019325651	Etherdyne Technologies, Inc.	2019330382	Source Vagabond Systems Ltd.
2019325685	G1 Therapeutics, Inc.	2019330457	Great Wall Motor Company Limited
2019325688	Spark Therapeutics, Inc.	2019330471	GECKO TYRE PTY LTD
2019325705	Esperion Therapeutics, Inc.	2019330737	The University of Sydney
2019325969	Caterpillar Inc.	2019330739	Deaton, J.
2019325988	Baker Hughes, a GE company, LLC	2019330755	FluoID Inc.
2019326017	WestRock Packaging Systems, LLC	2019330774	Stamets, P.
2019326076	3M Innovative Properties Company	2019330782	Enterprises International, Inc.
2019326255	HP3 Real GmbH	2019330847	BASF SE
2019326349	WestRock Packaging Systems, LLC	2019331009	Yale University
2019326354	Nippon Steel Corporation; University of Iowa Research Foundation	2019331024	Regeneron Pharmaceuticals, Inc.
2019326529	Niagara Bottling, LLC	2019331084	Vexim S.A.
2019326533	Progress Rail Services Corporation	2019331113	The Charles Stark Draper Laboratory, Inc.
2019326548	Auris Health, Inc.	2019331247	Toray Industries, Inc.
2019326551	Research Institute at Nationwide Children's Hospital	2019331448	Ecolab USA Inc.
2019326617	LocanaBio, INC.	2019331459	AbbVie Inc.
2019326740	Citryll B.V.	2019331490	Intra-Cellular Therapies, Inc.
2019326745	ACO Severin Ahlmann GmbH & Co Kommanditgesellschaft	2019331496	Novartis AG
2019326762	Inline Test AS	2019331652	Aprofol AG
2019326768	Biomedical Research Foundation of the Academy of Athens (BRFAA); Agricultural University of Athens (AUA); Foundation for Research and Technology-Hellas (Forth); COURNIA, Z.; EFSTRATIADIS, A.; KAPELLA, A.; COULADOUROS, E.	2019331902	Revalesio Corporation
2019326846	Knorr-Bremse Systeme für Nutzfahrzeuge GmbH	2019331905	Orca Biosystems, Inc.
2019326932	Oxurion NV	2019331919	PGI, Inc.
2019327155	Affimed GmbH	2019332100	Merck Biodevelopment S.A.S.
2019327161	Amazonen-Werke H. Dreyer GmbH & Co. KG	2019332135	Etike' IP S.R.L.
2019327184	SPX Flow Technology Danmark A/S	2019332388	Seiko PMC Corporation
2019327202	Viage SPRL	2019332514	Doosan Mobility Innovation Inc.
2019327212	FLSmith A/S	2019332696	Kemin Industries, Inc.
2019327360	Liquid Instruments Pty. Ltd.	2019332755	Veolia Water Solutions & Technologies Support
2019327368	Caterpillar Inc.	2019332918	PepsiCo, Inc.
2019327383	ExploraMed NC7, Inc.	2019332942	Ecolab USA Inc.
2019327385	Haemonetics Corporation	2019332947	Cirkul, Inc.
2019327386	Alcyone LifeSciences, Inc.	2019332961	Ecolab USA Inc.
2019327408	Acuitive Technologies, Inc.	2019332971	Edwards Lifesciences Corporation
2019327429	Conmed Corporation	2019332984	Nicoventures Trading Limited
2019327430	ChemoCentryx, Inc.	2019333059	Five Prime Therapeutics, Inc.
2019327434	American Chemical Society	2019333119	Baylor College of Medicine
2019327459	Ecolab USA Inc.	2019333140	The University of North Carolina at Chapel Hill
2019327482	GCP Applied Technologies Inc.	2019333181	The Research Institute at Nationwide Children's Hospital
2019327484	Mars, Incorporated	2019333261	De-Ice Technologies, Inc.
2019327507	MTD Products Inc	2019333410	Sharp Kabushiki Kaisha
2019327554	Splashlight Holding LLC	2019333452	Huawei Technologies Co., Ltd.
2019327555	Amgen, Inc.	2019333861	Treos Bio Limited
2019327572	Yale University	2019333873	Sasol South Africa Limited
2019327636	Knorr-Bremse Systeme für Nutzfahrzeuge GmbH	2019333927	Commonwealth Scientific and Industrial Research Organisation
2019327913	Nanjing Legend Biotech Co., Ltd.	2019333929	Automatic Technology (Australia) Pty Ltd
2019328089	Stemlab Inc.	2019334174	Putzmeister Engineering GmbH
2019328276	Rilento Pharma, LLC	2019334208	Crispr Therapeutics AG
2019328326	Yale University	2019334261	Treos Bio Limited
2019328337	Rowan University	2019334426	Worxsafe AB; Vertemax Group Ltd
2019328516	Nicoventures Trading Limited	2019334434	Fachhochschule Nordwestschweiz
2019328528	Intra-Cellular Therapies, Inc.	2019334437	Treos Bio Limited
		2019334445	Perspectum Limited
		2019334447	SELIC Ireland Ltd.
		2019334714	Osong Medical Innovation Foundation
		2019334734	LG Electronics Inc.
		2019334859	University Hospitals Health System, Inc.
		2019334898	The Penn State Research Foundation

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2019334983	Encodia, Inc.	2019339202	VAN ROMPAY, B.G.
2019335005	Trustees of Dartmouth College	2019339315	CACI, INC. - Federal
2019335071	Signature Orthopaedics Europe Ltd	2019339331	Greeneden U.S. Holdings II, LLC
2019335189	Packsize LLC	2019339334	Eli Lilly and Company
2019335221	Nill, L.	2019339344	Silverback Therapeutics, Inc.
2019335290	Arthrex, Inc.	2019339420	Neomed, Inc.
2019335304	PPJ, LLC	2019339453	Citrix Systems, Inc.
2019335381	Hitachi Rail STS USA, Inc.	2019339563	Shanghai Myokon Network Technology Co., Ltd.
2019335383	Puff Corporation	2019339644	Cipla Limited
2019335512	Convatec Technologies Inc.	2019339800	Kawasaki Jukogyo Kabushiki Kaisha
2019335548	Amcor Flexibles Sarrebourg SAS	2019340010	ABB Schweiz AG
2019336019	LG Electronics Inc.	2019340021	Amadeus S.A.S.
2019336054	APL Technology AS	2019340372	The University of Akron
2019336111	Hendrickson USA, L.L.C.	2019340387	The Regents of The University of California; University College Dublin
2019336125	The Gillette Company LLC		
2019336209	Microban Products Company	2019340388	Amgen Inc.
2019336212	The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.; The United States of America, as represented by The Secretary, Department of Health and Human Services; Government of the United States of America, as represented by The Secretary of the Army	2019340409	Becton, Dickinson and Company
		2019340456	Scancell Limited
2019336229	Sotio, LLC	2019340598	Hanmi Pharmaceutical Co., Ltd.
2019336231	Seagen Inc.	2019341048	Becton, Dickinson and Company
2019336237	Additive Implants, Inc.	2019341277	Huawei Technologies Co., Ltd.
2019336252	Geomni, Inc.	2019341417	Rheinmetall Landsysteme GmbH
2019336286	Beissbarth GmbH	2019341495	European Molecular Biology Laboratory
2019336340	Nok Participações Ltda; Minas Pack Filmes E Embalagens Ltda	2019341519	DSM IP Assets B.V.; Novozymes A/S
		2019341538	Citospin, S.L.; Universidad de Valladolid
2019336495	Comnovo GmbH	2019341683	Pfizer Inc.
2019336666	Massachusetts Eye and Ear Infirmary	2019342016	Citrix Systems, Inc.
2019336740	Tokuyama Dental Corporation	2019342289	Janssen Pharmaceutica NV
2019336757	PayPal, Inc.	2019342435	WOODIO OY
2019336759	NuVasive, Inc.	2019342731	REVA Medical, Inc.
2019336763	FMC Corporation	2019342749	Iovance Biotherapeutics, Inc.
2019336819	Asahi Kasei Kabushiki Kaisha	2019342803	Huawei Technologies Co., Ltd.
2019336879	LG Electronics Inc.	2019342986	Sumitomo Metal Mining Co., Ltd.
2019336943	OP2 Drugs	2019343044	SignalChem Lifesciences Corporation
2019336986	Medacta International SA	2019343111	Waveseer, LLC
2019337018	Chugai Seiyaku Kabushiki Kaisha	2019343430	Goldschmidt Holding GmbH
2019337096	Dana-Farber Cancer Institute, Inc.; President and Fellows of Harvard College	2019343552	Tokuyama Dental Corporation
		2019343597	Asahi Kasei Kabushiki Kaisha
2019337097	Alerje, Inc.	2019343825	Mitsui Chemicals, Inc.
2019337242	Huawei Technologies Co., Ltd.	2019344010	University of Delaware
2019337286	Dong-A ST Co., Ltd.	2019344354	Wright Medical Technology, Inc.
2019337382	Universiteit Gent	2019344528	Covidien LP
2019337507	Becton, Dickinson and Company	2019344541	Eli Lilly and Company
2019337519	Apple Inc.	2019344667	Qualcomm Incorporated
2019337530	Eli Lilly and Company	2019344682	Ergotion, Inc.
2019337547	Merck Sharp & Dohme Corp.	2019344765	I-Mab Biopharma (Hangzhou) Co., Ltd.
2019337548	Covidien LP	2019345052	FUJIFILM Cellular Dynamics, Inc.
2019337584	Daktronics, Inc.	2019345098	icomatrix NV
2019337628	Becton, Dickinson and Company	2019345125	Novozymes Bioag A/S
2019337652	Silverback Therapeutics, Inc.	2019345238	Covidien LP
2019337890	Nippon Steel Corporation	2019345266	Ancestry.com Operations Inc.
2019337955	Haldor Topsøe A/S	2019345268	Conmed Corporation
2019338161	Medacta International SA	2019345313	Levo Therapeutics, Inc.
2019338427	Uluthando Pty Ltd	2019345942	Janssen Vaccines & Prevention B.V.
2019338617	IPCO 2012 Limited	2019345946	Arbaflame Technology AS
2019338618	Norsk Hydro ASA	2019346093	De La Rue International Limited
2019338657	PharmaZell GmbH	2019346343	Bioo Scientific Corporation
2019338685	Saint-Gobain Isover; Saint-Gobain Seva	2019346388	Novozymes BioAg A/S
2019338737	J-Oil Mills, Inc.	2019346436	Evoqua Water Technologies LLC
2019338745	NEC Platforms, Ltd.	2019346437	Evoqua Water Technologies LLC
2019338937	Gelion Technologies Pty Ltd	2019347399	Almex Technologies Inc.
2019338938	University of Canberra	2019347818	Bioo Scientific Corporation
2019338970	RABHI, V.	2019348192	IGO Limited
2019338972	Constellium Isoire; Constellium Rolled Products Ravenswood, LLC	2019348627	Tetra Laval Holdings & Finance S.A.
		2019349142	Sumitomo Forestry Co., Ltd.
2019338999	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	2019349408	Apple Inc.
2019339136	Roquette Freres	2019349424	The United States of America, as represented by The Secretary, Department of Health and Human Services
		2019349853	Evoqua Water Technologies LLC
		2019349935	Biophysics Pharma, Inc.; MASIZ, J.J.
		2019349962	Janssen Pharmaceutica NV
		2019350376	Ascendis Pharma A/S

