



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



## Contents

### General Information & Notices

#### Amendments

Applications for Amendment .....	5410
Amendments Made .....	5410
Alteration of Name(s) of Applicant(s)/Patentee(s) .....	5411
Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules .....	5413

#### Applications Accepted

Name Index .....	5493
Numerical Index .....	5534
IPC Index .....	5538

Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired .....	5405
---	------

#### Applications Open to Public Inspection

Name Index .....	5414
Numerical Index .....	5432
IPC Index .....	5434

Assignments before Grant, Section 113 .....	5407
---	------

Assignments Registered .....	5549
------------------------------	------

#### Certified Innovation Patents

Name Index .....	5545
Numerical Index .....	5546
IPC Index .....	5547

#### Complete Applications Filed

Name Index .....	5369
Numerical Index .....	5379

Corrigenda .....	5549
------------------	------

<b>Extensions of Term of Standard Patents .....</b>	<b>5549</b>
<b>Extensions of Time, Section 223 .....</b>	<b>5409</b>
<b>Innovation Patent Applications Filed</b>	
Name Index .....	5381
Numerical Index .....	5401
<b>Innovation Patents Open to Public Inspection</b>	
Name Index .....	5437
Numerical Index .....	5454
IPC Index .....	5456
<b>PCT applications which have entered the National Phase</b>	
Name Index .....	5459
Numerical Index .....	5485
IPC Index .....	5488
<b>Patents Granted .....</b>	<b>5548</b>
<b>Opposition Proceedings .....</b>	<b>5548</b>
<b>Provisional Applications Filed</b>	
Name Index .....	5365
Numerical Index .....	5368
<b>Specifications Republished .....</b>	<b>5550</b>

## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

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

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

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

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

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

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

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Amsted Rail Company, Inc. 2021 APO 25***

Patent Application: 2016204148

Title: Apparatus for Managing Transportation Vehicles

Patent Applicant: Amsted Rail Company, Inc.

Delegate: Dr W.E. Guinea

Decision Date: 23 June 2021

Hearing Date: Written submissions filed 16 September 2019, 27 February 2020 and 28 August 2020

Catchwords: **PATENTS** – standard patent – Examiner objections – manner of manufacture – substance of the invention resides in a scheme for, providing vehicle cargo packing slip information and cargo safety information with the vehicle, such that the vehicle cargo packing slip information can be read remotely only by an authorised user, while the cargo safety information can be read remotely by other users, within the in the context of transportation of cargo by vehicles – all claims lack a manner of manufacture – no patentable subject matter in application – inventive step not considered – application refused.

Representation: Patent attorney for the applicant: IP Gateway Patent and Trade Mark Attorneys Pty Ltd

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 15 Jun 2021 .

(71) Adverto Pty Ltd (21) 2021901820 (22) 17.06.2021 (54) INTERACTIVE DIGITAL DISPLAY SYSTEMS AND METHODS FOR OUT-DOOR ADVERTISING	(71) Carbon Revolution Limited (21) 2021901838 (22) 18.06.2021 (54) FACE TO RIM REINFORCING CONNECTOR OF A COMPOSITE WHEEL	(71) Curry, A. (21) 2021901769 (22) 11.06.2021 (54) BOXING BAG FRAME
(71) Andersen, M. (21) 2021901772 (22) 13.06.2021 (54) Stackable Building Drink Block	(71) Castcom Technologies Pty Ltd (21) 2021901801 (22) 16.06.2021 (54) Smelting of metal-containing materials	(71) Deakin University (21) 2021901834 (22) 18.06.2021 (54) Healable and reprocessable compositions
(71) ARCACTIVE LIMITED (21) 2021901837 (22) 18.06.2021 (54) LEAD-ACID BATTERY	(71) Clarke, P. (21) 2021901830 (22) 18.06.2021 (54) Head Raise Abdomen Vibration Exercise Device	(71) Droplet Universe Pty Ltd (21) 2021901806 (22) 16.06.2021 (54) SYSTEMS AND METHODS FOR DETERMINING USER ENGAGEMENT
(71) Aspect Dynamics Pty Ltd (21) 2021901774 (22) 14.06.2021 (54) Quick attach/detach threaded fastener	(71) Coma, A. (21) 2021901805 (22) 16.06.2021 (54) Vendors Paradise	(71) Earthling 3.0 Pty Ltd (21) 2021901812 (22) 16.06.2021 (54) Hybrid Shoe
(71) Barrington IP Holdings Pty Ltd (21) 2021901775 (22) 14.06.2021 (54) PROCESS AND PLANT	(71) Commonwealth Scientific and Industrial Research Organisation; Monash University (21) 2021901783 (22) 15.06.2021 (54) NON-INVASIVE BIOANALYTE DETECTION AND MONITORING	(71) Eco-Global Energy Pty Limited (21) 2021901808 (22) 16.06.2021 (54) SYSTEMS, METHODS AND APPARATUS FOR PRODUCING AN ELECTROLYSIS GAS, HYDROGEN GAS, A HYDROGEN STORAGE AND DELIVERY SYSTEM AND STORAGE CANNISTER
(71) Bionic Products Pty Ltd (21) 2021901835 (22) 18.06.2021 (54) Cold air plasma generating apparatus	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2021901842 (22) 18.06.2021 (54) SYNTHESIS OF HALOGENATED ALKOXYETHANE	<b>Edmonds, G. see French, E.</b> (21) 2021901797
<b>Bourcier, W. see McNicoll, C.</b> (21) 2021901767	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2021901844 (22) 18.06.2021 (54) PRODUCTION OF HALOGENATED ALKOXYETHANE	(71) EKK Holdings Pty Ltd (21) 2021901776 (22) 14.06.2021 (54) AN ADJUSTABLE FUEL INLET ASSEMBLY AND METHODS OF USE THEREOF
<b>Bourcier, W. see McNicoll, C.</b> (21) 2021901768	(71) CSL Innovation Pty Ltd (21) 2021901818 (22) 17.06.2021 (54) Methods for treating inflammatory skin conditions	(71) Exopharm Limited (21) 2021901807 (22) 16.06.2021 (54) Aqueous formulation

Provisional Applications Filed - Name Index cont'd

(71) Fernando, G.  
(21) 2021901784 (22) 15.06.2021  
(54) DRIVER DROWSINESS RELATED FATALITY PREVENTION SYSTEM

(71) French, E.; Edmonds, G.  
(21) 2021901797 (22) 16.06.2021  
(54) SYSTEMS AND METHODS OF ENERGY GENERATION, TRANSMISSION AND/OR STORAGE

(71) G2 Microsystems Pty Ltd  
(21) 2021901809 (22) 16.06.2021  
(54) DRONE LANDING SYSTEM AND ASSEMBLY

(71) Godfrey, S.  
(21) 2021901817 (22) 17.06.2021  
(54) A vehicular warning system

(71) Graphlex Technology Pty Ltd  
(21) 2021901777 (22) 14.06.2021  
(54) An in-belt idler resistance sensor and logging system for the condition monitoring of endless conveyor belts

(71) Gretals Australia Pty Ltd  
(21) 2021901843 (22) 18.06.2021  
(54) METHODS FOR THE PRODUCTION OF PINOCEMBRIN AND METHYLATED FORMS THEREOF

(71) Hanna, T.  
(21) 2021901836 (22) 18.06.2021  
(54) Adhesive breast covers

(71) Hyper Q Aerospace Holdings Pty Ltd  
(21) 2021901821 (22) 17.06.2021  
(54) A Swashplate Assembly

(71) InfraBuild Wire Pty Limited  
(21) 2021901764 (22) 11.06.2021  
(54) WIRE DISPENSING APPARATUS

(71) Intelligent Medical Technologies Pty Limited  
(21) 2021901780 (22) 15.06.2021  
(54) ULTRASONIC NEBULIZER AND SANITIZER DEVICE AND METHOD

(71) Intelligent Medical Technologies Pty Limited  
(21) 2021901781 (22) 15.06.2021  
(54) Auto Injector

(71) Intelligent Medical Technologies Pty Limited  
(21) 2021901782 (22) 15.06.2021  
(54) ANTIVIRAL COMPOSITION, KIT AND METHOD OF TREATMENT

(71) ITI (Australia) Pty Ltd  
(21) 2021901816 (22) 17.06.2021  
(54) Decking Fastener Assembly

(71) KG 33 Investments Pty Ltd  
(21) 2021901773 (22) 14.06.2021  
(54) A polishing composition

(71) Khan, N.  
(21) 2021901833 (22) 18.06.2021  
(54) IMPROVED BALL THROWING ASSEMBLY

(71) Little, G.  
(21) 2021901815 (22) 17.06.2021  
(54) A Therapy Apparatus and Method of Use

**LOPEZ, A. see PANT, H.**  
(21) 2021901822

(71) Lovell, A.  
(21) 2021901770 (22) 12.06.2021  
(54) A Floral Arrangement Apparatus

(71) mcinnes, g.  
(21) 2021901771 (22) 13.06.2021  
(54) modular structural building system

(71) McNicoll, C.; O'Sullivan, M.; Bourcier, W.  
(21) 2021901767 (22) 11.06.2021  
(54) PROCESS AND SYSTEM

(71) McNicoll, C.; O'Sullivan, M.; Bourcier, W.  
(21) 2021901768 (22) 11.06.2021  
(54) PROCESS AND SYSTEM

**Melbourne group Australia see Melbourne Group Australia**  
(21) 2021901795

(71) Melbourne Group Australia; Melbourne group Australia  
(21) 2021901795 (22) 16.06.2021  
(54) Build-A-bouquet

(71) Mitra, A.  
(21) 2021901814 (22) 16.06.2021  
(54) IMAGE-GUIDED WHOLE-BODY STEROTACTIC DEVICE

**Monash University see Commonwealth Scientific and Industrial Research Organisation**  
(21) 2021901783

(71) Monash University  
(21) 2021901788 (22) 15.06.2021  
(54) Phenolic-graphene oxide compositions

(71) NEMATIQU PTY LTD  
(21) 2021901785 (22) 15.06.2021  
(54) METHOD OF MAKING A COMPOSITION AND A METHOD OF MAKING A FILTRATION MEMEBRANE

(71) NEMATIQU PTY LTD  
(21) 2021901786 (22) 15.06.2021  
(54) A FILTER AND A METHOD OF MAKING A FILTER

**O'Sullivan, M. see McNicoll, C.**  
(21) 2021901767

**O'Sullivan, M. see McNicoll, C.**  
(21) 2021901768

(71) Opsel Pty Ltd  
(21) 2021901778 (22) 14.06.2021  
(54) BREATHING ASSISTANCE APPARATUS

(71) Ottimo Design Pty Ltd  
(21) 2021901839 (22) 18.06.2021  
(54) FRUIT SORTING EQUIPMENT

(71) PANT, H.; LOPEZ, A.; SCHEMBRI, M.  
(21) 2021901822 (22) 17.06.2021  
(54) Compositions and uses thereof

(71) Perera, G.  
(21) 2021901824 (22) 17.06.2021  
(54) Catch-Up Social D&M Shout

(71) Powell Hydrogen Pty Ltd  
(21) 2021901803 (22) 16.06.2021  
(54) AIRSHIP FOR TRANSPORTING AND DELIVERING GASEOUS COMPONENT

(71) RA Corporation Pty Ltd  
(21) 2021901761 (22) 11.06.2021  
(54) Remote Switching Device

(71) Red Earth Energy Storage Ltd  
(21) 2021901787 (22) 15.06.2021  
(54) Solar energy storage system for block-chain processing

(71) Rhino Rack Australia Pty Limited  
(21) 2021901841 (22) 18.06.2021  
(54) Fixing device

Provisional Applications Filed - Name Index cont'd

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(71) Rowe, D.  
 (21) 2021901800 (22) 16.06.2021  
 (54) Electrical Power Point

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(71) Russ, J.  
 (21) 2021901790 (22) 15.06.2021  
 (54) INFANT BOTTLE

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(71) Sadleir Laboratories Pty Ltd  
 (21) 2021901792 (22) 15.06.2021  
 (54) Medication Delivery System and Method

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(71) Sadleir Laboratories Pty Ltd  
 (21) 2021901794 (22) 15.06.2021  
 (54) Medication Delivery Systems, Apparatuses and Methods

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SCHEMBRI, M. see PANT, H.  
 (21) 2021901822

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(71) Scottie Investments Pty Ltd  
 (21) 2021901796 (22) 16.06.2021  
 (54) Multi marker and components therefor

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(71) SDIP HOLDINGS PTY LTD  
 (21) 2021901810 (22) 16.06.2021  
 (54) TECHNOLOGY CONFIGURED TO ASSIST IN SEIZURE CONDITION CLASSIFICATION FOR A HUMAN SUBJECT, INCLUDING CLASSIFICATION AS EPILEPTIC OR PSYCHOGENIC NONEPILEPTIC

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(71) SDIP HOLDINGS PTY LTD  
 (21) 2021901811 (22) 16.06.2021  
 (54) TECHNOLOGY CONFIGURED TO ENABLE TRAINING AND OPERATION OF AI CLASSIFIERS TO PREDICT HUMAN CONDITIONS BASED ON BLEPHAROMETRIC DATA, INCLUDING BLEPHAROMETRIC DATA SEGREGATION

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(71) segman, a.  
 (21) 2021901779 (22) 14.06.2021  
 (54) Conrock Retaining Wall Basement System

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(71) Sharma, K.  
 (21) 2021901804 (22) 16.06.2021  
 (54) Earn rewards to capture carbon from trees or plants

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(71) Sleeping Duck Pty Ltd  
 (21) 2021901791 (22) 15.06.2021  
 (54) MODULAR BED BASE

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(71) Technological Resources Pty. Limited  
 (21) 2021901798 (22) 16.06.2021  
 (54) A METHOD AND SYSTEM FOR LOGGING DATA FOR A MINERAL SAMPLE

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(71) Technological Resources Pty. Limited  
 (21) 2021901802 (22) 16.06.2021  
 (54) METHOD AND SYSTEM FOR FORECASTING A PROCESS

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(71) The Trustee for JUMPING PILLOWS TRUST  
 (21) 2021901813 (22) 16.06.2021  
 (54) Spring Master "Therapeutic Bounce facility"

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(71) The University of Adelaide  
 (21) 2021901825 (22) 17.06.2021  
 (54) METHOD AND APPARATUS FOR ALUMINA CALCINATION

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(71) The University of Western Australia  
 (21) 2021901823 (22) 17.06.2021  
 (54) Process and apparatus to recover helium

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(71) Trackster Global  
 (21) 2021901840 (22) 18.06.2021  
 (54) SUPPLY CHAIN INSURANCE TRACKER

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(71) TTD GLOBAL PTY LTD  
 (21) 2021901789 (22) 15.06.2021  
 (54) IN-LINE ELECTROCHEMICAL REACTOR

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(71) Woosoo Pty Ltd  
 (21) 2021901793 (22) 15.06.2021  
 (54) Pellet dispenser

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(71) Zip Heaters (Australia) Pty Limited  
 (21) 2021901819 (22) 17.06.2021  
 (54) Sanitising system for drinking water systems

Numerical Index

<b>2021901761</b>	RA Corporation Pty Ltd	<b>2021901838</b>	Carbon Revolution Limited
<b>2021901764</b>	InfraBuild Wire Pty Limited	<b>2021901839</b>	Ottimo Design Pty Ltd
<b>2021901767</b>	McNicoll, C.; O'Sullivan, M.; Bourcier, W.	<b>2021901840</b>	Trackster Global
<b>2021901768</b>	McNicoll, C.; O'Sullivan, M.; Bourcier, W.	<b>2021901841</b>	Rhino Rack Australia Pty Limited
<b>2021901769</b>	Curry, A.	<b>2021901842</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2021901770</b>	Lovell, A.	<b>2021901843</b>	Gretals Australia Pty Ltd
<b>2021901771</b>	mcinnes, g.	<b>2021901844</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2021901772</b>	Andersen, M.		
<b>2021901773</b>	KG 33 Investments Pty Ltd		
<b>2021901774</b>	Aspect Dynamics Pty Ltd		
<b>2021901775</b>	Barrington IP Holdings Pty Ltd		
<b>2021901776</b>	EKK Holdings Pty Ltd		
<b>2021901777</b>	Graphlex Technology Pty Ltd		
<b>2021901778</b>	Opsel Pty Ltd		
<b>2021901779</b>	segman, a.		
<b>2021901780</b>	Intelligent Medical Technologies Pty Limited		
<b>2021901781</b>	Intelligent Medical Technologies Pty Limited		
<b>2021901782</b>	Intelligent Medical Technologies Pty Limited		
<b>2021901783</b>	Commonwealth Scientific and Industrial Research Organisation; Monash University		
<b>2021901784</b>	Fernando, G.		
<b>2021901785</b>	NEMATIQU PTY LTD		
<b>2021901786</b>	NEMATIQU PTY LTD		
<b>2021901787</b>	Red Earth Energy Storage Ltd		
<b>2021901788</b>	Monash University		
<b>2021901789</b>	TTD GLOBAL PTY LTD		
<b>2021901790</b>	Russ, J.		
<b>2021901791</b>	Sleeping Duck Pty Ltd		
<b>2021901792</b>	Sadleir Laboratories Pty Ltd		
<b>2021901793</b>	Woosoo Pty Ltd		
<b>2021901794</b>	Sadleir Laboratories Pty Ltd		
<b>2021901795</b>	Melbourne Group Australia; Melbourne group Australia		
<b>2021901796</b>	Scottie Investments Pty Ltd		
<b>2021901797</b>	French, E.; Edmonds, G.		
<b>2021901798</b>	Technological Resources Pty. Limited		
<b>2021901799</b>	Brebner, G.R.		
<b>2021901800</b>	Rowe, D.		
<b>2021901801</b>	Castcom Technologies Pty Ltd		
<b>2021901802</b>	Technological Resources Pty. Limited		
<b>2021901803</b>	Powell Hydrogen Pty Ltd		
<b>2021901804</b>	Sharma, K.		
<b>2021901805</b>	Coma, A.		
<b>2021901806</b>	Droplet Universe Pty Ltd		
<b>2021901807</b>	Exopharm Limited		
<b>2021901808</b>	Eco-Global Energy Pty Limited		
<b>2021901809</b>	G2 Microsystems Pty Ltd		
<b>2021901810</b>	SDIP HOLDINGS PTY LTD		
<b>2021901811</b>	SDIP HOLDINGS PTY LTD		
<b>2021901812</b>	Earthling 3.0 Pty Ltd		
<b>2021901813</b>	The Trustee for JUMPING PILLOWS TRUST		
<b>2021901814</b>	Mitra, A.		
<b>2021901815</b>	Little, G.		
<b>2021901816</b>	ITI (Australia) Pty Ltd		
<b>2021901817</b>	Godfrey, S.		
<b>2021901818</b>	CSL Innovation Pty Ltd		
<b>2021901819</b>	Zip Heaters (Australia) Pty Limited		
<b>2021901820</b>	Adverto Pty Ltd		
<b>2021901821</b>	Hyper Q Aerospace Holdings Pty Ltd		
<b>2021901822</b>	PANT, H.; LOPEZ, A.; SCHEMBRI, M.		
<b>2021901823</b>	The University of Western Australia		
<b>2021901824</b>	Perera, G.		
<b>2021901825</b>	The University of Adelaide		
<b>2021901830</b>	Clarke, P.		
<b>2021901833</b>	Khan, N.		
<b>2021901834</b>	Deakin University		
<b>2021901835</b>	Bionic Products Pty Ltd		
<b>2021901836</b>	Hanna, T.		
<b>2021901837</b>	ARCACTIVE LIMITED		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 15 Jun 2021 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

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(71) 4D Pharma Research Limited  
 (21) 2021203891 (22) 11.06.2021  
 (54) Compositions comprising bacterial strains  
 (62) 2018283994

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(71) Academisch Ziekenhuis Leiden  
 (21) 2021203838 (22) 10.06.2021  
 (54) Prohemostatic proteins for the treatment of bleeding  
 (62) 2015268149

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(71) Acoustic Zoom, Inc.  
 (21) 2021203714 (22) 07.06.2021  
 (54) SYSTEM AND METHOD FOR SPATIALLY IMAGING AND CHARACTERIZING PROPERTIES OF ROCK FORMATIONS USING SPECULAR AND NON-SPECULAR BEAMFORMING  
 (62) 2019201443

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(71) Acutus Medical, Inc.  
 (21) 2021203653 (22) 04.06.2021  
 (54) Localization system and method useful in the acquisition and analysis of cardiac information  
 (62) 2016260522

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**Adama Makhteshim Ltd. see Rhodia Operations**  
 (21) 2021203824

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(71) AdvanSix Resins & Chemicals LLC  
 (21) 2021203814 (22) 09.06.2021  
 (54) METHODS AND COMPOSITIONS FOR POLYURETHANE DISPERSIONS USING CAPROLACTAM-DERIVED SOLVENTS  
 (62) 2018292248

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(71) Allergan, Inc.  
 (21) 2021203665 (22) 04.06.2021  
 (54) Fixed dose combination of brimonidine and timolol  
 (62) 2016233125

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(71) AMADEUS S.A.S  
 (21) 2021203921 (22) 11.06.2021  
 (54) Expense fraud detection  
 (31) 2006238 (32) 16.06.20 (33) FR  
 16/902,960 16.06.20 US

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(71) American Gene Technologies International Inc.  
 (21) 2021203836 (22) 10.06.2021  
 (54) Methods and compositions for the activation of gamma-delta T-cells  
 (62) 2017207906

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(71) Amphibian Holdings Pty Ltd  
 (21) 2021203767 (22) 08.06.2021  
 (54) A POWER SAFETY DEVICE CONFIGURED FOR OUTDOOR USE  
 (31) 2020901885 (32) 09.06.20 (33) AU

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(71) Animal Ethics Pty Ltd  
 (21) 2021203856 (22) 10.06.2021  
 (54) Topical anaesthetic composition having improved vasoconstrictor stability

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(71) Apogenix AG  
 (21) 2021203792 (22) 09.06.2021  
 (54) Single-chain CD137-receptor agonist proteins  
 (62) 2016341400

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(71) Apple Inc.  
 (21) 2021203738 (22) 07.06.2021  
 (54) Chroma quantization in video coding  
 (62) 2020202363

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(71) Apple Inc.  
 (21) 2021203782 (22) 08.06.2021  
 (54) Systems and methods for multitasking on an electronic device with a touch-sensitive display  
 (62) 2019283870

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(71) Apple Inc.  
 (21) 2021203908 (22) 11.06.2021  
 (54) Using context information to facilitate processing of commands in a virtual assistant  
 (62) 2019200732

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(71) Apple Inc.  
 (21) 2021203914 (22) 11.06.2021  
 (54) Processing of commands in a virtual assistant  
 (62) 2019200732

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(71) Aqualand Industries Limited  
 (21) 2021203690 (22) 04.06.2021

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(54) CRAFT FOR USE ON A BODY OF WATER AND TRANSPORT AND CONTROL SYSTEM THEREFORE  
 (62) 2016336101

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(71) Arch Biopartners, Inc.  
 (21) 2021203872 (22) 10.06.2021  
 (54) DPEP-1 binding compositions and methods of use  
 (62) 2016305299

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(71) Aristocrat Technologies, Inc.  
 (21) 2021203893 (22) 11.06.2021  
 (54) DIGITAL TABLE GAME SYSTEMS AND METHODS  
 (31) 16/899,525 (32) 11.06.20 (33) US

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2021203698 (22) 04.06.2021  
 (54) GAMING MACHINE WITH FIXED WILD SYMBOLS AND MULTIPLIER  
 (62) 2018279022

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2021203850 (22) 10.06.2021  
 (54) A GAMING MACHINE AND METHOD FOR PROVIDING A FEATURE GAME  
 (62) 2021201699

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(71) Ascendis Pharma Growth Disorders A/S  
 (21) 2021203717 (22) 07.06.2021  
 (54) CNP prodrugs  
 (62) 2016205968

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(71) A-SHA REPUBLIC INC.  
 (21) 2021203751 (22) 07.06.2021  
 (54) METHOD FOR MANUFACTURING EASY-TO-COOK AND EASY-TO-BREW NOODLES

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(71) Aurigene Discovery Technologies Limited  
 (21) 2021203761 (22) 08.06.2021  
 (54) Bicyclic heterocycl derivatives as IRAK4 inhibitors  
 (62) 2019283795

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(71) Austin Star Detonator Company  
 (21) 2021203451 (22) 27.05.2021

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Complete Applications Filed - Name Index cont'd

(54) Methods and apparatus for confirmation time break (CTB) determination and shotpoint in-situ recording in seismic detonators  
(62) 2020202139

(71) Automated Clinical Guidelines, LLC; Dew, D.; Halpern, S.; Engler, H.; Stewart, D.; Dew, D.; Dew, D.; Stratton, S.  
(21) 2021203679 (22) 04.06.2021  
(54) A system for use by a medical professional, for diagnosing a cause of a patient medical condition and for providing a patient medical condition report, including a diagnosis and treatment  
(62) 2015343261

(71) BALLANCE AGRI-NUTRIENTS LIMITED  
(21) 2021203659 (22) 04.06.2021  
(54) PARTICULATE NITRIFICATION INHIBITOR SYSTEMS  
(62) 2019202705

(71) Baylor College of Medicine; Texas Heart Institute  
(21) 2021203956 (22) 15.06.2021  
(54) Esophageal probes and methods  
(62) 2016324501

(71) Bellicum Pharmaceuticals, Inc.  
(21) 2021203741 (22) 07.06.2021  
(54) Methods for activating T cells using an inducible chimeric polypeptide  
(62) 2015218396

(71) BioConsortia, Inc.  
(21) 2021203932 (22) 14.06.2021  
(54) AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA  
(62) 2016219488

(71) Blinxel Pty Ltd  
(21) 2021203688 (22) 04.06.2021  
(54) Volumetric depth video recording and playback  
(62) 2016336030

(71) BMC Software, Inc.  
(21) 2021203656 (22) 04.06.2021  
(54) PERFORMANCE PREDICTION USING DYNAMIC MODEL CORRELATION  
(31) 62/704,966 (32) 04.06.20 (33) US 16/949,477 30.10.20 US

(71) Borealis AG  
(21) 2021203912 (22) 11.06.2021  
(54) Cable jacket composition  
(62) 2018248884

(71) Breville Pty Limited  
(21) 2021203832 (22) 10.06.2021  
(54) Cooktop  
(62) 2015342715

(71) Breville USA, Inc.  
(21) 2021203692 (22) 04.06.2021  
(54) Systems, articles and methods related to providing customized cooking instruction  
(62) 2015288164

(71) BRIEN HOLDEN VISION INSTITUTE  
(21) 2021203837 (22) 10.06.2021  
(54) LENS FOR MYOPIC EYE  
(62) 2019202732

(71) Brisa International LLC  
(21) 2021203736 (22) 07.06.2021  
(54) System and method for biomass growth and processing  
(62) 2016276960

(71) Britax Child Safety Inc  
(21) 2021203865 (22) 10.06.2021  
(54) CHILD SEAT WITH BELT TENSIONING MECHANISM FOR IMPROVED INSTALLATION  
(62) 2019202525

(71) Bry Air [Asia] Pvt. Ltd.  
(21) 2021203862 (22) 10.06.2021  
(54) SPLIT TYPE SORPTION AIR CONDITIONING UNIT  
(62) 2016205833

(71) BWXT ISOTOPE TECHNOLOGY GROUP, INC.  
(21) 2021203895 (22) 11.06.2021  
(54) Metal-molybdate and method for making the same  
(62) 2018224128

(71) Canva Pty Ltd  
(21) 2021203910 (22) 11.06.2021  
(54) Methods and systems for segmenting images

(71) CareFusion 303, Inc.  
(21) 2021203652 (22) 04.06.2021  
(54) Tamper-resistant cap  
(62) 2016297989

(71) CareFusion 303, Inc.  
(21) 2021203839 (22) 10.06.2021  
(54) Managing re-use of returned medications  
(62) 2020201040

(71) Cargill, Incorporated  
(21) 2021203844 (22) 10.06.2021

(54) STEVIOL GLYCOSIDE COMPOSITIONS FOR ORAL INGESTION OR USE  
(62) 2016364725

(71) Cellix Bio Private Limited  
(21) 2021203748 (22) 07.06.2021  
(54) Compositions and methods for the treatment of cancer  
(62) 2017286852

(71) Changzhou Lianli Automation Technology Co. Ltd.  
(21) 2021203532 (22) 31.05.2021  
(54) AN AUTOMATIC SPEED CONTROL METHOD FOR ARMOURED FACE CONVEYOR AND SHEARER WITHOUT COAL FLOW RATE SENSORS  
(31) 202010525091.6 (32) 10.06.20 (33) CN

(71) Children's Hospital & Research Center at Oakland  
(21) 2021203828 (22) 10.06.2021  
(54) Factor H binding protein variants and methods of use thereof  
(62) 2019264600

(71) China Coal Technology and Engineering Group Taiyuan Institute; Shanxi Tiandi Coal Mining Machinery Co., Ltd.  
(21) 2021203754 (22) 07.06.2021  
(54) DEVICE AND CALIBRATION METHOD FOR REDUCING NOx BY INTELLIGENT PRECISE CONTROL OF CYLINDER TEMPERATURE OF EXPLOSION-PROOF DIESEL ENGINE  
(31) 202010744688.X (32) 29.07.20 (33) CN

(71) Cipher Surgical Limited  
(21) 2021203866 (22) 10.06.2021  
(54) Channel device for a scope assembly  
(62) 2017299226

(71) Clinical Genomics Pty. Ltd.  
(21) 2021203906 (22) 11.06.2021  
(54) A method of screening for colorectal cancer  
(62) 2019201419

(71) Colin Christopher Beattie as the nominee of Note Graphic Partnership  
(21) 2021203811 (22) 09.06.2021  
(54) A THERMOPLASTIC WASHER AND ASSOCIATED METHOD OF FIXING COMBUSTIBLE MATERIALS TO A WALL OR CEILING  
(31) 2020901918 (32) 11.06.20 (33) AU

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2021203781 (22) 08.06.2021

Complete Applications Filed - Name Index cont'd

(54) Detection of viral infection  
(62) 2018250381

(71) Conlan, K.  
(21) 2021203678 (22) 04.06.2021  
(54) A SANITIZER APPARATUS  
(62) 2016257022

(71) ConMed Corporation  
(21) 2021203670 (22) 04.06.2021  
(54) Hybrid suture anchor  
(62) 2018316207

(71) Constance Therapeutics, Inc.  
(21) 2021203916 (22) 11.06.2021  
(54) Methods for preparation of cannabis oil  
extracts and compositions  
(62) 2016211314

(71) Copia Corporation Pty Ltd  
(21) 2021203878 (22) 10.06.2021  
(54) ANIMAL ENCLOSURE  
(31) 2020902904 (32) 14.08.20 (33) AU

(71) Cornell University  
(21) 2021203685 (22) 04.06.2021  
(54) Identifying status of male fertility by de-  
termining sperm capacitation  
(62) 2015317864

(71) Covidien LP  
(21) 2021203843 (22) 10.06.2021  
(54) Robotic surgical assemblies  
(62) 2017272085

(71) Covidien LP  
(21) 2021203936 (22) 15.06.2021  
(54) Cartridge alignment mechanism for use  
with surgical devices  
(31) 17/329,694 (32) 25.05.21 (33) US  
63/054,438 21.07.20 US

(71) Craig, W.; Pyett, K.  
(21) 2021203759 (22) 08.06.2021  
(54) A Turntable Trailer Pin Capture Device  
(62) 2016222366

(71) CytomX Therapeutics, Inc.  
(21) 2021203876 (22) 10.06.2021  
(54) Anti-CD3 antibodies, activatable anti-  
CD3 antibodies, multispecific anti-CD3  
antibodies, multispecific activatable  
anti-CD3 antibodies, and methods of  
using the same  
(62) 2015292406

(71) Daiichi Sankyo Company, Limited  
(21) 2021203889 (22) 11.06.2021  
(54) Novel method for producing anti-  
body-drug conjugate  
(62) 2018327170

(71) Deere & Company  
(21) 2021203841 (22) 10.06.2021  
(54) Spring-loaded guide to reduce variation  
in a volumetric meter  
(62) 2016219632

(71) Deere & Company  
(21) 2021203966 (22) 15.06.2021  
(54) Elevator paddle design to optimize  
sample bypass collection  
(62) 2016222356

(71) DEKA Products Limited Partnership  
(21) 2021203887 (22) 11.06.2021  
(54) Syringe pump having a pressure sensor  
assembly  
(62) 2019275634

Dew, D. see Automated Clinical  
Guidelines, LLC  
(21) 2021203679

Dew, D. see Automated Clinical  
Guidelines, LLC  
(21) 2021203679

Dew, D. see Automated Clinical  
Guidelines, LLC  
(21) 2021203679

(71) Dexcom, Inc.  
(21) 2021203654 (22) 04.06.2021  
(54) Transcutaneous analyte sensor sys-  
tems and methods  
(62) 2019261741

(71) DHK Storage, LLC  
(21) 2021203750 (22) 07.06.2021  
(54) Computer Server Heat Regulation Util-  
izing Integrated Precision Air Flow  
(62) 2017348339

(71) Dolby International AB  
(21) 2021203777 (22) 08.06.2021  
(54) Coding systems  
(62) 2020203130

(71) Dolby International AB  
(21) 2021203791 (22) 09.06.2021  
(54) Method and apparatus for compress-  
ing and decompressing a Higher Order  
Ambisonics signal representation  
(62) 2019201490

(71) dormakaba Deutschland GmbH  
(21) 2021203852 (22) 10.06.2021  
(54) Fire protection fastening device for  
fastening a door actuator  
(31) 20186680.3 (32) 20.07.20 (33) EP

(71) Dropbox, Inc.  
(21) 2021203706 (22) 07.06.2021  
(54) Updating a local tree for a client syn-  
chronization service  
(62) 2018395920

(71) Dropbox, Inc.  
(21) 2021203780 (22) 08.06.2021  
(54) Technologies for integrating cloud con-  
tent items across platforms  
(62) 2019375859

(71) Dynasty eSports Pte Ltd  
(21) 2021203795 (22) 09.06.2021  
(54) PAYMENT PROCESSING METHODS  
AND SYSTEMS FOR PEER-TO-PEER  
DIGITAL GAMING

(71) Electrolux Appliances Aktiebolag  
(21) 2021203897 (22) 11.06.2021  
(54) A LAUNDRY WASHING MACHINE  
(31) 20185373.6 (32) 10.07.20 (33) EP

(71) Eli Lilly and Company  
(21) 2021203847 (22) 10.06.2021  
(54) Medication Delivery Device With Sens-  
ing System  
(62) 2018321269

(71) Eli Lilly and Company  
(21) 2021203927 (22) 14.06.2021  
(54) Anti-N3pGlu Amyloid Beta Peptide Anti-  
bodies And Uses Thereof  
(62) 2018255221

(71) Eloxx Pharmaceuticals Ltd.  
(21) 2021203691 (22) 04.06.2021  
(54) Aminoglycoside derivatives and uses  
thereof in treating genetic disorders  
(62) 2016314379

(71) El-Shafei, A.  
(21) 2021203888 (22) 11.06.2021  
(54) Integrated journal bearing  
(62) 2017268318

(71) Emory University  
(21) 2021203840 (22) 10.06.2021  
(54) N4-hydroxycytidine and derivatives and  
anti-viral uses related thereto  
(62) 2015370004

(71) Endurant Systems, LLC  
(21) 2021203788 (22) 09.06.2021  
(54) UAV CONFIGURATIONS AND BAT-  
TERY AUGMENTATION FOR UAV IN-  
TERNAL COMBUSTION ENGINES,  
AND ASSOCIATED SYSTEMS AND  
METHODS  
(62) 2019201540

Complete Applications Filed - Name Index cont'd

**Engler, H. see Automated Clinical Guidelines, LLC**  
(21) 2021203679

(71) ethirajulu, d.  
(21) 2021203922 (22) 12.06.2021  
(54) Vertical Tilting Blade Turbine Windmill Device

(71) Evogene Ltd.  
(21) 2021203894 (22) 11.06.2021  
(54) Isolated polynucleotides and polypeptides, and methods of using same for increasing plant yield and/or agricultural characteristics  
(62) 2019200805

(71) Excitus AS  
(21) 2021203773 (22) 08.06.2021  
(54) ARRANGEMENTS AND METHODS FOR AVOIDING SPREADING OF INFECTIOUS AGENTS AND IMPROVING ELECTRIC SAFETY AND SUCTION PERFORMANCE OF A MEDICAL ASPIRATOR  
(62) 2015408663

(71) F. Hoffmann-La Roche AG  
(21) 2021203734 (22) 07.06.2021  
(54) 5-chloro-2-difluoromethoxyphenyl pyrazolopyrimidine compounds which are JAK inhibitors  
(62) 2019257450

(71) F. Hoffmann-La Roche AG  
(21) 2021203860 (22) 10.06.2021  
(54) Process for the preparation of 4-phenyl-5-alkoxycarbonyl-2-thiazol-2-yl-1,4-dihydropyrimidin-6-yl)methyl]-3-oxo-5,6,8,8a-tetrahydro-1H-imidazo[1,5-a]pyrazin-2-yl]-carboxylic acid  
(62) 2017219189

(71) FiberLean Technologies Limited  
(21) 2021203826 (22) 10.06.2021  
(54) Fibres comprising microfibrillated cellulose and methods of manufacturing fibres and nonwoven materials therefrom  
(62) 2019279967

(71) Firebrick Pharma Limited  
(21) 2021203846 (22) 10.06.2021  
(54) VIRUCIDAL FORMULATIONS CONTAINING POVIDONE-IODINE

(71) Fisher & Paykel Healthcare Limited  
(21) 2021203928 (22) 14.06.2021  
(54) Patient specific auto-flowrate control  
(62) 2015340118

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2021203674 (22) 04.06.2021  
(54) CONNECTIONS FOR HUMIDIFICATION SYSTEM  
(62) 2019203052

(71) Fraser, M.  
(21) 2021203740 (22) 07.06.2021  
(54) A collapsible chair  
(62) PCT/AU2019/051320

(71) Fraser, M.A.  
(21) 2021203907 (22) 11.06.2021  
(54) Modular wall system

(71) Freedom Solutions Group, LLC d/b/a Microsystems, Inc.  
(21) 2021203728 (22) 07.06.2021  
(54) USER INTERFACE OPERATION BASED ON TOKEN FREQUENCY OF USE IN TEXT  
(62) 2015213372

(71) Fung, J.  
(21) 2021203859 (22) 10.06.2021  
(54) Mesh reinforced dental restorations  
(62) 2021201201

(71) Futurecom Systems Group, ULC  
(21) 2021203774 (22) 08.06.2021  
(54) Reducing insertion loss in a switch for a communication device  
(31) 17/340,880 (32) 07.06.21 (33) US

(71) Garock Pty Ltd  
(21) 2021203871 (22) 10.06.2021  
(54) Rock Bolt  
(62) 2016204238

(71) Gasnier, M.  
(21) 2021203816 (22) 09.06.2021  
(54) Garments and method for playing sport  
(31) 2021901305 (32) 03.05.21 (33) AU

(71) GE Global Sourcing LLC  
(21) 2021203760 (22) 08.06.2021  
(54) ENERGY MANAGEMENT SYSTEM AND METHOD FOR VEHICLE SYSTEMS  
(62) 2019236700

(71) GENENTECH, INC.  
(21) 2021203918 (22) 11.06.2021  
(54) METHOD OF USING ANTI-CD79b IMMUNOCONJUGATES  
(62) 2015320678

(71) Glory Ltd.  
(21) 2021203802 (22) 09.06.2021

(54) Money handling apparatus, money handling system and money handling method  
(31) 2020-102512 (32) 12.06.20 (33) JP

(71) Glory Ltd.  
(21) 2021203813 (22) 09.06.2021  
(54) Money handling apparatus and money handling method  
(31) 2020-102513 (32) 12.06.20 (33) JP

(71) GLOVER, M.; JENNINGS, Z.  
(21) 2021203929 (22) 14.06.2021  
(54) SOLAR PANEL LIFTER AND METHOD FOR LIFTING SOLAR PANELS

(71) Goldman Sachs & Co. LLC  
(21) 2021203926 (22) 14.06.2021  
(54) GENERAL-PURPOSE PARALLEL COMPUTING ARCHITECTURE  
(62) 2018248439

(71) Google LLC  
(21) 2021203758 (22) 07.06.2021  
(54) TAILORING AN INTERACTIVE DIALOG APPLICATION BASED ON CREATOR PROVIDED CONTENT  
(62) 2018345706

(71) Grannus, LLC  
(21) 2021203730 (22) 07.06.2021  
(54) POLYGENERATION PRODUCTION OF HYDROGEN FOR USE IN VARIOUS INDUSTRIAL PROCESSES  
(62) 2016365408

(71) Guangdong OPPO Mobile Telecommunications Corp., Ltd.  
(21) 2021203830 (22) 10.06.2021  
(54) Wireless charging device and method, and device to be charged  
(62) 2018247552

(71) Guo, Y.  
(21) 2021203702 (22) 05.06.2021  
(54) A Method and A Device for Building Positioning and Identifying Based on An Intelligent Terminal

(71) GyroGear Limited  
(21) 2021203420 (22) 25.05.2021  
(54) TREMOR STABILISATION APPARATUS AND METHODS  
(62) 2015370672

(71) Haddy, A.  
(21) 2021203522 (22) 31.05.2021  
(54) AUGMENTED REALITY SYSTEM FOR ELECTROMAGNETIC BURIED ASSET LOCATION  
(62) 2019208205

Complete Applications Filed - Name Index cont'd

**Halpern, S. see Automated Clinical Guidelines, LLC**  
**(21)** 2021203679

**(71)** Heraeus Medical GmbH  
**(21)** 2021203823 **(22)** 10.06.2021  
**(54)** Device and method for producing spacers  
**(31)** 20186551.6 **(32)** 17.07.20 **(33)** EP

**(71)** Highlife SAS  
**(21)** 2021203899 **(22)** 11.06.2021  
**(54)** TRANSCATHETER VALVE PROSTHESIS AND METHOD FOR IMPLANTING THE SAME  
**(31)** 63/044,534 **(32)** 26.06.20 **(33)** US

**(71)** HONEYWELL INTERNATIONAL INC.  
**(21)** 2021203680 **(22)** 04.06.2021  
**(54)** CONFIGURATION OF DEVICES FOR BUSINESS MANAGEMENT SYSTEMS  
**(31)** 202011026338 **(32)** 22.06.20 **(33)** IN

**(71)** HONEYWELL INTERNATIONAL INC.  
**(21)** 2021203798 **(22)** 09.06.2021  
**(54)** APPLICATION WITH FLEXIBLE CONTROL LOOPS FOR PROGRAMMING A BUILDING CONTROLLER  
**(31)** 202011026340 **(32)** 22.06.20 **(33)** IN

**(71)** HONEYWELL INTERNATIONAL INC.  
**(21)** 2021203799 **(22)** 09.06.2021  
**(54)** OPERATOR CONSOLE WITH DYNAMIC FUTURE REPRESENTATIONS FOR PROCESSING EQUIPMENT  
**(31)** 63/039134 **(32)** 15.06.20 **(33)** US  
 17/339182 04.06.21 US

**(71)** HONEYWELL INTERNATIONAL INC.  
**(21)** 2021204170 **(22)** 21.06.2021  
**(54)** PLATFORM AGNOSTIC SYSTEMS AND METHODS FOR BUILDING MANAGEMENT SYSTEMS  
**(31)** 63/039,366 **(32)** 15.06.20 **(33)** US  
 63/044,885 26.06.20 US  
 17/345,908 11.06.21 US

**(71)** Horizon Quantum Computing PTE. LTD.  
**(21)** 2021203658 **(22)** 04.06.2021  
**(54)** SYSTEMS AND METHODS FOR UNIFIED COMPUTING ON DIGITAL AND QUANTUM COMPUTERS

**(71)** Huawei Technologies Co., Ltd.  
**(21)** 2021203842 **(22)** 10.06.2021  
**(54)** DISPLAY METHOD AND DEVICE  
**(62)** 2017417613

**(71)** Huawei Technologies Co., Ltd.; University of Science and Technology of China  
**(21)** 2021203875 **(22)** 10.06.2021  
**(54)** Image prediction method and device  
**(62)** 2019229381

**(71)** HWANG, Y.  
**(21)** 2021203800 **(22)** 09.06.2021  
**(54)** Air conditioner having variable air volume control device  
**(62)** 2016209752

**(71)** Illinois Tool Works Inc.  
**(21)** 2021203845 **(22)** 10.06.2021  
**(54)** Rebate formwork system for slip form casting  
**(62)** 2019201933

**(71)** Illumina, Inc.; Illumina Cambridge Limited  
**(21)** 2021203672 **(22)** 04.06.2021  
**(54)** Flow Cells  
**(62)** 2019275675

**(71)** Illumina, Inc.  
**(21)** 2021203805 **(22)** 09.06.2021  
**(54)** Field effect sensors  
**(62)** 2018310436

**(71)** Illumina, Inc.  
**(21)** 2021203819 **(22)** 09.06.2021  
**(54)** Illumination for fluorescence imaging using objective lens  
**(62)** 2019242031

**(71)** Illumina, Inc.  
**(21)** 2021203877 **(22)** 10.06.2021  
**(54)** Methods and Compositions for DNA Profiling  
**(62)** 2015219289

**(71)** Illumina, Inc.; Illumina Cambridge Limited  
**(21)** 2021203934 **(22)** 14.06.2021  
**(54)** Compositions And Methods For Chemical Cleavage And Deprotection Of Surface-Bound Oligonucleotides  
**(62)** 2019271121

**Illumina Cambridge Limited see Illumina, Inc.**  
**(21)** 2021203672

**Illumina Cambridge Limited see Illumina, Inc.**  
**(21)** 2021203934

**(71)** I-Mab Biopharma US Limited  
**(21)** 2021203783 **(22)** 08.06.2021

**(54)** Novel CD47 Monoclonal Antibodies and Uses Thereof  
**(62)** 2019222870

**(71)** IMASCAP  
**(21)** 2021203700 **(22)** 04.06.2021  
**(54)** Methods, systems and devices for pre-operatively planned shoulder surgery guides and implants  
**(62)** 2019236759

**(71)** Inguran, LLC  
**(21)** 2021203880 **(22)** 11.06.2021  
**(54)** METHOD AND SYSTEM INCORPORATING BEAM SHAPING OPTICS AND BEAM STABILIZATION  
**(62)** 2018302191

**(71)** Innate Pharma  
**(21)** 2021203744 **(22)** 07.06.2021  
**(54)** Treatment regimens using anti-NKG2A antibodies  
**(62)** 2015316993

**(71)** Integrated Shoulder Collaboration, Inc.  
**(21)** 2021203886 **(22)** 11.06.2021  
**(54)** Shoulder arthroplasty implant system  
**(31)** 16/908,601 **(32)** 22.06.20 **(33)** US

**(71)** Intellijoint Surgical Inc.  
**(21)** 2021203699 **(22)** 04.06.2021  
**(54)** Systems, methods and devices for anatomical registration and surgical localization  
**(62)** 2019250135

**(71)** InterDigital Patent Holdings, Inc.  
**(21)** 2021203861 **(22)** 10.06.2021  
**(54)** Waveform coding with modulation for single-user and multiple-user transmissions  
**(62)** 2018261601

**(71)** Intersurgical AG  
**(21)** 2021203739 **(22)** 07.06.2021  
**(54)** Video Laryngoscopes  
**(62)** 2016262815

**(71)** Intervet International B.V.  
**(21)** 2021203686 **(22)** 04.06.2021  
**(54)** Use of isoxazoline compounds for treating demodicosis  
**(62)** 2015371175

**(71)** Intrexon Corporation  
**(21)** 2021203961 **(22)** 15.06.2021  
**(54)** Vectors conditionally expressing therapeutic proteins, host cells comprising the vectors, and uses thereof  
**(62)** 2018236775

Complete Applications Filed - Name Index cont'd

(71) iSOL8 Pty Ltd  
(21) 2021203854 (22) 10.06.2021  
(54) Method and System for Isolation Management  
(62) 2019280060

**Ithaca College see The J. David Gladstone Institutes**  
(21) 2021203726

(71) Itron Global SARL  
(21) 2021203898 (22) 11.06.2021  
(54) Use of different data rates for polling in a multi-rate network  
(31) 16/909354 (32) 23.06.20 (33) US

**JENNINGS, Z. see GLOVER, M.**  
(21) 2021203929

(71) K. Hartwall Oy Ab  
(21) 2021203657 (22) 04.06.2021  
(54) Roll container and logistics system comprising the same  
(31) 20205647 (32) 18.06.20 (33) FI

(71) Kellogg Company  
(21) 2021203835 (22) 10.06.2021  
(54) Cooked food product having reduced acrylamide level  
(62) 2017311199

(71) Kymab Limited  
(21) 2021203905 (22) 11.06.2021  
(54) Fertile transgenic animals useful for producing antibodies bearing human variable regions  
(62) 2018217308

(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
(21) 2021203902 (22) 11.06.2021  
(54) METHOD FOR FILLING A TANK WITH LIQUEFIED GAS  
(31) 2007658 (32) 21.07.20 (33) FR

(71) LG Electronics Inc.  
(21) 2021203694 (22) 04.06.2021  
(54) Laundry handling apparatus  
(62) 2018271740

(71) LG Electronics Inc.  
(21) 2021203933 (22) 14.06.2021  
(54) REFRIGERATOR  
(31) 10-2020-0073926 (32) 17.06.20 (33) KR

(71) LOGINED B.V  
(21) 2021203693 (22) 04.06.2021  
(54) Multiphase flow simulator sub-modeling  
(62) 2019203614

(71) Lowrie, H.  
(21) 2021203502 (22) 28.05.2021  
(54) Supporting formwork

(71) Lyra Therapeutics, Inc.  
(21) 2021203743 (22) 07.06.2021  
(54) Implantable scaffolds for treatment of sinusitis  
(62) 2018255421

(71) Lyster, J.  
(21) 2021203696 (22) 04.06.2021  
(54) Monitoring Device  
(62) PCT/AU2019/051216

(71) Lyteloop Technologies, LLC  
(21) 2021203687 (22) 04.06.2021  
(54) System and method for extending path length of a wave signal using angle multiplexing  
(62) 2019316574

(71) M&R Printing Equipment, Inc.  
(21) 2021203885 (22) 11.06.2021  
(54) Hybrid silk screen and direct-to-garment printing machine and process  
(62) 2020203369

(71) Maders, J.  
(21) 2021203689 (22) 04.06.2021  
(54) A controlled mobile workshop  
(31) 2020901838 (32) 04.06.20 (33) AU

(71) Mainey, R.  
(21) 2021203697 (22) 04.06.2021  
(54) LIGHTWEIGHT INTERLOCKING CONSTRUCTION BLOCK  
(31) 2020901860 (32) 05.06.20 (33) AU

(71) MAKO Surgical Corp.  
(21) 2021203849 (22) 10.06.2021  
(54) Systems and methods for preparing a proximal tibia  
(62) 2019275574

(71) MARKETSPRINGPAD IP USA LLC  
(21) 2021203668 (22) 04.06.2021  
(54) METHODS AND SYSTEMS FOR INTERACTIVE DATA MANAGEMENT  
(31) 16/893,957 (32) 05.06.20 (33) US

(71) Mars, Incorporated  
(21) 2021203671 (22) 04.06.2021  
(54) Food product for reducing muscle breakdown and methods thereof  
(62) 2016370867

**Massachusetts Institute of Technology see The Broad Institute, Inc.**

(21) 2021203747

(71) McElroy Manufacturing Inc.  
(21) 2021203882 (22) 11.06.2021  
(54) Top-Loading Straddle-Mounted Pipe Fusion Machine  
(62) 2019201312

(71) Memorial Sloan Kettering Cancer Center  
(21) 2021203883 (22) 11.06.2021  
(54) PHENYLSULFONAMIDO-BENZOFURAN DERIVATIVES AND USES THEREOF IN THE TREATMENT OF PROLIFERATIVE DISEASES  
(62) 2016306694

(71) Miles, S.  
(21) 2021203960 (22) 15.06.2021  
(54) APPARATUS FOR STORING OR MOVING ONE OR MORE ITEMS  
(31) 2020902327 (32) 07.07.20 (33) AU

(71) Miller, M.J.; Moraski, G.  
(21) 2021203931 (22) 14.06.2021  
(54) Benzyl Amine-Containing Heterocyclic Compounds And Compositions Useful Against Mycobacterial Infection  
(62) 2016324598

**Moraski, G. see Miller, M.J.**  
(21) 2021203931

**Murphy, W. see Murphy, S.**  
(21) 2021203649

(71) Murphy, S.; Murphy, W.  
(21) 2021203649 (22) 04.06.2021  
(54) METHOD AND APPARATUS FOR PERFORMING ANTERIOR HIP SURGERY  
(62) 2019226214

(71) NATIONAL CHENG KUNG UNIVERSITY  
(21) 2021203775 (22) 08.06.2021  
(54) WEARABLE INTERFACE FOR INTEL-LIGENT HEALTH PROMOTION SERVICE SYSTEM  
(31) 63/036,969 (32) 09.06.20 (33) US

(71) National Nail Corp.  
(21) 2021203822 (22) 10.06.2021  
(54) HIDDEN FASTENER UNIT AND RELATED METHOD OF USE  
(62) 2018317991

(71) National University of Ireland, Galway  
(21) 2021203874 (22) 10.06.2021  
(54) Treatment of Microbial Infections  
(62) 2019202045

Complete Applications Filed - Name Index cont'd

(71) Navigate Cardiac Structures, Inc.  
 (21) 2021203793 (22) 09.06.2021  
 (54) CATHETER-GUIDED REPLACEMENT VALVES APPARATUS AND METHODS  
 (62) 2019257389

(71) Nicoventures Trading Limited  
 (21) 2021203855 (22) 10.06.2021  
 (54) Article for use with apparatus for heating smokable material  
 (62) 2019201797

(71) Ningbo Sanhan Alloy Material Co., Ltd.; Qingdao University of Technology  
 (21) 2021203769 (22) 08.06.2021  
 (54) Automatic unstacking-stacking loading and unloading intelligent self-detection production line for machining turning tool bit mold cavity  
 (31) 2020108376564 (32) 19.08.20 (33) CN

(71) Noble Healthcare Group Pty Ltd  
 (21) 2021203873 (22) 10.06.2021  
 (54) A SYSTEM AND METHOD FOR ASSISTING CONCEPTION  
 (62) 2019246816

(71) NORITZ CORPORATION  
 (21) 2021203683 (22) 04.06.2021  
 (54) HOT-WATER SUPPLY APPARATUS AND HOT-WATER SUPPLY SYSTEM  
 (31) 2020-110485 (32) 26.06.20 (33) JP

(71) Novartis AG; The Trustees of the University of Pennsylvania  
 (21) 2021203790 (22) 09.06.2021  
 (54) Targeting cytotoxic cells with chimeric receptors for adoptive immunotherapy  
 (62) 2015317608

(71) NuVasive, Inc.  
 (21) 2021203764 (22) 08.06.2021  
 (54) SYSTEMS AND METHODS FOR PERFORMING NEUROPHYSIOLOGIC MONITORING DURING SPINE SURGERY  
 (62) 2019250269

(71) NuVasive, Inc.  
 (21) 2021203958 (22) 15.06.2021  
 (54) SURGICAL SPINAL CORRECTION  
 (62) 2019203719

(71) Ocado Innovation Limited  
 (21) 2021203812 (22) 09.06.2021  
 (54) A controller and method for transporting devices  
 (62) 2019207581

(71) OntheMuV, Inc.  
 (21) 2021203663 (22) 04.06.2021  
 (54) Seated treadmill and method of use  
 (62) 2017382788

(71) Orison Inc.  
 (21) 2021203881 (22) 11.06.2021  
 (54) BUILDING MANAGEMENT AND APPLIANCE CONTROL SYSTEM  
 (62) 2019201205

(71) Oskar Frech GmbH + Co. KG  
 (21) 2021203959 (22) 15.06.2021  
 (54) Die-casting machine and operating method  
 (31) 102020207704.5 (32) 22.06.20 (33) DE  
 20210020.2 26.11.20 EA

**Pfizer Inc. see Sanford-Burnham Medical Research Institute**  
 (21) 2021203768

(71) PhysIQ Inc.  
 (21) 2021203784 (22) 08.06.2021  
 (54) Multivariate residual-based health index for human health monitoring  
 (62) 2020213311

(71) PHYTOPLANT RESEARCH S.L  
 (21) 2021203749 (22) 07.06.2021  
 (54) METHODS OF PURIFYING CAN-NABINOIDS, COMPOSITIONS AND KITS THEREOF  
 (62) 2016210070

(71) Planet A Energy, Inc.  
 (21) 2021203917 (22) 11.06.2021  
 (54) Detector and tracker  
 (31) 63/039,284 (32) 15.06.20 (33) US

(71) Please Hold (UK) Limited  
 (21) 2021203900 (22) 11.06.2021  
 (54) AUDIO SIGNAL  
 (62) 2018351031

**President and Fellows of Harvard College see The Broad Institute, Inc.**  
 (21) 2021203747

(71) Provista Diagnostics, Inc.  
 (21) 2021203920 (22) 11.06.2021  
 (54) Biomarkers for detection of breast cancer  
 (62) 2015311679

(71) Pulmonx Corporation  
 (21) 2021203913 (22) 11.06.2021  
 (54) Methods, systems, and devices for analyzing lung imaging data  
 (62) 2017213639

(71) Puzhen Life Co., Limited  
 (21) 2021203727 (22) 07.06.2021  
 (54) MULTI-OIL DIFFUSER  
 (31) 16/895,611 (32) 08.06.20 (33) US

(71) Puzhen Life Co., Limited  
 (21) 2021203729 (22) 07.06.2021  
 (54) ESSENTIAL OIL ATOMIZER  
 (31) 16/895,967 (32) 08.06.20 (33) US

**Pyett, K. see Craig, W.**  
 (21) 2021203759

(71) QIAGEN Australia Holding Pty. Ltd.  
 (21) 2021203796 (22) 09.06.2021  
 (54) Use of amino acid sequences from Mycobacterium tuberculosis or corresponding nucleic acids thereof for diagnosis and prevention of tubercular infection, diagnostic kit and vaccine therefrom  
 (62) 2019202245

(71) Qingdao University of Technology; Shenyang Hongyang Precision Ceramics Co.,Ltd.  
 (21) 2021203765 (22) 08.06.2021  
 (54) Automatic hot die casting device having multiple working positions and working method  
 (31) 2020106316662 (32) 03.07.20 (33) CN

(71) Qingdao University of Technology  
 (21) 2021203766 (22) 08.06.2021  
 (54) Hydrodynamic water blocking device for underground garage and method  
 (31) 2021102107535 (32) 25.02.21 (33) CN

**Qingdao University of Technology see Ningbo Sanhan Alloy Material Co., Ltd.**  
 (21) 2021203769

(71) Qualcomm Incorporated  
 (21) 2021203676 (22) 04.06.2021  
 (54) TECHNIQUES FOR SCALING BANDWIDTH OF AN UNLICENSED RADIO FREQUENCY SPECTRUM BAND  
 (62) 2019236739

(71) Race Oncology Ltd.  
 (21) 2021203863 (22) 10.06.2021  
 (54) Combinatorial methods to improve the therapeutic benefit of bisantrene  
 (62) 2019272044

(71) Rapid Spray Pty Ltd  
 (21) 2021203664 (22) 04.06.2021  
 (54) Chemical Handling System  
 (31) 2020901853 (32) 05.06.20 (33) AU