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2019350584	Apple Inc.	2019391811	Tsukishima Kikai Co., Ltd.
2019350624	Janssen Pharmaceutica NV	2019394578	Société des Produits Nestlé S.A.
2019350660	Amgen Inc.	2019394648	SAF-Holland GmbH
2019351268	Nutcracker Therapeutics, Inc.	2019407816	Dentsply DeTrey GmbH; Dentsply Sirona Inc.
2019351354	Cokey Systems Co., Ltd.; ONISHI, T.	2019411630	Ningde Amperex Technology Limited
2019351599	Robel Bahnbaumaschinen GmbH	2019422026	Advanced New Technologies Co., Ltd.
2019351610	Siemens Energy Global GmbH & Co. Kg	2019448286	State Grid Corporation of China; State Grid Electronic Commerce Co., Ltd.; State Grid Xiong'an Financial Technology Group Co., Ltd.
2019351613	Inventio AG		Jungwoo Metal Ind. Co., Ltd.
2019351649	CP Manufacturing, Inc.	2020202125	AstraZeneca AB
2019351804	Eli Lilly and Company	2020202887	Niu, Q.
2019351906	Capital One Services, LLC	2020203716	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
2019352000	Dentsply Sirona Inc.; Sirona Dental Systems GmbH	2020216226	Mizkan Holdings Co., Ltd.
2019352497	Crommelin Agricoatings Pty Ltd		Glidestore Freetrack Pty Ltd
2019352502	Qumsieh, N.		Coupang Corp.
2019352505	Ammendolia, D.	2020220747	Coupang Corp.
2019352616	Amgen Inc.	2020233701	Coupang Corp.
2019353187	Alcon Inc.	2020260473	Coupang Corp.
2019353945	Sika Technology AG	2020260475	Coupang Corp.
2019353970	L'Oreal	2020260480	Coupang Corp.
2019354085	Carmeda AB	2020260490	Coupang Corp.
2019354562	Okra Medical, Inc.	2020260502	Coupang Corp.
2019355455	Nippon Soda Co., Ltd.	2020260508	Coupang Corp.
2019355556	Liqui-Box Corporation	2020260509	Coupang Corp.
2019355834	Capital One Services, LLC	2020260540	Coupang Corp.
2019355911	Longevity Neuro Solutions LLC	2020264419	Coupang Corp.
2019355979	Amgen Inc.	2020264425	The University of Queensland
2019356099	Inventio AG	2020277590	Stahlkontor GmbH & Co. KG
2019356497	Freenome Holdings, Inc.	2020282382	Skilled Global Investments Limited
2019356796	Disc Brakes Australia Pty. Limited	2020285468	Shelverton Holdings Pty Ltd
2019356951	Gambro Lundia AB	2020286284	Elpiscience (Suzhou) Biopharma, Ltd.; Elpiscience Biopharma, Ltd.
2019357440	Syngenta Crop Protection AG	2020289754	The Water & Carbon Group
2019357686	China Railway Construction Heavy Industry Corporation Limited	2020299635	Dr Mark's HyGenie Pty Ltd
2019358516	Sirona Dental Systems GmbH; Dentsply Sirona Inc.	2020309178	Carl Zeiss Vision International GmbH
2019358873	Technofast Industries Pty Ltd	2020312430	Chemvet Australia Pty Ltd
2019359320	Sareum Limited	2020321068	Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Limited
2019359728	Samsung Electronics Co., Ltd.	2020331565	Commonwealth Scientific and Industrial Research Organisation
2019359801	Amgen Inc.		
2019360427	The Francis Crick Institute Limited; Enara Bio Limited		
2019361160	Electrolux Appliances Aktiebolag		
2019361919	Amgen Inc.		
2019361964	Dana-Farber Cancer Institute, Inc.		
2019362275	Towarra Holdings Pty. Ltd.		
2019363932	HotaluX, Ltd.		
2019365599	HotaluX, Ltd.		
2019365849	Lockheed Martin Energy, LLC		
2019366018	HotaluX, Ltd.		
2019367751	HotaluX, Ltd.		
2019368147	Cadent Therapeutics, Inc.		
2019368196	Regeneron Pharmaceuticals, Inc.		
2019368946	HotaluX, Ltd.		
2019369418	Pioneer Hi-Bred International, Inc.		
2019370667	Europeenne de Biomasse		
2019370918	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.		
2019371120	Epiroc Rock Drills Aktiebolag		
2019375112	Dentsply DeTrey GmbH		
2019375935	GARDNER, G.P.		
2019377121	Acutus Medical, Inc.		
2019377376	Packsize LLC		
2019377800	Lyteloo Technologies, LLC		
2019377858	IMS Trading, LLC		
2019379295	Dentsply DeTrey GmbH		
2019379377	Komatsu Ltd.		
2019381269	Minerva Neurosciences, Inc.		
2019383521	Atlantic Photonic Solutions Ltd.		
2019384123	BNSF Railway Company		
2019384517	GARDNER, G.P.		
2019384790	Regeneron Pharmaceuticals, Inc.		
2019386717	Elbit Systems of America, LLC		
2019389272	Dentsply DeTrey GmbH		
2019391700	OrthoTrophix, Inc.		

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<b><u>A01B 35 /-</u></b>	<b><u>A01N 25 /-</u></b>	<b><u>A23C 7 /-</u></b>	<b><u>A23L 23 /-</u></b>	<b><u>A47B 53 /-</u></b>	<b><u>A47L 11 /-</u></b>
2019309391	2018440077	2019327184	2019394578	2020233701	2019315328
2019309392	2018440399	<b><u>A23C 9 /-</u></b>	<b><u>A23L 3 /-</u></b>	<b><u>A47C 1 /-</u></b>	<b><u>A47L 9 /-</u></b>
	2019312660	2018435852	2018433724	2019325447	2019312591
<b><u>A01C 17 /-</u></b>	2019313350		2018437306		
2019327161	2019323979	<b><u>A23D 7 /-</u></b>		<b><u>A47C 17 /-</u></b>	<b><u>A61B 1 /-</u></b>
	<b><u>A01N 37 /-</u></b>	2019338737	<b><u>A23L 33 /-</u></b>	2019335304	2019375935
<b><u>A01D 34 /-</u></b>	2019312660		2018435851	2019344682	2019384517
2019327507	2019320764	<b><u>A23D 9 /-</u></b>	2019314671		2019391700
	<b><u>A01N 43 /-</u></b>	2019338737	2019323234	<b><u>A47C 19 /-</u></b>	<b><u>A61B 17 /-</u></b>
<b><u>A01G 27 /-</u></b>	2019330847	<b><u>A23F 5 /-</u></b>	2019330737	2019335304	2019316645
2019343111	2019336212	2018435852	<b><u>A23L 5 /-</u></b>	2019344682	2019326548
	2019336763		2019327484	<b><u>A47C 20 /-</u></b>	2019327408
<b><u>A01G 31 /-</u></b>	2019355455	<b><u>A23G 1 /-</u></b>	2019330026	2019344682	2019329838
2019325457	<b><u>A01N 53 /-</u></b>	2019323234	2019336819		2019331084
2019343111	2019323979	<b><u>A23G 3 /-</u></b>	<b><u>A23L 7 /-</u></b>	<b><u>A47C 23 /-</u></b>	2019336759
	<b><u>A01N 59 /-</u></b>	2019323234	2020220747	2019344682	2019336986
<b><u>A01G 9 /-</u></b>	2019320764	2019327484	<b><u>A24F 47 /-</u></b>	<b><u>A47C 27 /-</u></b>	2019337548
2019325457	<b><u>A01N 63 /-</u></b>	<b><u>A23G 4 /-</u></b>	2019312297	2019324115	2019338161
2019343111	2019345125	2019314397	2019325522	2019325424	2019344528
	2019346388	2019323234	2019328516	<b><u>A47C 7 /-</u></b>	2019345238
<b><u>A01H 1 /-</u></b>	<b><u>A01N 65 /-</u></b>	<b><u>A23J 3 /-</u></b>	2019332984	2019324115	2019345268
2019357440	2019331448	2019394578	2019335383	2019325424	2019353187
	<b><u>A01P 1 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A41D 13 /-</u></b>	2019325447	2019375935
<b><u>A01H 5 /-</u></b>	2019312660	2019351354	2019330382	<b><u>A47F 3 /-</u></b>	<b><u>A61B 18 /-</u></b>
2019357440	<b><u>A01P 5 /-</u></b>	2019377858	<b><u>A41D 31 /-</u></b>	2019332918	2018438214
	2019355455	<b><u>A23K 20 /-</u></b>	2019330382	<b><u>A47G 19 /-</u></b>	2019315849
<b><u>A01K 47 /-</u></b>	<b><u>A01P 7 /-</u></b>	2019323151	2019331919	2019332918	2019337548
2019330774	2019323979	2019332696	<b><u>A42B 1 /-</u></b>	2019332918	2019353187
	2019345125	2019341519	2019331919	<b><u>A47G 9 /-</u></b>	2019377121
<b><u>A01K 51 /-</u></b>	2019346388	2020312430	<b><u>A45C 11 /-</u></b>	2018440144	<b><u>A61B 3 /-</u></b>
2019330774	2019355455	<b><u>A23K 40 /-</u></b>	2020299635	2018440144	2020309178
	<b><u>A21D 13 /-</u></b>	2019323151	<b><u>A45D 19 /-</u></b>	<b><u>A47G 9 /-</u></b>	<b><u>A61B 34 /-</u></b>
<b><u>A01K 53 /-</u></b>	2019323234	<b><u>A23K 50 /-</u></b>	2019353970	2019324115	2019326548
2019330774	2019338737	2019323151	2019331919	2019325424	2019336759
	2019339136	2019351354	<b><u>A45C 11 /-</u></b>	2019337548	2019337548
<b><u>A01K 61 /-</u></b>	<b><u>A21D 2 /-</u></b>	2019377858	<b><u>A45D 19 /-</u></b>	2019344528	2019337548
2019383521	2019338737	2020312430	2020299635	2019345238	2019344528
	2019339136	<b><u>A23L 11 /-</u></b>	<b><u>A45D 19 /-</u></b>	<b><u>A47J 27 /-</u></b>	2019345238
<b><u>A01K 67 /-</u></b>	2019323234	2020220747	2019353970	2019330026	<b><u>A61B 5 /-</u></b>
2019330774	2019338737	<b><u>A23K 50 /-</u></b>	2019353970	2019361160	<b><u>A47J 31 /-</u></b>
	2019339136	2019323151	<b><u>A45D 2 /-</u></b>	<b><u>A47J 31 /-</u></b>	2019319423
<b><u>A01K 85 /-</u></b>	<b><u>A21D 2 /-</u></b>	2019351354	2019353970	2019323998	2019321873
2019330739	2019338737	2019377858	2019353970	<b><u>A47J 36 /-</u></b>	2019327429
	2019339136	2020312430	<b><u>A45D 44 /-</u></b>	2019330755	2019330755
<b><u>A01M 7 /-</u></b>	<b><u>A23C 11 /-</u></b>	<b><u>A23L 11 /-</u></b>	2019353970	2019343825	2019377121
2019323979	2019394578	2020220747	<b><u>A45D 7 /-</u></b>	2019377121	2019391700
	<b><u>A23C 3 /-</u></b>	<b><u>A23L 2 /-</u></b>	2019353970	<b><u>A47J 41 /-</u></b>	<b><u>A61B 90 /-</u></b>
<b><u>A01N 1 /-</u></b>	2018435851	2018435851	2019353970	2019332947	2019336759
2019316505	2019348627	2019394578	<b><u>A46B 9 /-</u></b>	<b><u>A47J 43 /-</u></b>	<b><u>A61C 13 /-</u></b>
2019322933	2019327184		2019336125	2019332947	2019343552
2019327155					2019358516
2019341538					2019389272
2019342749					