Complete Applications Filed - Name Index cont'd

<p>(71) Revision Military Soldier Power, LLC (21) 2021203445 (22) 26.05.2021 (54) Power manager with reconfigurable power converting circuits (62) 2016355125</p>	<p><b>Shenyang Hongyang Precision Ceramics Co.,Ltd. see Qingdao University of Technology</b> (21) 2021203765</p>	<p>(54) SUBMICRON PARTICLE REMOVAL FROM GAS STREAMS (62) 2019210517</p>
<p>(71) Rhodia Operations; Adama Makhteshim Ltd. (21) 2021203824 (22) 10.06.2021 (54) Polyelectrolyte-layer forming block copolymers and compositions and used thereof (62) 2016367260</p>	<p>(71) Skydex Technologies, Inc. (21) 2021203666 (22) 04.06.2021 (54) PRESSURE DISTRIBUTING ALIGNED ARRAYS OF CUSHIONING VOID CELLS (62) 2016291232</p>	<p><b>Steward, D. see Automated Clinical Guidelines, LLC</b> (21) 2021203679</p>
<p>(71) Rocla Pty Limited (21) 2021203857 (22) 10.06.2021 (54) STRENGTHENING SYSTEM FOR A POLE</p>	<p>(71) Slip IP Holdings Pty Ltd. (21) 2021203718 (22) 07.06.2021 (54) Face covering (31) 17/154,456 (32) 21.01.21 (33) US</p>	<p>(71) Stonelake Pty. Ltd. (21) 2021203737 (22) 07.06.2021 (54) An elongate structural element, a bracket and an elongate structural section (62) 2016228934</p>
<p>(71) Rowse, B. (21) 2021203785 (22) 08.06.2021 (54) Fluid resistant textile seams</p>	<p><b>Smajic, S. see Smajic, S.</b> (21) 2021203681</p>	<p><b>Stratton, S. see Automated Clinical Guidelines, LLC</b> (21) 2021203679</p>
<p>(71) RTC Industries, Inc. (21) 2021203763 (22) 08.06.2021 (54) Product management display system with trackless pusher mechanism (62) 2018285708</p>	<p>(71) Smajic, S.; Smajic, S. (21) 2021203681 (22) 04.06.2021 (54) A building fire protection system (31) 2020904071 (32) 20.11.20 (33) AU</p>	<p>(71) Synagile Corporation (21) 2021203809 (22) 09.06.2021 (54) Pharmaceutical suspensions containing drug particles, devices for their administration, and methods of their use (62) 2016258179</p>
<p>(71) Sanford-Burnham Medical Research Institute; Pfizer Inc. (21) 2021203768 (22) 08.06.2021 (54) BTLA fusion protein agonists and uses thereof (62) 2016286108</p>	<p>(71) Soligenix, Inc. (21) 2021203704 (22) 07.06.2021 (54) SYSTEMS AND METHODS FOR PRODUCING SYNTHETIC HYPERICIN (62) 2016396033</p>	<p>(71) Syros Pharmaceuticals, Inc. (21) 2021203752 (22) 07.06.2021 (54) High surface-area lyophilized compositions comprising arsenic for oral administration in patients (62) 2016211186</p>
<p>(71) School Safe Pty Limited (21) 2021203753 (22) 07.06.2021 (54) Tracking system</p>	<p>(71) SomniFix International LLC (21) 2021203667 (22) 04.06.2021 (54) A SYSTEM FOR SLEEP-DISORDERED BREATHING TREATMENT AND METHODS OF USING THE SAME (62) 2018225735</p>	<p>(71) Taizhou Huali Plastic Co., Ltd. (21) 2021203733 (22) 07.06.2021 (54) PVC board and method of manufacture (62) 2017412552</p>
<p>(71) Seattle Children's Hospital (dba Seattle Children's Research Institute) (21) 2021203655 (22) 04.06.2021 (54) Long poly (A) plasmids and methods for introduction of long poly (A) sequences into the plasmid (62) 2015330775</p>	<p>(71) Sony Corporation (21) 2021203892 (22) 11.06.2021 (54) Information processing device, information processing method, program, and observation system (62) 2018245337</p>	<p>(71) Technological Resources Pty Ltd (21) 2021203890 (22) 11.06.2021 (54) A system for, and a method of, controlling operation of a vehicle in a defined area (62) 2019253769</p>
<p>(71) See-Out Pty Ltd. (21) 2021203831 (22) 10.06.2021 (54) Image classification and labeling (62) 2017214619</p>	<p>(71) Soodin, D. (21) 2021203911 (22) 11.06.2021 (54) Surgical device (31) 2020901993 (32) 16.06.20 (33) AU 2020902182 29.06.20 AU</p>	<p>(71) Teleflex Medical Incorporated (21) 2021203827 (22) 10.06.2021 (54) SURGICAL CLIP (62) 2018369752</p>
<p><b>Shanxi Tiandi Coal Mining Machinery Co., Ltd. see China Coal Technology and Engineering Group Taiyuan Institute</b> (21) 2021203754</p>	<p>(71) Spin Master, Inc. (21) 2021203682 (22) 04.06.2021 (54) Inflatable object and valve therefor (31) 63/034,855 (32) 04.06.20 (33) US</p>	<p>(71) Telefonaktiebolaget LM Ericsson (publ) (21) 2021203810 (22) 09.06.2021 (54) Multistage doherty power amplifier and transmitter (62) 2017423697</p>
<p>(71) Stamicarbon B.V. (21) 2021203662 (22) 04.06.2021</p>	<p>(71) Telstra Corporation (21) 2021203896 (22) 11.06.2021 (54) Resource management in telecommunications networks (62) 2016256738</p>	<p>(71) Telstra Corporation (21) 2021203896 (22) 11.06.2021 (54) Resource management in telecommunications networks (62) 2016256738</p>

Complete Applications Filed - Name Index cont'd

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**Texas Heart Institute see Baylor College of Medicine**

(21) 2021203956

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(71) The Board of Regents of the University of Texas System

(21) 2021203935 (22) 14.06.2021

(54) LIPOCATIONIC POLYMERS AND USES THEREOF

(62) 2015360794

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(71) The Boeing Company

(21) 2021203731 (22) 07.06.2021

(54) Composite doors and methods of forming thereof

(31) 16/898,269 (32) 10.06.20 (33) US

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(71) The Boeing Company

(21) 2021203834 (22) 10.06.2021

(54) Monument having attachment system with corner bracket fitting

(31) 16/900460 (32) 12.06.20 (33) US

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(71) The Boeing Company

(21) 2021203858 (22) 10.06.2021

(54) Automated prediction of repair based on sensor data

(31) 63/072,292 (32) 31.08.20 (33) US

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(71) The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College

(21) 2021203747 (22) 07.06.2021

(54) Novel Type VI CRISPR orthologs and systems

(62) 2018271372

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(71) The Coca-Cola Company

(21) 2021203660 (22) 04.06.2021

(54) BIO-BASED POLYETHYLENE TEREPHTHALATE PACKAGING AND METHOD OF MAKING THEREOF

(62) 2018282377

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(71) The Coca-Cola Company

(21) 2021203661 (22) 04.06.2021

(54) BIO-BASED POLYETHYLENE TEREPHTHALATE POLYMER AND METHOD OF MAKING THE SAME

(62) 2018282376

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(71) The General Hospital Corporation

(21) 2021203820 (22) 09.06.2021

(54) Methods for increasing efficiency of nuclease-induced homology-directed repair

(62) 2015324935

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(71) The Hilliard Corporation

(21) 2021203825 (22) 10.06.2021

(54) Output hub supports for a bi-directional overrunning clutch differential

(31) 63/042,746 (32) 23.06.20 (33) US

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(71) The J. David Gladstone Institutes; The Regents of the University of California; Ithaca College

(21) 2021203726 (22) 07.06.2021

(54) MEDIUM CHAIN FATTY ACID ESTERS OF BETA-HYDROXYBUTYRATE AND BUTANEDIOL AND COMPOSITIONS AND METHODS FOR USING SAME

(62) 2017278099

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**The Regents of the University of California see The J. David Gladstone Institutes**

(21) 2021203726

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(71) The Regents of the University of California

(21) 2021203755 (22) 07.06.2021

(54) TUMOR SELECTIVE MACROPINOCYTOSIS-DEPENDENT RAPIDLY INTERNALIZING ANTIBODIES

(62) 2015287749

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(71) The Regents of the University of California

(21) 2021203770 (22) 08.06.2021

(54) Microbial consortium and uses thereof

(62) 2017228502

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(71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

(21) 2021203794 (22) 09.06.2021

(54) Nitroxide containing amyloid binding agents for imaging and therapeutic uses

(62) 2016308189

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(71) The trustee for Orion Australia Unit Trust

(21) 2021203536 (22) 31.05.2021

(54) ANIMAL FEEDER

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(71) The Trustees of Columbia University in the City of New York

(21) 2021203801 (22) 09.06.2021

(54) ALDOSE REDUCTASE INHIBITORS AND METHODS OF USE THEREOF

(62) 2017281082

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**The Trustees of the University of Pennsylvania see Novartis AG**

(21) 2021203790

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

(21) 2021203746 (22) 07.06.2021

(54) T cell receptors recognizing MHC class II-restricted MAGE-A3

(62) 2019213329

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(71) The University of North Carolina at Chapel Hill

(21) 2021203779 (22) 08.06.2021

(54) Modified capsid proteins for enhanced delivery of parvovirus vectors

(62) 2016371779

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(71) Todd, R.

(21) 2021203853 (22) 10.06.2021

(54) Flexible security system for cash-in-transit

(62) 2015359143

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(71) Transportation IP Holdings, LLC

(21) 2021203703 (22) 07.06.2021

(54) VIDEO SYSTEM AND METHOD FOR DATA COMMUNICATION

(62) 2019205977

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(71) Turner Jr., E.

(21) 2021203904 (22) 11.06.2021

(54) All-terrain platform dolly

(62) 2018434893

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(71) TuSimple, Inc.

(21) 2021203762 (22) 08.06.2021

(54) Redundant hardware and software architecture for autonomous vehicles

(31) 16/910,012 (32) 23.06.20 (33) US

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**University of Science and Technology of China see Huawei Technologies Co., Ltd.**

(21) 2021203875

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(71) Vanda Pharmaceuticals Inc.

(21) 2021203925 (22) 14.06.2021

(54) TREATMENT OF CIRCADIAN RHYTHM DISORDERS

(62) 2019219847

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(71) Veedol Lubricants Pty Ltd

(21) 2021203909 (22) 11.06.2021

(54) Release agent composition

(62) 2017246238

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(71) Vermeer Manufacturing Company

(21) 2021203940 (22) 15.06.2021

(54) Vacuum excavator tank and door system

(31) 63/040,394 (32) 17.06.20 (33) US

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(71) Vertex Pharmaceuticals (Europe) Limited

(21) 2021203786 (22) 08.06.2021

(54) Deuterated derivatives of ivacaftor

(62) 2019222862



Complete Applications Filed - Name Index cont'd

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(71) Visa International Service Association  
 (21) 2021203815 (22) 09.06.2021  
 (54) METHODS FOR SECURE CRYPTOGRAM GENERATION  
 (62) 2019240671

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(71) W.L. Gore & Associates, Inc.  
 (21) 2021203915 (22) 11.06.2021  
 (54) Two-part implantable therapy delivery device  
 (62) 2017359157

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(71) W. L. Gore & Associates, Inc.  
 (21) 2021203695 (22) 04.06.2021  
 (54) Integrated aqueous shunt for glaucoma treatment  
 (62) 2018236437

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(71) Warsaw Orthopedic, Inc.  
 (21) 2021203919 (22) 11.06.2021  
 (54) Implants having a drug load of an oxysterol and methods of use  
 (62) 2016347052

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(71) WATER CHALLENGE, S.L.  
 (21) 2021203924 (22) 13.06.2021  
 (54) EQUIPMENT AND PROCEDURE FOR THE EXTRACTION OF SOLIDS FROM CONTAMINATED FLUIDS  
 (31) P202130426 (32) 11.05.21 (33) ES

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(71) Wavetrain Acoustics Pty Ltd  
 (21) 2021203930 (22) 14.06.2021  
 (54) Vertical plate amplifier enclosure for multiple amplifiers

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(71) Waymo LLC  
 (21) 2021203701 (22) 04.06.2021  
 (54) RECOGNIZING ASSIGNED PASSENGERS FOR AUTONOMOUS VEHICLES  
 (62) 2018318833

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(71) Wellhead Power Solutions, LLC  
 (21) 2021203829 (22) 10.06.2021  
 (54) Hybrid energy system and method  
 (62) 2019203482

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(71) Wilson, W.  
 (21) 2021203923 (22) 13.06.2021  
 (54) TEMPORARY MARKER FOR UNDERGROUND SERVICES

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(71) Wing Aviation LLC  
 (21) 2021203884 (22) 11.06.2021  
 (54) System for mid-air payload retrieval by a UAV  
 (62) 2019220713

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(71) Xenon Pharmaceuticals Inc.  
 (21) 2021203771 (22) 08.06.2021  
 (54) Benzenesulfonamide compounds and their use as therapeutic agents  
 (62) 2017268006

---

(71) XL Hybrids  
 (21) 2021203772 (22) 08.06.2021  
 (54) DYNAMIC VEHICLE COMPONENT DATA APPARATUSES, SYSTEMS, AND METHODS  
 (31) 16/897,416 (32) 10.06.20 (33) US

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(71) Yueqing Zhishun Electric Co., Ltd.  
 (21) 2021203848 (22) 10.06.2021  
 (54) A RESIDUAL CURRENT CIRCUIT BREAKER  
 (31) 202021091716.4 (32) 12.06.20 (33) CN

Numerical Index

<b>2021203420</b>	GyroGear Limited	<b>2021203729</b>	Puzhen Life Co., Limited
<b>2021203445</b>	Revision Military Soldier Power, LLC	<b>2021203730</b>	Grannus, LLC
<b>2021203451</b>	Austin Star Detonator Company	<b>2021203731</b>	The Boeing Company
<b>2021203502</b>	Lowrie, H.	<b>2021203733</b>	Taizhou Huali Plastic Co., Ltd.
<b>2021203522</b>	Haddy, A.	<b>2021203734</b>	F. Hoffmann-La Roche AG
<b>2021203532</b>	Changzhou Lianli Automation Technology Co. Ltd.	<b>2021203736</b>	Brisa International LLC
<b>2021203536</b>	The trustee for Orion Australia Unit Trust	<b>2021203737</b>	Stonelake Pty. Ltd.
<b>2021203649</b>	Murphy, S.; Murphy, W.	<b>2021203738</b>	Apple Inc.
<b>2021203652</b>	CareFusion 303, Inc.	<b>2021203739</b>	Intersurgical AG
<b>2021203653</b>	Acutus Medical, Inc.	<b>2021203740</b>	Fraser, M.
<b>2021203654</b>	Dexcom, Inc.	<b>2021203741</b>	Bellicum Pharmaceuticals, Inc.
<b>2021203655</b>	Seattle Children's Hospital (dba Seattle Children's Research Institute)	<b>2021203743</b>	Lyra Therapeutics, Inc.
<b>2021203656</b>	BMC Software, Inc.	<b>2021203744</b>	Innate Pharma
<b>2021203657</b>	K. Hartwall Oy Ab	<b>2021203746</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2021203658</b>	Horizon Quantum Computing PTE. LTD.	<b>2021203747</b>	The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College
<b>2021203659</b>	BALLANCE AGRI-NUTRIENTS LIMITED	<b>2021203748</b>	Cellix Bio Private Limited
<b>2021203660</b>	The Coca-Cola Company	<b>2021203749</b>	PHYTOPLANT RESEARCH S.L
<b>2021203661</b>	The Coca-Cola Company	<b>2021203750</b>	DHK Storage, LLC
<b>2021203662</b>	Stamicarbon B.V.	<b>2021203751</b>	A-SHA REPUBLIC INC.
<b>2021203663</b>	OntheMuV, Inc.	<b>2021203752</b>	Syros Pharmaceuticals, Inc.
<b>2021203664</b>	Rapid Spray Pty Ltd	<b>2021203753</b>	School Safe Pty Limited
<b>2021203665</b>	Allergan, Inc.	<b>2021203754</b>	China Coal Technology and Engineering Group Taiyuan Institute; Shanxi Tiandi Coal Mining Machinery Co., Ltd.
<b>2021203666</b>	Skydex Technologies, Inc.	<b>2021203755</b>	The Regents of the University of California
<b>2021203667</b>	SomniFix International LLC	<b>2021203758</b>	Google LLC
<b>2021203668</b>	MARKETSPRINGPAD IP USA LLC	<b>2021203759</b>	Craig, W.; Pyett, K.
<b>2021203670</b>	ConMed Corporation	<b>2021203760</b>	GE Global Sourcing LLC
<b>2021203671</b>	Mars, Incorporated	<b>2021203761</b>	Aurigene Discovery Technologies Limited
<b>2021203672</b>	Illumina, Inc.; Illumina Cambridge Limited	<b>2021203762</b>	TuSimple, Inc.
<b>2021203674</b>	FISHER & PAYKEL HEALTHCARE LIMITED	<b>2021203763</b>	RTC Industries, Inc.
<b>2021203676</b>	Qualcomm Incorporated	<b>2021203764</b>	NuVasive, Inc.
<b>2021203678</b>	Conlan, K.	<b>2021203765</b>	Qingdao University of Technology; Shenyang Hongyang Precision Ceramics Co.,Ltd.
<b>2021203679</b>	Automated Clinical Guidelines, LLC; Dew, D.; Halpern, S.; Engler, H.; Steward, D.; Dew, D.; Dew, D.; Stratton, S.	<b>2021203766</b>	Qingdao University of Technology
<b>2021203680</b>	HONEYWELL INTERNATIONAL INC.	<b>2021203767</b>	Ampfibian Holdings Pty Ltd
<b>2021203681</b>	Smajic, S.; Smajic, S.	<b>2021203768</b>	Sanford-Burnham Medical Research Institute; Pfizer Inc.
<b>2021203682</b>	Spin Master, Inc.	<b>2021203769</b>	Ningbo Sanhan Alloy Material Co., Ltd.; Qingdao University of Technology
<b>2021203683</b>	NORITZ CORPORATION	<b>2021203770</b>	The Regents of the University of California
<b>2021203685</b>	Cornell University	<b>2021203771</b>	Xenon Pharmaceuticals Inc.
<b>2021203686</b>	Intervet International B.V.	<b>2021203772</b>	XL Hybrids
<b>2021203687</b>	Lyteloo Technologies, LLC	<b>2021203773</b>	Excitus AS
<b>2021203688</b>	Blinxel Pty Ltd	<b>2021203774</b>	Futurecom Systems Group, ULC
<b>2021203689</b>	Madrers, J.	<b>2021203775</b>	NATIONAL CHENG KUNG UNIVERSITY
<b>2021203690</b>	Aqualand Industries Limited	<b>2021203777</b>	Dolby International AB
<b>2021203691</b>	Eloxx Pharmaceuticals Ltd.	<b>2021203779</b>	The University of North Carolina at Chapel Hill
<b>2021203692</b>	Breville USA, Inc.	<b>2021203780</b>	Dropbox, Inc.
<b>2021203693</b>	LOGINED B.V	<b>2021203781</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2021203694</b>	LG Electronics Inc.	<b>2021203782</b>	Apple Inc.
<b>2021203695</b>	W. L. Gore & Associates, Inc.	<b>2021203783</b>	I-Mab Biopharma US Limited
<b>2021203696</b>	Lyster, J.	<b>2021203784</b>	PhysIQ Inc.
<b>2021203697</b>	Mainey, R.	<b>2021203785</b>	Rowse, B.
<b>2021203698</b>	Aristocrat Technologies Australia Pty Limited	<b>2021203786</b>	Vertex Pharmaceuticals (Europe) Limited
<b>2021203699</b>	Intellijoint Surgical Inc.	<b>2021203788</b>	Endurant Systems, LLC
<b>2021203700</b>	IMASCAP	<b>2021203790</b>	Novartis AG; The Trustees of the University of Pennsylvania
<b>2021203701</b>	Waymo LLC	<b>2021203791</b>	Dolby International AB
<b>2021203702</b>	Guo, Y.	<b>2021203792</b>	Apogenix AG
<b>2021203703</b>	Transportation IP Holdings, LLC	<b>2021203793</b>	Navigate Cardiac Structures, Inc.
<b>2021203704</b>	Soligenix, Inc.	<b>2021203794</b>	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
<b>2021203706</b>	Dropbox, Inc.	<b>2021203795</b>	Dynasty eSports Pte Ltd
<b>2021203714</b>	Acoustic Zoom, Inc.	<b>2021203796</b>	QIAGEN Australia Holding Pty. Ltd.
<b>2021203717</b>	Ascendis Pharma Growth Disorders A/S	<b>2021203798</b>	HONEYWELL INTERNATIONAL INC.
<b>2021203718</b>	Slip IP Holdings Pty Ltd.		
<b>2021203726</b>	The J. David Gladstone Institutes; The Regents of the University of California; Ithaca College		
<b>2021203727</b>	Puzhen Life Co., Limited		
<b>2021203728</b>	Freedom Solutions Group, LLC d/b/a Microsystems, Inc.		

Complete Applications Filed - Numerical Index cont'd

2021203799	HONEYWELL INTERNATIONAL INC.	2021203883	Memorial Sloan Kettering Cancer Center
2021203800	HWANG, Y.	2021203884	Wing Aviation LLC
2021203801	The Trustees of Columbia University in the City of New York	2021203885	M&R Printing Equipment, Inc.
2021203802	Glory Ltd.	2021203886	Integrated Shoulder Collaboration, Inc.
2021203805	Illumina, Inc.	2021203887	DEKA Products Limited Partnership
2021203809	Synagile Corporation	2021203888	El-Shafei, A.
2021203810	Telefonaktiebolaget LM Ericsson (publ)	2021203889	Daiichi Sankyo Company, Limited
2021203811	Colin Christopher Beattie as the nominee of Note Graphic Partnership	2021203890	Technological Resources Pty Ltd
2021203812	Ocado Innovation Limited	2021203891	4D Pharma Research Limited
2021203813	Glory Ltd.	2021203892	Sony Corporation
2021203814	AdvanSix Resins & Chemicals LLC	2021203893	Aristocrat Technologies, Inc.
2021203815	Visa International Service Association	2021203894	Evogene Ltd.
2021203816	Gasnier, M.	2021203895	BWXT ISOTOPE TECHNOLOGY GROUP, INC.
2021203819	Illumina, Inc.	2021203896	Telstra Corporation
2021203820	The General Hospital Corporation	2021203897	Electrolux Appliances Aktiebolag
2021203822	National Nail Corp.	2021203898	Itron Global SARL
2021203823	Heraeus Medical GmbH	2021203899	Highlife SAS
2021203824	Rhodia Operations; Adama Makhteshim Ltd.	2021203900	Please Hold (UK) Limited
2021203825	The Hilliard Corporation	2021203902	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
2021203826	FiberLean Technologies Limited	2021203904	Turner Jr., E.
2021203827	Teleflex Medical Incorporated	2021203905	Kymab Limited
2021203828	Children's Hospital & Research Center at Oakland	2021203906	Clinical Genomics Pty. Ltd.
2021203829	Wellhead Power Solutions, LLC	2021203907	Fraser, M.A.
2021203830	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2021203908	Apple Inc.
2021203831	See-Out Pty Ltd.	2021203909	Veedol Lubricants Pty Ltd
2021203832	Breville Pty Limited	2021203910	Canva Pty Ltd
2021203834	The Boeing Company	2021203911	Soodin, D.
2021203835	Kellogg Company	2021203912	Borealis AG
2021203836	American Gene Technologies International Inc.	2021203913	Pulmonx Corporation
2021203837	BRIEN HOLDEN VISION INSTITUTE	2021203914	Apple Inc.
2021203838	Academisch Ziekenhuis Leiden	2021203915	W.L. Gore & Associates, Inc.
2021203839	CareFusion 303, Inc.	2021203916	Constance Therapeutics, Inc.
2021203840	Emory University	2021203917	Planet A Energy, Inc.
2021203841	Deere & Company	2021203918	GENENTECH, INC.
2021203842	Huawei Technologies Co., Ltd.	2021203919	Warsaw Orthopedic, Inc.
2021203843	Covidien LP	2021203920	Provista Diagnostics, Inc.
2021203844	Cargill, Incorporated	2021203921	AMADEUS S.A.S
2021203845	Illinois Tool Works Inc.	2021203922	ethirajulu, d.
2021203846	Firebrick Pharma Limited	2021203923	Wilson, W.
2021203847	Eli Lilly and Company	2021203924	WATER CHALLENGE, S.L.
2021203848	Yueqing Zhishun Electric Co., Ltd.	2021203925	Vanda Pharmaceuticals Inc.
2021203849	MAKO Surgical Corp.	2021203926	Goldman Sachs & Co. LLC
2021203850	Aristocrat Technologies Australia Pty Limited	2021203927	Eli Lilly and Company
2021203852	dormakaba Deutschland GmbH	2021203928	Fisher & Paykel Healthcare Limited
2021203853	Todd, R.	2021203929	GLOVER, M.; JENNINGS, Z.
2021203854	iSOL8 Pty Ltd	2021203930	Wavetrain Acoustics Pty Ltd
2021203855	Nicoventures Trading Limited	2021203931	Miller, M.J.; Moraski, G.
2021203856	Animal Ethics Pty Ltd	2021203932	BioConsortia, Inc.
2021203857	Rocla Pty Limited	2021203933	LG Electronics Inc.
2021203858	The Boeing Company	2021203934	Illumina, Inc.; Illumina Cambridge Limited
2021203859	Fung, J.	2021203935	The Board of Regents of the University of Texas System
2021203860	F. Hoffmann-La Roche AG	2021203936	Covidien LP
2021203861	InterDigital Patent Holdings, Inc.	2021203940	Vermeer Manufacturing Company
2021203862	Bry Air [Asia] Pvt. Ltd.	2021203956	Baylor College of Medicine; Texas Heart Institute
2021203863	Race Oncology Ltd.	2021203958	NuVasive, Inc.
2021203865	Britax Child Safety Inc	2021203959	Oskar Frech GmbH + Co. KG
2021203866	Cipher Surgical Limited	2021203960	Miles, S.
2021203871	Garock Pty Ltd	2021203961	Intrexon Corporation
2021203872	Arch Biopartners, Inc.	2021203966	Deere & Company
2021203873	Noble Healthcare Group Pty Ltd	2021204170	HONEYWELL INTERNATIONAL INC.
2021203874	National University of Ireland, Galway		
2021203875	Huawei Technologies Co., Ltd.; University of Science and Technology of China		
2021203876	CytomX Therapeutics, Inc.		
2021203877	Illumina, Inc.		
2021203878	Copia Corporation Pty Ltd		
2021203880	Inguran, LLC		
2021203881	Orison Inc.		
2021203882	McElroy Manufacturing Inc.		

**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 15 Jun 2021 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<b>.., M. see Sharma, M.</b> (21) 2021103042	<b>Adakane, R. see Datta Meghe Institute of Medical Sciences</b> (21) 2021103111	<b>Ahila Devi, E. see Marriwala, N.</b> (21) 2021103085
<b>.., M. see KAUSHIK, S.</b> (21) 2021103071	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103068 (22) 03.06.2021 (54) Medical supporting device	<b>Ahmad, N. see Marriwala, N.</b> (21) 2021103085
<b>.., R. see Goyal, S.B.</b> (21) 2021103216	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103069 (22) 03.06.2021 (54) Nursing treatment vehicle capable of being lifted and moved conveniently	(71) Ahmad, S.; Mehfuz, S.; Vetriselvi, T.; Anveshini, D.; Senapati, M.R.; Raghav- arao, Y.V.; Satpathy, R.; Devaraju, S.; Srinivas, M.; Jaiswal, S.; Jaiswal, T.; G., P. (21) 2021103249 (22) 10.06.2021 (54) A NOVEL MULTI-LEVEL OPTIMIZA- TION FOR TASK SCHEDULING AND LOAD BALANCING IN CLOUD
<b>.., S. see Barak, D.</b> (21) 2021103225	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103102 (22) 04.06.2021 (54) Support Device for Nursing Bandaging	<b>Ahluwalia, P.S. see Mukati, N.</b> (21) 2021103178
<b>A, H. see V, V.</b> (21) 2021103073	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103105 (22) 04.06.2021 (54) Turning over auxiliary bed for medical care	(71) Aidepingfang Health Technology (Shanghai) Co., Ltd. (21) 2021103035 (22) 02.06.2021 (54) MASSAGE MACHINE WITH LIMB MASSAGE MECHANISM AND WORK- ING METHOD OF LIMB MASSAGE MECHANISM
<b>ABIRAMI, S. see SAMROT, A.V.</b> (21) 2021103177	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103143 (22) 07.06.2021 (54) Medical dressing trolley capable of moving limbs	(71) Aidepingfang Health Technology (Shanghai) Co., Ltd. (21) 2021103037 (22) 02.06.2021 (54) MASSAGE MECHANISM AND MAS- SAGE CONTROL DEVICE THEREOF, MASSAGE MACHINE AND WORKING METHOD OF MASSAGE MECHANISM
<b>Academy of Agriculture and Animal Hus- bandry of Tibet Autonomous Region see Institute of Animal Husbandry and Veterin- ary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Re- gion</b> (21) 2021103054	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103144 (22) 07.06.2021 (54) Medical care bedpan convenient for sampling	(71) Aidepingfang Health Technology (Shanghai) Co., Ltd. (21) 2021103038 (22) 02.06.2021 (54) MASSAGE MECHANISM AND MAS- SAGE CONTROL DEVICE THEREOF, AND MASSAGE MACHINE
<b>Academy of Agriculture and Animal Hus- bandry of Tibet Autonomous Region see Institute of Animal Husbandry and Veterin- ary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Re- gion</b> (21) 2021103090	(71) Affiliated Hospital of YouJiang Medical University for Nationalities (21) 2021103145 (22) 07.06.2021 (54) Nursing tray	<b>Aidhane, S. see Datta Meghe Institute of Medical Sciences</b> (21) 2021103177
(71) Acharya, B.; Makkar, S.; Dash, S.; Dash, S.S.; Goyal, M.; Imam, H.; Path- ak, A.; Dhanuka, A.; Sabata, S.; Bhola, E.A. (21) 2021103015 (22) 01.06.2021 (54) APPARATUS FOR REAL-TIME AIR POLLUTION MONITORING USING IOT	<b>Agarwal, R. see Singh, S.</b> (21) 2021103171	(71) Ajay, A.; Dahiya, D.; Nayak, S.; Dhali- wal, P.; Choudhary, T.; Gillawat, A.K.; Dahiya, M.; Hiremath, S.; Goel, R.; Sambasivam, A.; Gambhir, V. (21) 2021102997 (22) 31.05.2021 (54) ADVANCED ISF METHOD BY USING LASER & ADVANCE MECHANISM
<b>Acharya, B. see Dash, S.</b> (21) 2021103140	<b>Aggarwal, A. see Singh, Y.</b> (21) 2021103167	
<b>Acharya, B. see Mahdi, H.F.</b> (21) 2021103165	<b>Aher, P. see Srivastava, K.</b> (21) 2021103018	

Innovation Patent Applications Filed - Name Index cont'd

**Alwan, M.H. see Mahdi, H.F.**  
(21) 2021103165

**Amnerkar, N.D. see Datta Meghe Institute of Medical Sciences**  
(21) 2021103110

(71) Ampfiban Holdings Pty Ltd  
(21) 2021103187 (22) 08.06.2021  
(54) A POWER SAFETY DEVICE CONFIGURED FOR OUTDOOR USE  
(31) 2020901885 (32) 09.06.20 (33) AU

**Anand, R. see Barak, D.**  
(21) 2021103225

**Anand, D. see Sabharwal, M.**  
(21) 2021103235

**ANGADI, S. see Sumathy, B.**  
(21) 2021103067

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(54) QUICK-COOKING NOODLE STRUCTURE

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(71) ASTED Pty Ltd  
(21) 2021103217 (22) 08.06.2021  
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(54) Monitoring and movement detection using image subtraction

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(71) Balachandran, R.  
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(54) A PROCESS FOR FABRICATING A MULTI-LAYERED CERAMIC CAPACITOR  
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Innovation Patent Applications Filed - Name Index cont'd

SENSOR MODELLING AND GIS TECHNIQUES	<b>BHATTACHARYA, S. see BEDI, P.</b> (21) 2021103114	(21) 2021103135
<b>Barot, P.A. see Tharewal, S.S.</b> (21) 2021103135	<b>Bhojaraj Ingale, K. see Asthana, S.</b> (21) 2021103242	(71) Buttriss, J. (21) 2021103208 (22) 08.06.2021 (54) A multi-account information bearing card (62) 2020230451
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(71) Beijing University of Civil Engineering and Architecture; State Key Laboratory in China for GeoMechanics and Deep Underground Engineering (21) 2021103181 (22) 08.06.2021 (54) Air Conditioning Load Forecasting Method Based on Artificial Intelligence	(71) Blinkhorne, B. (21) 2021103089 (22) 04.06.2021 (54) AN EARTH STAKE	<b>Chandra Panda, R. see Devaneyan, S.P.</b> (21) 2021103075
<b>Belkhode, V. see Datta Meghe Institute of Medical Sciences</b> (21) 2021103112	<b>Bonde, S. see Bonde, C.</b> (21) 2021103070	<b>Chandrasekar, N. see Samuel, M.S.</b> (21) 2021103241
<b>Bhalerao, A.L. see Totewad, N.D.</b> (21) 2021103195	(71) Bonde, C.; Balaramnavar, V.M.; Bonde, S.; Sharma, M. (21) 2021103070 (22) 03.06.2021 (54) A NOVEL COMPOSITION FOR THE TREATMENT OF TUBERCULOSIS	<b>Chauhan, D. see Mukati, N.</b> (21) 2021103178
<b>Bhandari, A.S. see Mukati, N.</b> (21) 2021103178	<b>Borole, Y.D. see Rao, K.</b> (21) 2021103020	<b>CHAUHAN, D. see BEDI, P.</b> (21) 2021103114
<b>Bhat, B.R. see Parashar, J.</b> (21) 2021103169	<b>Bose, R. see Mukherjee, S.</b> (21) 2021103019	<b>Chavan, N.R. see Tripathi, A.O.</b> (21) 2021103176
<b>Bhatia, B. see Parashar, J.</b> (21) 2021103169	<b>Bose, R. see Chanda, K.</b> (21) 2021103084	(71) Chen, T.; Lin, J. (21) 2021103005 (22) 01.06.2021 (54) Ecological planting method of inter-planting <i>Ophiopogon japonicus</i> with corn and garlic
<b>Bhattacharya, S. see Asthana, S.</b> (21) 2021103242	(71) BOYD, C. (21) 2021103024 (22) 02.06.2021 (54) INLET VALVE ASSEMBLY FOR A CISTERN	(71) Chengdu University of Technology (21) 2021103157 (22) 07.06.2021
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Innovation Patent Applications Filed - Name Index cont'd

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(21) 2021103205 (22) 08.06.2021  
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**Chordiya, S.B. see Kero, A.**  
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**Choudhary, T. see Ajay, A.**  
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**Chouhan, K. see Asthana, S.**

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Innovation Patent Applications Filed - Name Index cont'd

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Of Engineering; Ravi Nair Physiotherapy college; Qureshi, I.; Khedkar, S.S.; Fulzele, P.

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(54) A DEVICE FOR MINI IMPLANT PLACEMENT GUIDING

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(54) A COMBINATION COMPRISING HERBAL ANTI-RESPORTIVE AND MINERAL RICH ANTIOXIDANT

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**devi, M.R. see Parashar, J.**  
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**Devi, L. see Singh, P.**  
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**DEVI, A. see KAUSHIK, S.**  
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**Dhaliwal, P. see Ajay, A.**  
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**Dhanaraj, R.K. see Johri, P.**  
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**Dhanaraj, R.K. see Sabharwal, M.**  
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**Dhanuka, A. see Acharya, B.**  
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Innovation Patent Applications Filed - Name Index cont'd

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**Dhanuka, A. see Mahdi, H.F.**  
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**Dhiman, V. see Pallathadka, H.**  
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**DHIVA, S. see SAMROT, A.V.**  
(21) 2021103177

**Divya, R. see Rajeswari, M.**  
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**Diwan, T. see Jain, P.**  
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**DIWEDI, R. see KAUSHIK, S.**  
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(71) Doolan, L.  
(21) 2021103096 (22) 04.06.2021  
(54) Mental Health app for youth

**Dubey, S. see Datta Meghe Institute of Medical Sciences**  
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**Dule, C.S. see Sumathy, B.**  
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(21) 2021103099 (22) 04.06.2021  
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(71) Ecology Institute of Shandong Academy of Sciences (China-Japan Friendship Biotechnology Research Center, Shandong Academy of Sciences)  
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(54) METHOD FOR PREPARING MODIFIED BIOCHAR ADSORPTION MATERIAL AND APPLICATION THEREOF

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(54) Container  
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**G., P. see Sumathy, B.**  
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**Gagnani, L.P. see Badashah, S.J.**  
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**Gambhir, V. see Ajay, A.**  
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**Gandhi, G.C. see Kero, A.**  
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(71) Gansu Agricultural University  
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(54) APPLICATION OF COMBINATION OF NEOSEIULUS BARKERI AND ACREMONIUM HANSFORDII IN CONTROL OF TETRANYCHUS URTICAE

**Garladinne, R. see Badashah, S.J.**  
(21) 2021103132

(71) GDH Mining and Maintenance Pty Ltd  
(21) 2021103011 (22) 01.06.2021

Innovation Patent Applications Filed - Name Index cont'd

(54) A FLUID DRAINAGE ASSEMBLY AND METHOD OF USE THEREOF

(71) Geobotica Pty Ltd  
(21) 2021103228 (22) 09.06.2021  
(54) Rock Face Safety Monitoring System

Ghasemi, S. see Mozafari, M.  
(21) 2021103139

Ghawde, R.S. see Tripathi, A.O.  
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Ghazal, T. see Sabharwal, M.  
(21) 2021103235

Ghosh, A. see Rao, K.  
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Ghosh, A. see Asthana, S.  
(21) 2021103242

Gillawat, A.K. see Ajay, A.  
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Gobbilla, U. see Pallathadka, H.  
(21) 2021103142

Goel, R. see Ajay, A.  
(21) 2021102997

Goel, P. see Johri, P.  
(21) 2021103224

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(21) 2021103049

Gopal, M.K. see Marriwala, N.  
(21) 2021103085

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(21) 2021103015

(71) Goyal, S.B.; Kumar, J.; Singhal, N.; Kumar, R.; Patnaik, P.; K. N., B.; Rani, U.; , R.; Kumar, D.; Rai, J.  
(21) 2021103216 (22) 08.06.2021  
(54) INTELLIGENT TRACKING & MANAGING SYSTEM FOR WATER QUALITY DISTRIBUTION AND WATER CONSUMPTION PLAN SCHEDULING USING BLOCK CHAIN

(71) Guangdong Hoshion Industrial Aluminium Co., Ltd.

(21) 2021103056 (22) 03.06.2021  
(54) Aluminum alloy, and manufacturing process and use thereof  
(31) 202011493550.3 (32) 17.12.20 (33) CN

(71) Guangdong Hoshion Industrial Aluminium Co., Ltd.

(21) 2021103058 (22) 03.06.2021  
(54) Aluminum alloy, and manufacturing process and use thereof  
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(21) 2021103054

Guangdong Ocean University see Institute of Animal Husbandry and Veterinary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Region  
(21) 2021103090

(71) Guangxi Academy of Agricultural Sciences

(21) 2021103185 (22) 08.06.2021  
(54) PRIMER GROUP, REAGENT, KIT AND APPLICATION FOR RAPIDLY DETECTING BACTERIAL WILT DISEASE OF MULBERRY TREES

Gupta, V. see Johri, P.  
(21) 2021103224

GUPTA, D. see GUPTA, B.B.  
(21) 2021103136

(71) GUPTA, B.B.; SAHOO, S.R.; YAMAGUCHI, S.; GUPTA, D.

(21) 2021103136 (22) 05.06.2021  
(54) METHOD AND SYSTEM FOR SPAMMER CONTENT IDENTIFICATION USING FEATURE SELECTION IN ONLINE SOCIAL NETWORKS

GUPTA, D. see GUPTA, B.B.  
(21) 2021103137

(71) GUPTA, B.B.; SAHOO, S.R.; YAMAGUCHI, S.; GUPTA, D.

(21) 2021103137 (22) 05.06.2021  
(54) METHOD AND SYSTEM FOR AUTOMATIC FAKE NEWS DETECTION USING FEATURE SELECTION ON SOCIAL NETWORKS

Gurikar, A. see Marriwala, N.  
(21) 2021103085

Haiyan, X. see Lei, C.  
(21) 2021103152

(71) Hangyin Consumer Finance Co Ltd  
(21) 2021103087 (22) 04.06.2021  
(54) Big data testing method and system  
(31) CN202110026693.1(32) 09.01.21 (33) CN

(71) Hangzhou Fudemin Biotechnology Co., Ltd.

(21) 2021103250 (22) 10.06.2021  
(54) IMMUNOFLUORESCENT ASSAY TEST STRIP FOR HAZELNUT, USE THEREOF, AND DETECTION METHOD USING SAME

(71) Hangzhou Hongliang Technology Co., LTD

(21) 2021103206 (22) 08.06.2021  
(54) A Sensor Type Elastic Washer For Dynamic Monitoring Of Screw Connection Preload

Hanlanlvodian Solid Waste Treatment (Foshan) Co., Ltd. 2nd see Chongqing Electric Power College Co., Ltd.  
(21) 2021103064

HAQUE, M.A. see KAUSHIK, S.  
(21) 2021103071

(71) Harbin Engineering University  
(21) 2021103203 (22) 08.06.2021

(54) A Real-Time Thrust Allocation Method For Ships Based On Dual-Thread Parallel Computing

(71) Harbin PROSYN Unite Biological Feed Co., Ltd

(21) 2021103168 (22) 07.06.2021  
(54) A preparation method of high palatability anionic salt for dairy cattle

Harbin University of Science and Technology see Northeast Agricultural University  
(21) 2021103021

Hashmi, A. see Parashar, J.  
(21) 2021103169

(71) HENAN UNIVERSITY OF TECHNOLOGY

(21) 2021103052 (22) 03.06.2021  
(54) Method for evaluating antigenicity change of soybean globulin after heat treatment by sandwich-ELISA

Innovation Patent Applications Filed - Name Index cont'd

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(21) 2021103033 (22) 02.06.2021  
(54) AN ENCLOSURE FOR A TURN LOCK PHOTOCONTROL UNIT AND A METHOD OF PRODUCING THE ENCLOSURE  
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(21) 2021103063 (22) 03.06.2021  
(54) CABLE TERMINAL EXPLOSION PROTECTION SYSTEM AND METHOD  
(31) 2021104842367 (32) 30.04.21 (33) CN
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(21) 2021103008 (22) 01.06.2021  
(54) SELF-HEALING THREE-DIMENSIONAL CROSS-LINKED POLYMER ELECTROLYTE WITH WIDE TEMPERATURE RANGE, PREPARATION THEREOF AND LITHIUM ION BATTERY  
(31) 202110455372.3 (32) 26.04.21 (33) CN
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(21) 2021103230
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(21) 2021103108
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- (71) HUNAN ANMIN SCIENCE AND TECHNOLOGY CO., LTD.  
(21) 2021103238 (22) 09.06.2021  
(54) MULTI-MODE STARTING DRY POWDER FIRE EXTINGUISHING BALL  
(62) PCT/CN2019/120628
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(21) 2021103200 (22) 08.06.2021  
(54) Application of Rabdosia Serra in Preventing or Treating Nicotine Dependence  
(31) 2020109178166 (32) 03.09.20 (33) CN
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- (71) Idea Athletic Pty Ltd  
(21) 2021103207 (22) 08.06.2021  
(54) ACTIVE WEAR
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- Imam, H. see Acharya, B.**
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- (71) Inner Mongolia Medical University  
(21) 2021103182 (22) 08.06.2021  
(54) Cornutcd pugionium drink and preparation method thereof
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(21) 2021103184 (22) 08.06.2021  
(54) Scabiosa Functional Beverage and Method for Preparing the Same
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- (71) Inner Mongolia University of Technology  
(21) 2021103046 (22) 03.06.2021  
(54) INTELLIGENT DETECTION DEVICE FOR FABRIC DEFECTS
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- (71) Institute of Agricultural Resources and Regional Planning  
(21) 2021103147 (22) 07.06.2021  
(54) Maize Endophytic Acinetobacter ACZLY512 and Application Thereof
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- (71) Institute of Agricultural Resources and Regional Planning  
(21) 2021103149 (22) 07.06.2021  
(54) Enhanced Efficient Nitrogen fixing Composite Microbial System with Non azotobacter and Application Thereof
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(21) 2021103054 (22) 03.06.2021  
(54) Preparation method and extraction method of magnetic molecular imprinted polymer of larch flavonoid active ingredient
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- (71) Institute of Animal Husbandry and Veterinary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Region; Guangdong Ocean University; Zhanjiang Experimental Station, Chinese Academy of Tropical Agricultural Sciences; Academy of Agriculture and Animal Husbandry of Tibet Autonomous Region  
(21) 2021103090 (22) 04.06.2021
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- (54) Medicinal Composition for Treating Animal Hydatid Disease and Preparation Method Thereof
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- (71) INSTITUTE OF ANIMAL SCIENCES CAAS, CHINESE ACADEMY OF AGRICULTURAL SCIENCES  
(21) 2021103133 (22) 05.06.2021  
(54) The invention relates to a control method for automatic and precise feeding of pregnant sows
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(21) 2021103134 (22) 05.06.2021  
(54) A Piglet Feeding Device
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- (71) Institute of Cotton Research (ICR) of CAAS  
(21) 2021103050 (22) 03.06.2021  
(54) SVs (IarINDELfZ) Locus Associated with Fuzz Trait and GWAS Analysis Method and Application in Gossypium arboreum
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- (71) Institute of Geology and Geophysics, Chinese Academy of Sciences  
(21) 2021103010 (22) 01.06.2021  
(54) Method and Device for Reconstructing Image of Pore Structure
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(21) 2021103039 (22) 02.06.2021  
(54) an ecological dispatch method and apparatus for complex ecosystem of lakes and rivers
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- 
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Innovation Patent Applications Filed - Name Index cont'd

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(54) An IoT based Smart Food-Cold Chain Transportation System

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(71) Jain, D.; Jain, S.; Manoria, M.; Jain, S.  
(21) 2021103196 (22) 08.06.2021  
(54) DESIGNING A QR CODE ON PHARMACEUTICAL PACKAGING TO ENHANCE PATIENT COMPLIANCE AND TO MINIMISE MEDICATION AND PRESCRIPTION ERRORS  
(31) 202121018925 (32) 23.04.21 (33) IN

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Jaiswal, S. see Asthana, S.  
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Jaiswal, S. see Ahmad, S.  
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Jawaharlal Nehru Medical College see Datta Meghe Institute of Medical Sciences(DU)  
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Jawaharlal Nehru Medical College see Datta Meghe Institute of Medical Sciences  
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(71) Jeevanandan, G.; V., D.  
(21) 2021103194 (22) 08.06.2021  
(54) DUAL CORE SINGLE ENDODONTIC FILE FOR ROOT CANAL TREATMENT IN PRIMARY POSTERIOR TEETH

(71) JHA, N.; FERNANDES, R.A.P.; JADIA, A.B.  
(21) 2021103104 (22) 04.06.2021  
(54) DATA MINING BASED COMPUTERIZED BUSINESS MODEL FOR IDENTIFICATION OF CUSTOMER BEHAVIOR

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(54) MOSO BAMBOO GROWTH INHIBITOR  
(31) 202110133407.1 (32) 01.02.21 (33) CN

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(21) 2021103066 (22) 03.06.2021  
(54) Method for Planting Oryza Sativa

(71) Jiangxi Agricultural University  
(21) 2021103155 (22) 07.06.2021  
(54) Use of guanidineacetic acid in improving production performance, slaughter performance, and meat quality of beef cattle  
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(54) Coal Chemical Waste Residue-based Fiber and Preparation Method Thereof

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(21) 2021103075

(71) Johri, P.; Dhanaraj, R.K.; Kumar, A.; Goel, P.; Sharma, D.; Gupta, V.; Saxena, V.S.; Singh, N.; Kumud, ..; Singh, R.V.  
(21) 2021103224 (22) 09.06.2021  
(54) Smart Agriculture using IoT

(71) Jones, A.  
(21) 2021103025 (22) 01.06.2021  
(54) Large rodent & pest trapping system

K. M., P.R. see Sumathy, B.  
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K. N., B. see Goyal, S.B.

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Kalaskar, R.R. see Tripathi, A.O.  
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Kale, S.S. see Tripathi, A.O.  
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Kamble, R. see Datta Meghe Institute of Medical Sciences(DU)  
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Kanchana, S. see Singh, P.  
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(71) KANG, C.G.  
(21) 2021103148 (22) 07.06.2021  
(54) SYSTEM AND METHOD FOR PROVIDING SERVICE FOR RANDOM DISCOUNT IN REAL TIME BY USING MOBILE APP  
(62) PCT/KR2019/018023

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(71) KAUSHIK, S.; DEVI, A.; KUMAR, A.; KUMAR, H.; ..; M.; YADAV, S.; SHIVEN, A.; RANI, N.; DIWEDI, R.; BATTINENI, J.K.; HAQUE, M.A.  
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(54) DEVELOPMENT OF DRUG DESIGN BY INVESTIGATION OF DRUG SIDE EFFECTS BASED ON THEIR CHEMICAL STRUCTURES

Kavita, K. see Sumathy, B.  
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Kediya, S. see Singh, S.  
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(54) Point to Point Regression Analysis-Based Big Data-AWS Processing Using ML-Machine Learning.

Khamuruddeen, S. see Badashah, S.J.  
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Khan, B. see Singh, P.

Innovation Patent Applications Filed - Name Index cont'd

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Khan, N.Z. see Masood, S. (21) 2021103131	Kumar, P. see Sumathy, B. (21) 2021103067	Kumar, V. see Barak, D. (21) 2021103225
Khan, Z.A. see Masood, S. (21) 2021103131	Kumar, S.A. see Sumathy, B. (21) 2021103067	KUMAR, A. see KAUSHIK, S. (21) 2021103071
Khandare, K.B. see Datta MeghelInstitute of Medical Sciences(DU) (21) 2021103081	Kumar, C. see Sumathy, B. (21) 2021103067	KUMAR, H. see KAUSHIK, S. (21) 2021103071
Khandge, R.S. see Samuel, M.S. (21) 2021103241	Kumar, A. see Devaneyan, S.P. (21) 2021103075	Kumar Singh, N. see Sharma, M. (21) 2021103042
Khatib, N. see Datta Meghe Institute of Medical Sciences (21) 2021103117	Kumar, T.R. see Pallathadka, H. (21) 2021103142	Kumud, .. see Johri, P. (21) 2021103224
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Khedkar, S.S. see Datta MeghelInstitute of Medical Sciences(DU) (21) 2021103076	Kumar, V. see Singh, Y. (21) 2021103167	(71) Lei, C.; Haiyan, X.; Yonghong, L. (21) 2021103152 (22) 07.06.2021 (54) Canberra Distance Based Fault Identification Method of Flexible DC Distribution Network
Krishna, K.M. see Asthana, S. (21) 2021103242	Kumar, B. see Varshney, T. (21) 2021103173	(71) Lendvaj, M. (21) 2021103218 (22) 08.06.2021 (54) Electric reclining bed for all types of caravans / campervans / motorhomes / pop-tops and slide-ons
Krishnajegan, S.P. see D, K. (21) 2021103108	Kumar, P. see Varshney, T. (21) 2021103173	(71) LifePoint International Pty Ltd (21) 2021103202 (22) 08.06.2021 (54) Assembly & Indicator for a Threaded Bolt (62) 2016259973
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Kumar, Y. see Rao, K. (21) 2021103020	Kumar, J. see Goyal, S.B. (21) 2021103216	Lin, J. see Chen, T. (21) 2021103005
Kumar, T.R. see Rao, K. (21) 2021103020	Kumar, R. see Goyal, S.B. (21) 2021103216	(71) Lo, H.M. (21) 2021102998 (22) 31.05.2021 (54) A Smart Electronic Cigarette
Kumar, N. see Sharma, M. (21) 2021103042	Kumar, D. see Goyal, S.B. (21) 2021103216	(71) Lonman Auto Accessories Co., Ltd (21) 2021103059 (22) 03.06.2021 (54) QUICK RELEASE CONNECTING ASSEMBLY (31) 202120650283.X (32) 31.03.21 (33) CN
Kumar, P. see Sharma, M. (21) 2021103042	Kumar, A. see Johri, P. (21) 2021103224	
Kumar, A. see Sharma, M. (21) 2021103042	Kumar, N. see Barak, D. (21) 2021103225	
	Kumar, D. see Barak, D. (21) 2021103225	
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(71) Loopi Labs Pty Ltd  
(21) 2021103215 (22) 08.06.2021  
(54) HAMMOCK FOR CRADLING A BABY  
OR AN INFANT IN A BATHING POSI-  
TION  
(31) 2021900435 (32) 19.02.21 (33) AU

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(21) 2021103124 (22) 04.06.2021  
(54) NOVEL LIPOSOMAL FORMULATION  
OF SEMECARPUS ANACARDIUM  
AND PROCES THERE OF

(71) Lovely Professional University  
(21) 2021103125 (22) 04.06.2021  
(54) NOVEL FORMULATION OF ROPINIR-  
OLE PROCESS THEREOF

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(21) 2021103126 (22) 04.06.2021  
(54) NOVEL APPARATUS FOR SIMULT-  
NEOUS EVALUATION OF COGINI-  
TION, MOTOR ACTIVITY AND ANXI-  
ETY STATE OF RODENTS

(71) Lovely Professional University  
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(54) DRAIN SEWAGE TREATMENT SYS-  
TEM

(71) Lovely Professional University  
(21) 2021103128 (22) 04.06.2021  
(54) SMART COVID CLOCK

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(54) A NOVEL DEVICE TO DERUST PIPES  
FROM INSIDE

M., R. see Singh, S.  
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Mago, B. see Dash, S.  
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Mahajan, R. see Marriwala, N.  
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Mahajan, U.N. see Datta Meghe Institute of  
Medical Sciences  
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al & Research Centre see Datta Meghel-  
nstitute of Medical Sciences(DU)  
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Mahatma Gandhi Ayurved College, Hos-  
pital And Research Centre see Datta  
MeghelInstitute of Medical Sciences(DU)  
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Mahdi, H.F. see Dash, S.  
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wan, M.H.; Dhanuka, A.; Mohanty, P.;  
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GENT BLOOD BANK FACILITIES US-  
ING IOT

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(54) WORKSTATION FURNITURE

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Malik, A. see Tiwari, G.  
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MALIK, K. see BEDI, P.  
(21) 2021103114

Mani, G. see V, V.  
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Manjramkar, V. see Totewad, N.D.  
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(54) A METHOD FOR RELIABLE AND EN-  
ERGY EFFICIENT DATA TRANSFER  
ROUTING PROTOCOL IN WIRELESS  
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purchase recommendation method and  
system

Mehfuz, S. see Ahmad, S.  
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Mehta, N. see Sumathy, B.  
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Mohamaed, A. see Muduli, K.  
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Mohanty, P. see Dash, S.  
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Mohanty, D. see Mahdi, H.F.  
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Mondal, H. see Mukherjee, S.  
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Mondal, H. see Chanda, K.  
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(71) Mukherjee, S.; Bose, R.; Roy, S.; Sardar, D.; Mondal, H.

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(71) MUTHU PERUMAL, C.

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(54) A METHOD TO IMPROVE EFFICIENCY OF MACHINABILITY OF COMPOSITE MATERIAL IN ABRASIVE WATERJET PROCESS

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(71) Nadkarni, S.; Vij, M.; Vij, A.; Sabharwal, M.; R., S.

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(71) Nanchang University

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(71) OXTI CORPORATION  
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Patil, S.C. see Tripathi, A.O.  
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Patnaik, P. see Goyal, S.B.  
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Patro, R.R. see Tharewal, S.S.  
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(71) Polar Research Institute of China  
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 (54) System for measuring sea ice thickness

Pralhadrao Kadam, V. see Devaneyan, S.P.  
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 (21) 2021103075

(71) Qilu University of Technology; Shandong Environmental Protection Industry Research Institute; Fujian Agriculture and Forestry University  
 (21) 2021103091 (22) 04.06.2021  
 (54) AN ACID-REDOX DUAL SITES SYNERGISTIC NH<sub>3</sub>-SCR CATALYST, A PREPARATION METHOD, AND AN APPLICATION THEREOF

(71) Qingdao Agricultural University; Shandong Tang Wang Carp Agricultural Development Co., Ltd  
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(71) Qingdao Agricultural University  
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 (54) A three-mode detection method for different veterinary drugs based on the fluorescence and phosphorescence of one carbon dots/SiO<sub>2</sub> composite

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Quadir, A. see Barak, D.  
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Ram, S.T. see Pallathadka, H.  
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Reddy, A. see Badashah, S.J.  
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(71) Roorkee College of Engineering  
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Roy, S. see Mukherjee, S.  
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Roy, S. see Chanda, K.  
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S, L. see Devaneyan, S.P.  
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S., P. see BEDI, P.  
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Sharma, M. see Pallathadka, H.  
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Sharma, N. see Singh, Y.  
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Sharma, R. see Varshney, T.  
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Sharma, D. see Johri, P.  
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Shree, B. see Pallathadka, H.  
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Medical Sciences(DU)  
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Shrivastava, P. see Datta Meghe Institute of  
Medical Sciences(DU)  
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TION IN ATM

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ing method for detecting impressions  
using internet of things

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Singh, P.N. see Kero, A.  
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Singh, N. see Johri, P.  
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Singh, R.V. see Johri, P.  
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Singh, K. see Barak, D.  
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Singh, Y. see Barak, D.  
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Medical Sciences  
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(54) IMPROVED RAIN GUTTER BRACKET

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method of topological magnetic struc-  
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NEED BASED ACCESS CONTROL  
FRAMEWORK FOR AN EMERGENCY  
RESPONSE SYSTEM

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Ltd. Electric Power Research Institute see  
Huazhong University of Science and Tech-  
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**Sureshkumar, A. see Rajeswari, M.**

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(71) Taiyuan University of Technology

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**Tamizharasan, A. see Parashar, J.**

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**Tauheed Khan, M. see Masood, S.**

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**T D, P. see Rajeswari, M.**

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**Tembhurne, J. see Jain, P.**

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**Thakre, R.A. see Datta MeghelInstitute of Medical Sciences(DU)**

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**Thakur, D. see Marriwala, N.**

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**Tiwari, K. see Tharewal, S.S.**

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**Tiwari, A.V. see Tripathi, A.O.**

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Manjramkar, V.; Marakwad, T.R.; Bhalerao, A.L.

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Innovation Patent Applications Filed - Name Index cont'd

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V., D. see Jeevanandan, G.  
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Vaduganathan, D. see Rajeswari, M.  
 (21) 2021103130

Vaidya, L. see Datta Meghe Institute of Medical Sciences  
 (21) 2021103109

Vajpayee, A. see Mukati, N.  
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Varinos, Inc. see NRL Pharma, Inc.  
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Vemu, V. see Singh, S.  
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Verma, S.R. see Ballal, M.S.  
 (21) 2021103175

Verma, N. see Barak, D.  
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Vetriselvi, T. see Ahmad, S.  
 (21) 2021103249

Vij, M. see Nadkarni, S.  
 (21) 2021103040

Vij, A. see Nadkarni, S.  
 (21) 2021103040

Vij, M. see Sabharwal, M.  
 (21) 2021103235

Vij, A. see Sabharwal, M.  
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Vijikala, V. see Rajeswari, M.  
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Virmani, T. see Devaneyan, S.P.  
 (21) 2021103075

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 (21) 2021103006 (22) 01.06.2021  
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Wakode, S.A. see Ballal, M.S.  
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Wanjari, A.S. see Datta Meghe Institute of Medical Sciences(DU)  
 (21) 2021103079

Warokar, A.S. see Datta Meghe Institute of Medical Sciences  
 (21) 2021103110

Williams, K. see Travers, A.  
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Williams, K. see Travers, A.  
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Wuhan University see Huaneng Hubei Clean Energy Co., Ltd.  
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 (54) Pricing method of bundling transaction between new energy and thermal power considering complementary characteristics of resources

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 (21) 2021103180 (22) 08.06.2021  
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 (54) A DRY AND WET SEPARATION SYSTEM FOR FRESH CATTLE MANURE

(71) Xuzhou University of Technology; Xuzhou Meizike Animal Husbandry Technology Co., Ltd.  
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Innovation Patent Applications Filed - Name Index cont'd

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**YAMAGUCHI, S. see GUPTA, B.B.**  
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**Yeshwantrao ChavanCollege Of Engineering see Datta MeghelInstitute of Medical Sciences(DU)**  
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**Yeshwantrao ChavanCollege Of Engineering see Datta Meghe Institute of Medical Sciences**  
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**Yeshwantrao Chavan College Of Engineering see Datta MeghelInstitute of Medical Sciences(DU)**  
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**Yeshwantrao Chavan College Of Engineering see Datta MeghelInstitute of Medical Sciences(DU)**  
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**Yeshwantrao Chavan College Of Engineering see Datta MeghelInstitute of Medical Sciences(DU)**  
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**Yeshwantrao Chavan College Of Engineering see Datta Meghe Institute of Medical Sciences**  
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**Yeshwantrao Chavan College Of Engineering see Datta Meghe Institute of Medical Sciences**  
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**Yeshwantrao Chavan College Of Engineering see Datta Meghe Institute of Medical Sciences**  
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**Yeshwantrao Chavan College Of Engineering see Datta Meghe Institute of Medical Sciences**  
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**Yinlong New Energy Incorporated Company see Huazhong University of Science and Technology**  
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**Yogeshwary, B.H. see D, K.**  
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**Yonghong, L. see Lei, C.**  
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**Zahiruddin, Q.S. see Datta Meghe Institute of Medical Sciences**  
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**Zeeshan, G.A. see D, K.**  
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**Zhanjiang Experimental Station, Chinese Academy of Tropical Agricultural Sciences see Institute of Animal Husbandry and Veterinary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Region**  
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**Zhanjiang Experimental Station, Chinese Academy of Tropical Agricultural Sciences see Institute of Animal Husbandry**