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<b><u>A61C 19/-</u></b>	2019312296	2019342749	<b><u>A61K 47/-</u></b>	<b><u>A61L 2/-</u></b>	2019334859
2020299635	2019312393	2019345052			
	2019312681		2019312144	2018433724	<b><u>A61M 31/-</u></b>
<b><u>A61F 13/-</u></b>	2019313160	<b><u>A61K 36/-</u></b>	2019313160	2019310577	
	2019313441		2019313350	2019311581	2019327386
2019328276	2019314093	2018436267	2019334434	2019336209	<b><u>A61M 35/-</u></b>
2019335512	2019314323	2018440613	2019336943		
	2019314405	2019323234	2019339344	<b><u>A61L 24/-</u></b>	2019335512
<b><u>A61F 2/-</u></b>	2019314444	2019351354	2019342731	2019328276	
	2019314671		2019349935		<b><u>A61M 37/-</u></b>
2019309536	2019315853	<b><u>A61K 38/-</u></b>	2019350376		
2019309537	2019319911		2019361964	<b><u>A61L 27/-</u></b>	2019322890
2019309538	2019320922	2019309472	2020312430		
2019321648	2019322188	2019309849		2019314468	<b><u>A61M 39/-</u></b>
2019331084	2019323234	2019314383	<b><u>A61K 48/-</u></b>	2019315049	
2019332971	2019325083	2019317460		2019335290	2019317534
2019335071	2019325407	2019317630	2019317460	2019340372	2019327386
2019336237	2019325436	2019319911	2019319911		2019337628
2019336666	2019325685	2019321612	2019325332	<b><u>A61L 29/-</u></b>	2019340409
2019344354	2019326768	2019321654	2019325688	2019339420	2019341048
2019355911	2019326932	2019325083	2019328326		2019345268
	2019327430	2019325261	2019328337	<b><u>A61L 33/-</u></b>	<b><u>A61M 5/-</u></b>
<b><u>A61F 7/-</u></b>	2019327555	2019325622	2019331009		
	2019328528	2019325688	2019333140	2019354085	2019309766
2019331902	2019329905	2019328337			2019310742
	2019329905	2019333059	<b><u>A61K 49/-</u></b>	<b><u>A61L 9/-</u></b>	2019316821
<b><u>A61F 9/-</u></b>	2019331024	2019333861		2019311581	2019337097
	2019331459	2019334898	2019317278		2019350660
2019334859	2019331490	2019337382	2019321593	<b><u>A61M 1/-</u></b>	2019351804
2019353187	2019331652	2019341519		2019321466	2019352616
	2019333119	2019342731	<b><u>A61K 51/-</u></b>	2019327383	2019355979
<b><u>A61G 15/-</u></b>	2019334434	2019344541		2019327385	2019359801
	2019336212	2019345313	2019319092		2019361919
2019325447	2019337286	2019360427	2019334898	<b><u>A61M 11/-</u></b>	<b><u>A61N 1/-</u></b>
	2019338938	2019391700	2019340387		
<b><u>A61G 5/-</u></b>	2019340388			2019335383	2018438214
	2019340598	<b><u>A61K 39/-</u></b>	<b><u>A61K 6/-</u></b>	2019339644	2019315849
2019325447	2019341683			<b><u>A61M 13/-</u></b>	2019321466
	2019342289	2019315226	2019336740	2019319426	2019321873
<b><u>A61G 7/-</u></b>	2019342731	2019315700	2019375112	2019345268	2019327429
	2019343044	2019319092	2019379295		<b><u>A61N 5/-</u></b>
2019325447	2019344541	2019319822	2019407816	<b><u>A61M 15/-</u></b>	2018438214
2019335304	2019349424	2019320927		2019325522	2019315281
2019343825	2019349935	2019324388	<b><u>A61K 8/-</u></b>	2019335383	<b><u>A61P 1/-</u></b>
2019344682	2019349962	2019325593		2019339644	
	2019350624	2019327155	2019321593		2018440613
<b><u>A61H 23/-</u></b>	2019355455	2019327913	2019321654	<b><u>A61M 16/-</u></b>	2019310474
	2019359320	2019328326	2019330345	2019314714	2019314093
2018439635	2019361964	2019329958		2019315022	2019325238
2019322814	2019370918	2019331024	<b><u>A61K 9/-</u></b>	2019319426	2019334434
	2019381269	2019334437		2019323224	2019337286
<b><u>A61J 15/-</u></b>	2020202887	2019334765	2019313160	2019375935	2019341519
	2020312430	2019345942	2019313350	2019384517	
2019339420	2020321068	2019360427	2019314093		<b><u>A61P 11/-</u></b>
		2019368196	2019314397	<b><u>A61M 25/-</u></b>	2019309472
<b><u>A61J 3/-</u></b>	<b><u>A61K 33/-</u></b>	2019384790	2019321593	2019317533	2019314093
			2019328276	2019317534	
2019323998	2019309849	<b><u>A61K 35/-</u></b>	2019329905	2019321466	<b><u>A61P 13/-</u></b>
	2019317630		2019334434	2019337507	2019314093
<b><u>A61K 31/-</u></b>	2019331652	<b><u>A61K 45/-</u></b>	2019342731	2019340409	2019325622
	2020312430		2019345313	2019341048	
2018436267		2019309849	2019349935	2019375935	<b><u>A61P 15/-</u></b>
2018439635	<b><u>A61K 35/-</u></b>	2019314397	2019370918	2020285468	2018436267
2018440280		2019318888	2019381269		2019351354
2018440613	2019312008	2019325436		<b><u>A61M 27/-</u></b>	
2019254701	2019315502	2019325688	<b><u>A61L 101/-</u></b>		
2019304532	2019317630	2019337382		2019321466	
2019309849	2019321608	2019341683	2019311581	2019370918	
2019310122	2019322933	2019381269		2019381269	
2019310474	2019327155		<b><u>A61L 15/-</u></b>		
2019310779	2019328089			2019328276	
2019311031	2019331496				
2019311121	2019333181				

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<b>A61P 17 /-</b>	2019370918	<b>A61Q 17 /-</b>	2019346437 2019349853	<b>B03C 3 /-</b>	
2019314093	<b>A61P 33 /-</b>	2019321654		2019314565	<b>B22F 9 /-</b>
2019317630			<b>B01D 63 /-</b>		2019325498
2019325083	2019336212	<b>A61Q 19 /-</b>	2019312370	<b>B03D 1 /-</b>	
2019337530	2019355455	2019321654	2019331905	2018434575	<b>B23B 39 /-</b>
			2019336819	2018434969	2019313156
<b>A61P 19 /-</b>	<b>A61P 35 /-</b>	<b>A61Q 7 /-</b>	2019343597	2018435114	
2019254701	2019309472	2019315502		2018435310	<b>B23B 41 /-</b>
2019322188	2019309849		<b>B01D 65 /-</b>	2018435420	2019313156
2019325407	2019311031	<b>A62B 17 /-</b>	2019332755	2020289754	
2019326740	2019311121			<b>B03D 103 /-</b>	<b>B23K 103 /-</b>
	2019312393	2019330382	<b>B01D 69 /-</b>	2018434575	2020277590
<b>A61P 21 /-</b>	2019312681	2019331919		2018434969	
	2019313441		2019312370	2018435114	<b>B23K 26 /-</b>
2019254701	2019314093	<b>A62D 1 /-</b>	2019336819	2018435114	
	2019314444	2018435573	2019343597	2018435310	2019335548
<b>A61P 23 /-</b>	2019315700		2019346436	2018435420	2020277590
2019328276	2019319092	<b>A63B 71 /-</b>			
	2019320922		<b>B01D 71 /-</b>	<b>B05B 1 /-</b>	<b>B23K 37 /-</b>
<b>A61P 25 /-</b>	2019321608	2020299635		2019353970	
	2019322188		2019343597		2019309742
2018440280	2019324388	<b>A63F 13 /-</b>	2019346436	<b>B05B 12 /-</b>	
2019254701	2019326768	2019349408	2019349853		<b>B25H 7 /-</b>
2019310122	2019326932		<b>B01F 13 /-</b>	2019311581	2019327202
2019313160	2019327913	<b>A63H 17 /-</b>			
2019314323	2019333059		2019332947	<b>B05B 7 /-</b>	<b>B25J 13 /-</b>
2019315445	2019333181	2019315328		2019308821	2019345238
2019315853	2019334437		<b>B01F 15 /-</b>	2019311581	
2019318888	2019337547	<b>B01D 11 /-</b>		<b>B05D 3 /-</b>	<b>B25J 5 /-</b>
2019328089	2019337652		2018440504		
2019328337	2019338999	2019348192	2019311794		2019327202
2019328528	2019339344	<b>B01D 17 /-</b>		<b>B05D 5 /-</b>	<b>B25J 9 /-</b>
2019331490	2019340456		<b>B01F 17 /-</b>	2019313421	2019345238
2019333140	2019341683	2019327459			
2019368147	2019342289	2019332961	<b>B01F 3 /-</b>	2019313421	
2019381269	2019343044			<b>B07B 1 /-</b>	<b>B27C 3 /-</b>
	2020321068	<b>B01D 27 /-</b>	2018440504		2019313156
<b>A61P 27 /-</b>	<b>A61P 37 /-</b>		<b>B01F 5 /-</b>	2019351649	
2019254701	2019309472	2019309885		<b>B08B 15 /-</b>	<b>B27N 1 /-</b>
2019317630	2019310779		2019332947		2019342435
2019326932	2019312008	<b>B01D 33 /-</b>		<b>B08B 3 /-</b>	<b>B27N 3 /-</b>
2019331652	2019322188	2019391811	<b>B01J 13 /-</b>		2019342435
2019337382	2019325083			<b>B08B 9 /-</b>	
2019338938	2019329958	<b>B01D 39 /-</b>	2019321593		2019342435
	2019338999			2019316626	<b>B28B 1 /-</b>
<b>A61P 29 /-</b>	2019339334	2019309885	<b>B01J 19 /-</b>	2019319007	
2019304532	2019344765	2019391811			<b>B28B 7 /-</b>
2019309472	2019359320		2019321072	<b>B08B 9 /-</b>	2019323184
2019313160		<b>B01D 45 /-</b>			
2019320927	<b>A61P 43 /-</b>		<b>B01L 3 /-</b>	2019316626	<b>B28B 7 /-</b>
2019325407	2019315226	2019311794		2019319007	2019323184
2019326740	2019318888		<b>B02C 19 /-</b>		
2019359320	2019336943	<b>B01D 46 /-</b>		<b>B09C 1 /-</b>	<b>B28C 5 /-</b>
2019381269	2019344765		2019354562	2019309885	
<b>A61P 3 /-</b>	<b>A61P 5 /-</b>	2019311794			2019311794
2018440613	2019329905	2019314565	<b>B02C 2 /-</b>	<b>B21B 3 /-</b>	2019334174
2019329905		<b>B01D 53 /-</b>			
2019337382	<b>A61P 9 /-</b>	2019312370	2019358873	2019338972	<b>B29C 44 /-</b>
	2019333119	2019313544			2018437948
<b>A61P 31 /-</b>	2019368196	2019331905	<b>B03B 11 /-</b>	<b>B21B 45 /-</b>	
2019312008					<b>B29C 64 /-</b>
2019312144	<b>A61Q 11 /-</b>	<b>B01D 61 /-</b>	2019321077	2018437298	
2019331459	2019330345			<b>B22D 11 /-</b>	2019352000
2019339344		2019321865	<b>B03B 5 /-</b>		
2019345942		2019332755		2019338618	
2019350376		2019336819	2019321077		
		2019343597			