Innovation Patent Applications Filed - Name Index cont'd

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Numerical Index

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<b>2021102993</b>	Secure Forte Pty Ltd	<b>2021103040</b>	Nadkarni, S.; Vij, M.; Vij, A.; Sabharwal, M.; R., S.
<b>2021102994</b>	Owen, S.; Owen, T.	<b>2021103041</b>	Mahto, A.; Oraon, M.
<b>2021102995</b>	Taiyuan University of Technology	<b>2021103042</b>	Sharma, M.; Kumar, N.; , M.; Kumar, P.; Kumar Singh, N.; Kumar, A.; Sharma, A.; Kumar, A.
<b>2021102996</b>	South China Normal University	<b>2021103044</b>	Singh, P.; Singhal, P.; Khan, B.; Rajkumar, S.; Devi, L.; Kanchana, S.; Mahela, O.P.; Niwash Mahia, R.
<b>2021102997</b>	Ajay, A.; Dahiya, D.; Nayak, S.; Dhaliwal, P.; Choudhary, T.; Gillawat, A.K.; Dahiya, M.; Hiremath, S.; Goel, R.; Sambasivam, A.; Gambhir, V.	<b>2021103045</b>	Roorkee College of Engineering
<b>2021102998</b>	Lo, H.M.	<b>2021103046</b>	Inner Mongolia University of Technology
<b>2021102999</b>	Jiangxi Agricultural University	<b>2021103047</b>	Zhou, W.
<b>2021103000</b>	Balachandran, R.	<b>2021103048</b>	Biotechnology and Germplasm Resources Institute, Yunnan Academy of Agricultural Sciences
<b>2021103001</b>	Sun, Y.	<b>2021103049</b>	Biology Institute of Shandong Academy of Sciences; Golden Star (Rizhao) Agricultural Science and Technology Development Co., Ltd.; Yantai Dadi Husbandry Co., Ltd.
<b>2021103003</b>	The Second Medical Center Of Chinese PLA General Hospital	<b>2021103050</b>	Institute of Cotton Research (ICR) of CAAS
<b>2021103004</b>	Apple Inc.	<b>2021103051</b>	Zunyi Normal College
<b>2021103005</b>	Chen, T.; Lin, J.	<b>2021103052</b>	HENAN UNIVERSITY OF TECHNOLOGY
<b>2021103006</b>	VISTRak Pty Ltd	<b>2021103053</b>	Xu, Z.
<b>2021103008</b>	Huazhong University of Science and Technology; Yinlong New Energy Incorporated Company; State Grid Xinjiang Electric Power Co., Ltd. Electric Power Research Institute; Jiangsu Paineng Energy Technology Co., Ltd.	<b>2021103054</b>	Institute of Animal Husbandry and Veterinary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Region; Guangdong Ocean University; Zhanjiang Experimental Station, Chinese Academy of Tropical Agricultural Sciences; Academy of Agriculture and Animal Husbandry of Tibet Autonomous Region
<b>2021103009</b>	Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment of the People's Republic of China	<b>2021103055</b>	Qingdao Agricultural University
<b>2021103010</b>	Institute of Geology and Geophysics, Chinese Academy of Sciences	<b>2021103056</b>	Guangdong Hoshion Industrial Aluminum Co., Ltd.
<b>2021103011</b>	GDH Mining and Maintenance Pty Ltd	<b>2021103057</b>	Nanjing Institute of Agricultural Mechanization, Ministry of Agriculture and Rural Affairs
<b>2021103012</b>	Nanchang University	<b>2021103058</b>	Guangdong Hoshion Industrial Aluminum Co., Ltd.
<b>2021103013</b>	Nanchang University	<b>2021103059</b>	Lonman Auto Accessories Co., Ltd
<b>2021103014</b>	NRW Holdings	<b>2021103060</b>	Lonman Auto Accessories Co., Ltd
<b>2021103015</b>	Acharya, B.; Makkar, S.; Dash, S.; Dash, S.S.; Goyal, M.; Imam, H.; Pathak, A.; Dhanuka, A.; Sabata, S.; Bholra, E.A.	<b>2021103061</b>	Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton & Bast Fiber Crops Research); School of Life Sciences and Technology, Tongji University
<b>2021103016</b>	Xuzhou University of Technology; Xuzhou Meizike Animal Husbandry Technology Co., Ltd.	<b>2021103062</b>	DEKA AUSTRALIA PTY LTD
<b>2021103017</b>	Xuzhou University of Technology; Xuzhou Meizike Animal Husbandry Technology Co., Ltd.	<b>2021103063</b>	Huaneng Hubei Clean Energy Co., Ltd.; Wuhan University
<b>2021103018</b>	Srivastava, K.; Shekokar, N.; Aher, P.	<b>2021103064</b>	Chongqing Electric Power College Co., Ltd.; Hanlanlvdi-an Solid Waste Treatment (Foshan) Co., Ltd. 2nd
<b>2021103019</b>	Mukherjee, S.; Bose, R.; Roy, S.; Sarddar, D.; Mondal, H.	<b>2021103065</b>	China Railway 18th Bureau Group Co., Ltd.; International company, China Railway 18th Bureau Group Co., Ltd.
<b>2021103020</b>	Rao, K.; Shrivastava, A.; Borole, Y.D.; T., S.; Kumar, K.; Singh, A.K.; Shaw, R.N.; Ghosh, A.; Kumar, Y.; Pallathadka, H.; Jain, V.; Kumar, T.R.	<b>2021103066</b>	Jiangxi Agricultural University
<b>2021103021</b>	Northeast Agricultural University; Harbin University of Science and Technology	<b>2021103067</b>	Samathy, B.; Raj, K.B.; Kumar, P.; Jayashree, D.; Periyasamy, P.; Kumar, S.A.; Mehta, N.; ANGADI, S.; Dule, C.S.; K. M., P.R.; Kumar, C.; Karthikeyan, M.; Kavita, K.; Manjunath, T.C.; G., P.; Manoharan, H.
<b>2021103022</b>	Fan, X.	<b>2021103068</b>	Affiliated Hospital of YouJiang Medical University for Nationalities
<b>2021103023</b>	Sichuan Animatech Feed Co., Ltd	<b>2021103069</b>	Affiliated Hospital of YouJiang Medical University for Nationalities
<b>2021103024</b>	BOYD, C.	<b>2021103070</b>	Bonde, C.; Balaramnavar, V.M.; Bonde, S.; Sharma, M.
<b>2021103025</b>	Jones, A.	<b>2021103071</b>	KAUSHIK, S.; DEVI, A.; KUMAR, A.; KUMAR, H.; , M.; YADAV, S.; SHIVEN, A.; RANI, N.; DIWEDI, R.; BATTINENI, J.K.; HAQUE, M.A.
<b>2021103026</b>	Xuzhou University of Technology	<b>2021103072</b>	Xuzhou University of Technology
<b>2021103027</b>	Qingdao Agricultural University; Shandong Tang Wang Carp Agricultural Development Co., Ltd	<b>2021103073</b>	V, V.; A, H.; B, L.; Mani, G.
<b>2021103028</b>	Tobacco Research Institute of Chinese Academy of Agricultural Sciences	<b>2021103074</b>	Xuzhou University of Technology
<b>2021103029</b>	Chigombe, S.	<b>2021103075</b>	Devaneyan, S.P.; Virmani, T.; Naresh Babu, M.; Pushpanathan, D.P.; Gangadhar Naranje, V.; M Rathod, J.; S, L.; Sharma, R.; Pralhadrao Kadam, V.; Jogpal, V.; Kumar, A.; Chandra Panda, R.
<b>2021103030</b>	Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences	<b>2021103076</b>	Datta MegheInstitute of Medical Sciences(DU); Sharad Pawar Dental College; Yeshwantrao Chavan College Of
<b>2021103031</b>	NRL Pharma, Inc.; Varinos, Inc.		
<b>2021103032</b>	Fiorini Packaging S.P.A.		
<b>2021103033</b>	HENDON SEMICONDUCTORS PTY LTD		
<b>2021103034</b>	SEDWYN Pty Ltd		
<b>2021103035</b>	Aidepingfang Health Technology (Shanghai) Co., Ltd.		
<b>2021103036</b>	Freshwater Fisheries Research Institute of Jiangsu province		
<b>2021103037</b>	Aidepingfang Health Technology (Shanghai) Co., Ltd.		
<b>2021103038</b>	Aidepingfang Health Technology (Shanghai) Co., Ltd.		



Innovation Patent Applications Filed - Numerical Index cont'd

	Engineering; Ravi Nair Physiotherapy college; Qureshi, I.; Khedkar, S.S.; Fulzele, P.		Engineering; Ravi Nair Physiotherapy college; Naqvi, W.; Vaidya, L.
<b>2021103077</b>	Datta MeghelInstitute of Medical Sciences(DU); Sharad Pawar Dental College; Yeshwantrao ChavanCollege Of Engineering; Tiwari, M.M.; Jadhav, V.V.; Thote, A.; Kamble, R.; Daigavane, P.	<b>2021103110</b>	Datta Meghe Institute of Medical Sciences; Sharad Pawar Dental College; Yeshwantrao ChavanCollege Of Engineering; Datta Meghe College of Pharmacy; Warokar, A.S.; Deshmukh, M.; Amnerkar, N.D.; Mahajan, U.N.; Duragkar, N.J.
<b>2021103078</b>	Datta MeghelInstitute of Medical Sciences(DU); Sharad Pawar Dental College; Yeshwantrao ChavanCollege Of Engineering; Murarka, S.P.; Shrivastav, S.	<b>2021103111</b>	Datta Meghe Institute of Medical Sciences; Sharad Pawar Dental College; Yeshwantrao Chavan College Of Engineering; Fulzele, P.; Adakane, R.
<b>2021103079</b>	Datta MeghelInstitute of Medical Sciences(DU); Sharad Pawar Dental College; Yeshwantrao Chavan College Of Engineering; Mahatma Gandhi Ayurved College, Hospital And Research Centre; Wanjari, A.S.	<b>2021103112</b>	Datta Meghe Institute of Medical Sciences; Sharad Pawar Dental College; Yeshwantrao Chavan College Of Engineering; Belkhode, V.; Nimonkar, S.; Dubey, S.
<b>2021103080</b>	Datta MeghelInstitute of Medical Sciences(DU); Jawaharlal Nehru Medical College; Yeshwantrao Chavan College Of Engineering; Nagpure, S.	<b>2021103113</b>	The Sun Lock Company Limited
<b>2021103081</b>	Datta MeghelInstitute of Medical Sciences(DU); Sharad Pawar Dental College; Yeshwantrao Chavan College Of Engineering; Mahatma Gandhi Ayurved College, Hospital & Research Centre; Thakre, R.A.; Khandare, K.B.	<b>2021103114</b>	BEDI, P.; S., P.; P., P.; BAJPAL, A.; CHAUHAN, D.; SINGH, J.; MITTAL, H.; MALIK, K.; SYED, H.; SRIVASTAVA, M.; SINGH, C.; BHATTACHARYA, S.
<b>2021103082</b>	Datta MeghelInstitute of Medical Sciences(DU); Jawaharlal Nehru Medical College; Yeshwantrao Chavan College Of Engineering; Shrivastava, S.; Shrivastava, P.	<b>2021103115</b>	Xuzhou University of Technology
<b>2021103083</b>	Shandong Agriculture University	<b>2021103116</b>	Xuzhou University of Technology
<b>2021103084</b>	Chanda, K.; Sen, P.; Mondal, H.; Roy, S.; Bose, R.; Nandan, M.	<b>2021103117</b>	Datta Meghe Institute of Medical Sciences; Jawaharlal Nehru Medical College; Yeshwantrao Chavan College Of Engineering; Zahiruddin, Q.S.; Singhal, D.; Saxena, D.; Khatib, N.; Aidhane, S.
<b>2021103085</b>	Marriwala, N.; Mahajan, R.; Gurikar, A.; Ahmad, N.; Ahila Devi, E.; Sangwan, A.; Sharma, R.; Thakur, D.; Gopal, M.K.; Rathore, D.; Gangaprasad, T.; Ky, P. Rahman, I.; Dev, N.; Arif, M.; Azam, A.	<b>2021103118</b>	Xuzhou University of Technology
<b>2021103086</b>	Hangyin Consumer Finance Co Ltd	<b>2021103119</b>	BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY BATHINDA
<b>2021103087</b>	XUZHOU UNIVERSITY OF TECHNOLOGY	<b>2021103120</b>	BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY BATHINDA
<b>2021103088</b>	Blinkhorne, B.	<b>2021103121</b>	BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY BATHINDA
<b>2021103089</b>	Institute of Animal Husbandry and Veterinary Medicine, Academy of Agriculture and Animal Husbandry, Tibet Autonomous Region; Guangdong Ocean University; Zhanjiang Experimental Station, Chinese Academy of Tropical Agricultural Sciences; Academy of Agriculture and Animal Husbandry of Tibet Autonomous Region	<b>2021103122</b>	Xuzhou University of Technology
<b>2021103090</b>	Qilu University of Technology; Shandong Environmental Protection Industry Research Institute; Fujian Agriculture and Forestry University	<b>2021103123</b>	Xuzhou University of Technology
<b>2021103091</b>	MercuryPM Pty Ltd	<b>2021103124</b>	Lovely Professional University
<b>2021103092</b>	Shandong Hi-Speed Weiri Expressway Co., Ltd.; Shandong University	<b>2021103125</b>	Lovely Professional University
<b>2021103093</b>	Travers, A.; Williams, K.	<b>2021103126</b>	Lovely Professional University
<b>2021103094</b>	Travers, A.; Williams, K.	<b>2021103127</b>	Lovely Professional University
<b>2021103095</b>	Doolan, L.	<b>2021103128</b>	Lovely Professional University
<b>2021103096</b>	Carey Bros. Construction Pty Ltd	<b>2021103129</b>	Lovely Professional University
<b>2021103097</b>	Castelli, V.M.	<b>2021103130</b>	Rajeswari, M.; Vaduganathan, D.; Sureshkumar, A.; Aswiga, R.; Priya, S.; Vijikala, V.; Sahaya Dhas, D.A.; Divya, R.; T D, P.; Baby Joseph, R.
<b>2021103098</b>	Ecology Institute of Shandong Academy of Sciences (China-Japan Friendship Biotechnology Research Center, Shandong Academy of Sciences)	<b>2021103131</b>	Masood, S.; Mufazzal, S.; Khan, N.Z.; Muzakkir, S.M.; Khan, Z.A.; Tauheed Khan, M.
<b>2021103099</b>	Ecology Institute of Shandong Academy of Sciences (China-Japan Friendship Biotechnology Research Center, Shandong Academy of Sciences)	<b>2021103132</b>	Badashah, S.J.; Naidu, S.; Senapati, M.R.; Garladinne, R.; Khamuruddeen, S.; Murthy, N.S.; Rammurthy, D.; Gagnani, L.P.; Satpathy, R.; Jaiswal, T.; Jaiswal, S.; Reddy, A.
<b>2021103100</b>	ChongQing Academy of Animal Sciences	<b>2021103133</b>	INSTITUTE OF ANIMAL SCIENCES CAAS,CHINESE ACADEMY OF AGRICULTURAL SCIENCES
<b>2021103101</b>	Affiliated Hospital of YouJiang Medical University for Nationalities	<b>2021103134</b>	INSTITUTE OF ANIMAL SCIENCES CAAS,CHINESE ACADEMY OF AGRICULTURAL SCIENCES
<b>2021103102</b>	ChongQing Academy of Animal Sciences	<b>2021103135</b>	Tharewal, S.S.; Mannan, A.H.A.; Bukhari, S.N.H.; Patro, R.R.; Patro, R.; Tiwari, K.; Nigam, U.; Barot, P.A.; Barak, D.D.; Degadwala, S.; Singh, Y.
<b>2021103103</b>	JHA, N.; FERNANDES, R.A.P.; JADIA, A.B.	<b>2021103136</b>	GUPTA, B.B.; SAHOO, S.R.; YAMAGUCHI, S.; GUPTA, D.
<b>2021103104</b>	Affiliated Hospital of YouJiang Medical University for Nationalities	<b>2021103137</b>	GUPTA, B.B.; SAHOO, S.R.; YAMAGUCHI, S.; GUPTA, D.
<b>2021103105</b>	ChongQing Academy of Animal Sciences	<b>2021103138</b>	Jain, P.; Temburne, J.; Jain, T.; Diwan, T.
<b>2021103106</b>	ChongQing Academy of Animal Sciences	<b>2021103139</b>	Mozafari, M.; Ghasemi, S.; Neleptchenko Wintrasiri, M.; Mousavizadeh, L.
<b>2021103107</b>	D, K.; Zeeshan, G.A.; Sinha, N.; Sundaraguru, R.; Yashwanth, N.; Nagesh, K.N.; Chiranth, R.; Aravind, B.N.; Yogeshwary, B.H.; Krishnajegan, S.P.; HumCen Global (P) Ltd	<b>2021103140</b>	Dash, S.; Mago, B.; Mahdi, H.F.; Dhanuka, A.; Mohanty, P.; Acharya, B.; Sharma, D.P.; Mohanty, D.; Sabata, S. Khattri, V.; Nayak, S.K.; Singh, D.K.
<b>2021103108</b>	Datta Meghe Institute of Medical Sciences; Sharad Pawar Dental College; Yeshwantrao Chavan College Of	<b>2021103141</b>	Pallathadka, H.; Das, G.; Shree, N.S.; Gobbilla, U.; Ram, S.T.; Dhiman, V.; Arora, S.; Sharma, M.; Rengarajan, P.; Murugan, V.; Shrivastava, A.; Kumar, T.R.
<b>2021103109</b>	Datta Meghe Institute of Medical Sciences; Sharad Pawar Dental College; Yeshwantrao Chavan College Of	<b>2021103142</b>	Affiliated Hospital of YouJiang Medical University for Nationalities
		<b>2021103143</b>	Affiliated Hospital of YouJiang Medical University for Nationalities
		<b>2021103144</b>	Affiliated Hospital of YouJiang Medical University for Nationalities

Innovation Patent Applications Filed - Numerical Index cont'd

2021103145	Affiliated Hospital of Youjiang Medical University for Nationalities	2021103193	Polar Research Institute of China
2021103146	Jiuhe Tongchuang Carbon Gold (Ningxia) New Material Technology Co., Ltd.	2021103194	Jeevanandan, G.; V., D.
2021103147	Institute of Agricultural Resources and Regional Planning	2021103195	Totewad, N.D.; Saranraj, P.; Nile, S.H.; Manjramkar, V.; Marakwad, T.R.; Bhalerao, A.L.
2021103148	KANG, C.G.	2021103196	Jain, D.; Jain, S.; Manoria, M.; Jain, S.
2021103149	Institute of Agricultural Resources and Regional Planning	2021103197	Chongyi Zhangyuan Tungsten Co., Ltd; Gannan University of Science and Technology
2021103150	China University of Petroleum (East China)	2021103198	Likai, F.
2021103151	Zhejiang Chinese Medical University	2021103199	Gansu Agricultural University
2021103152	Lei, C.; Haiyan, X.; Yonghong, L.	2021103200	HUTCHISON WHAMPOA GUANGZHOU BAIYUNSHAN CHINESE MEDICINE COMPANY LIMITED
2021103153	Chongqing Normal University	2021103201	Yangzhou University
2021103154	Xi'an Jiaotong University; National Grid Corporation Northwest Branch	2021103202	LifePoint International Pty Ltd
2021103155	Jiangxi Agricultural University	2021103203	Harbin Engineering University
2021103157	Chengdu University of Technology	2021103204	Xi'an Jiaotong University
2021103158	Fraser, M.	2021103205	Chongqing Technology and Business University; Chongqing Technology and Business University Technology Development Co., Ltd
2021103159	Foss Analytical A/S	2021103206	Hangzhou Hongliang Technology Co., LTD
2021103160	Beijing Municipal Research Institute of Environmental Protection	2021103207	Idea Athletic Pty Ltd
2021103161	Bauer, R.	2021103208	Buttriss, J.
2021103162	A-SHA REPUBLIC INC.	2021103209	Bailey Outdoor Advertising Pty Ltd
2021103163	A-SHA REPUBLIC INC.	2021103210	Yang, J.
2021103164	Apple Inc.	2021103211	OXTI CORPORATION
2021103165	Mahdi, H.F.; Bhola, E.A.; Sabata, S.; Alwan, M.H.; Dhannuka, A.; Mohanty, P.; Mohanty, D.; Dash, S.; Acharya, B.	2021103212	Xinjiang Institute of Ecology and Geography
2021103166	A-SHA REPUBLIC INC.	2021103213	Saidian, S.
2021103167	Singh, Y.; Aggarwal, A.; Sharma, N.; Singh, N.; Kumar, M.; Arora, R.; Setia, U.; Rani, P.; Singh, K.; Dandeva, D.; Barak, D.; Kumar, V.	2021103214	Saidian, S.
2021103168	Harbin PROSYN Unite Biological Feed Co., Ltd	2021103215	Loopi Labs Pty Ltd
2021103169	Parashar, J.; Hashmi, A.; Bhat, B.R.; Bhatia, B.; Padma, M.; Raju, P.; Christobel, Y.A.; Chiwariro, R.; Sree, P.K.; devi, M.R.; Tamizharasan, A.; Santhanalakshmi, P.	2021103216	Goyal, S.B.; Kumar, J.; Singhal, N.; Kumar, R.; Patnaik, P.; K. N., B.; Rani, U.; , R.; Kumar, D.; Rai, J.
2021103170	Thakur, K.; Pandey, S.P.	2021103217	ASTED Pty Ltd
2021103171	Singh, S.; Indra, G.; Singh, R.; Singh, B.; Agarwal, R.; Vemu, V.; Kediya, S.; M., R.; Raut, T.	2021103218	Lendvaj, M.
2021103172	Kero, A.; Satheesha, T.Y.; Surana, A.; Gandhi, G.C.; Satpathy, S.; Chordiya, S.B.; Raj, B.; Singh, P.K.; Singh, P.N.; Sarkar, B.K.	2021103224	Johri, P.; Dhanaraj, R.K.; Kumar, A.; Goel, P.; Sharma, D.; Gupta, V.; Saxena, V.S.; Singh, N.; Kumud, ..; Singh, R.V.
2021103173	Varshney, T.; Shrivastava, A.; Pratap, B.; Kumar, B.; Kumar, P.; Sharma, R.; Tirth, V.	2021103225	Barak, D.; Singh, K.; , S.; Kumar, N.; Kumar, D.; Kumar, M.; Pandey, M.; Shehzad, M.; Anand, R.; Dalal, S.; Verma, N.; Quadir, A.; Singh, Y.; Kumar, V.
2021103175	Ballal, M.S.; Deshmukh, R.R.; Wakode, S.A.; Verma, S.R.	2021103226	Muduli, K.; Mohamaed, A.; Das, R.P.; Dash, M.
2021103176	Tripathi, A.O.; Kale, S.S.; Chavan, N.R.; Kalaskar, R.R.; Rathod, R.R.; Ghawde, R.S.; Patil, S.C.; Tiwari, A.V.	2021103227	Taiyuan University of Science and Technology
2021103177	SAMROT, A.V.; N., S.; ABIRAMI, S.; DHIVA, S.; REMYA, R.R.; PULLY, D.; J, L.A.A.	2021103228	Geobotica Pty Ltd
2021103178	Mukati, N.; Deshpande, M.; Shrivastava, A.; Namdev, N.; Namdev, S.; Tiwari, S.; Vajpayee, A.; Bhandari, A.S.; Pallathadka, H.; Ahluwalia, P.S.; Chauhan, D.; Kumar, T.R.	2021103229	SOURCE GLOBAL PTY. LTD.
2021103179	Baise University	2021103230	Zhongkai University of Agriculture and Engineering; Hui, J.
2021103180	Xi'an Jiaotong University; National Grid Corporation Northwest Branch	2021103231	Engineering Research Center for Waste Oil Recovery Technology and Equipment, Ministry of Education, Chongqing Technology and Business Univer; Chongqing Technology and Business University, S&T Developing Ltd.
2021103181	Beijing University of Civil Engineering and Architecture; State Key Laboratory in China for GeoMechanics and Deep Underground Engineering	2021103232	Engineering Research Center for Waste Oil Recovery Technology and Equipment, Ministry of Education, Chongqing Technology and Business Univer; Chongqing Technology and Business University, S&T Developing Ltd.
2021103182	Inner Mongolia Medical University	2021103233	Frugalpac Limited
2021103183	Xi'an Jiaotong University; National Grid Corporation Northwest Branch	2021103234	Taiyuan Institute of Technology; China Institute for Radiation Protection
2021103184	Inner Mongolia Medical University	2021103235	Sabharwal, M.; Ghazal, T.; Vij, M.; Vij, A.; Anand, D.; Balusamy, B.; Dhanaraj, R.K.
2021103185	Guangxi Academy of Agricultural Sciences	2021103236	Fitbeat Australia Pty Ltd
2021103186	Yantai changhong plastic products co.,LTD	2021103237	Tuff Tonneaus Wholesale Pty Ltd
2021103187	Ampfibian Holdings Pty Ltd	2021103238	HUNAN ANMIN SCIENCE AND TECHNOLOGY CO., LTD.
2021103188	Ocvitti Pty Ltd	2021103239	QINGDAO AGRICULTURAL UNIVERSITY; QINGDAO LIBANG GAODE PEST CONTROL CO., LTD
2021103189	Central South University	2021103240	MUTHU PERUMAL, C.
2021103190	OXTI CORPORATION	2021103241	Samuel, M.S.; Khandge, R.S.; Chandrasekar, N.; Balaji, R.; Selvarajan, E.
2021103191	Cycliq Products Pty Ltd	2021103242	Asthana, S.; Krishna, K.M.; Rammurthy, D.; Bhojaraj Ingale, K.; Jaiswal, S.; Ghosh, A.; Sahu, B.; Jaiswal, T.; Chouhan, K.; Bhattacharya, S.; Pallathadka, H.; Shrivastava, A.
2021103192	Sunderland Trading Co Pty Ltd		

**Innovation Patent Applications Filed - Numerical Index cont'd**

<b>2021103249</b>	Ahmad, S.; Mehfuz, S.; Vetriselvi, T.; Anveshini, D.; Senapati, M.R.; Raghavarao, Y.V.; Satpathy, R.; Deva- raju, S.; Srinivas, M.; Jaiswal, S.; Jaiswal, T.; G., P.	<b>2021103250</b>	Hangzhou Fudemin Biotechnology Co., Ltd.
		<b>2021103251</b>	Xi'an Jiaotong University; National Grid Corporation Northwest Branch

**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:

<b>Code</b>	<b>Meaning</b>
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

**2000**

2000020313 ( 14 )

**2001**

2001051839 ( 14 )	2001051854 ( 14 )	2001051876 ( 14 )
2001051877 ( 14 )	2001051891 ( 14 )	2001051905 ( 14 )
2001051913 ( 14 )	2001051923 ( 14 )	2001051950 ( 14 )
2001064368 ( 14 )	2001065682 ( 14 )	2001074099 ( 14 )
2001097055 ( 14 )	2001097110 ( 14 )	2001097149 ( 14 )
2001262578 ( 14 )	2001262579 ( 14 )	2001262580 ( 14 )
2001263962 ( 14 )	2001264089 ( 14 )	2001264247 ( 14 )
2001264260 ( 14 )	2001264280 ( 14 )	2001265670 ( 14 )
2001265672 ( 14 )	2001265676 ( 14 )	2001266066 ( 14 )
2001266144 ( 14 )	2001266824 ( 14 )	2001266885 ( 14 )
2001266907 ( 14 )	2001267051 ( 14 )	2001267066 ( 14 )
2001267199 ( 14 )	2001267665 ( 14 )	2001267945 ( 14 )
2001268337 ( 14 )	2001268377 ( 14 )	2001268379 ( 14 )
2001268409 ( 14 )	2001269775 ( 14 )	2001271310 ( 14 )
2001272463 ( 14 )	2001275458 ( 14 )	2001278450 ( 14 )
2001279646 ( 14 )	2001279661 ( 14 )	

**2002**

2002015432 ( 14 )	2002216201 ( 14 )	2002217170 ( 14 )
2002217621 ( 14 )	2002219162 ( 14 )	2002220362 ( 14 )
2002221564 ( 14 )	2002222086 ( 14 )	2002222733 ( 14 )
2002227015 ( 14 )	2002227060 ( 14 )	2002227340 ( 14 )
2002227860 ( 14 )	2002228908 ( 14 )	2002230664 ( 14 )
2002231697 ( 14 )	2002234535 ( 14 )	2002234561 ( 14 )
2002239408 ( 14 )	2002249796 ( 14 )	2002302002 ( 14 )
2002313852 ( 14 )	2002349071 ( 14 )	2002350304 ( 14 )
2002351213 ( 14 )	2002352216 ( 14 )	2002353059 ( 14 )
2002353486 ( 14 )	2002359622 ( 14 )	2002359900 ( 14 )
2002362038 ( 14 )	2002362051 ( 14 )	2002364949 ( 14 )
2002366602 ( 14 )	2002366603 ( 14 )	2002367998 ( 14 )

**2003**

2003266436 ( 14 )	2003266449 ( 14 )	2003285575 ( 14 )
2003288207 ( 14 )	2003294580 ( 14 )	2003294752 ( 14 )
2003294756 ( 14 )	2003297234 ( 14 )	2003298379 ( 14 )
2003298873 ( 14 )	2003302572 ( 14 )	

**2004**

2004233544 ( 14 )	2004235603 ( 14 )	2004235621 ( 14 )
2004235639 ( 14 )	2004235658 ( 14 )	2004294243 ( 14 )
2004295582 ( 14 )	2004295646 ( 14 )	2004296171 ( 14 )
2004296213 ( 14 )	2004296855 ( 14 )	2004297194 ( 14 )
2004297204 ( 14 )	2004297579 ( 14 )	2004297630 ( 14 )
2004297987 ( 14 )	2004298261 ( 14 )	2004305558 ( 14 )
2004309309 ( 14 )	2004315205 ( 14 )	2004318104 ( 14 )
2004325491 ( 14 )		

**2005**

2005200732 ( 14 )	2005234636 ( 14 )	2005239638 ( 14 )
2005239669 ( 14 )	2005239752 ( 14 )	2005242117 ( 14 )
2005310391 ( 14 )	2005310411 ( 14 )	2005310611 ( 14 )
2005310624 ( 14 )	2005311115 ( 14 )	2005311169 ( 14 )
2005311624 ( 14 )	2005311787 ( 14 )	2005311892 ( 14 )
2005311946 ( 14 )	2005312011 ( 14 )	2005312442 ( 14 )
2005313127 ( 14 )	2005313184 ( 14 )	2005313193 ( 14 )
2005313340 ( 14 )	2005313481 ( 14 )	2005313528 ( 14 )
2005313564 ( 14 )	2005313575 ( 14 )	2005313716 ( 14 )
2005315921 ( 14 )	2005319472 ( 14 )	2005321731 ( 14 )
2005325858 ( 14 )	2005338649 ( 14 )	

**2006**

2006220405 ( 14 )	2006246449 ( 14 )	2006246481 ( 14 )
2006246488 ( 14 )	2006246501 ( 14 )	2006249220 ( 14 )
2006319764 ( 14 )	2006320316 ( 14 )	2006320324 ( 14 )
2006320431 ( 14 )	2006320516 ( 14 )	2006320577 ( 14 )
2006321957 ( 14 )	2006322176 ( 14 )	2006322907 ( 14 )
2006323492 ( 14 )	2006323842 ( 14 )	2006323999 ( 14 )
2006324156 ( 14 )	2006325043 ( 14 )	2006326264 ( 14 )
2006326266 ( 14 )	2006326345 ( 14 )	2006327876 ( 14 )
2006333303 ( 14 )	2006333352 ( 14 )	2006344478 ( 14 )
2006351469 ( 14 )	2006351500 ( 14 )	

**2007**

2007200123 ( 14 )	2007201245 ( 14 )	2007201783 ( 14 )
2007202324 ( 14 )	2007202555 ( 14 )	2007203378 ( 14 )
2007237331 ( 14 )	2007237348 ( 14 )	2007240167 ( 14 )
2007327150 ( 14 )	2007329243 ( 14 )	2007329318 ( 14 )
2007329897 ( 14 )	2007330306 ( 14 )	2007330702 ( 14 )
2007330805 ( 14 )	2007331762 ( 14 )	2007332189 ( 14 )
2007333249 ( 14 )	2007342241 ( 14 )	2007343186 ( 14 )
2007343360 ( 14 )	2007346691 ( 14 )	2007346783 ( 14 )
2007352394 ( 14 )	2007353164 ( 14 )	2007357066 ( 14 )

**2008**

2008200295 ( 14 )	2008207398 ( 14 )	2008229994 ( 14 )
2008252038 ( 14 )	2008255133 ( 14 )	2008255159 ( 14 )
2008255160 ( 14 )	2008255162 ( 14 )	2008264190 ( 14 )
2008331422 ( 14 )	2008331798 ( 14 )	2008331994 ( 14 )
2008332297 ( 14 )	2008333248 ( 14 )	2008333773 ( 14 )

2008334348 ( 14 )    2008335399 ( 14 )    2008335413 ( 14 )  
 2008340542 ( 14 )

**2009**

2009201522 ( 14 )    2009208127 ( 14 )    2009243424 ( 14 )  
 2009243426 ( 14 )    2009243434 ( 14 )    2009243470 ( 14 )  
 2009243492 ( 14 )    2009243520 ( 14 )    2009322055 ( 14 )  
 2009322184 ( 14 )    2009323051 ( 14 )    2009323318 ( 14 )  
 2009323748 ( 14 )    2009323838 ( 14 )    2009324086 ( 14 )  
 2009324088 ( 14 )    2009326190 ( 14 )    2009326253 ( 14 )  
 2009326257 ( 14 )    2009326933 ( 14 )    2009328678 ( 14 )  
 2009328679 ( 14 )    2009333653 ( 14 )    2009336040 ( 14 )  
 2009340369 ( 14 )    2009345285 ( 14 )    2009356146 ( 14 )  
 2009356195 ( 14 )

**2010**

2010241433 ( 14 )    2010246498 ( 14 )    2010246571 ( 14 )  
 2010246575 ( 14 )    2010249177 ( 14 )    2010249180 ( 14 )  
 2010249206 ( 14 )    2010323089 ( 14 )    2010326008 ( 14 )  
 2010326026 ( 14 )    2010327319 ( 14 )    2010327320 ( 14 )  
 2010327460 ( 14 )    2010328347 ( 14 )    2010328364 ( 14 )  
 2010328373 ( 14 )    2010328436 ( 14 )    2010328437 ( 14 )  
 2010328454 ( 14 )    2010328494 ( 14 )    2010329094 ( 14 )  
 2010329632 ( 14 )    2010329898 ( 14 )    2010329983 ( 14 )  
 2010330009 ( 14 )    2010330080 ( 14 )    2010332115 ( 14 )  
 2010332148 ( 14 )    2010333132 ( 14 )    2010333868 ( 14 )  
 2010333869 ( 14 )    2010337233 ( 14 )    2010337255 ( 14 )  
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 2010355675 ( 14 )    2010364957 ( 14 )

**2011**

2011204942 ( 14 )    2011204947 ( 14 )    2011205021 ( 14 )  
 2011205054 ( 14 )    2011205152 ( 14 )    2011235920 ( 14 )  
 2011253739 ( 14 )    2011253764 ( 14 )    2011253803 ( 14 )  
 2011253831 ( 14 )    2011253838 ( 14 )    2011253873 ( 14 )  
 2011253879 ( 14 )    2011334640 ( 14 )    2011334678 ( 14 )  
 2011334864 ( 14 )    2011334961 ( 14 )    2011335415 ( 14 )  
 2011335519 ( 14 )    2011335885 ( 14 )    2011335886 ( 14 )  
 2011336470 ( 14 )    2011336505 ( 14 )    2011336538 ( 14 )  
 2011336553 ( 14 )    2011336736 ( 14 )    2011336778 ( 14 )  
 2011337563 ( 14 )    2011338549 ( 14 )    2011338685 ( 14 )  
 2011338715 ( 14 )    2011340200 ( 14 )    2011340524 ( 14 )  
 2011340576 ( 14 )    2011340630 ( 14 )    2011341155 ( 14 )  
 2011341430 ( 14 )    2011341468 ( 14 )    2011341472 ( 14 )  
 2011341495 ( 14 )    2011341525 ( 14 )    2011344470 ( 14 )  
 2011344471 ( 14 )    2011349863 ( 14 )    2011349864 ( 14 )  
 2011349866 ( 14 )    2011349867 ( 14 )    2011353034 ( 14 )  
 2011353036 ( 14 )    2011353661 ( 14 )    2011360633 ( 14 )  
 2011371064 ( 14 )    2011372577 ( 14 )

**2012**

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**2013**

2013100809 ( 22 )    2013100817 ( 22 )    2013100818 ( 22 )  
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 2013101751 ( 22E )    2013101784 ( 22 )    2013101808 ( 22 )  
 2013202559 ( 14 )    2013202707 ( 14 )    2013203578 ( 14 )  
 2013257535 ( 14 )    2013263858 ( 14 )    2013266971 ( 14 )  
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 2013351120 ( 14 )    2013353836 ( 14 )    2013353933 ( 14 )  
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 2013363510 ( 14 )    2013363519 ( 14 )    2013363552 ( 14 )  
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**2014**

2014100627 ( 22 )    2014101440 ( 22E )    2014271298 ( 14 )  
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 2014359184 ( 14 )    2014359185 ( 14 )    2014359186 ( 14 )  
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 2014359381 ( 14 )    2014360255 ( 14 )    2014360273 ( 4C )  
 2014360469 ( 14 )    2014360502 ( 14 )    2014360629 ( 14 )  
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**2015**

2015101746 ( 22E )    2015101749 ( 22E )    2015201181 ( 5C )  
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 2015352119 ( 5C )    2015355076 ( 14 )    2015355180 ( 4C )  
 2015355237 ( 14 )    2015355280 ( 5C )    2015355668 ( 14 )  
 2015356641 ( 14 )    2015356977 ( 14 )    2015357171 ( 14 )  
 2015357516 ( 4C )    2015358251 ( 4C )    2015358378 ( 4C )  
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 2015359124 ( 14 )    2015359125 ( 14 )    2015360193 ( 14 )  
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**2016**

2016102052 ( 22E )    2016102061 ( 22E )    2016102062 ( 22E )  
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**2017**

2017101287 ( 22E ) 2017101676 ( 22E ) 2017101677 ( 22E )  
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**2018**

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 2018369341 ( 5C )

**2019**

2019200254 ( 4C ) 2019200313 ( 5C ) 2019201952 ( 5C )  
 2019202705 ( 5C ) 2019202829 ( 5C ) 2019203136 ( 5C )  
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 2019219772 ( 5C ) 2019219846 ( 5C ) 2019232892 ( 5C )  
 2019232933 ( 5C ) 2019236739 ( 5C ) 2019250271 ( 4C )  
 2019257450 ( 5C ) 2019261741 ( 5C ) 2019264583 ( 5C )  
 2019264653 ( 4C ) 2019268043 ( 5C ) 2019268109 ( 4C )  
 2019275649 ( 5C ) 2019275666 ( 5C ) 2019275675 ( 5C )

**2020**

2020102130 ( 21F ) 2020102416 ( 21F ) 2020202471 ( 5C )  
 2020203195 ( 5CN ) 2020294255 ( 12AN ) 2020902024 ( 12AN )  
 2020902076 ( 12AN ) 2020902107 ( 12AN ) 2020902287 ( 12AN )

**2021**

2021100245 ( 18AN ) 2021101434 ( 18AN ) 2021101441 ( 18AN )  
 2021101466 ( 18AN ) 2021102761 ( 12AN ) 2021102787 ( 12AN )  
 2021201757 ( 1B ) 2021201760 ( 1B ) 2021201774 ( 7A )  
 2021201803 ( 1B ) 2021201854 ( 7AN ) 2021901209 ( 12AN )

**Assignments before Grant, Section 113**

**2016**

2016245331 Fero Group Pty Ltd The application has been assigned to **DYWIDAG-Systems International Pty Limited**

2016287484 First Ray, LLC The application has been assigned to **Nextremity Solutions, Inc.**

2016290892 Fero Group Pty Ltd The application has been assigned to **DYWIDAG-Systems International Pty Limited**

2016336593 IP Full Asset Limited The application has been assigned to **LIW Patent Company Limited by Guarantee**

2016380280 Agios Pharmaceuticals, Inc. The application has been assigned to **Les Laboratoires Servier SAS**

**2017**

2017218453 Fero Strata Systems Pty Ltd The application has been assigned to **DYWIDAG-Systems International Pty Limited**

2017266787 IP Full Asset Limited The application has been assigned to **LIW Patent Company Limited by Guarantee**

**Assignments before Grant, Section 113**

2017322397 Atara Biotherapeutics, Inc.; The Council of the Queensland Institute of Medical Research The application has been assigned to **The Council of the Queensland Institute of Medical Research**

**2018**

2018207582 Curtin University of Technology The application has been assigned to **Hyprfire Pty Ltd**

2018220072 Data Republic Pty Ltd The application has been assigned to **IXUP IP Pty Ltd**

2018424859 Sorin Group Italia S.r.l. The application has been assigned to **Corcym S.r.l.**

2018424862 Sorin Group Italia S.r.l. The application has been assigned to **Corcym S.r.l.**

2018424863 Sorin Group Italia S.r.l. The application has been assigned to **Corcym S.r.l.**

2018424864 Sorin Group Italia S.r.l. The application has been assigned to **Corcym S.r.l.**

2018435607 Sorin Group Italia S.r.l. The application has been assigned to **Corcym S.r.l.**

**2019**

2019203181 Cour Pharmaceuticals Development Company The application has been assigned to **onCOUR Pharma, Inc.**

2019203824 Tyco Fire & Security GmbH The application has been assigned to **Sensormatic Eletronics LLC**

2019223645 aCon A/S The application has been assigned to **Swip-Box Development ApS**

2019223906 Agios Pharmaceuticals, Inc. The application has been assigned to **Les Laboratoires Servier SAS**

2019272603 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019272604 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019272607 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019272654 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019300543 Evermore United S.A. The application has been assigned to **Ecoppia Scientific LTD**

2019310632 Wavin B.V. The application has been assigned to **PR Licensing B.V.**

**Assignments before Grant, Section 113**

2019319671 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019319672 Jupeng Bio, Inc. The application has been assigned to **Jupeng Bio (HK) Limited**

2019351889 Tornier, Inc. The application has been assigned to **HOWMEDICA OSTEONICS CORP.**

2019352591 Tornier, Inc. The application has been assigned to **HOWMEDICA OSTEONICS CORP.**

2019354369 Tornier, Inc. The application has been assigned to **HOWMEDICA OSTEONICS CORP.**

2019354606 Tornier, Inc. The application has been assigned to **HOWMEDICA OSTEONICS CORP.**

2019365399 Novozymes A/S; OrganoBalance GmbH The application has been assigned to **Novozymes A/S**

2019900068 Connor, Neale Leslie The application has been assigned to **Solstice Industries Pty Ltd**

**2020**

2020201155 Fero Strata Systems Pty Ltd The application has been assigned to **DYWIDAG-Systems International Pty Limited**

2020203637 TRIUMF The application has been assigned to **TRIUMF Inc.**

2020900491 Fortescue Metals Group Ltd The application has been assigned to **Fortescue Future Industries Pty Ltd**

2020902241 Mountain Road Holdings Pty Ltd The application has been assigned to **Mountain Road Trading Pty Ltd**

2020903490 Shewbox Pty Ltd The application has been assigned to **Trisco ICAP Pty Ltd**

2020903762 Leneveu, Aurélie; Robertson, Nicola; Chen, Biye; FONTERRA CO-OPERATIVE GROUP LIMITED The application has been assigned to **FONTERRA CO-OPERATIVE GROUP LIMITED**

2020903801 edwards, geoffrey The application has been assigned to **Sicona Battery Technologies Pty Ltd**

2020903802 edwards, geoffrey The application has been assigned to **Sicona Battery Technologies Pty Ltd**

2020903804 edwards, geoffrey The application has been assigned to **Sicona Battery Technologies Pty Ltd**

**2021**

2021900472 Aurora IP Ltd The application has been assigned to **McNicol, Marc**

**Assignments before Grant, Section 113**

2021901035 **OBRUCHKOV, Sergei; LITTLE, Alice** The application has been assigned to **Victoria Link Limited**

**Extensions of Time, Section 223**

**Applications Received**

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

**2006**

2006287119 **Will, A.** An application to extend the time from 31 Aug 2020 to 31 Mar 2021 in which to pay a renewal fee has been filed . Address for service - Griffith Hack GPO Box 3125 Brisbane QLD 4001 AU

**2007**

2007289452 **Arc Innovations Limited** An application to extend the time from 31 Aug 2019 to 31 Mar 2021 in which to pay a renewal fee has been filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**2008**

2008241425 **RS Microwave Company, Inc.** An application to extend the time from 18 Apr 2020 to 18 Jun 2021 in which to pay a renewal fee has been filed . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

**2012**

2012342354 **Tomra Sorting Limited** An application to extend the time from 26 Nov 2019 to 26 Dec 2020 in which to pay the renewal fee has been filed . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2013**

2013312198 **Dow AgroSciences LLC** An application to extend the time from 09 Sep 2020 to 09 May 2021 in which to pay a renewal fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

**2014**

2014289975 **Shomi Pty Ltd** An application to extend the time from 04 Jul 2020 to 04 Mar 2021 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2016**

2016201611 **Specky Promotions Pty Ltd** An application to extend the time from 30 Sep 2020 to 30 Apr 2021 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016253530 **Sensient Flavors Limited** An application to extend the time from 12 Apr 2020 to 12 Apr 2021 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

**2018**

2018201166 **Elevare Energy IP Pty Ltd** An application to extend the time from 22 Nov 2020 to 22 Jun 2021 in which to pay a renewal fee

**Extensions of Time, Section 223**

has been filed . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2020**

2020220048 **Revitope Limited** An application to extend the time from 18 Nov 2020 to 18 Jun 2021 in which to pay a continuation fee has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

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

**2012**

2012283757 **VRM International Pty Ltd** The time in which to pay a renewal fee has been extended to 12 Apr 2021 . Address for service - KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD PO Box 128 Aspley QLD 4034 AU

**2015**

2015355644 **Johnson And Nicholson (M) Sdn Bhd** The time in which to gain acceptance has been extended to 03 Aug 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd Level 15 241 Adelaide Street BRISBANE QLD 4000 AU

**2016**

2016222830 **BioAtla LLC** The time in which to make a further application for a divisional patent has been extended to 25 Jun 2021 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2016379346 **Zogenix International Limited** The time in which to pay the acceptance fee has been extended to 18 Jun 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2017**

2017283677 **Mirage Ltd** The time in which to request examination has been extended to 23 Jun 2021 . Address for service - Alder IP Pty Ltd Suite 202 24 Thomas Street CHATSWOOD NSW 2067 AU

2017285206 **Riddle Institute for Regenerative Medicine** The time in which to request examination has been extended to 16 Jun 2021 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2019**

2019314263 **PCP TACTICAL, LLC; PADGETT, Charles** The time in which to enter the National Phase has been extended to 28 May 2021 . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

2019353665 **PAUL HARTMANN AG** The time in which to enter the National Phase has been extended to 01 Jun 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2019375546 **FORCE HOOKS PTY LTD; NIMPHIUS, Sophia** The time in which to enter the National Phase has been extended to 07 Jul 2021 . Address for service - Jason Christopher John Ager 1 Warrior court Padbury WA 6025 AU



**Extensions of Time, Section 223**

**2020**

2020289844 **Poole, A.** The time in which to comply with a direction under Reg 3.2A has been extended to 08 Apr 2021 . Address for service - Angela Poole 99 Napoleon Street Eltham VIC 3095 AU

**Section 223(1) Allowances**

**2019**

2019203677 **AQUATICA NZ LIMITED** The time in which to gain acceptance has been extended to 09 Jul 2021

**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.

**2013**

2013356788 Medical tubes and methods of manufacture **Fisher & Paykel Healthcare Limited** The nature of the amendment is as shown in the statement(s) filed 19 May 2021 . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

**2015**

2015322658 Method for measuring reactivity of FVIII **Chugai Seiyaku Kabushiki Kaisha** The nature of the amendment is as shown in the statement(s) filed 17 Jun 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2016**

2016255434 Azabenzimidazoles and their use as AMPA receptor modulators **Janssen Pharmaceutica NV** The nature of the amendment is as shown in the statement(s) filed 27 May 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016256717 System and method for applying aggregated cable test result data **Fluke Corporation** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2016334120 Cloud based system and method for managing messages regarding cable test device operation **Fluke Corporation** The nature of the amendment is as shown in the statement(s) filed 11 Jun 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

**2018**

2018201733 Wear part monitoring **ESCO Group LLC** The nature of the amendment is as shown in the statement(s) filed 15 Apr 2021 . Address for service - MINTER ELLISON Rialto Towers 525 Collins Street Melbourne VIC 3000 AU

2018267537 PRECISION AGRICULTURE SYSTEM **Accenture Global Solutions Limited** The nature of the amendment is: Add ap-

**Amendments**

plicant Accenture Global Services Limited . Address for service - Murray Trento & Associates Pty Ltd PO Box 191 Surrey Hills VIC 3127 AU

2018304477 Apparatus and method for regulating flow from a geological formation **Forum US, Inc.** The nature of the amendment is as shown in the statement(s) filed 11 May 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019100798 COMPOSITE STRUCTURAL MEMBER FOR A BUILDING STRUCTURE **Auvenco Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 25 May 2021 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

2019215342 Four-input Josephson gates **Northrop Grumman Systems Corporation** The nature of the amendment is as shown in the statement(s) filed 16 Jun 2021 . Address for service - Davies Collision Cave Pty Ltd Level 14 255 Elizabeth St Sydney NSW 2000 AU

**2020**

2020100835 A toy vehicle assembly **Icon23 Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Seale, Dallyn . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020202749 Dynamic function row customization **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 28 May 2021 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**Amendments Made**

**2014**

2014100975 **Sun-Wizard Holding Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Arieni, Michael John

2014253680 **Pivot Electronics Pty Ltd** The nature of the amendment is as shown in the statement filed 22 Sep 2020

**2015**

2015274285 **Yuma Therapeutics, Inc.; The Brigham and Women's Hospital, Inc.** The nature of the amendment is as shown in the statement filed 18 Mar 2021

2015300037 **Daiichi Sankyo Company, Limited** The nature of the amendment is as shown in the statement filed 15 Mar 2021

2015383149 **Boonstra, K.** The nature of the amendment is: Application is to proceed under the number 2015101994

**2016**

2016238735 **Outotec (Finland) Oy** The nature of the amendment is as shown in the statement filed 04 Jun 2021

2016260749 **Suzhou One World Technology Co., Ltd** The nature of the amendment is: Application is to proceed under the number 2016102466

**Amendments**

2016332745 **McMillan, J.** The nature of the amendment is as shown in the statement filed 18 Mar 2021

**2017**

2017203904 **Dotty Digital Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2017101911

2017281348 **Southern Mills, Inc.** The nature of the amendment is as shown in the statement filed 09 Mar 2021

2017328728 **AUM LifeTech, Inc.; Universitat de Valencia** The nature of the amendment is: Amend the name of the inventor to read Artero Allepuz, Rubén D.; Llamusi Troisi, María Beatriz; Cerro Herreros, Estefanía; Fernández Costa, Juan M.; Aishwarya, Veenu and Møller, Thorleif

2017419963 **O-Net Communications (Shenzhen) Limited** The nature of the amendment is as shown in the statement filed 04 Jun 2021

**2018**

2018241162 **FDNA Inc.** The nature of the amendment is: Amend the name of the inventor to read Gelbman, Dekel; Karlinsky, Leonid and Gurovich, Yaron

2018254043 **Yoshino Gypsum Co., Ltd.** The nature of the amendment is: Amend the invention title to read SAMPLING APPARATUS, SHEET MEMBER MANUFACTURING APPARATUS, AND GYPSUM BUILDING MATERIAL MANUFACTURING APPARATUS

2018344737 **Mayekawa Mfg. Co., Ltd.** The nature of the amendment is: Amend the invention title to read Loading system for bone-in limb meat

2018344738 **Mayekawa Mfg. Co., Ltd.** The nature of the amendment is: Amend the invention title to read Clamping device for bone-in limb meat, loading device for bone-in limb meat, and clamping method for bone-in limb meat

2018440632 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Outdoor unit of air conditioner

2018441279 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Power converting apparatus and air conditioner

**2019**

2019236639 **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** The nature of the amendment is: Application is to proceed under the number 2019101806

2019268179 **Google LLC** The nature of the amendment is: Amend the name of the inventor to read LASKA, Jason N.; NELSON, Gregory R.; DUFFY, Greg; MITSUJI, Hiro; HILL, Cameron; DAVIDSSON, Martin; MONTALBO, Michael D. and WAN, Tung Yuen

2019272034 **Apple Inc.** The nature of the amendment is as shown in the statement filed 22 Mar 2021

**Amendments**

2019283940 **Lummus Corporation** The nature of the amendment is: Amend the name of the inventor to read CORY, Mark David and DAVIS JR., Harold Eugene

2019308165 **FMC Corporation** The nature of the amendment is as shown in the statement filed 08 Jun 2021

2019331084 **Vexim S.A.** The nature of the amendment is: Amend the invention title to read Implant with blade for displacing or cutting soft tissue during expansion

2019358968 **eiChat Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2019101805

2019359878 **Tempus Labs** The nature of the amendment is: Amend the priority details to read 62/746,997 17 Oct 2018 US and 62/902,950 19 Sep 2019 US

2019375635 **Mitsubishi Pencil Company, Limited** The nature of the amendment is: Amend the invention title to read Input pen and method of manufacturing input pen

2019385397 **Dana-Farber Cancer Institute, Inc.; Voronoi Inc.** The nature of the amendment is: Amend the name of the inventor to read GRAY, Nathanael S.; HATCHER, John M. and CHOI, Hwangeun

2019390863 **Takeda Pharmaceutical Company Limited** The nature of the amendment is as shown in the statement filed 04 Jun 2021

2019391480 **Japan Aviation Electronics Industry, Limited; Tokyo Institute of Technology** The nature of the amendment is: Amend the invention title to read Method of collimating atomic beam, apparatus for collimating atomic beam, atomic interferometer, and atomic gyroscope

2019393770 **Board of Regents, The University of Texas System** The nature of the amendment is as shown in the statement filed 31 May 2021

2019403218 **Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation** The nature of the amendment is as shown in the statement filed 04 Jun 2021

**2020**

2020100425 **Cripps Clark, J.** The nature of the amendment is as shown in the statements filed 13 Apr 2021, 22 Apr 2021 and 24 May 2021

2020203809 **Magic Leap, Inc.** The nature of the amendment is: Amend the name of the inventor to read Samec, Nicole Elizabeth; Macnamara, John Graham; Harris, Christopher M.; Schowengerdt, Brian T.; Abovitz, Rony and Baerenrodt, Mark

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

**2012**

2012207357 **Fractyl Laboratories, Inc.** The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

**Amendments**

2012376012 Advanta International BV The name of the patentee has been altered to **Advanta Holdings B.V.**

**2013**

2013226062 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2013249043 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2013363390 Alcoa Warrick LLC The name of the patentee has been altered to **Kaiser Aluminum Warrick, LLC**

**2014**

2014352874 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

**2015**

2015230816 RMIT University The name of the applicant has been altered to **Royal Melbourne Institute of Technology**

2015236268 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

**2016**

2016208450 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2016342374 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

2016366192 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

**2017**

2017221891 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2017228619 ASSEMBLY ELECTONICS PTY. LTD. The name of the applicant has been altered to **ASSEMBLY ELECTRONICS PTY. LTD.**

2017268840 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

2017336154 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

**2018**

2018200371 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2018201184 HEE Solar, L.L.C. The name of the patentee has been altered to **Hunt Perovskite Technologies, L.L.C.**

2018232917 Shanghai Chuangshi Industry Group Co., Ltd. ; Hygenic Intangible Property Holding Co. The name of the patentee has been

**Amendments**

altered to **Biofreeze IP Holdings, LLC; Shanghai Chuangshi Medical Technology (Group) Co., Ltd.**

2018279853 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

2018336745 Sleep Safe Systems Ltd. The name of the applicant has been altered to **LUMI-PLUGIN LTD**

2018337837 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

2018358004 Hummingbird Bioscience Holdings Pte. Ltd. The name of the applicant has been altered to **Hummingbird Bioscience Holdings Limited**

2018360406 Tarsius Pharma Ltd. The name of the applicant has been altered to **Tarsier Pharma Ltd**

2018394218 ExxonMobil Upstream Research Company (EM-HC-N1-4A-607) The name of the applicant has been altered to **ExxonMobil Upstream Research Company**

**2019**

2019202452 Fractyl Laboratories, Inc. The name of the applicant has been altered to **FRACTYL HEALTH, INC.**

2019203149 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2019203900 Fractyl Laboratories, Inc. The name of the patentee has been altered to **FRACTYL HEALTH, INC.**

2019205282 Fractyl Laboratories, Inc. The name of the applicant has been altered to **FRACTYL HEALTH, INC.**

2019236643 Hee Solar, L.L.C. The name of the applicant has been altered to **Hunt Perovskite Technologies, L.L.C.**

2019240905 Hummingbird Bioscience Holdings Pte. Ltd. The name of the applicant has been altered to **Hummingbird Bioscience Holdings Limited**

2019240906 Hummingbird Bioscience Holdings Pte. Ltd. The name of the applicant has been altered to **Hummingbird Bioscience Holdings Limited**

2019268163 HEE Solar, L.L.C. The name of the applicant has been altered to **Hunt Perovskite Technologies, L.L.C.**

2019321648 Lyndra, Inc. The name of the applicant has been altered to **Lyndra Therapeutics, Inc.**

2019386779 Futian Dong The name of the applicant has been altered to **SUZHOU ZHIHE STRUCTURAL MEDICINE TECHNOLOGY CO., LTD.**

**2020**

2020202246 Shanghai Chuangshi Industry Group Co., Ltd. ; Hygenic Intangible Property Holding Co. The name of the applicant has been

**Amendments**

altered to **Shanghai Chuangshi Medical Technology (Group) Co., Ltd.; Biofreeze IP Holdings, LLC**

2020202563 Fractyl Laboratories, Inc. The name of the applicant has been altered to **FRACTYL HEALTH, INC.**

**2021**

2021200201 Dentons Patent Attorneys Australasia Limited The name of the applicant has been altered to **LG Electronics Inc.**

2021202384 Fractyl Laboratories, Inc. The name of the applicant has been altered to **FRACTYL HEALTH, INC.**

2021203303 Globe (Jaingsu) Co., Ltd. The name of the applicant has been altered to **Globe (Jiangsu) Co., Ltd.**

2021900080 Peter MacCallum Cancer Institute The name of the applicant has been altered to **The University of Melbourne; Peter MacCallum Cancer Institute**

2021901067 CARP Pharmaceuticals Pty Ltd The name of the applicant has been altered to **Repluca Pty Ltd**

2021901708 CK Cell Technologies Pty Ltd The name of the applicant has been altered to **CUNNINGHAM, C.W.J.; SIDHU, K.S.**

**Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules**

Australian Patent/Patent Application 2008310846 in the name(s) of Novartis AG

Applications Open to Public Inspection

Name Index

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

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(71) 3M Innovative Properties Company  
 (11) AU-A-2019280098  
 (21) 2019280098 (22) 13.12.2019  
 (54) Dressing comprising water resistant visual indicia  
 (51) Int. Cl.  
     **A61F 13/02** ( 2006.01 )  
     **A61F 13/00** ( 2006.01 )  
 (43) 01.07.2021  
 (72) HALE, Caroline  
 (74) FPA Patent Attorneys Pty Ltd

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(71) A & J AUSTRALIA PTY LTD  
 (11) AU-A-2020286326  
 (21) 2020286326 (22) 11.12.2020  
 (54) MULTI-HOLD CONTAINER  
 (51) Int. Cl.  
     **B65D 23/12** ( 2006.01 )  
     **B65D 1/02** ( 2006.01 )  
     **B67C 11/02** ( 2006.01 )  
 (31) 2019904692 (32) 11.12.19 (33) AU  
 (43) 01.07.2021  
 (72) YU, Andrew; SHELLIS, Chris  
 (74) Baxter Patent Attorneys Pty Ltd

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(71) A & J AUSTRALIA PTY LTD  
 (11) AU-A-2020286329  
 (21) 2020286329 (22) 11.12.2020  
 (54) EASY ACCESS SAFETY CONTAINER  
 (51) Int. Cl.  
     **B65D 1/16** ( 2006.01 )  
     **B65D 43/02** ( 2006.01 )  
     **B65D 85/72** ( 2006.01 )  
 (31) 2019904693 (32) 11.12.19 (33) AU  
 (43) 01.07.2021  
 (72) YU, Andrew; SHELLIS, Chris  
 (74) Baxter Patent Attorneys Pty Ltd

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(71) Acoustic Zoom, Inc.  
 (11) AU-A-2021203714  
 (21) 2021203714 (22) 07.06.2021  
 (54) SYSTEM AND METHOD FOR SPATIALLY IMAGING AND CHARACTERIZING PROPERTIES OF ROCK FORMATIONS USING SPECULAR AND NON-SPECULAR BEAMFORMING  
 (51) Int. Cl.  
     **G01V 1/46** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019201443  
 (72) Gogacz, Adam; Guigné, Jacques  
 (74) AUSTRALASIA IP PTY LTD

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(71) Acres Technology  
 (11) AU-A-2021203570  
 (21) 2021203570 (22) 01.06.2021

(54) Generating a Score Related to Play on Gaming Devices  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019210576  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

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(71) Acutus Medical, Inc.  
 (11) AU-A-2021203653  
 (21) 2021203653 (22) 04.06.2021  
 (54) Localization system and method useful in the acquisition and analysis of cardiac information  
 (51) Int. Cl.  
     **A61N 1/362** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016260522  
 (72) Welsh, Daniel J.; Julian, Marcus F.; Beatty, Graydon E.; Shi, Xinwei; Chou, Derrick R.; Werneth, Randell L.; Flaherty, Christopher J.; MacGregor, Mark  
 (74) Griffith Hack

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(71) Aireon LLC  
 (11) AU-A-2020256390  
 (21) 2020256390 (22) 15.10.2020  
 (54) DECODING POSITION INFORMATION  
 (51) Int. Cl.  
     **G01S 19/42** ( 2010.01 )  
     **G01S 19/15** ( 2010.01 )  
     **G01S 19/51** ( 2010.01 )  
     **G08G 5/00** ( 2006.01 )  
 (31) 16/717,289 (32) 17.12.19 (33) US  
 (43) 01.07.2021  
 (72) DOLAN, John; GARCIA, Michael A.  
 (74) RnB IP Pty Ltd

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(71) Angel Playing Cards Co., Ltd.  
 (11) AU-A-2020286249  
 (21) 2020286249 (22) 09.12.2020  
 (54) Rolling encoding schema for RFID tags  
 (51) Int. Cl.  
     **G06F 21/60** ( 2013.01 )  
     **A63F 11/00** ( 2006.01 )  
 (31) 2019-225452 (32) 13.12.19 (33) JP  
 (43) 01.07.2021  
 (72) Gelinotte, Emmanuel; Souillot, Jonathan  
 (74) Davies Collison Cave Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021203518  
 (21) 2021203518 (22) 31.05.2021  
 (54) User activity shortcut suggestions  
 (51) Int. Cl.  
     **G06F 3/16** ( 2006.01 )  
     **G06F 3/0482** ( 2013.01 )