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<b><u>B29C 65 /-</u></b>		<b><u>B61L 25 /-</u></b>	<b><u>B64C 23 /-</u></b>	<b><u>B65B 57 /-</u></b>	<b><u>B65D 75 /-</u></b>
2019327386	<b><u>B41M 5 /-</u></b>	2019335381	2019310032	2019355556	2018434573
	2019335548				2018434788
<b><u>B29C 67 /-</u></b>	<b><u>B42D 25 /-</u></b>	<b><u>B61L 27 /-</u></b>	<b><u>B64C 25 /-</u></b>	<b><u>B65B 61 /-</u></b>	2019339644
2019331905	2019314574	2019335381	2019332514	2019335548	<b><u>B65D 83 /-</u></b>
	2019346093	2019351599			
<b><u>B29C 70 /-</u></b>	<b><u>B60B 11 /-</u></b>	<b><u>B62B 3 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>B65B 65 /-</u></b>	2019308821
2018440504	2019330471	2019352505	2019332514	2019355556	2019339644
2019342435					<b><u>B65D 85 /-</u></b>
<b><u>B31B 110 /-</u></b>	<b><u>B60B 15 /-</u></b>	<b><u>B62B 7 /-</u></b>	<b><u>B64D 15 /-</u></b>	<b><u>B65D 1 /-</u></b>	2018434573
2019377376	2019330471	2019315328	2019333261	2018440144	2018434788
				2019324167	2019322779
<b><u>B31B 50 /-</u></b>	<b><u>B60B 17 /-</u></b>	<b><u>B62D 25 /-</u></b>	<b><u>B64D 37 /-</u></b>	2019326529	2019329063
2019377376	2019326354	2019330457	2019332514	<b><u>B65D 21 /-</u></b>	<b><u>B65G 1 /-</u></b>
<b><u>B31D 1 /-</u></b>	<b><u>B60B 27 /-</u></b>	<b><u>B62D 37 /-</u></b>	<b><u>B64D 41 /-</u></b>	2019329033	2018447056
2019330782	2019394648	2019310032	2019332514	<b><u>B65D 23 /-</u></b>	<b><u>B65G 43 /-</u></b>
<b><u>B31F 1 /-</u></b>	<b><u>B60B 9 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B64D 45 /-</u></b>	2018440144	2019335189
2019330782	2019333927	2019324215	2019363932	2019320819	
		2019327368		2019332135	<b><u>B65H 18 /-</u></b>
<b><u>B32B 19 /-</u></b>	<b><u>B60C 13 /-</u></b>	<b><u>B63B 1 /-</u></b>	<b><u>B64F 1 /-</u></b>	<b><u>B65D 25 /-</u></b>	2019336340
2019308175	2019330471	2019310032	2019363932	2019320819	<b><u>B65H 29 /-</u></b>
			2019365599	2019332135	
<b><u>B32B 27 /-</u></b>	<b><u>B60J 7 /-</u></b>	<b><u>B63B 17 /-</u></b>	2019366018		2019314133
2018434573	2019325127	2019323620	2019367751	<b><u>B65D 39 /-</u></b>	
2018434788			2019368946	2018440144	<b><u>B66B 1 /-</u></b>
	<b><u>B60K 1 /-</u></b>	<b><u>B63B 19 /-</u></b>	<b><u>B64F 5 /-</u></b>	2019329382	2019351613
<b><u>B32B 3 /-</u></b>	2019371120	2018435214	2019316626	<b><u>B65D 41 /-</u></b>	<b><u>B66B 5 /-</u></b>
2018434788			2019319007		
2019314574	<b><u>B60L 53 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>B64G 1 /-</u></b>	2018440144	2019351613
	2019371120	2019329023	2019306118	2019311219	<b><u>B66F 17 /-</u></b>
<b><u>B32B 33 /-</u></b>		2019336054		2019324167	
2019335548	<b><u>B60N 2 /-</u></b>		<b><u>B65B 1 /-</u></b>	2019326529	2019336495
	2019325361	<b><u>B63B 22 /-</u></b>	2019335189	<b><u>B65D 47 /-</u></b>	<b><u>B66F 9 /-</u></b>
<b><u>B32B 5 /-</u></b>		2019336054		2019311219	
2018437948	<b><u>B60P 3 /-</u></b>		<b><u>B65B 11 /-</u></b>	2019324167	2019336495
	2019334174	<b><u>B63B 39 /-</u></b>	2019335189	2019326529	<b><u>C01B 15 /-</u></b>
<b><u>B32B 7 /-</u></b>		2018440246		2019332947	
2019326076	<b><u>B60S 5 /-</u></b>		<b><u>B65B 21 /-</u></b>	<b><u>B65D 5 /-</u></b>	2019314454
	2019371120	<b><u>B63B 43 /-</u></b>	2019320819	2019311473	<b><u>C01B 25 /-</u></b>
<b><u>B33Y 10 /-</u></b>		2018435214		2019322779	
2019335290	<b><u>B60T 17 /-</u></b>		<b><u>B65B 27 /-</u></b>	2019324167	2018437459
2019352000	2019336111	<b><u>B63B 49 /-</u></b>	2019330782	2019326017	2018438104
		2018440246		<b><u>B65D 51 /-</u></b>	<b><u>C01B 3 /-</u></b>
<b><u>B33Y 30 /-</u></b>	<b><u>B61D 17 /-</u></b>		<b><u>B65B 3 /-</u></b>	2019329382	
2019352000	2019310032	<b><u>B63C 11 /-</u></b>	2019355556	2019332947	2019321072
		2019339202		<b><u>B65D 65 /-</u></b>	<b><u>C01D 15 /-</u></b>
<b><u>B33Y 40 /-</u></b>	<b><u>B61L 1 /-</u></b>	2019339202	<b><u>B65B 43 /-</u></b>	2019320819	
2019352000	2019351599		2019355556	2019336340	2019318931
		<b><u>B63C 9 /-</u></b>	2019377376		<b><u>C01F 7 /-</u></b>
<b><u>B33Y 70 /-</u></b>	<b><u>B61L 23 /-</u></b>	2019347399	<b><u>B65B 53 /-</u></b>	<b><u>B65D 71 /-</u></b>	
2019314468	2019335381		2019320819	2019326017	2019309529
		<b><u>B64C 21 /-</u></b>		2019326349	<b><u>C01G 31 /-</u></b>
<b><u>B33Y 80 /-</u></b>		2019310032			
2019314468					2019365849
2019335290					

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<b><u>C02F 1 /-</u></b>		<b><u>C07D 213 /-</u></b>	<b><u>C07D 487 /-</u></b>	2019337547	2019319596
2019309885	<b><u>C05C 9 /-</u></b>	2019322188	2019304532	2019340456	
2019331448	2019311821	2019326768	2019312393	2019345125	<b><u>C08G 59 /-</u></b>
2019332755	2019352497		2019314444	2019345942	2019353945
2019349853	<b><u>C05F 11 /-</u></b>	<b><u>C07D 231 /-</u></b>	2019325685	2019346388	
2020289754		2019336763	2019368147	2019391700	<b><u>C08G 63 /-</u></b>
<b><u>C02F 103 /-</u></b>	2018444436	<b><u>C07D 239 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C07K 16 /-</u></b>	2019340372
2019309885	<b><u>C05F 3 /-</u></b>	2019340598	2019313441	2019309849	2019342731
<b><u>C02F 9 /-</u></b>	2018437459	<b><u>C07D 263 /-</u></b>	<b><u>C07D 498 /-</u></b>	2019313945	2019343825
2020289754	2018438104	2019359320	2019311121	2019315226	2019349142
<b><u>C03C 10 /-</u></b>	<b><u>C05G 3 /-</u></b>	<b><u>C07D 271 /-</u></b>	2019327555	2019315700	<b><u>C08G 65 /-</u></b>
2019308175	2019352497	2019338657	2019350624	2019317460	2018437948
<b><u>C03C 17 /-</u></b>	<b><u>C07B 57 /-</u></b>	<b><u>C07D 277 /-</u></b>	<b><u>C07D 513 /-</u></b>	2019318888	<b><u>C08G 71 /-</u></b>
2019313615	2019328528	2019336231	2019350624	2019319092	2019407816
2019332135	2019331490	<b><u>C07D 307 /-</u></b>	<b><u>C07D 519 /-</u></b>	2019320927	<b><u>C08J 3 /-</u></b>
<b><u>C03C 21 /-</u></b>	<b><u>C07B 61 /-</u></b>	2019345946	2019311121	2019324388	2019340372
2019308175	2019337018	<b><u>C07D 309 /-</u></b>	<b><u>C07F 3 /-</u></b>	2019325593	<b><u>C08J 5 /-</u></b>
<b><u>C03C 25 /-</u></b>	<b><u>C07C 205 /-</u></b>	2019312144	2019325083	2019326740	2018440504
2019316616	2019331459	<b><u>C07D 311 /-</u></b>	<b><u>C07F 5 /-</u></b>	2019327155	2019346436
<b><u>C03C 3 /-</u></b>	<b><u>C07C 237 /-</u></b>	2019323234	2019310779	2019329958	<b><u>C08L 101 /-</u></b>
2019308175	2019327459	<b><u>C07D 401 /-</u></b>	<b><u>C07H 19 /-</u></b>	2019331024	2019336740
2019332135	2019332961	2019312296	2019349424	2019337547	2019343552
<b><u>C03C 4 /-</u></b>	2019370918	2019313441	<b><u>C07J 1 /-</u></b>	2019338999	2019324168
2019308175	<b><u>C07C 269 /-</u></b>	2019326768	2019335005	2019339334	<b><u>C08L 5 /-</u></b>
<b><u>C03C 8 /-</u></b>	2019407816	2019337018	<b><u>C07J 3 /-</u></b>	2019344765	2019353945
2019332135	<b><u>C07C 275 /-</u></b>	2019355455	2019335005	2019368196	<b><u>C08L 91 /-</u></b>
<b><u>C04B 24 /-</u></b>	2019352497	<b><u>C07D 403 /-</u></b>	<b><u>C07K 5 /-</u></b>	2019384790	2019333873
2019327482	<b><u>C07C 29 /-</u></b>	2019331459	2019325261	2020286284	<b><u>C08L 63 /-</u></b>
<b><u>C04B 26 /-</u></b>	<b><u>C07C 317 /-</u></b>	2019355455	2019325705	<b><u>C07K 19 /-</u></b>	2019343552
2019327482	2019337955	<b><u>C07D 405 /-</u></b>	2019327913	<b><u>C07K 19 /-</u></b>	<b><u>C08L 5 /-</u></b>
<b><u>C04B 28 /-</u></b>	<b><u>C07C 39 /-</u></b>	2019313441	2019349424	2019320927	2019324168
2019314882	2019323234	<b><u>C07D 409 /-</u></b>	<b><u>C07J 75 /-</u></b>	2019327913	<b><u>C08L 63 /-</u></b>
2019323184	<b><u>C07C 51 /-</u></b>	2019313441	2019335005	<b><u>C07K 5 /-</u></b>	2019353945
2019327482	2019344541	<b><u>C07D 413 /-</u></b>	<b><u>C07J 1 /-</u></b>	2019325083	<b><u>C08L 91 /-</u></b>
<b><u>C04B 33 /-</u></b>	<b><u>C07C 59 /-</u></b>	2019313441	2019335005	2019325436	2019324168
2019330229	2019344541	<b><u>C07D 471 /-</u></b>	<b><u>C07K 14 /-</u></b>	2019351268	<b><u>C08L 63 /-</u></b>
<b><u>C04B 35 /-</u></b>	2019344541	2019311121	2019309472	2019351268	2019353945
2019332135	<b><u>C07D 203 /-</u></b>	2019312393	2019314383	2019360427	<b><u>C08L 97 /-</u></b>
<b><u>C04B 40 /-</u></b>	2019310577	2019313441	2019315054	<b><u>C07K 7 /-</u></b>	2019313350
2019322834	<b><u>C07D 211 /-</u></b>	2019326932	2019318888	201932561	<b><u>C08B 37 /-</u></b>
2019327482	2019327430	2019327555	2019319547	2019325705	<b><u>C09B 61 /-</u></b>
<b><u>C05B 19 /-</u></b>	2019327555	2019337652	2019319911	2019325705	2019327484
2018444436		2019349962	2019321608	2019325705	<b><u>C09D 163 /-</u></b>
		2019350624	2019321612	2019325705	2019353945
			2019322834	2019325705	<b><u>C09D 167 /-</u></b>
			2019325332	2019332388	2019321280
			2019326617	2019338937	<b><u>C09D 175 /-</u></b>
			2019331496	<b><u>C08F 257 /-</u></b>	2019316686
			2019333059	2019343552	2019319596
			2019333140	<b><u>C08F 265 /-</u></b>	<b><u>C09D 5 /-</u></b>
			2019334208	2019343552	2019321280
			2019334261	<b><u>C08G 18 /-</u></b>	<b><u>C09J 11 /-</u></b>
			2019334898	2019316686	2019326076