(43) 01.07.2021  
 (62) 2020203280  
 (72) Blatz, John L.; Malta, Andrew William; Moon, Jay; Ramaswamy, Pallavika; Weinstein, Ari  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021203636  
 (21) 2021203636 (22) 03.06.2021  
 (54) Activity and workout updates  
 (51) Int. Cl.  
     **A63B 24/00** ( 2006.01 )  
     **G06F 3/038** ( 2013.01 )  
 (43) 01.07.2021  
 (62) 2017277971  
 (72) WILLIAMS, Aled Hywel; GRAHAM, David Chance; WILSON, Christopher  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021203669  
 (21) 2021203669 (22) 04.06.2021  
 (54) Methods and interfaces for home media control  
 (51) Int. Cl.  
     **H04L 29/02** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019268111  
 (72) COFFMAN, Patrick L.; AL-BUQUERQUE, Fernando; CARRIGAN, Taylor G.; CIELAK, Matthew J.; FAMILY, Afrooz; GRAHAM, David Chance; IRANI, Cyrus Daniel; VERWEIJ, Hugo; ANDERSON, Molly; HULBERT, Thomas S.; KERR, Duncan; MARI, Pedro; PIERCY, Aimee  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2021203738  
 (21) 2021203738 (22) 07.06.2021  
 (54) Chroma quantization in video coding  
 (51) Int. Cl.  
     **H04N 19/124** ( 2014.01 )  
 (43) 01.07.2021  
 (62) 2020202363  
 (72) TOURAPIS, Alexandros; COTE, Guy  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Aqualand Industries Limited  
 (11) AU-A-2021203690  
 (21) 2021203690 (22) 04.06.2021  
 (54) CRAFT FOR USE ON A BODY OF WATER AND TRANSPORT AND CONTROL SYSTEM THEREFORE  
 (51) Int. Cl.  
     **B60P 3/10** ( 2006.01 )  
     **B63B 32/10** ( 2020.01 )  
     **B63B 32/80** ( 2020.01 )

Applications Open to Public Inspection - Name Index cont'd

**B63B 49/00** ( 2006.01 )  
**B63H 11/107** ( 2006.01 )  
**G01C 21/20** ( 2006.01 )  
**G08G 3/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2016336101  
**(72)** Lomax, Stuart  
**(74)** Madderns Pty Ltd

**(71)** Aristocrat Technologies, Inc.  
**(11)** AU-A-2020281166  
**(21)** 2020281166 **(22)** 04.12.2020  
**(54)** PREPARATION AND INSTALLATION OF GAMING DEVICES USING BLOCKCHAIN  
**(51)** Int. Cl.  
**G06F 21/00** ( 2013.01 )  
**G07F 17/32** ( 2006.01 )  
**(31)** 62/943,463 **(32)** 04.12.19 **(33)** US  
 16/902,186 15.06.20 US  
**(43)** 01.07.2021  
**(72)** PUROHIT, Nimish; HILL, Garrett; TAYLOR, Eric  
**(74)** Griffith Hack

**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2021203698  
**(21)** 2021203698 **(22)** 04.06.2021  
**(54)** GAMING MACHINE WITH FIXED WILD SYMBOLS AND MULTIPLIER  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018279022  
**(72)** MORONEY, Jennifer  
**(74)** Griffith Hack

**(71)** Auris Health, Inc.  
**(11)** AU-A-2021203525  
**(21)** 2021203525 **(22)** 31.05.2021  
**(54)** Navigation of tubular networks  
**(51)** Int. Cl.  
**A61B 5/05** ( 2021.01 )  
**A61B 8/12** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2016323982  
**(72)** MINTZ, David S.; GHOREYSHI, Atiyeh; JEEVAN, Prasanth; XU, Yiliang; YANG, Gehua; LEOTTA, Matthew Joseph; STEWART, Charles V.  
**(74)** Spruson & Ferguson

**(71)** Automated Clinical Guidelines, LLC; Dew, D.; Halpern, S.; Engler, H.; Steward, D.; Dew, D.; Dew, D.; Stratton, S.  
**(11)** AU-A-2021203679  
**(21)** 2021203679 **(22)** 04.06.2021  
**(54)** A system for use by a medical professional, for diagnosing a cause of a patient medical condition and for providing a patient medical condition report, including a diagnosis and treatment  
**(51)** Int. Cl.  
**G16H 10/60** ( 2018.01 )

**(43)** 01.07.2021  
**(62)** 2015343261  
**(72)** Dew, Douglas; Halpern, Steven; Engler, Hibbard; Steward, Duane; Dew, Douglas; Dew, Dylan; Stratton, Sandie  
**(74)** John Christiansen

**(71)** AVEO Pharmaceuticals, Inc.  
**(11)** AU-A-2021203523  
**(21)** 2021203523 **(22)** 31.05.2021  
**(54)** Treatment of chronic kidney disease and other renal dysfunction using a GDF15 modulator  
**(51)** Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2015276800  
**(72)** Gyuris, Jenö; Lerner, Lorena  
**(74)** Spruson & Ferguson

**(71)** BALLANCE AGRI-NUTRIENTS LIMITED  
**(11)** AU-A-2021203659  
**(21)** 2021203659 **(22)** 04.06.2021  
**(54)** PARTICULATE NITRIFICATION INHIBITOR SYSTEMS  
**(51)** Int. Cl.  
**C05G 3/08** ( 2006.01 )  
**C05B 1/00** ( 2006.01 )  
**C09K 15/00** ( 2006.01 )  
**C09K 15/02** ( 2006.01 )  
**C09K 15/22** ( 2006.01 )  
**C09K 17/04** ( 2006.01 )  
**C09K 17/40** ( 2006.01 )  
**C09K 17/42** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019202705  
**(72)** SMITH, Terrence John  
**(74)** AJ PARK

**Bayer Aktiengesellschaft see Bayer Pharma Aktiengesellschaft**  
**(21)** 2021203572

**(71)** Bayer Pharma Aktiengesellschaft; Bayer Aktiengesellschaft  
**(11)** AU-A-2021203572  
**(21)** 2021203572 **(22)** 01.06.2021  
**(54)** Substituted diazahetero-bicyclic compounds and their use  
**(51)** Int. Cl.  
**C07D 471/08** ( 2006.01 )  
**A61K 31/439** ( 2006.01 )  
**A61K 31/5386** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 498/08** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2017298421  
**(72)** DELBECK, Martina; HAHN, Michael; MÜLLER, Thomas; LUSTIG, Klemens; MOSIG, Johanna; ALBUS, Udo; GEHRING, Doris; ROSENSTEIN, Björn; COLLINS, Karl; LINDNER, Niels;

SEELIGER, Janine; BECK-BROICH-SITTER, Moritz  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Becton, Dickinson and Company  
**(11)** AU-A-2021203524  
**(21)** 2021203524 **(22)** 31.05.2021  
**(54)** Spacer assembly for drug delivery device  
**(51)** Int. Cl.  
**A61M 5/315** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018350899  
**(72)** Avery, Richard James Vincent; Boyd, Malcolm Stanley; Gazeley, Oliver Charles; Lewis, Gareth James; Plump-tre, David Aubrey; Senior, James Alexander  
**(74)** FB Rice Pty Ltd

**(71)** Becton, Dickinson and Company  
**(11)** AU-A-2021203591  
**(21)** 2021203591 **(22)** 02.06.2021  
**(54)** Universal single-use cap for male and female connectors  
**(51)** Int. Cl.  
**A61M 39/20** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**A61M 39/16** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019253677  
**(72)** EREKOVCAANSKI, Nicholas; JIANG, Chang; MARICI, Paul  
**(74)** Dark IP

**(71)** BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.  
**(11)** AU-A-2019369206  
**(21)** 2019369206 **(22)** 16.12.2019  
**(54)** Systems and methods for distinguishing a driver and passengers in an image captured inside a vehicle  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(72)** ZHANG, Xiubao; GE, Yukun; SHEN, Haifeng  
**(74)** Shelston IP Pty Ltd.

**(71)** Bellicum Pharmaceuticals, Inc.  
**(11)** AU-A-2021203741  
**(21)** 2021203741 **(22)** 07.06.2021  
**(54)** Methods for activating T cells using an inducible chimeric polypeptide  
**(51)** Int. Cl.  
**A61K 35/14** ( 2015.01 )  
**(43)** 01.07.2021  
**(62)** 2015218396  
**(72)** Foster, Aaron Edward; Spencer, David; Collinson-Pautz, Matthew Robert; Slawin, Kevin  
**(74)** Spruson & Ferguson

**(71)** Bioniz, LLC  
**(11)** AU-A-2021203530

Applications Open to Public Inspection - Name Index cont'd

- (21) 2021203530 (22) 31.05.2021  
 (54) Modulating gamma - c -cytokine activity  
 (51) Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C12N 15/24** ( 2006.01 )  
**C12N 15/26** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2020201174  
 (72) Azimi, Nazli  
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 C02F 11/12 ( 2019.01 )  
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**G01C 22/02** ( 2006.01 )  
**G01P 3/42** ( 2006.01 )  
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 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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**B62D 63/06** ( 2006.01 )  
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**(72)** Craig, Toby  
**(74)** Patentec Patent Attorneys

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**(51)** Int. Cl.  
**G06Q 10/00** ( 2012.01 )  
**G06T 7/00** ( 2017.01 )  
**(43)** 01.07.2021  
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**(51)** Int. Cl.  
**A47J 37/07** ( 2006.01 )  
**A23B 4/052** ( 2006.01 )  
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**(72)** JAMES, Chris; KOSTER, Andrew  
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**(11)** AU-A-2020273350  
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**(54)** Removable burn pot  
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**A47J 37/06** ( 2006.01 )  
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**(11)** AU-A-2020273379  
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**(51)** Int. Cl.  
**A47J 36/34** ( 2006.01 )  
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**F24C 15/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**G03B 15/08** ( 2006.01 )  
**G03B 15/02** ( 2006.01 )  
**H04N 5/222** ( 2006.01 )  
**H04N 5/272** ( 2006.01 )  
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**(74)** AJ Park

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**(21)** 2021203706 **(22)** 07.06.2021  
**(54)** Updating a local tree for a client synchronization service  
**(51)** Int. Cl.  
**G06F 16/178** ( 2019.01 )  
**(43)** 01.07.2021  
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**(72)** LAI, John  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Eloxx Pharmaceuticals Ltd.  
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**(54)** Aminoglycoside derivatives and uses thereof in treating genetic disorders  
**(51)** Int. Cl.  
**C07H 15/23** ( 2006.01 )  
**A61K 31/7036** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
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**(21)** 2021203679

**(71)** Erasmus University Medical Center Rotterdam  
**(11)** AU-A-2021203620  
**(21)** 2021203620 **(22)** 03.06.2021  
**(54)** Methods, reagents and kits for flow cytometric immunophenotyping  
**(51)** Int. Cl.  
**G01N 33/574** ( 2006.01 )  
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**(43)** 01.07.2021  
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**(71)** F. Hoffman-La Roche AG  
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**(21)** 2021203482 **(22)** 28.05.2021  
**(54)** Phenyl derivatives as cannabinoid receptor 2 agonists  
**(51)** Int. Cl.  
**C07D 231/12** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07C 13/04** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**C07D 207/14** ( 2006.01 )  
**C07D 209/54** ( 2006.01 )  
**C07D 213/61** ( 2006.01 )  
**C07D 271/06** ( 2006.01 )  
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(51) Int. Cl.  
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**C12N 5/0789** ( 2010.01 )  
**A61K 35/12** ( 2015.01 )  
**A61P 37/02** ( 2006.01 )  
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(54) VALVE WITH INTERNAL MEMBER  
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**F16K 7/18** ( 2006.01 )  
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**C40B 20/04** ( 2006.01 )  
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**B23B 7/00** ( 2006.01 )  
**E04F 10/00** ( 2006.01 )  
**E06B 9/24** ( 2006.01 )  
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 (72) Reid, Glen  
 (74) Origin Patent and Trade Mark Attorneys

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 (21) 2021203528

Genentech, Inc. see Foundation Medicine, Inc.  
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 (21) 2021203650 (22) 04.06.2021  
 (54) Chemical compounds  
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*A61K 31/4375* ( 2006.01 )  
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*B01J 8/00* ( 2006.01 )  
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*A61M 5/50* ( 2006.01 )  
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*A63B 21/22* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*A61F 5/01* ( 2006.01 )  
*A61H 23/00* ( 2006.01 )  
*A61N 1/04* ( 2006.01 )  
*A61N 1/36* ( 2006.01 )  
*A63B 21/00* ( 2006.01 )  
*A63B 23/16* ( 2006.01 )  
*A63B 24/00* ( 2006.01 )  
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*B32B 27/12* ( 2006.01 )  
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*B82Y 10/00* ( 2011.01 )  
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 (21) 2021203672
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 (11) AU-A-2021203700  
 (21) 2021203700 (22) 04.06.2021  
 (54) Methods, systems and devices for pre-operatively planned shoulder surgery guides and implants  
 (51) Int. Cl.  
*A61B 17/17* ( 2006.01 )  
*A61B 34/10* ( 2016.01 )  
 (43) 01.07.2021  
 (62) 2019236759  
 (72) CHAOUI, Jean; WALCH, Gilles  
 (74) Griffith Hack
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- (71) implantcast GmbH  
 (11) AU-A-2020230271  
 (21) 2020230271 (22) 09.09.2020  
 (54) PROSTHETIC COMPONENT  
 (51) Int. Cl.  
*A61F 2/38* ( 2006.01 )  
 (31) 19217202.1 (32) 17.12.19 (33) EP

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(43) 01.07.2021  
 (72) Rolbiecki, Patryk; Sass, Jens  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

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(71) implantcast GmbH  
 (11) AU-A-2020230273  
 (21) 2020230273 (22) 09.09.2020  
 (54) FEMORAL COMPONENT  
 (51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
 (31) 19217195.7 (32) 17.12.19 (33) EP  
 (43) 01.07.2021  
 (72) Rolbiecki, Patryk; Sass, Jens  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

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(71) Infosys Limited  
 (11) AU-A-2020233730  
 (21) 2020233730 (22) 17.09.2020  
 (54) A SYSTEM AND METHOD FOR DYNAMIC GENERATION OF PERSONALIZED VIDEO CONTENT THROUGH A BROWSER EMBEDDED VIDEO PLAYER  
 (51) Int. Cl.  
**H04N 21/2668** ( 2011.01 )  
 (31) 201941052391 (32) 17.12.19 (33) IN  
 16/809,295 04.03.20 US  
 (43) 01.07.2021  
 (72) RAJENDRAN, Pradeepraj; THOMAS, Reshma; SIVASANKARAN, Sowbarnika; GUPTA, Sunil; VENKATARAJA, Guruprasad Nellitheertha  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) Innate Pharma  
 (11) AU-A-2021203744  
 (21) 2021203744 (22) 07.06.2021  
 (54) Treatment regimens using anti-NKG2A antibodies  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2015316993  
 (72) Andre, Pascale; Blery, Mathieu; Paturel, Carine; Soulas, Caroline; Wagtmann, Nicolai  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2021203643

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 (21) 2021203599

(71) Intellijoint Surgical Inc.  
 (11) AU-A-2021203699  
 (21) 2021203699 (22) 04.06.2021  
 (54) Systems, methods and devices for anatomical registration and surgical localization  
 (51) Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 17/74** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019250135  
 (72) HLADIO, Andre Novomir; BAKIRTZIAN, Armen Garo; FANSON, Richard Tyler; RYTERSKI, Eric  
 (74) Griffith Hack

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(71) Intersurgical AG  
 (11) AU-A-2021203739  
 (21) 2021203739 (22) 07.06.2021  
 (54) Video Laryngoscopes  
 (51) Int. Cl.  
**A61B 1/267** ( 2006.01 )  
**A61B 1/04** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016262815  
 (72) Dixon, Phillip William; Browne, Mark Richard; Miller, Andrew Neil  
 (74) Michael Buck IP

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(71) Intervet International B.V.  
 (11) AU-A-2021203686  
 (21) 2021203686 (22) 04.06.2021  
 (54) Use of isoxazoline compounds for treating demodicosis  
 (51) Int. Cl.  
**A61K 31/42** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61P 33/14** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2015371175  
 (72) WILLIAMS, Heike; HECKEROTH, Anja Regina; TÄNZLER, Janina; FRENAIS, Régis Joël Alain  
 (74) Spruson & Ferguson

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(71) Intuit, Inc.  
 (11) AU-A-2021203598  
 (21) 2021203598 (22) 02.06.2021  
 (54) Systems and mechanism to control the lifetime of an access token dynamically based on access token use  
 (51) Int. Cl.  
**G06F 21/33** ( 2013.01 )  
**G06F 21/32** ( 2013.01 )  
**G06F 21/46** ( 2013.01 )  
 (43) 01.07.2021  
 (62) 2018255252  
 (72) Jain, Parul; Foiles, Doug; Peterson, Erik  
 (74) Davies Collison Cave Pty Ltd

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(71) Intuit Inc.  
 (11) AU-A-2020385370  
 (21) 2020385370 (22) 14.05.2020  
 (54) Shareable and nested transactions on hash chains  
 (51) Int. Cl.

**H04L 9/00** ( 2006.01 )  
 (31) 16/710,639 (32) 11.12.19 (33) US  
 (43) 01.07.2021  
 (72) SCOTT, Glenn Carter; GABRIEL, Michael Richard  
 (74) Davies Collison Cave Pty Ltd

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(71) Intuit Inc.  
 (11) AU-A-2021203646  
 (21) 2021203646 (22) 03.06.2021  
 (54) Method and system for automatically extracting relevant tax terms from forms and instructions  
 (51) Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**G06Q 10/10** ( 2012.01 )  
 (43) 01.07.2021  
 (62) 2017296408  
 (72) MUKHERJEE, Saikat; YAGHOOBZADEH, Yadollah  
 (74) Davies Collison Cave Pty Ltd

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Ithaca College see The J. David Gladstone Institutes  
 (21) 2021203726

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(71) Jetoptera, Inc.  
 (11) AU-A-2021203495  
 (21) 2021203495 (22) 28.05.2021  
 (54) Fluidic propulsive system  
 (51) Int. Cl.  
**B64C 15/14** ( 2006.01 )  
**B64D 27/18** ( 2006.01 )  
**B64D 29/02** ( 2006.01 )  
**F02K 1/36** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016338383  
 (72) EVULET, Andrei  
 (74) Spruson & Ferguson

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(71) Johnson & Johnson Consumer Inc.  
 (11) AU-A-2021203531  
 (21) 2021203531 (22) 31.05.2021  
 (54) Methods for enhancing topical application of a benefit agent  
 (51) Int. Cl.  
**A61M 37/00** ( 2006.01 )  
**A61N 7/00** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016326439  
 (72) Paturi, Jyotsna; Paunescu, Alexandru; Sun, Ying  
 (74) Shelston IP Pty Ltd.

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(71) Johnson & Johnson Consumer Inc.  
 (11) AU-A-2021203675  
 (21) 2021203675 (22) 04.06.2021  
 (54) Devices and methods for enhancing the topical application of a benefit agent  
 (51) Int. Cl.  
**A61M 37/00** ( 2006.01 )  
**A61N 7/00** ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016326434  
 (72) Paturi, Jyotsna; Paunescu, Alexandru  
 (74) Shelston IP Pty Ltd.

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- (71) Joy Global Surface Mining Inc.  
 (11) AU-A-2020286317  
 (21) 2020286317 (22) 11.12.2020  
 (54) Shoe trimming tool  
 (51) Int. Cl.  
*E02F 3/12* ( 2006.01 )  
*B62D 55/08* ( 2006.01 )  
*B62D 55/14* ( 2006.01 )  
*E21C 33/00* ( 2006.01 )  
 (31) 62/947,109 (32) 12.12.19 (33) US  
 (43) 01.07.2021  
 (72) GROSS, Matthew L.; HUTSICK, James M.; WIRKUS, Joseph J.; SEVERSON, Josh; PEDRETTI, Ethan; POPP, James  
 (74) Griffith Hack
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- (71) KA'ANA WAVE COMPANY INC.  
 (11) AU-A-2021203589  
 (21) 2021203589 (22) 02.06.2021  
 (54) WAVE PRODUCING METHOD AND APPARATUS  
 (51) Int. Cl.  
*F04D 35/00* ( 2006.01 )  
*B05B 1/34* ( 2006.01 )  
*E02B 1/00* ( 2006.01 )  
*E02B 3/00* ( 2006.01 )  
*E02B 9/08* ( 2006.01 )  
*E04H 4/12* ( 2006.01 )  
*F15D 1/08* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2017356342  
 (72) Watson, James Alexander  
 (74) Phillips Ormonde Fitzpatrick
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- (71) Kaleido Biosciences, Inc.  
 (11) AU-A-2021203605  
 (21) 2021203605 (22) 02.06.2021  
 (54) Glycan therapeutics and related methods thereof  
 (51) Int. Cl.  
*A61K 45/06* ( 2006.01 )  
*A61K 31/702* ( 2006.01 )  
*A61K 31/716* ( 2006.01 )  
*A61K 31/733* ( 2006.01 )  
*A61P 1/00* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016212030  
 (72) VON MALTZAHN, Geoffrey A.; SILVERMAN, Jared; YAMANAKA, Yvonne J.; MILWID, Jack; GEREMIA, John M.  
 (74) Spruson & Ferguson
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- (71) Kemira Oyj  
 (11) AU-A-2021203368  
 (21) 2021203368 (22) 25.05.2021  
 (54) Inverse emulsion compositions  
 (51) Int. Cl.  
*C08F 20/56* ( 2006.01 )  
*C08F 2/24* ( 2006.01 )  
*C08F 220/56* ( 2006.01 )  
*C09K 8/26* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2016366174  
 (72) Jackson, Logan; Lynch, Thomas J.; Robinson, Ronald; Fournier, Frances;
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- Yang, Hong; Aujla, Sukhjit; Kim, Do Hoon; Alexis, Dennis Arun  
 (74) Davies Collison Cave Pty Ltd
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- (71) LAA INDUSTRIES PTY LTD  
 (11) AU-A-2021203584  
 (21) 2021203584 (22) 01.06.2021  
 (54) Electromechanical method for producing variable voltage, variable frequency (VVVF) power supply for varying the speed of AC motors  
 (51) Int. Cl.  
*H02P 1/00* ( 2006.01 )  
*H02P 9/04* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019203740  
 (72) Keogh, Mark Vincent; Reid, Anthony Carl  
 (74) Armour IP Pty Ltd
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- (71) Larkin & Shoushani Solutions Pty Ltd  
 (11) AU-A-2020286333  
 (21) 2020286333 (22) 11.12.2020  
 (54) Basin Outlet with Disposable Seal  
 (51) Int. Cl.  
*E03C 1/282* ( 2006.01 )  
*E03C 1/264* ( 2006.01 )  
*E03C 1/298* ( 2006.01 )  
*E03C 1/30* ( 2006.01 )  
*F16K 15/14* ( 2006.01 )  
 (31) 2019904725 (32) 13.12.19 (33) AU  
 (43) 01.07.2021  
 (72) LARKIN, Anthony William; SHOUSHANI, Ronnie  
 (74) Wallington-Dummer
- 
- (71) LG Electronics Inc.  
 (11) AU-A-2021203444  
 (21) 2021203444 (22) 26.05.2021  
 (54) Cleaning apparatus  
 (51) Int. Cl.  
*A47L 9/16* ( 2006.01 )  
*A47L 9/28* ( 2006.01 )  
*A47L 9/32* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019271879  
 (72) NAM, Bohyun; HWANG, Jungbae; KIM, Jinju; KIM, Namhee; AN, Hyeonjeong  
 (74) FB Rice Pty Ltd
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- (71) LG Electronics Inc.  
 (11) AU-A-2021203694  
 (21) 2021203694 (22) 04.06.2021  
 (54) Laundry handling apparatus  
 (51) Int. Cl.  
*D06F 35/00* ( 2006.01 )  
*D06F 33/30* ( 2020.01 )  
*D06F 39/08* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2018271740  
 (72) LEE, Kyungah; KIM, Hyewon; LEE, Junghwan; YOO, Taewoo  
 (74) FB Rice Pty Ltd
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-2021203600
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- (21) 2021203600 (22) 02.06.2021  
 (54) MOTOR AND MANUFACTURING METHOD OF THE SAME  
 (51) Int. Cl.  
*F04D 29/056* ( 2006.01 )  
*F16C 19/54* ( 2006.01 )  
*F16C 33/10* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019213352  
 (72) KIM, Sunggi; KIM, Byungjik; KIM, Changlae  
 (74) Dentons Patent Attorneys Australasia Limited
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-2021203612  
 (21) 2021203612 (22) 02.06.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (51) Int. Cl.  
*D06F 39/14* ( 2006.01 )  
*D06F 37/28* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019271949  
 (72) YOU, Jungsang; KWON, Yongwoo; SEO, Minsoo  
 (74) Dentons Patent Attorneys Australasia Limited
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- (71) LOGINED B.V  
 (11) AU-A-2021203693  
 (21) 2021203693 (22) 04.06.2021  
 (54) Multiphase flow simulator sub-modeling  
 (51) Int. Cl.  
*G06F 17/50* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019203614  
 (72) HAVRE, Kjetil; LILLEBY, Jon-Terje; HENRIKSEN, Stian  
 (74) Griffith Hack
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- (71) Lumenis Ltd  
 (11) AU-A-2021203575  
 (21) 2021203575 (22) 01.06.2021  
 (54) Apparatus And Method For Reducing Laser Beam Attenuation In A Liquid Medium  
 (51) Int. Cl.  
*A61B 18/24* ( 2006.01 )  
*A61B 17/22* ( 2006.01 )  
*A61N 5/00* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2017278147  
 (72) WAISMAN, Tal; KHACHATUROV, Arkady; PREISS, Assaf  
 (74) WRAYS PTY LTD
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- (71) Lyra Therapeutics, Inc.  
 (11) AU-A-2021203743  
 (21) 2021203743 (22) 07.06.2021  
 (54) Implantable scaffolds for treatment of sinusitis  
 (51) Int. Cl.  
*A61F 2/18* ( 2006.01 )  
*A61F 2/82* ( 2013.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 31/58* ( 2006.01 )  
*A61L 31/16* ( 2006.01 )

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- A61M 31/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018255421  
**(72)** YOU, Changcheng; PHAM, Quynh; CONCAGH, Danny  
**(74)** Spruson & Ferguson
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- (71)** Lyster, J.  
**(11)** AU-A-2021203696  
**(21)** 2021203696 **(22)** 04.06.2021  
**(54)** Monitoring Device  
**(51)** Int. Cl.  
**E21D 21/02** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** PCT/AU2019/051216  
**(72)** Lyster, Jarrad Clayton  
**(74)** WRAYS PTY LTD
- 
- (71)** LyteLoop Technologies, LLC  
**(11)** AU-A-2021203687  
**(21)** 2021203687 **(22)** 04.06.2021  
**(54)** System and method for extending path length of a wave signal using angle multiplexing  
**(51)** Int. Cl.  
**G01S 13/89** ( 2006.01 )  
**G01S 3/46** ( 2006.01 )  
**G02B 6/44** ( 2006.01 )  
**H01Q 7/08** ( 2006.01 )  
**H04J 14/04** ( 2006.01 )  
**H04Q 9/04** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019316574  
**(72)** McManamon, Paul Francis; Damaghi, Daniel; Harlev, Ohad; Vedadi-Comte, Armand; Willner, Alan Eli; Palanzo, Charles Rocco; Howard, Ryan Justin  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Magic Leap, Inc.  
**(11)** AU-A-2021203635  
**(21)** 2021203635 **(22)** 03.06.2021  
**(54)** Collimating fiber scanner design with inward pointing angles in virtual/augmented reality system  
**(51)** Int. Cl.  
**G02B 27/01** ( 2006.01 )  
**A63F 13/53** ( 2014.01 )  
**G01J 1/04** ( 2006.01 )  
**G02B 6/10** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2016296723  
**(72)** Yeoh, Ivan L.; Edwin, Lionel Ernest; Schuelke, Aaron Mark  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Manitou Italia S.r.l.  
**(11)** AU-A-2020277177  
**(21)** 2020277177 **(22)** 25.11.2020  
**(54)** Rotary tower with ballast  
**(51)** Int. Cl.  
**B66C 23/94** ( 2006.01 )  
**B66F 9/12** ( 2006.01 )  
**(31)** 102019000023631 **(32)** 11.12.19 **(33)** IT  
**(43)** 01.07.2021  
**(72)** IOTTI, Marco  
**(74)** Spruson & Ferguson
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- (71)** Manitou Italia S.r.l.  
**(11)** AU-A-2020277182  
**(21)** 2020277182 **(22)** 25.11.2020  
**(54)** Operator vehicle with assisted centring device  
**(51)** Int. Cl.  
**B66C 15/06** ( 2006.01 )  
**(31)** 102019000024153 **(32)** 16.12.19 **(33)** IT  
**(43)** 01.07.2021  
**(72)** IOTTI, Marco  
**(74)** Spruson & Ferguson
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- (71)** Manitou Italia S.r.l.  
**(11)** AU-A-2020289713  
**(21)** 2020289713 **(22)** 14.12.2020  
**(54)** Operating machine with improved stabilisers  
**(51)** Int. Cl.  
**B66F 9/06** ( 2006.01 )  
**B66C 23/78** ( 2006.01 )  
**(31)** 102019000023835 **(32)** 12.12.19 **(33)** IT  
**(43)** 01.07.2021  
**(72)** Marco, IOTTI  
**(74)** Spruson & Ferguson
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- (71)** Marchesan Implementos e Máquinas Agrícolas Tatu S.A.  
**(11)** AU-A-2020286243  
**(21)** 2020286243 **(22)** 09.12.2020  
**(54)** Agricultural harvester control system, method of controlling an agricultural harvester and agricultural harvester  
**(51)** Int. Cl.  
**A01D 41/127** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
**(31)** BR102019026692-9 **(32)** 13.12.19 **(33)** BR  
**(43)** 01.07.2021  
**(72)** Marchesan, José Luiz Alberto  
**(74)** Spruson & Ferguson
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- (71)** Mars, Incorporated  
**(11)** AU-A-2021203671  
**(21)** 2021203671 **(22)** 04.06.2021  
**(54)** Food product for reducing muscle breakdown and methods thereof  
**(51)** Int. Cl.  
**A23K 10/20** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 50/40** ( 2016.01 )  
**(43)** 01.07.2021  
**(62)** 2016370867  
**(72)** ALLAWAY, DAVID; HEWSON-HUGHES, ADRIAN  
**(74)** Griffith Hack
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- Massachusetts Institute of Technology see The Broad Institute, Inc.**  
**(21)** 2021203747
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- (71)** Meinan Machinery Works, Inc.  
**(11)** AU-A-2020202403  
**(21)** 2020202403 **(22)** 06.04.2020  
**(54)** Veneer cutting and sorting apparatus  
**(51)** Int. Cl.
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- B27L 5/08** ( 2006.01 )  
**B26D 1/00** ( 2006.01 )  
**B26D 1/01** ( 2006.01 )  
**B26D 1/25** ( 2006.01 )  
**B26D 5/20** ( 2006.01 )  
**B26D 11/00** ( 2006.01 )  
**B27L 5/02** ( 2006.01 )  
**B65G 15/30** ( 2006.01 )  
**(31)** 2019-226327 **(32)** 16.12.19 **(33)** JP  
**(43)** 01.07.2021  
**(72)** TODA, Kenro  
**(74)** FB Rice Pty Ltd
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- (71)** Micro Motion, Inc.  
**(11)** AU-A-2021203535  
**(21)** 2021203535 **(22)** 31.05.2021  
**(54)** A NOTCH FILTER IN A VIBRATORY FLOW METER  
**(51)** Int. Cl.  
**G01F 25/00** ( 2006.01 )  
**G01F 1/84** ( 2006.01 )  
**G01F 15/02** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2017418298  
**(72)** Rensing, Matthew Joseph; Cunningham, Timothy J.  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Miles, S.  
**(11)** AU-A-2021203462  
**(21)** 2021203462 **(22)** 27.05.2021  
**(54)** ELEVATING STORAGE APPARATUS  
**(51)** Int. Cl.  
**B60P 1/02** ( 2006.01 )  
**B60P 1/44** ( 2006.01 )  
**B66F 11/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019208179  
**(72)** Miles, Shane  
**(74)** Ahearn Fox
- 
- (71)** Mine Projects Australia Pty Ltd  
**(11)** AU-A-2020277133  
**(21)** 2020277133 **(22)** 24.11.2020  
**(54)** Form, System and Method for forming a Support Structure Technical Field  
**(51)** Int. Cl.  
**E21D 15/48** ( 2006.01 )  
**(31)** 2019904717 **(32)** 13.12.19 **(33)** AU  
**(43)** 01.07.2021  
**(72)** Holt, Blake; Pallas, Christopher  
**(74)** Caska Intellectual Property Pty Ltd
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- Murphy, W. see Murphy, S.**  
**(21)** 2021203649
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- (71)** Murphy, S.; Murphy, W.  
**(11)** AU-A-2021203649  
**(21)** 2021203649 **(22)** 04.06.2021  
**(54)** METHOD AND APPARATUS FOR PERFORMING ANTERIOR HIP SURGERY  
**(51)** Int. Cl.  
**A61B 17/17** ( 2006.01 )