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<b><u>C09J 123 /-</u></b>	<b><u>C12N 1 /-</u></b>	2019333181	2019321865	<b><u>D02G 3 /-</u></b>	<b><u>E01B 35 /-</u></b>
2019333873	2019329357	<b><u>C12N 9 /-</u></b>	<b><u>C22B 3 /-</u></b>	2020282382	2019326255
<b><u>C09J 175 /-</u></b>	2019330737	2019317460	2019310188	<b><u>D03D 1 /-</u></b>	<b><u>E01C 11 /-</u></b>
2019316686	2019331247	2019319230	2019327212	2019331919	2019310632
2019319596	2019337096	2019322933	2019348192	2020282382	2019326745
2019326076	<b><u>C12N 15 /-</u></b>	2019327572	<b><u>C22B 5 /-</u></b>	<b><u>D03D 11 /-</u></b>	<b><u>E01C 13 /-</u></b>
2019407816	2019309394	2019340456	2019342986	2020282382	2019318770
<b><u>C09J 177 /-</u></b>	2019312008	<b><u>C12P 19 /-</u></b>	<b><u>C22C 19 /-</u></b>	<b><u>D03D 15 /-</u></b>	2019323640
2019326076	2019313162	2019322933	2019338685	2019331919	<b><u>E01C 3 /-</u></b>
<b><u>C09J 183 /-</u></b>	2019313945	2019346343	<b><u>C22C 21 /-</u></b>	2020282382	2019310632
2019326076	2019315054	<b><u>C12P 21 /-</u></b>	2019338972	<b><u>D04B 1 /-</u></b>	<b><u>E01C 5 /-</u></b>
<b><u>C09J 7 /-</u></b>	2019315226	2019315226	<b><u>C22C 33 /-</u></b>	2020282382	2019310632
2019326076	2019315445	2019329357	2019338972	<b><u>D04H 1 /-</u></b>	<b><u>E01F 7 /-</u></b>
<b><u>C09K 17 /-</u></b>	2019315700	2019331247	2019342986	2019316616	2019312911
2019308812	2019316640	<b><u>C12P 7 /-</u></b>	<b><u>C22C 38 /-</u></b>	<b><u>D06F 31 /-</u></b>	<b><u>E02D 27 /-</u></b>
<b><u>C10G 33 /-</u></b>	2019318888	2019330737	2019324215	2019332942	2019309673
2019327459	2019320927	2019349142	2019337890	<b><u>D06F 35 /-</u></b>	2019310021
2019332961	2019321612	<b><u>C12Q 1 /-</u></b>	<b><u>C22F 1 /-</u></b>	<b><u>D06F 39 /-</u></b>	2019335221
<b><u>C10J 3 /-</u></b>	2019322834	2018438604	2019338972	2019336019	<b><u>E02D 29 /-</u></b>
2020203716	2019322933	2019309472	<b><u>C23C 14 /-</u></b>	2019336879	2019326745
<b><u>C10L 5 /-</u></b>	2019325332	2019312379	2019320358	<b><u>D06F 58 /-</u></b>	<b><u>E02D 5 /-</u></b>
2019370667	2019325609	2019312636	<b><u>C25B 1 /-</u></b>	2019334734	2019309673
<b><u>C10L 9 /-</u></b>	2019326551	2019313935	2019320631	2019336019	2019310021
2019370667	2019326617	2019313935	<b><u>C25B 15 /-</u></b>	2019336879	<b><u>E02D 7 /-</u></b>
<b><u>C11D 1 /-</u></b>	2019327572	2019315054	2019320631	<b><u>D06F 71 /-</u></b>	<b><u>E02F 3 /-</u></b>
2019321065	2019327913	2019315054	2019337955	2019334734	2019339202
<b><u>C11D 11 /-</u></b>	2019328326	2019319547	<b><u>C25B 9 /-</u></b>	2019332388	<b><u>E02F 9 /-</u></b>
2019321065	2019328337	2019324196	2019320631	<b><u>D21H 17 /-</u></b>	2019309391
<b><u>C11D 17 /-</u></b>	2019329357	2019325238	2019337955	2019332388	2019309392
2019321065	2019331009	2019334983	<b><u>C40B 20 /-</u></b>	<b><u>D21H 19 /-</u></b>	<b><u>E03F 1 /-</u></b>
<b><u>C12G 3 /-</u></b>	2019331247	2019340388	2019334983	2019330782	2019310632
2019329063	2019333181	2019346343	<b><u>C40B 30 /-</u></b>	<b><u>D21H 21 /-</u></b>	<b><u>E03F 5 /-</u></b>
<b><u>C12H 6 /-</u></b>	20193334983	2019347818	2019334898	2019332388	2019326745
2019329063	2019336229	2019356497	<b><u>C40B 40 /-</u></b>	<b><u>D21H 27 /-</u></b>	<b><u>E04B 1 /-</u></b>
<b><u>C12M 1 /-</u></b>	2019337096	<b><u>C12R 1 /-</u></b>	2019322834	2019330782	2019326745
2019313935	2019338999	2019330737	<b><u>D01F 1 /-</u></b>	<b><u>E01B 27 /-</u></b>	2019327202
2019322227	2019340388	<b><u>C21B 13 /-</u></b>	2019331905	2019326255	2019335221
2019331113	2019344983	2019342986	2019343597	<b><u>E01B 31 /-</u></b>	<b><u>E04G 21 /-</u></b>
<b><u>C12M 3 /-</u></b>	2019336229	<b><u>C21C 5 /-</u></b>	<b><u>D01F 6 /-</u></b>	2019343430	2019327202
2019315049	2019337096	2019325498	<b><u>D01G 15 /-</u></b>		2019334426
2019331113	2019338999	<b><u>C21C 7 /-</u></b>			<b><u>E04G 25 /-</u></b>
	2019342749	2019325498			2019334426
	2019345052	<b><u>C21D 8 /-</u></b>			
	<b><u>C12N 7 /-</u></b>	2019337890			
	2019321612	<b><u>C21D 9 /-</u></b>			
	2019325332	2019324215			
	2019325688	<b><u>C22B 23 /-</u></b>			
		2019342986			
		2019348192			
		<b><u>C22B 26 /-</u></b>			
		2019310188			

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<b><u>E04H 12 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F16C 27 /-</u></b>	<b><u>F21V 29 /-</u></b>	<b><u>F25D 29 /-</u></b>	<b><u>G01N 1 /-</u></b>
2019335221	2019313156	2019339800	2019365599 2019366018 2019367751 2019368946	2019314054 2019314085	2019302550 2019312379 2019332942 2019341495
<b><u>E04H 5 /-</u></b>	<b><u>E21C 41 /-</u></b>	<b><u>F16C 32 /-</u></b>	<b><u>F21V 5 /-</u></b>	<b><u>F28F 1 /-</u></b>	<b><u>G01N 15 /-</u></b>
2019326745	2019379377	2019339800	2019365599 2019366018 2019367751 2019368946	2019325200	2019331905
<b><u>E04H 9 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F16C 33 /-</u></b>	<b><u>F21V 8 /-</u></b>	<b><u>F41G 11 /-</u></b>	<b><u>G01N 21 /-</u></b>
2019347399	2019308812 2019357686	2019320358	2019365599 2019366018 2019367751 2019368946	2019362275	2019313461 2019334714 2019336209
<b><u>E05B 17 /-</u></b>	<b><u>E21F 17 /-</u></b>	<b><u>F16D 23 /-</u></b>	<b><u>F21W 111 /-</u></b>	<b><u>F41G 3 /-</u></b>	<b><u>G01N 24 /-</u></b>
2019323620	2019357686	2019326846 2019327636	2019365599 2019366018 2019367751 2019368946	2019362275	2019330755
<b><u>E05B 47 /-</u></b>	<b><u>F01D 25 /-</u></b>	<b><u>F16D 65 /-</u></b>	<b><u>F21Y 115 /-</u></b>	<b><u>F41H 5 /-</u></b>	<b><u>G01N 29 /-</u></b>
2019309370 2019333929	2019316626 2019319007	2019356796 2019394648	2019365599 2019366018 2019367751 2019368946	2019341417	2019312772
<b><u>E05B 63 /-</u></b>	<b><u>F02B 19 /-</u></b>	<b><u>F16F 15 /-</u></b>	<b><u>F21Y 115 /-</u></b>	<b><u>G01B 11 /-</u></b>	<b><u>G01N 31 /-</u></b>
2019309370	2019338970	2019339800	2019365599 2019366018 2019367751 2019368946	2018440246 2019304252 2019336286 2020233701	2019336209
<b><u>E05B 83 /-</u></b>	<b><u>F02M 47 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>F21Y 115 /-</u></b>	<b><u>G01B 21 /-</u></b>	<b><u>G01N 33 /-</u></b>
2019330457	2019326533	2019321096	2019365599 2019366018 2019367751 2019368946	2019336286	2019308326 2019312379 2019313935 2019314323 2019318888 2019319547 2019325238 2019325593 2019331496 2019333861 2019334437 2019338999 2019344765
<b><u>E05C 9 /-</u></b>	<b><u>F02M 61 /-</u></b>	<b><u>F16K 37 /-</u></b>	<b><u>F24C 15 /-</u></b>	<b><u>G01B 5 /-</u></b>	<b><u>G01B 7 /-</u></b>
2019323620	2019326533	2019326762	2019361160	2019336286	2019312911
<b><u>E05F 15 /-</u></b>	<b><u>F02M 63 /-</u></b>	<b><u>F16L 13 /-</u></b>	<b><u>F24H 3 /-</u></b>	<b><u>G01B 7 /-</u></b>	<b><u>G01C 15 /-</u></b>
2019336495	2019326533	2020202125	2019325200	2019312911	2019327202
<b><u>E06B 9 /-</u></b>	<b><u>F02P 13 /-</u></b>	<b><u>F16L 37 /-</u></b>	<b><u>F24H 9 /-</u></b>	<b><u>G01C 15 /-</u></b>	<b><u>G01F 23 /-</u></b>
2019333929	2019338970	2019329033	2019325200	2019327202	2018440246
<b><u>E21B 19 /-</u></b>	<b><u>F03G 3 /-</u></b>	<b><u>F16L 41 /-</u></b>	<b><u>F25B 49 /-</u></b>	<b><u>G01G 19 /-</u></b>	<b><u>G01N 35 /-</u></b>
2018437107	2019321057	2019338427	2019314054 2019314085	2018440246	2019302550 2019312379
<b><u>E21B 21 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F16L 5 /-</u></b>	<b><u>F25B 5 /-</u></b>	<b><u>G01J 1 /-</u></b>	<b><u>G01R 31 /-</u></b>
2018437107 2018453338	2018439003	2019352502	2019314054 2019314085	2018440246	2019359728 2020216226
<b><u>E21B 33 /-</u></b>	<b><u>F15D 1 /-</u></b>	<b><u>F21S 2 /-</u></b>	<b><u>F25B 5 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G01R 33 /-</u></b>
2018437107 2019317982	2019310032	2019365599 2019366018 2019367751 2019368946	2019314054 2019314085	2020233701	2019330755 2019334445
<b><u>E21B 41 /-</u></b>	<b><u>F16B 12 /-</u></b>	<b><u>F21V 15 /-</u></b>	<b><u>F25C 5 /-</u></b>	<b><u>G01K 1 /-</u></b>	<b><u>G01S 17 /-</u></b>
2018451194 2018453338 2019313544	2019329033	2019365599 2019366018 2019367751	2019323366	2019318214	2020233701
<b><u>E21B 43 /-</u></b>	<b><u>F16B 2 /-</u></b>	<b><u>F21V 19 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01K 7 /-</u></b>	<b><u>G01S 5 /-</u></b>
2018456031 2019313544	2019326846 2019327636	2019365599 2019366018 2019368946	2019314054 2019314085 2019323413	2019351610	2019356099
<b><u>E21B 47 /-</u></b>	<b><u>F16B 7 /-</u></b>	<b><u>F21V 23 /-</u></b>	<b><u>F25D 23 /-</u></b>	<b><u>G01L 1 /-</u></b>	<b><u>G01V 3 /-</u></b>
2018451194 2019325988 2020264425	2019329033 2019334426	2019334447 2019366018	2019332918	2019312911 2019344010	2018451194
<b><u>E21B 49 /-</u></b>	<b><u>F16C 19 /-</u></b>		<b><u>F25D 25 /-</u></b>	<b><u>G01M 3 /-</u></b>	
2018453338	2019320358		2019332918	2019326762	

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<b><u>G01V 8 /-</u></b>		<b><u>G06Q 20 /-</u></b>	<b><u>G08G 5 /-</u></b>	<b><u>H01S 3 /-</u></b>	<b><u>H04J 14 /-</u></b>
2019325988		2019316507	2019363932		2019312672
2020233701	<b><u>G06F 21 /-</u></b>	2019338617		2019377800	
	2019316507	2019351906	<b><u>G09F 9 /-</u></b>		<b><u>H04L 1 /-</u></b>
<b><u>G01V 9 /-</u></b>	2019319155	2019352505	2019337584	<b><u>H02G 3 /-</u></b>	2018435434
	2019322625	2020260473		2019340010	2019363932
2019343825	2019355834	2020264419	<b><u>G11B 27 /-</u></b>	2019352502	
	<b><u>G06F 3 /-</u></b>				<b><u>H04L 29 /-</u></b>
<b><u>G01W 1 /-</u></b>	2018440474	<b><u>G06Q 30 /-</u></b>	2019349408	<b><u>H02J 13 /-</u></b>	2019308300
	2019318996	2019321188	2020260475	2019324837	2019336757
2019306118	2019337519	2019352505	<b><u>G16B 20 /-</u></b>	<b><u>H02J 3 /-</u></b>	2019339453
	2019349408			2019324837	2019342016
<b><u>G02B 13 /-</u></b>	2019350584	<b><u>G06Q 40 /-</u></b>	2019356497		
	2020260475	2019338617	<b><u>G16H 20 /-</u></b>	<b><u>H02J 50 /-</u></b>	<b><u>H04L 5 /-</u></b>
<b><u>G02B 17 /-</u></b>	<b><u>G06F 30 /-</u></b>	2020260473		2019325651	2018435073
	2019327360	<b><u>G06Q 50 /-</u></b>	2019288476	2019359728	
2019318214		2019308300	2019309766		<b><u>H04L 9 /-</u></b>
<b><u>G02B 27 /-</u></b>	<b><u>G06F 40 /-</u></b>	2019322623	<b><u>G16H 40 /-</u></b>	<b><u>H02J 7 /-</u></b>	2019322625
	2018438250	2019339563		2019325651	2019351906
2019386717		2019340021	2019309766	2019359728	2019355834
<b><u>G02B 5 /-</u></b>	<b><u>G06F 8 /-</u></b>	<b><u>G06T 17 /-</u></b>	2019327385	2020216226	2019448286
	2019327360	2019336252	2019356951		<b><u>H04M 1 /-</u></b>
2019312672		<b><u>G06T 19 /-</u></b>	<b><u>G16H 80 /-</u></b>	<b><u>H02M 1 /-</u></b>	2018436989
<b><u>G02B 6 /-</u></b>	<b><u>G06F 9 /-</u></b>	2019327554		2019315689	2019359728
	2019309766	<b><u>G06T 7 /-</u></b>	<b><u>H01J 49 /-</u></b>	<b><u>H02M 3 /-</u></b>	<b><u>H04M 11 /-</u></b>
2018438214	2019318996	2019314201	2019308326	2019315689	2018436989
2019312672	2019327360	2019323401	2019312297		
2019325988	2019339331	2019334714	<b><u>H01L 31 /-</u></b>	<b><u>H02M 7 /-</u></b>	<b><u>H04M 3 /-</u></b>
	<b><u>G06K 9 /-</u></b>	2019336252		2019315689	2019338745
<b><u>G02B 7 /-</u></b>	2019314201	2019345098	<b><u>H01L 41 /-</u></b>	2019325969	2019339331
	2019322625	2019345266		<b><u>H02S 10 /-</u></b>	<b><u>H04N 13 /-</u></b>
<b><u>G02F 1 /-</u></b>	2019345266	2019384123	<b><u>H01L 51 /-</u></b>	2019323746	2019336252
	2019384123	<b><u>G07C 9 /-</u></b>	2019343825		
2019308175	<b><u>G06N 20 /-</u></b>	2019352505	2019344010	<b><u>H02S 20 /-</u></b>	<b><u>H04N 19 /-</u></b>
	2019327434	<b><u>G07D 11 /-</u></b>	<b><u>H01L 51 /-</u></b>	2019323746	2019322914
<b><u>G05B 17 /-</u></b>	2019422026	2019314133	2018441994		2019333452
		<b><u>G07F 7 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H02S 30 /-</u></b>	2019337242
2019322623	<b><u>G06N 3 /-</u></b>	2019352505		2019318770	2019341277
	2019327434	2020260473	<b><u>H01M 4 /-</u></b>	2019323746	2019342803
<b><u>G05D 1 /-</u></b>	2019345266	<b><u>G07D 11 /-</u></b>			
	2019384123	2019314133	<b><u>H01M 50 /-</u></b>	<b><u>H02S 50 /-</u></b>	<b><u>H04N 5 /-</u></b>
2018435033	<b><u>G06N 5 /-</u></b>	<b><u>G07F 7 /-</u></b>	2020216226	2019351610	2019324203
2019309391	2019322623	2019312911	<b><u>H01M 4 /-</u></b>		2019349408
2019309392	2019327434	2019343825	2019323842	<b><u>H03K 19 /-</u></b>	<b><u>H04N 7 /-</u></b>
2019327507	2019345266		2019411630	2019327360	2019324203
	2019384123	<b><u>G08B 21 /-</u></b>	<b><u>H01M 50 /-</u></b>		
<b><u>G05G 9 /-</u></b>	<b><u>G06N 5 /-</u></b>	2019312911	2019323620	<b><u>H04B 1 /-</u></b>	<b><u>H04Q 3 /-</u></b>
	2019322623	2019343825		2019339315	2019338745
2018440474	2019327434	<b><u>G08B 23 /-</u></b>	<b><u>H01M 6 /-</u></b>	<b><u>H04B 10 /-</u></b>	<b><u>H04R 25 /-</u></b>
	2019327434	2019319423	2019323842	2019324203	2019321873
<b><u>G06F 13 /-</u></b>	2019356497	<b><u>G08B 25 /-</u></b>		<b><u>H04B 7 /-</u></b>	<b><u>H04R 3 /-</u></b>
		2019312911	<b><u>H01M 8 /-</u></b>	2018435988	2019312034
2018436989	<b><u>G06Q 10 /-</u></b>	2019343825	2019313544	2019344667	
	2019308300	<b><u>G08B 23 /-</u></b>	2019323842		
<b><u>G06F 15 /-</u></b>	2019316711	2019319423	2019332514		
	2019339331	<b><u>G08B 25 /-</u></b>	2019338937		
2019330002	2019340021	2019312911	2020216226		
	2020260490	2019343825	<b><u>G08G 1 /-</u></b>		
<b><u>G06F 16 /-</u></b>	2020260502	<b><u>G08G 1 /-</u></b>	2019336495		
	2020260508				
2019319155	2020260509				
2019327434	2020260540				
2019327554	2020331565				
2020260480					
<b><u>G06F 17 /-</u></b>					
2019327434					

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2019332984

2019312034

**H04W 12 /-** **H05K 7 /-**

2019351906 2019323620

**H04W 24 /-**

2018435341  
2018436187  
2018436197

**H04W 28 /-**

2018436122

**H04W 36 /-**

2018442732  
2019333410

**H04W 4 /-**

2019316711  
2019342016  
2020331565

**H04W 48 /-**

2018436803

**H04W 52 /-**

2019314754  
2019344667

**H04W 56 /-**

2019309583

**H04W 60 /-**

2018442248  
2019314923

**H04W 72 /-**

2018435280  
2018435434  
2018438369

**H04W 74 /-**

2018435332  
2018436122  
2019313391

**H04W 76 /-**

2019314815  
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Applications Accepted

Name Index

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- (71) 3RT Holding Pty Ltd  
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**B27M 1/02** ( 2006.01 )  
**B27N 3/00** ( 2006.01 )  
**B32B 27/04** ( 2006.01 )  
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 (31) 2015902938 (32) 23.07.15 (33) AU  
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 (74) Madderns Pty Ltd
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**A61K 31/192** ( 2006.01 )  
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**A61K 31/203** ( 2006.01 )  
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**A61K 35/747** ( 2015.01 )  
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**A61P 25/28** ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Ab Initio Technology LLC  
 (11) AU-B-2018357856  
 (21) 2018357856 (22) 30.10.2018  
 (54) Managing a computing cluster using time interval counters  
 (51) Int. Cl.  
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 (87) WO2019/089593  
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 (11) AU-B-2019203337  
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**G06F 11/34** ( 2006.01 )  
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 (72) Buxbaum, Mark; Mulligan, Michael G.; Wakeling, Tim; Atterbury, Matthew Darcy  
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 (11) AU-B-2015274277  
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**A61P 17/02** ( 2006.01 )  
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     **C09D 1/00** ( 2006.01 )  
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**C09D 5/29** ( 2006.01 )  
**C09D 7/40** ( 2018.01 )  
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ponent and method of use  
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**C07K 16/28** ( 2006.01 )  
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<b>2015283821</b>	Ozone 1 Pty Ltd	<b>2017382377</b>	ETran, Inc.
<b>2015293774</b>	Legrand SNC; Legrand France	<b>2017386444</b>	Shandong University
<b>2015305108</b>	Institut D'investigacio Biomedica de Bellvitge (Idibell)	<b>2018205389</b>	Columbia Sportswear North America, Inc.
<b>2015309695</b>	Knight, R.	<b>2018208514</b>	Pohl DWS GmbH
<b>2015316993</b>	Innate Pharma	<b>2018226755</b>	Fujitsu General Limited
<b>2015326407</b>	EnGeneC Molecular Delivery Pty Ltd	<b>2018231367</b>	Inventio AG
<b>2015327064</b>	Deutsches Krebsforschungszentrum Stiftung des Oeffentlichen Rechts	<b>2018239725</b>	Dong-A ST Co., Ltd.
<b>2015333588</b>	King Furniture Australia Pty Ltd	<b>2018257928</b>	Blue Digs LLC
<b>2015333687</b>	Novartis AG; Dana-Farber Cancer Institute, Inc.; President and Fellows of Harvard College	<b>2018274846</b>	The Regents of the University of California
<b>2015336929</b>	Havah Therapeutics Pty Ltd	<b>2018278978</b>	Aristocrat Technologies Australia Pty Limited
<b>2015353532</b>	Concentric Analgesics, Inc.	<b>2018278980</b>	Aristocrat Technologies Australia Pty Limited
<b>2015371036</b>	Marel Iceland Ehf	<b>2018283994</b>	4D Pharma Research Limited
<b>2015388744</b>	Erber Aktiengesellschaft	<b>2018286057</b>	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Fukang (Shanghai) Health Technology Co., Ltd.
<b>2016200304</b>	Caterpillar Inc.	<b>2018289416</b>	ELC Management LLC
<b>2016203659</b>	Vum Innovation LLC	<b>2018301988</b>	Wuxi Hisky Medical Technologies Co., Ltd.
<b>2016206668</b>	PepsiCo, Inc.	<b>2018333193</b>	Komatsu Ltd.
<b>2016222931</b>	Lifetime Brands, Inc.	<b>2018335193</b>	Caregen Co., Ltd.
<b>2016223359</b>	Metalogenia Research & Technologies S.L	<b>2018341922</b>	Omniceil, Inc.
<b>2016225053</b>	Happiest Baby, Inc.	<b>2018342002</b>	Albemarle Corporation
<b>2016225217</b>	Intelligent Fingerprinting Limited	<b>2018345318</b>	Quick Fitting, Inc.
<b>2016228153</b>	Manitou Italia S.r.l.	<b>2018345747</b>	The Procter & Gamble Company; The Cleveland Clinic Foundation
<b>2016228934</b>	Stonelake Pty. Ltd.	<b>2018345748</b>	The Procter & Gamble Company; The Cleveland Clinic Foundation
<b>2016233861</b>	The Regents of the University of California	<b>2018352585</b>	Fresenius Medical Care Holdings, Inc.
<b>2016245834</b>	Solenis Technologies Cayman, L.P.	<b>2018357856</b>	Ab Initio Technology LLC
<b>2016248443</b>	University of Southern California	<b>2018363333</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
<b>2016276960</b>	Brisa International LLC	<b>2018375823</b>	Leica Biosystems Imaging, Inc.
<b>2016282546</b>	Rheinmetall Waffe Munition GmbH	<b>2018377139</b>	Softenlift Ltd.
<b>2016295417</b>	3RT Holding Pty Ltd	<b>2018412575</b>	Google LLC
<b>2016295945</b>	Fisher & Paykel Healthcare Limited	<b>2019200244</b>	Columbia Steel Casting Co., Inc.
<b>2016296162</b>	Mehta, R.	<b>2019201471</b>	NorthEastern University
<b>2016297096</b>	Guardant Health, Inc.	<b>2019201496</b>	Accenture Global Solutions Limited
<b>2016298208</b>	Stryker Corporation	<b>2019201540</b>	Endurant Systems, LLC
<b>2016310429</b>	Carmine Giunti de Oliveira, L.; Orlandi Giunti Oliveira, E.	<b>2019201631</b>	Aristocrat Technologies Australia Pty Limited
<b>2016324333</b>	K2M, Inc.	<b>2019201797</b>	Nicoventures Trading Limited
<b>2016324346</b>	Paradox Carbon Flex Footwear Holdings Pty Ltd	<b>2019201878</b>	Aristocrat Technologies Australia Pty Limited
<b>2016338999</b>	Premier Energy Holdings, Inc.	<b>2019201913</b>	Turbovich, I.
<b>2016339958</b>	J&J Solutions, Inc. D/B/A Corvida Medical	<b>2019202648</b>	Trinity Bay Equipment Holdings, LLC
<b>2016343921</b>	Corning Optical Communications LLC	<b>2019202932</b>	CareFusion 303, Inc.
<b>2016346864</b>	Yuhan Corporation	<b>2019203337</b>	Ab Initio Technology LLC
<b>2016349360</b>	Crayola LLC	<b>2019203384</b>	Tohoku University; Meiji Seika Pharma Co., Ltd.; National University Corporation Tokyo University of Agriculture and Technology
<b>2016356703</b>	CommScope Technologies LLC; CommScope Asia Holdings B.V.	<b>2019204316</b>	CareFusion 303, Inc.
<b>2016362328</b>	Matsing Inc.	<b>2019204820</b>	High 5 Games, LLC
<b>2016372357</b>	Thales	<b>2019204860</b>	Casne Verige Pty Ltd
<b>2016372519</b>	Creo Medical Limited	<b>2019208260</b>	LG Electronics Inc.
<b>2016378469</b>	Société des Produits Nestlé S.A.	<b>2019210668</b>	Pneuma Respiratory, Inc.
<b>2016396638</b>	Halliburton Energy Services, Inc.	<b>2019213389</b>	Smith & Nephew, Inc.
<b>2016413727</b>	Halliburton Energy Services, Inc.	<b>2019216617</b>	BRISTOL-MYERS SQUIBB COMPANY
<b>2017208555</b>	Janssen Pharmaceutica NV	<b>2019219770</b>	ECOVATIVE DESIGN LLC
<b>2017212278</b>	Sumitomo Chemical Company, Limited	<b>2019222853</b>	China Enfi Engineering Corporation
<b>2017221890</b>	Symex Corporation	<b>2019222976</b>	Immatics Biotechnologies GmbH
<b>2017240486</b>	Becton, Dickinson and Company	<b>2019225813</b>	Eli Lilly and Company
<b>2017244108</b>	University of Southern California	<b>2019226219</b>	Berntorp, E.; Astermark, J.
<b>2017247466</b>	Société des Produits Nestlé S.A.	<b>2019229353</b>	CeMM - Forschungszentrum fur Molekulare Medizin GmbH
<b>2017252618</b>	Rohm and Haas Company	<b>2019229415</b>	Wright Medical Technology, Inc.
<b>2017264722</b>	Hager-Electro SAS		
<b>2017281082</b>	The Trustees of Columbia University in the City of New York		
<b>2017314765</b>	PVC Separation Holdings Pty Ltd		

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2019232865 Mastercard Technologies Canada ULC  
2019236662 Colgate-Palmolive Company  
2019246881 BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.  
2019246900 MedicalTree Patent Ltd  
2019261694 Allergan, Inc.  
2019261792 Centese, Inc  
2019261805 Rite-Hite Holding Corporation  
2019268215 RemeGen, Ltd.  
2019272045 Israel Weapon Industries (I.W.I) Ltd.  
2019275621 Freudenberg Medical, LLC  
2019278989 Droit Financial Technologies, LLC  
2019283860 Vista Outdoor Operations LLC  
2019378667 Alipay (Hangzhou) Information Technology Co., Ltd.  
2019400153 Xingyu Safety Protection Technology Co., Ltd  
2020200035 Levy, F.; Levy, K.  
2020200969 Visualase, Inc.  
2020201446 Cosmo Technologies Ltd.  
2020203369 M&R Printing Equipment, Inc.  
2020203436 Depuy Ireland Unlimited Company  
2020203849 Yuan-Mei Corp.  
2020205319 Freeport-McMoRan Inc.  
2020207812 SELEGGT GmbH  
2020210650 Allied Bioscience, Inc.  
2020219865 OzGreen Energy Pty Ltd  
2020230313 Strategic Resource Optimization, Inc.  
2020277206 Alarm.com Incorporated

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2020207812	2018205389	2019246900	2015326407	<b><u>A61P 31 /-</u></b>	2016276960
<b><u>A01N 25 /-</u></b>	<b><u>A41D 27 /-</u></b>	<b><u>A61K 31 /-</u></b>	2016296162	2015305108	<b><u>B03D 1 /-</u></b>
2017212278	2019201913	2015305108	2018283994	<b><u>A61M 1 /-</u></b>	2017339973
<b><u>A01N 53 /-</u></b>	<b><u>A43B 13 /-</u></b>	2015326407	2016339958	2015316993	<b><u>B05B 12 /-</u></b>
2017212278	2016324346	2015336929	2018352585	2015326407	2020203849
<b><u>A01P 7 /-</u></b>	<b><u>A43B 23 /-</u></b>	2015353532	<b><u>A61M 11 /-</u></b>	2015327064	<b><u>B05B 17 /-</u></b>
2017212278	2016324346	2016248443	2019210668	2015336929	2019210668
<b><u>A22C 17 /-</u></b>	<b><u>A43B 7 /-</u></b>	2016296162	<b><u>A61M 15 /-</u></b>	2016248443	<b><u>B05B 9 /-</u></b>
2015371036	2016324346	2017208555	2019210668	2017208555	2020203849
<b><u>A22C 25 /-</u></b>	<b><u>A46B 15 /-</u></b>	2017281082	<b><u>A61M 16 /-</u></b>	2015327064	<b><u>B05D 1 /-</u></b>
2015371036	2019236662	2017319135	2016295945	2017319135	2016349360
<b><u>A23G 1 /-</u></b>	<b><u>A47B 57 /-</u></b>	2018283994	2019210668	<b><u>A61P 37 /-</u></b>	<b><u>B21D 35 /-</u></b>
2016310429	2016203659	2018345747	<b><u>A61M 25 /-</u></b>	2017208555	2018363333
2016378469	<b><u>A47C 20 /-</u></b>	2018345748	2019210668	2017319135	<b><u>B24D 15 /-</u></b>
<b><u>A23L 13 /-</u></b>	2015333588	2019216617	2019275621	<b><u>A61P 43 /-</u></b>	<b><u>B21D 35 /-</u></b>
2017247466	<b><u>A47D 9 /-</u></b>	<b><u>A61K 35 /-</u></b>	<b><u>A61M 27 /-</u></b>	2015336929	2016222931
<b><u>A23L 23 /-</u></b>	2016225053	2015326407	2019246900	2018345747	<b><u>B25B 5 /-</u></b>
2017247466	<b><u>A47L 15 /-</u></b>	2018283994	2019261792	2018345748	2016228934
<b><u>A23L 27 /-</u></b>	2019208260	<b><u>A61K 38 /-</u></b>	<b><u>A61M 29 /-</u></b>	<b><u>A61P 7 /-</u></b>	<b><u>B25H 5 /-</u></b>
2017247466	<b><u>A61B 17 /-</u></b>	2015274277	2019246900	2019216617	2015309695
<b><u>A23L 29 /-</u></b>	2019213389	2015276089	2019261792	<b><u>A62B 18 /-</u></b>	<b><u>B25J 15 /-</u></b>
2017247466	2019229415	2015305108	<b><u>A61M 35 /-</u></b>	2016295945	2016339958
<b><u>A23L 3 /-</u></b>	2019246900	2016346864	2019210668	<b><u>A62B 35 /-</u></b>	<b><u>B26D 1 /-</u></b>
2017247466	2020200969	2018239725	<b><u>A61M 39 /-</u></b>	2018208514	2015371036
<b><u>A23L 31 /-</u></b>	2020203436	2018335193	2016295945	<b><u>A63B 69 /-</u></b>	<b><u>B26D 5 /-</u></b>
2017247466	<b><u>A61B 18 /-</u></b>	<b><u>A61K 39 /-</u></b>	2019204316	2019204860	2015371036
<b><u>A23L 33 /-</u></b>	2016372519	2015274277	<b><u>A61M 5 /-</u></b>	<b><u>A63F 13 /-</u></b>	<b><u>B26D 7 /-</u></b>
2017247466	<b><u>A61B 5 /-</u></b>	2015276089	2017240486	2018278978	2015371036
<b><u>A23L 33 /-</u></b>	2017322498	2015316993	2019204316	2018278980	<b><u>B26D 5 /-</u></b>
2018335193	<b><u>A61B 8 /-</u></b>	2015327064	2019225813	2019201878	2015371036
<b><u>A23L 5 /-</u></b>	2018301988	2015333687	<b><u>A61P 17 /-</u></b>	2019204820	<b><u>B26D 7 /-</u></b>
2017247466	<b><u>A61C 19 /-</u></b>	2017244108	2015274277	<b><u>A63F 9 /-</u></b>	2015371036
<b><u>A23P 10 /-</u></b>	2019236662	2017321039	<b><u>A61P 25 /-</u></b>	2019201913	<b><u>B26F 3 /-</u></b>
2017247466	<b><u>A61F 2 /-</u></b>	2017373740	2016295945	<b><u>A63H 33 /-</u></b>	2015371036
<b><u>A24F 47 /-</u></b>	2016298208	2018239725	2019204316	2019201913	<b><u>B27M 1 /-</u></b>
2019201797	2016324333	2018345747	2019225813	<b><u>B01D 11 /-</u></b>	2016295417
<b><u>A41B 13 /-</u></b>	2019213389	2018345748	<b><u>A61P 29 /-</u></b>	2020230313	<b><u>B27N 1 /-</u></b>
2019201913	<b><u>A61F 9 /-</u></b>	<b><u>A61K 47 /-</u></b>	2015316993	<b><u>B01D 69 /-</u></b>	2019219770
	2019261694	2015353532	2017208555	2018274846	<b><u>B27N 3 /-</u></b>
		2019268215	2017319135	<b><u>B01D 71 /-</u></b>	2016295417
		2015326407	<b><u>A61P 3 /-</u></b>	2018274846	2019219770
		2015326407	2017208555		
		2018283994	2018345747		

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<b><u>B29B 17 /-</u></b>	<b><u>B65G 1 /-</u></b>	2017247466	<b><u>C12N 15 /-</u></b>	<b><u>E04C 3 /-</u></b>	2018226755
2017314765	2016203659	<b><u>C07J 5 /-</u></b>	2015229227	2016228934	<b><u>F24F 13 /-</u></b>
<b><u>B29C 70 /-</u></b>	<b><u>B66B 19 /-</u></b>	2020201446	2017244108		2018226755
2019219770	2018231367	<b><u>C07K 14 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>F25D 23 /-</u></b>
<b><u>B32B 27 /-</u></b>	<b><u>B66C 1 /-</u></b>	2016346864	2015259573	2018208514	2016206668
2016295417	2018345318	2017244108	2019203384	<b><u>E04G 5 /-</u></b>	<b><u>F41A 19 /-</u></b>
<b><u>B32B 9 /-</u></b>	<b><u>B66F 3 /-</u></b>	2017321039	<b><u>C12N 9 /-</u></b>	2016228934	2019272045
2019219770	2018345318	2017373740	2015388744	<b><u>E04G 7 /-</u></b>	<b><u>F41C 3 /-</u></b>
<b><u>B41F 15 /-</u></b>	<b><u>B66F 7 /-</u></b>	2019222976	<b><u>C12P 19 /-</u></b>	2016228934	2019272045
2020203369	2016228153	2019229353	2016297096	<b><u>E21B 33 /-</u></b>	<b><u>F41G 1 /-</u></b>
<b><u>B41M 1 /-</u></b>	<b><u>B66F 9 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C12Q 1 /-</u></b>	2016396638	2016282546
2020203369	2018377139	2015283270	2016297096	2019201471	<b><u>F42B 12 /-</u></b>
<b><u>B41M 5 /-</u></b>	<b><u>C01G 23 /-</u></b>	2015316993	2019226219	<b><u>E21B 43 /-</u></b>	2016282546
2020203369	2018205389	2015327064	2019229353	2020230313	2019283860
<b><u>B44C 3 /-</u></b>	<b><u>C07C 271 /-</u></b>	2015333687	<b><u>C22B 23 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F42B 30 /-</u></b>
2016349360	2015353532	2017244108	2019222853	2016396638	2019283860
<b><u>B44F 9 /-</u></b>	<b><u>C07D 235 /-</u></b>	2017321039	<b><u>C22B 3 /-</u></b>	<b><u>F16B 7 /-</u></b>	<b><u>F42B 33 /-</u></b>
2016349360	2017281082	2017321039	2019222853	2016228934	2019283860
<b><u>B60R 1 /-</u></b>	<b><u>C07D 307 /-</u></b>	2018239725	<b><u>C23F 11 /-</u></b>	<b><u>F16B 9 /-</u></b>	<b><u>F42B 5 /-</u></b>
2018333193	2018286057	<b><u>C07K 19 /-</u></b>	2016245834	2016228934	2019283860
<b><u>B61B 13 /-</u></b>	<b><u>C07D 401 /-</u></b>	2015274277	<b><u>C40B 30 /-</u></b>	<b><u>F16G 11 /-</u></b>	<b><u>F42C 11 /-</u></b>
2017382377	2017208555	2016346864	2016297096	2018345318	2016282546
<b><u>B64C 27 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C40B 40 /-</u></b>	<b><u>F16G 13 /-</u></b>	<b><u>F42C 17 /-</u></b>
2019201540	2017208555	2018335193	2016297096	2019200244	2016282546
<b><u>B64C 39 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C08G 18 /-</u></b>	<b><u>D01F 1 /-</u></b>	<b><u>F16L 13 /-</u></b>	<b><u>G01B 15 /-</u></b>
2019201540	2017208555	2018342002	2019400153	2018345318	2020210650
<b><u>B64D 27 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C08J 11 /-</u></b>	<b><u>D06F 39 /-</u></b>	<b><u>F16L 17 /-</u></b>	<b><u>G01C 21 /-</u></b>
2019201540	2017208555	2017314765	2019208260	2018345318	2020205319
<b><u>B64G 1 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C08L 27 /-</u></b>	<b><u>D06M 11 /-</u></b>	<b><u>F16L 3 /-</u></b>	<b><u>G01D 5 /-</u></b>
2018257928	2017281082	2017252618	2018205389	2016228934	2016372357
<b><u>B65D 1 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C08L 79 /-</u></b>	<b><u>D06M 17 /-</u></b>	<b><u>F17D 1 /-</u></b>	<b><u>G01F 23 /-</u></b>
2018289416	2019216617	<b><u>C09D 1 /-</u></b>	2018205389	2019202648	2016200304
<b><u>B65D 19 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C09D 5 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>F17D 5 /-</u></b>	<b><u>G01H 11 /-</u></b>
2018377139	2019216617	2016245834	2019200244	2019202648	2016233861
<b><u>B65D 41 /-</u></b>	<b><u>C07F 9 /-</u></b>	<b><u>C09D 7 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>F21V 33 /-</u></b>	<b><u>G01H 17 /-</u></b>
2018289416	2017247466	2016349360	2018205389	2015309695	2016233861
<b><u>B65D 51 /-</u></b>	<b><u>C07H 19 /-</u></b>	2018205389	<b><u>C09K 8 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>G01H 5 /-</u></b>
2018289416		2016413727	<b><u>C09D 7 /-</u></b>	2018226755	2016233861
		2020230313	<b><u>E02F 3 /-</u></b>	<b><u>F24F 11 /-</u></b>	
		<b><u>C12N 1 /-</u></b>	<b><u>E03B 7 /-</u></b>		
		2019203384	2016223359		
		2019219770	2018333193		
			<b><u>E04B 2 /-</u></b>		
			2020219865		
			2016228934		



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2016372357	<b><u>G05F 1 /-</u></b>	2019201913	2016343921
<b><u>G01M 1 /-</u></b>	2016338999	<b><u>G10L 15 /-</u></b>	<b><u>H04L 12 /-</u></b>
2015333588	<b><u>G06F 11 /-</u></b>	2018412575	2019232865
<b><u>G01N 1 /-</u></b>	2019203337	<b><u>G16Z 99 /-</u></b>	<b><u>H04N 7 /-</u></b>
2018375823	<b><u>G06F 16 /-</u></b>	2019202932	2018333193
2020219865	2019201496	<b><u>H01H 23 /-</u></b>	<b><u>H04Q 9 /-</u></b>
<b><u>G01N 21 /-</u></b>	2019378667	2015293774	2018333193
2017221890	<b><u>G06F 21 /-</u></b>	<b><u>H01L 31 /-</u></b>	<b><u>H04R 7 /-</u></b>
<b><u>G01N 23 /-</u></b>	2019232865	2016338999	2016233861
2020210650	<b><u>G06F 3 /-</u></b>	<b><u>H01Q 1 /-</u></b>	<b><u>H04W 4 /-</u></b>
<b><u>G01N 27 /-</u></b>	2015333588	2016362328	2017339771
2017322498	<b><u>G06F 40 /-</u></b>	2018257928	
<b><u>G01N 29 /-</u></b>	2019278989	<b><u>H01Q 21 /-</u></b>	<b><u>H05K 7 /-</u></b>
2018301988	<b><u>G06F 9 /-</u></b>	2018257928	2019261805
<b><u>G01N 33 /-</u></b>	2018357856	<b><u>H01Q 25 /-</u></b>	
2016225217	<b><u>G06N 5 /-</u></b>	2016362328	
2017322498	2017386444	<b><u>H01Q 3 /-</u></b>	
2020207812	<b><u>G06Q 10 /-</u></b>	2018257928	
2020219865	2019201496	<b><u>H01T 19 /-</u></b>	
<b><u>G01N 35 /-</u></b>	<b><u>G06Q 30 /-</u></b>	2015283821	
2017221890	2020277206	<b><u>H02G 1 /-</u></b>	
2018375823	<b><u>G06Q 50 /-</u></b>	2018345318	
<b><u>G01S 19 /-</u></b>	2019278989	<b><u>H02G 3 /-</u></b>	
2019246881	<b><u>G07F 11 /-</u></b>	2015293774	
2020205319	2018341922	<b><u>H02H 3 /-</u></b>	
<b><u>G01S 5 /-</u></b>	<b><u>G07F 17 /-</u></b>	2017264722	
2020205319	2018278978	<b><u>H02M 7 /-</u></b>	
<b><u>G01V 1 /-</u></b>	2019201631	2016338999	
2016372357	<b><u>G08B 13 /-</u></b>	<b><u>H02P 1 /-</u></b>	
<b><u>G01V 8 /-</u></b>	2020277206	2016338999	
2016372357	<b><u>G08B 25 /-</u></b>	<b><u>H02P 27 /-</u></b>	
<b><u>G02B 21 /-</u></b>	2020277206	2016338999	
2017221890	<b><u>G08B 29 /-</u></b>	<b><u>H02P 9 /-</u></b>	
<b><u>G02B 3 /-</u></b>	2020277206	2015201481	
2016362328	<b><u>G08C 23 /-</u></b>	<b><u>H04B 10 /-</u></b>	
<b><u>G02B 6 /-</u></b>	2020277206	2016343921	
2016356703	<b><u>G08G 1 /-</u></b>	<b><u>H04B 3 /-</u></b>	
<b><u>G05B 19 /-</u></b>	2020205319	2016343921	
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**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) Apple Inc.  
 (11) AU-B-2020101440  
 (21) 2020101440 (22) 22.07.2020  
 (54) Wireless power systems with charging status information  
 (51) Int. Cl.  
     *H02J 50/00* ( 2016.01 )  
     *G09G 3/00* ( 2006.01 )  
     *H02J 7/00* ( 2006.01 )  
 (31) 62/884,391 (32) 08.08.19 (33) US  
     16/562,278 05.09.19 US  
     16/675,082 05.11.19 US  
 (45) 18.03.2021  
 (72) Sepahvand, Hossein  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Volt Power Group Limited  
 (11) AU-B-2020101347  
 (21) 2020101347 (22) 13.07.2020  
 (54) A WASTE HEAT RECOVERY SYSTEM  
 (51) Int. Cl.  
     *F02G 5/02* ( 2006.01 )  
     *F01K 23/10* ( 2006.01 )  
     *F02C 6/18* ( 2006.01 )  
 (45) 18.03.2021  
 (72) Banner, Tim  
 (74) WRAYS PTY LTD

**Numerical Index**

2020101347 Volt Power Group Limited  
2020101440 Apple Inc.

**IPC Index**

**F01K 23 /-**

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**F02C 6 /-**

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**F02G 5 /-**

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**G09G 3 /-**

2020101440

**H02J 50 /-**

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**H02J 7 /-**

2020101440

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2016232452 **Eternit GmbH** ( James Hardie Technology Limited )
- 2017201858 **Polaris IP Pty Ltd** ( TCT Group Pty Ltd )
- 2018256522 **Mobeewave Systems ULC** ( Pizzeyes Patent and Trade Mark Attorneys Pty Ltd )
- 2018382935 **Etex Services NV** ( James Hardie Technology Limited )
- 2019204224 **Manildra Milling Corporation** ( MGP Ingredients, Inc )

**Opposition Withdrawn**

- 2015321681 **Earth Technologies USA Limited** ( Mining Advisory Services Pty Ltd )

**Opposition Withdrawn - Proceed to Grant**

- 2016200473 **Liberation Developments Pty Ltd** ( Coleman Greig Lawyers Pty Ltd )

**Patents Granted**

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2014268220	2014306284	2014308899	2014309730
2014336070	2014343709	2014347669	2014414902
2015200536	2015201296	2015210761	2015227522
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2015276109	2015276155	2015276938	2015292268
2015298356	2015306910	2015311830	2015317531
2015317996	2015318799	2015320504	2015323957
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2016349465	2016350051	2016353469	2016354402
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2016368287	2016370713	2016371240	2016371453
2016383056	2017204979	2017205182	2017209835
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2017234042	2017234645	2017242901	2017242906
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**Patents Granted**

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2018282440	2018286361	2018290516	2018291866
2018295722	2018298218	2018298253	2018303085
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2018341833	2018348119	2018355541	2018357176
2018361851	2018363699	2018372664	2018387585
2018388962	2018396402	2018398089	2018398829
2018398858	2018410946	2018419727	2019200218
2019200786	2019201109	2019201131	2019201182
2019201592	2019201850	2019201877	2019201997
2019202248	2019202269	2019202615	2019202908
2019203023	2019203187	2019203208	2019203333
2019203465	2019203595	2019203835	2019203994
2019204017	2019204182	2019204189	2019204322
2019204873	2019205980	2019206035	2019209426
2019210514	2019210534	2019216591	2019222619
2019231128	2019245407	2019246934	2019257475
2019257512	2019261753	2019272052	2019275532
2019279976	2019284070	2019417557	2020200010
2020200028	2020201261	2020202169	2020202493
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**Innovation Patents**

2017101897	2018102200	2019101774	2020103155
2020103242	2020103375	2020103520	2020103549
2020103621	2020103648	2020103765	2020103799
2020103852	2020103907	2020103943	2020103947
2020103964	2020104081	2020104124	2020104190
2020104283	2020104298	2020104299	2020104300
2020104301	2020104302	2020104303	2020104304
2020104305	2020104308	2020104309	2020104310
2020104311	2020104312	2020104313	2020104314
2020104315	2020104316	2020104317	2020104318
2020104319	2020104320	2020104321	2020104322
2020104323	2020104324	2020104325	2020104326
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2020104331	2020104332	2020104333	2020104334
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2020104393	2020104394	2020104395	2020104396
2020104397	2020104398	2020104400	2020104402
2020104404	2020104408	2020104409	2020104410
2021100000	2021100001	2021100002	2021100003
2021100004	2021100008	2021100011	2021100013
2021100014	2021100015	2021100016	2021100020
2021100021	2021100022		

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

The following application(s) for Extension of Term have been accepted under Section 74.

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

**2002217082 Novartis AG**

The earliest first regulatory approval date provided by the patentee 21 Jul 2020

For the goods ATECTURA BREEZHALER 125/127.5 indacaterol (as acetate)/mometasone furoate

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2004264937 Array BioPharma Inc.**

The earliest first regulatory approval date provided by the patentee 13 Aug 2020

For the goods TUKYSA tucatinib

Address for service : Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

**2006272978 BIAL - Portela & Ca, S.A.**

The earliest first regulatory approval date provided by the patentee 23 Sep 2020

For the goods ONGENTYS opicapone

Address for service : Davies Collison Cave Pty Ltd 1 Nicholson Street Melbourne VIC 3000 AU

**2006315383 Array Biopharma Inc.**

The earliest first regulatory approval date provided by the patentee 13 Aug 2020

For the goods TUKYSA tucatinib

Address for service : Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

**2007264946 Novartis AG**

The earliest first regulatory approval date provided by the patentee 21 Jul 2020

For the goods ATECTURA BREEZHALER 125/127.5 indacaterol (as acetate)/mometasone furoate

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2008312435 Otsuka Pharmaceutical Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 02 Nov 2020

For the goods INQOVI 35/100 decitabine 35 mg and cedazuridine 100 mg

Address for service : Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

**2012322039 Array BioPharma Inc.**

The earliest first regulatory approval date provided by the patentee 13 Aug 2020

For the goods TUKYSA tucatinib

Address for service : Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

**Corrigenda**

In Vol 35 , No 10 , Page(s) 1495 under the heading **Amendments - Application for Amendments** Under the name The University of York,

**Corrigenda**

Patent Application No. 2015261278 correct the date of the statements filed to 8 Jan 2021 and 11 Jan 2021

In Vol 35 , No 10 , Page(s) 1495 under the heading **Amendments - Application for Amendments** Under the name Delta Panels Pty Ltd, Innovation Patent No. 2018101435 correct the date of the statements to 24 Nov 2020 and 2 Feb 2021

In Vol 35 , No 10 , Page(s) 1496 under the heading **Amendments - Application for Amendments** Under the name CSR Building Products Limited, Innovation Patent No. 2019101382 correct the date of the statements filed to 8 Sep 2020, 23 Nov 2020 and 29 Jan 2021

In Vol 35 , No 10 , Page(s) 1610 under the heading **Applications Accepted - Name Index** Under the name Guangzhou Xaircraft Technology Co., Ltd, Application No.2018299490, under INID (54) correct the title to read Atomizing disc, atomizing device with atomizing disc, and unmanned aerial vehicle

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

- 2016274498 **Myco Sciences Limited**
- 2016308613 **Pioneer Lining Technology Limited**
- 2016320772 **Fresenius Medical Care Holdings, Inc.**
- 2017246238 **Veedol Lubricants Pty Ltd**
- 2018392212 **Institute of Organic Chemistry and Biochemistry ASCR, v.v.i.**