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(43) 01.07.2021  
 (62) 2019226214  
 (72) Murphy, Stephen B.; Murphy, William S.  
 (74) Phillips Ormonde Fitzpatrick

(71) Nevro Corporation  
 (11) AU-A-2021203590  
 (21) 2021203590 (22) 02.06.2021  
 (54) SPINAL CORD MODULATION FOR INDUCING PARESTHETIC AND ANESTHETIC EFFECTS, AND ASSOCIATED SYSTEMS AND METHODS  
 (51) Int. Cl.  
 A61N 1/05 ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019226166  
 (72) Alataris, Konstantinos; Walker, Andre B.; Parker, Jon  
 (74) RnB IP Pty Ltd

(71) NISCO CO., LTD  
 (11) AU-A-2020203566  
 (21) 2020203566 (22) 29.05.2020  
 (54) Adjustable bed  
 (51) Int. Cl.  
 A47C 19/14 ( 2006.01 )  
 A47C 19/12 ( 2006.01 )  
 A61G 7/002 ( 2006.01 )  
 A61G 7/16 ( 2006.01 )  
 (31) 62/947,561 (32) 13.12.19 (33) US  
 62/962,324 17.01.20 US  
 (43) 01.07.2021  
 (72) WANG, Wei; XIE, Jian  
 (74) Griffith Hack

**Novartis AG see The Trustees of the University of Pennsylvania**  
 (21) 2021203547

(71) Novartis AG  
 (11) AU-A-2021203564  
 (21) 2021203564 (22) 01.06.2021  
 (54) Compositions comprising naphthyridine derivatives and aluminium adjuvant for use in treating solid tumors  
 (51) Int. Cl.  
 A61K 31/675 ( 2006.01 )  
 A61K 9/19 ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
 A61K 45/06 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 (43) 01.07.2021  
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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
 C12N 7/02 ( 2006.01 )

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 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021203401  
 (21) 2021203401 (22) 25.05.2021  
 (54) SYSTEMS AND METHODS FOR SPINAL CORRECTION SURGICAL PLANNING  
 (51) Int. Cl.  
 A61B 5/107 ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

(71) OntheMuV, Inc.  
 (11) AU-A-2021203628  
 (21) 2021203628 (22) 03.06.2021  
 (54) Seated treadmill and method of use  
 (51) Int. Cl.  
 A63B 22/02 ( 2006.01 )  
 A63B 22/08 ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) Orion Corporation  
 (11) AU-A-2021203497  
 (21) 2021203497 (22) 28.05.2021  
 (54) PYRAN DERIVATIVES AS CYP11A1 (CYTOCHROME P450 MONOOXYGENASE 11A1) INHIBITORS  
 (51) Int. Cl.  
 C07D 405/14 ( 2006.01 )  
 A61K 31/4035 ( 2006.01 )  
 A61K 31/4155 ( 2006.01 )  
 A61K 31/4709 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07D 405/06 ( 2006.01 )  
 C07D 409/14 ( 2006.01 )  
 C07D 413/14 ( 2006.01 )  
 C07D 417/14 ( 2006.01 )  
 C07D 451/02 ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

(71) Osaka University; The University of Tokyo  
 (11) AU-A-2021203496  
 (21) 2021203496 (22) 28.05.2021  
 (54) Highly versatile method of presenting cyclic peptide on protein structure  
 (51) Int. Cl.  
 C12N 15/62 ( 2006.01 )  
 C07K 19/00 ( 2006.01 )  
 C12P 21/04 ( 2006.01 )

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 (74) FPA Patent Attorneys Pty Ltd

(71) Precedence Health Care Pty Ltd  
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 (21) 2021203592 (22) 02.06.2021  
 (54) AN ELECTRONIC CARE MANAGEMENT SYSTEM  
 (51) Int. Cl.  
 G06Q 50/22 ( 2018.01 )  
 (43) 01.07.2021  
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**President and Fellows of Harvard College see The Broad Institute, Inc.**  
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 (11) AU-A-2020289734  
 (21) 2020289734 (22) 15.12.2020  
 (54) Coiled product dispensing kit  
 (51) Int. Cl.  
 B65H 57/12 ( 2006.01 )  
 B65H 49/08 ( 2006.01 )  
 B65H 55/00 ( 2006.01 )  
 B65H 57/18 ( 2006.01 )  
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 (72) Le Dissez, Arnaud; Lavenne, Alain; Ferrer, Jean Paul  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2020289736 (22) 15.12.2020  
 (54) Coiled product dispensing kit  
 (51) Int. Cl.  
 B65H 57/12 ( 2006.01 )  
 B65H 49/08 ( 2006.01 )  
 B65H 55/00 ( 2006.01 )  
 B65H 57/18 ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
 G01N 33/53 ( 2006.01 )  
 C12Q 1/68 ( 2018.01 )  
 G01N 33/50 ( 2006.01 )

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 (74) Davies Collison Cave Pty Ltd

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(11) AU-A-2021203676  
(21) 2021203676 (22) 04.06.2021  
(54) TECHNIQUES FOR SCALING BAND-WIDTH OF AN UNLICENSED RADIO FREQUENCY SPECTRUM BAND  
(51) Int. Cl.  
*H04W 74/08* ( 2009.01 )  
(43) 01.07.2021  
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(72) Yerramalli, Srinivas; Luo, Tao; Sukhavasi, Ravi Teja; John Wilson, Makesh Pravin; Somasundaram, Kiran Kumar; Dabeer, Onkar Jayant; Malladi, Durga Prasad; Bhushan, Naga; Wei, Yongbin; Gaal, Peter; Chen, Wanshi; Xu, Hao; Damnjanovic, Aleksandar  
(74) Madderns Pty Ltd
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- (71) Quantum-Si Incorporated  
(11) AU-A-2021203568  
(21) 2021203568 (22) 01.06.2021  
(54) Integrated device with external light source for probing, detecting, and analyzing molecules  
(51) Int. Cl.  
*G01N 21/64* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
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(74) Davies Collison Cave Pty Ltd
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- (71) QU Biologics Inc.  
(11) AU-A-2021203627  
(21) 2021203627 (22) 03.06.2021  
(54) Immunogenic anti-inflammatory compositions  
(51) Int. Cl.  
*A61K 39/00* ( 2006.01 )  
*A61K 39/02* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*A61P 1/00* ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(21) 2019280097 (22) 13.12.2019  
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(51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
*G06Q 10/10* ( 2012.01 )  
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(43) 01.07.2021  
(72) McMenemy, Nicholas  
(74) Shelston IP Pty Ltd
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- (71) Revision Military Soldier Power, LLC  
(11) AU-A-2021203445  
(21) 2021203445 (22) 26.05.2021  
(54) Power manager with reconfigurable power converting circuits  
(51) Int. Cl.  
*G05F 1/66* ( 2006.01 )  
*H02J 1/04* ( 2006.01 )  
*H02J 3/46* ( 2006.01 )  
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(43) 01.07.2021  
(62) 2016355125  
(72) Long, David; Piela, Nicholas  
(74) Freshwater IP
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- (71) Robert Bosch GmbH  
(11) AU-A-2021203537  
(21) 2021203537 (22) 31.05.2021  
(54) A system programming tool and an alarm host equipped with the programming tool  
(51) Int. Cl.  
*G11C 7/10* ( 2006.01 )  
(43) 01.07.2021  
(62) 2016200063  
(72) CHEN, Beyond  
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- (71) Roda Futura, LLC  
(11) AU-A-2021203582  
(21) 2021203582 (22) 01.06.2021  
(54) Removable power assist for manual wheelchair  
(51) Int. Cl.  
*A61G 5/02* ( 2006.01 )  
*A61G 5/04* ( 2013.01 )  
(43) 01.07.2021  
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(72) PESKIN, Evan; NAGAR, Vivek; WILSON, Audrey; SLAVIN, Jonathan  
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- (71) Ronstan International Pty Ltd  
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(21) 2020286195 (22) 08.12.2020  
(54) Self-tailing winch  
(51) Int. Cl.  
*B66D 1/74* ( 2006.01 )  
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(11) AU-A-2021203623  
(21) 2021203623 (22) 03.06.2021  
(54) Secure processing of data  
(51) Int. Cl.  
*G06Q 20/38* ( 2012.01 )  
*H04W 4/24* ( 2018.01 )  
*H04W 12/04* ( 2021.01 )  
(43) 01.07.2021  
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(11) AU-A-2020204017  
(21) 2020204017 (22) 16.06.2020  
(54) PORTABLE TABLE  
(51) Int. Cl.  
*A47B 3/083* ( 2006.01 )  
*A47B 3/06* ( 2006.01 )  
*A47B 13/08* ( 2006.01 )  
*A47B 13/16* ( 2006.01 )  
(31) 2019904704 (32) 12.12.19 (33) AU  
(43) 01.07.2021  
(72) Thompson, Rebecca Jasmine  
(74) Mann IP
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(11) AU-A-2020289714  
(21) 2020289714 (22) 14.12.2020  
(54) DEVICES FOR DETECTING AN ARC FAULT AND ASSOCIATED ARC-FAULT-PROTECTION UNITS  
(51) Int. Cl.  
*H02H 1/00* ( 2006.01 )  
*G01R 31/50* ( 2020.01 )  
*H02H 3/08* ( 2006.01 )  
*H02H 3/46* ( 2006.01 )  
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(72) Raisigel, Hynek  
(74) Madderns Pty Ltd
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- (71) Seattle Children's Hospital (dba Seattle Children's Research Institute)  
(11) AU-A-2021203655  
(21) 2021203655 (22) 04.06.2021  
(54) Long poly (A) plasmids and methods for introduction of long poly (A) sequences into the plasmid  
(51) Int. Cl.  
*C12N 15/64* ( 2006.01 )  
*C07H 21/00* ( 2006.01 )  
*C12N 15/00* ( 2006.01 )  
*C12P 19/34* ( 2006.01 )  
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(11) AU-A-2021203673  
(21) 2021203673 (22) 04.06.2021  
(54) Propeller  
(51) Int. Cl.  
*B63H 1/26* ( 2006.01 )  
*F01D 5/14* ( 2006.01 )  
(43) 01.07.2021  
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(74) FPA Patent Attorneys Pty Ltd
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(11) AU-A-2020233609  
(21) 2020233609 (22) 14.09.2020  
(54) SYSTEMS AND METHODS FOR RECOMMENDING 2D IMAGE

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**G06T 15/10** ( 2011.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 30/02** ( 2012.01 )
- (31) 16/714,301 (32) 13.12.19 (33) US  
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- (43) 01.07.2021  
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 Mikko  
 (74) Murray Trento & Associates Pty Ltd
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 (11) AU-A-2021203666  
 (21) 2021203666 (22) 04.06.2021  
 (54) PRESSURE DISTRIBUTING ALIGNED  
 ARRAYS OF CUSHIONING VOID  
 CELLS
- (51) Int. Cl.  
**B68G 5/02** ( 2006.01 )  
**A47C 7/02** ( 2006.01 )  
**A47C 27/14** ( 2006.01 )  
**A47C 27/15** ( 2006.01 )  
**B68G 7/05** ( 2006.01 )
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 (62) 2016291232  
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 am; KANOUS, Trevor  
 (74) IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD
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- (71) Smart Bowl Pty Ltd  
 (11) AU-A-2020286237  
 (21) 2020286237 (22) 09.12.2020  
 (54) A cleaning system for a concrete mixing  
 drum or bowl
- (51) Int. Cl.  
**B28C 5/42** ( 2006.01 )  
**B08B 1/00** ( 2006.01 )  
**B28C 5/18** ( 2006.01 )
- (31) 2019904710 (32) 12.12.19 (33) AU  
 (43) 01.07.2021  
 (72) Claude Pusterla, Anthony  
 (74) Spruson & Ferguson
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- (71) Snap-on Incorporated  
 (11) AU-A-2021203573  
 (21) 2021203573 (22) 01.06.2021  
 (54) Inertial socket adaptor for torque applic-  
 ation tools
- (51) Int. Cl.  
**B25B 23/00** ( 2006.01 )
- (43) 01.07.2021  
 (62) 2020200276  
 (72) RETTLER, Jim T.  
 (74) Griffith Hack
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- (71) Sorrento Therapeutics, Inc.  
 (11) AU-A-2021203583  
 (21) 2021203583 (22) 01.06.2021  
 (54) Cartridge portion of transdermal drug  
 delivery apparatus and methods
- (51) Int. Cl.  
**A61M 37/00** ( 2006.01 )
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 Luke  
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- (71) Stamicarbon B.V.  
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 (21) 2021203662 (22) 04.06.2021  
 (54) SUBMICRON PARTICLE REMOVAL  
 FROM GAS STREAMS
- (51) Int. Cl.  
**B01D 47/06** ( 2006.01 )  
**B01D 47/10** ( 2006.01 )  
**B01D 53/58** ( 2006.01 )  
**C05C 9/00** ( 2006.01 )  
**C07C 273/16** ( 2006.01 )
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 leau, Marcel Julien; Heon, Jon Michael;  
 Dirkx, Wilfried Marc Renaat; Coloma  
 González, Juan  
 (74) Phillips Ormonde Fitzpatrick
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- Steward, D. see Automated Clinical  
 Guidelines, LLC**  
 (21) 2021203679
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- (71) Stonelake Pty. Ltd.  
 (11) AU-A-2021203737  
 (21) 2021203737 (22) 07.06.2021  
 (54) An elongate structural element, a  
 bracket and an elongate structural sec-  
 tion
- (51) Int. Cl.  
**E04C 3/04** ( 2006.01 )  
**B25B 5/14** ( 2006.01 )  
**E04B 2/58** ( 2006.01 )  
**E04C 3/32** ( 2006.01 )  
**E04G 5/06** ( 2006.01 )  
**E04G 7/04** ( 2006.01 )  
**F16B 7/04** ( 2006.01 )  
**F16B 9/00** ( 2006.01 )  
**F16L 3/08** ( 2006.01 )  
**F16L 3/12** ( 2006.01 )
- (43) 01.07.2021  
 (62) 2016228934  
 (72) Lake, Maurice Edward  
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 Guidelines, LLC**  
 (21) 2021203679
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- (71) Synhelion SA  
 (11) AU-A-2021203585  
 (21) 2021203585 (22) 01.06.2021  
 (54) PROCESSING SYSTEM FOR RECOV-  
 ERING HEAT, AND A METHOD FOR  
 OPERATING SAME
- (51) Int. Cl.  
**F24S 20/20** ( 2018.01 )  
**F28D 20/00** ( 2006.01 )
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 (62) 2016246170  
 (72) Pedretti - Rodi, Andrea  
 (74) Phillips Ormonde Fitzpatrick
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- (71) Taizhou Huali Plastic Co., Ltd.  
 (11) AU-A-2021203733  
 (21) 2021203733 (22) 07.06.2021  
 (54) PVC board and method of manufacture
- (51) Int. Cl.  
**E04F 13/077** ( 2006.01 )  
**B32B 27/30** ( 2006.01 )  
**B32B 33/00** ( 2006.01 )  
**C08L 27/06** ( 2006.01 )  
**C08L 27/24** ( 2006.01 )
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 (62) 2017412552  
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 Yuan, Jun  
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 (11) AU-A-2021203512  
 (21) 2021203512 (22) 28.05.2021  
 (54) Interpretation of a dataset
- (51) Int. Cl.  
**G06F 17/00** ( 2019.01 )
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 Saikia, Sarmimala; Srinivasan, Ashwin  
 (74) FB Rice Pty Ltd
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- (71) Telefonaktiebolaget LM Ericsson  
 (PUBL)  
 (11) AU-A-2021203632  
 (21) 2021203632 (22) 03.06.2021  
 (54) Power control enhancement for random  
 access
- (51) Int. Cl.  
**H04W 52/18** ( 2009.01 )  
**H04W 74/08** ( 2009.01 )
- (43) 01.07.2021  
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 (72) Christoffersson, Jan  
 (74) AJ PARK
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- (71) Terremoto Limited  
 (11) AU-A-2019280079  
 (21) 2019280079 (22) 13.12.2019  
 (54) MASONRY HARDWARE
- (51) Int. Cl.  
**F16B 25/00** ( 2006.01 )  
**F16B 5/02** ( 2006.01 )  
**F16B 23/00** ( 2006.01 )  
**F16B 35/06** ( 2006.01 )
- (43) 01.07.2021  
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 (74) Ellis Terry
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- (71) The Brain Protection Company Pty Ltd  
 (11) AU-A-2021203415  
 (21) 2021203415 (22) 25.05.2021  
 (54) Implantable damping device for modify-  
 ing blood flow characteristics
- (51) Int. Cl.

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**A61F 2/06** ( 2013.01 )  
**A61F 2/89** ( 2013.01 )  
**(43)** 01.07.2021  
**(62)** 2018359016  
**(72)** CELERMAJER, David Stephen;  
 UJHAZY, Anthony John; MILIJASEVIC,  
 Zoran  
**(74)** Cotters Patent & Trade Mark Attorneys

**(71)** The Broad Institute, Inc.; Massachu-  
 setts Institute of Technology; President  
 and Fellows of Harvard College  
**(11)** AU-A-2021203747  
**(21)** 2021203747 **(22)** 07.06.2021  
**(54)** Novel Type VI CRISPR orthologs and  
 systems  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018271372  
**(72)** Zhang, Feng; Abudayyeh, Omar O.;  
 Gootenberg, Jonathan; Lander, Eric S.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** The Coca-Cola Company  
**(11)** AU-A-2021203660  
**(21)** 2021203660 **(22)** 04.06.2021  
**(54)** BIO-BASED POLYETHYLENE TERE-  
 PHTHALATE PACKAGING AND  
 METHOD OF MAKING THEREOF  
**(51)** Int. Cl.  
**C08G 63/183** ( 2006.01 )  
**B65D 65/46** ( 2006.01 )  
**C08L 67/03** ( 2006.01 )  
**C08L 101/16** ( 2006.01 )  
**D01F 6/62** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018282377  
**(72)** Kriegel, Robert M.; Huang, Xiaoyan;  
 Schultheis, Mikell; Kolls, Brock H.  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** The Coca-Cola Company  
**(11)** AU-A-2021203661  
**(21)** 2021203661 **(22)** 04.06.2021  
**(54)** BIO-BASED POLYETHYLENE TERE-  
 PHTHALATE POLYMER AND METH-  
 OD OF MAKING THE SAME  
**(51)** Int. Cl.  
**C08G 63/183** ( 2006.01 )  
**C08G 63/06** ( 2006.01 )  
**C08G 63/19** ( 2006.01 )  
**C08G 63/91** ( 2006.01 )  
**C08L 3/00** ( 2006.01 )  
**C08L 67/03** ( 2006.01 )  
**C08L 67/04** ( 2006.01 )  
**C08L 93/00** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2018282376  
**(72)** Kriegel, Robert M.; Huang, Xiaoyan;  
 Schultheis, Mikell W.  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** The Goodyear Tire & Rubber Company  
**(11)** AU-A-2020286203  
**(21)** 2020286203 **(22)** 08.12.2020

**(54)** Method of estimating tire conditions  
**(51)** Int. Cl.  
**B60C 11/24** ( 2006.01 )  
**B60C 23/04** ( 2006.01 )  
**B60C 23/06** ( 2006.01 )  
**G01M 17/02** ( 2006.01 )  
**(31)** 62/948,880 **(32)** 17.12.19 **(33)** US  
**(43)** 01.07.2021  
**(72)** KELLY, Brandon Charles; MILLIREN,  
 Mark Robert; MORRIS, Brian Richard  
**(74)** Spruson & Ferguson

**(71)** The J. David Gladstone Institutes; The  
 Regents of the University of California;  
 Ithaca College  
**(11)** AU-A-2021203726  
**(21)** 2021203726 **(22)** 07.06.2021  
**(54)** MEDIUM CHAIN FATTY ACID ESTERS  
 OF BETA-HYDROXYBUTYRATE AND  
 BUTANEDIOL AND COMPOSITIONS  
 AND METHODS FOR USING SAME  
**(51)** Int. Cl.  
**G02F 1/1368** ( 2006.01 )  
**G02B 1/08** ( 2006.01 )  
**G02B 5/30** ( 2006.01 )  
**G02F 1/1335** ( 2006.01 )  
**G02F 1/13363** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2017278099  
**(72)** Verdin, Eric; Ulrich, Scott; Newman,  
 John  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** The Regents of the University of Cali-  
 fornia  
**(11)** AU-A-2021203542  
**(21)** 2021203542 **(22)** 31.05.2021  
**(54)** ANTI-RYK ANTIBODIES AND METH-  
 ODS OF USING THE SAME  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2017245099  
**(72)** Zou, Yimin  
**(74)** Gestalt Law Pty Ltd

**The Regents of the University of California**  
**see The J. David Gladstone Institutes**  
**(21)** 2021203726

**(71)** Theriac Biomedicale Inc  
**(11)** AU-A-2021203540  
**(21)** 2021203540 **(22)** 31.05.2021  
**(54)** PPAR-gamma activators and their  
 therapeutical usages  
**(51)** Int. Cl.  
**A61K 31/192** ( 2006.01 )  
**A61K 31/222** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07C 63/08** ( 2006.01 )  
**C07C 69/157** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2016363691  
**(72)** Antakly, Tony  
**(74)** IP SOLVED (ANZ) PTY. LTD.

**(71)** The Trustees of the University of  
 Pennsylvania; Novartis AG  
**(11)** AU-A-2021203547  
**(21)** 2021203547 **(22)** 01.06.2021  
**(54)** Human mesothelin chimeric antigen re-  
 ceptors and uses thereof  
**(51)** Int. Cl.  
**C12N 15/62** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2014366047  
**(72)** Beatty, Gregory; Engels, Boris; Idam-  
 akanti, Neeraja; June, Carl H.; Loew,  
 Andreas; Song, Huijuan; Wu, Qilong  
**(74)** Davies Collison Cave Pty Ltd

**The Trustees of the University of**  
**Pennsylvania see Novartis AG**  
**(21)** 2021203566

**(71)** The Trustees of the University of  
 Pennsylvania; Inovio Pharmaceuticals,  
 Inc.  
**(11)** AU-A-2021203643  
**(21)** 2021203643 **(22)** 03.06.2021  
**(54)** DNA antibody constructs and method of  
 using same  
**(51)** Int. Cl.  
**A61K 39/42** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019202343  
**(72)** WEINER, Daivd B.; MUTHUMANI,  
 Karupiah; SARDESAI, Niranjan;  
 FLINGAI, Seleeke  
**(74)** FB Rice Pty Ltd

**(71)** The United States of America, as rep-  
 resented by the Secretary, Department  
 of Health and Human Services  
**(11)** AU-A-2021203746  
**(21)** 2021203746 **(22)** 07.06.2021  
**(54)** T cell receptors recognizing MHC class  
 II-restricted MAGE-A3  
**(51)** Int. Cl.  
**C07K 14/73** ( 2006.01 )  
**(43)** 01.07.2021  
**(62)** 2019213329  
**(72)** ROSENBERG, Steven A.; ROBBINS,  
 Paul F.; YAO, Xin  
**(74)** Spruson & Ferguson

**The University of Tokyo see Osaka Uni-**  
**versity**  
**(21)** 2021203496

Applications Open to Public Inspection - Name Index cont'd

(71) Transportation IP Holdings, LLC  
 (11) AU-A-2021203703  
 (21) 2021203703 (22) 07.06.2021  
 (54) VIDEO SYSTEM AND METHOD FOR DATA COMMUNICATION  
 (51) Int. Cl.  
*H04N 5/77* ( 2006.01 )  
*B64C 29/02* ( 2006.01 )  
*H04N 7/18* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019205977  
 (72) Kraeling, Mark Bradshaw; Miner, Michael Scott; Clouse, Shannon Joseph; Azam, Anwarul; Blair, Matthew Lawrence; Naithani, Nidhi; Rao, Dattaraj Jagdish; Bind, Anju; Chaki, Sreyashi Dey; Nelson, Scott Daniel; Naphade, Nikhil Uday; Ballesty, Daniel Malachi; Shaffer, Glenn Robert; Kisak, Jeffrey James; Chung, Wing Yeung  
 (74) Phillips Ormonde Fitzpatrick

**TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH see BioNTech Cell & Gene Therapies GmbH**  
 (21) 2021203528

(71) TuSimple, Inc.  
 (11) AU-A-2020270486  
 (21) 2020270486 (22) 17.11.2020  
 (54) Data integration from multiple sensors  
 (51) Int. Cl.  
*G05D 1/02* ( 2020.01 )  
*G01S 17/88* ( 2006.01 )  
 (31) 201911306101.0 (32) 17.12.19 (33) CN  
 (43) 01.07.2021  
 (72) GE, Lingting; WANG, Yijie; GAN, Yiqian; HAO, Jianan; HOU, Xiaodi  
 (74) FB Rice Pty Ltd

(71) University of Massachusetts  
 (11) AU-A-2021203625  
 (21) 2021203625 (22) 03.06.2021  
 (54) NEGATIVE PRESSURE WOUND CLOSURE DEVICE  
 (51) Int. Cl.  
*A61B 17/03* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019268043  
 (72) Dunn, Raymond  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Veronika, K.  
 (11) AU-A-2020289783  
 (21) 2020289783 (22) 16.12.2020  
 (54) Pet door apparatus  
 (51) Int. Cl.  
*E06B 7/32* ( 2006.01 )  
 (31) 2019904758 (32) 16.12.19 (33) AU  
 (43) 01.07.2021  
 (72) Veronika, Kristian  
 (74) Ascot Martin

(71) Vetco Gray Inc.  
 (11) AU-A-2021203618  
 (21) 2021203618 (22) 03.06.2021  
 (54) Systems and methods for monitoring subsea wellhead systems  
 (51) Int. Cl.  
*E21B 33/035* ( 2006.01 )  
*E21B 33/043* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2018243507  
 (72) Bird, Derrell Wade; Yates, Chad Eric  
 (74) FPA Patent Attorneys Pty Ltd

(71) Victaulic Company  
 (11) AU-A-2021203527  
 (21) 2021203527 (22) 31.05.2021  
 (54) Pipe grooving device  
 (51) Int. Cl.  
*A62C 35/68* ( 2006.01 )  
*B21B 27/02* ( 2006.01 )  
*B21D 15/04* ( 2006.01 )  
*B21D 15/06* ( 2006.01 )  
*B21D 17/02* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2018388797  
 (72) DOLE, Douglas R.  
 (74) Spruson & Ferguson

(71) W. L. Gore & Associates, Inc.  
 (11) AU-A-2021203695  
 (21) 2021203695 (22) 04.06.2021  
 (54) Integrated aqueous shunt for glaucoma treatment  
 (51) Int. Cl.  
*A61F 9/007* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2018236437  
 (72) ROEBER, Peter J.; TOWLER, Jeffrey C.  
 (74) Griffith Hack

**Washington University see Celgene Corporation**  
 (21) 2021203571

(71) Waymo LLC  
 (11) AU-A-2021203701  
 (21) 2021203701 (22) 04.06.2021  
 (54) RECOGNIZING ASSIGNED PASSENGERS FOR AUTONOMOUS VEHICLES  
 (51) Int. Cl.  
*G06Q 50/30* ( 2012.01 )  
*G05D 1/02* ( 2020.01 )  
*G08G 1/0968* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2018318833  
 (72) DYER, John Wesley; TORRES, Luis; EPSTEIN, Michael; CHEN, Yu-Hsin  
 (74) RnB IP Pty Ltd

(71) Westermann KG  
 (11) AU-A-2020286188  
 (21) 2020286188 (22) 08.12.2020  
 (54) DRAWER, IN PARTICULAR KITCHEN CABINET DRAWER

(51) Int. Cl.  
*A47B 88/49* ( 2017.01 )  
*A47B 88/938* ( 2017.01 )  
 (31) 20 2019 106 909.0 (32) 11.12.19 (33) DE  
 20 2020 102 691.7 13.05.20 DE  
 (43) 01.07.2021  
 (72) Neuhaus, Hendrik  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) WestRock Shared Services, LLC  
 (11) AU-A-2020289723  
 (21) 2020289723 (22) 14.12.2020  
 (54) Shippers with a constant depth  
 (51) Int. Cl.  
*B65D 5/54* ( 2006.01 )  
*B65D 5/18* ( 2006.01 )  
 (31) 16/712,477 (32) 12.12.19 (33) US  
 (43) 01.07.2021  
 (72) SIMPKINS, Kevin M.; JAMES, Jeffrey S.  
 (74) Spruson & Ferguson

(71) Wienerberger BV  
 (11) AU-A-2020286309  
 (21) 2020286309 (22) 11.12.2020  
 (54) Dry stacking system  
 (51) Int. Cl.  
*E04B 2/08* ( 2006.01 )  
*E04B 1/38* ( 2006.01 )  
*E04C 1/39* ( 2006.01 )  
*E04F 13/08* ( 2006.01 )  
 (31) BE-2019/5888 (32) 11.12.19 (33) BE  
 (43) 01.07.2021  
 (72) DEN DAAS, Gert Jan; BIERENS, Walter; VAN HAM, Stef; VAN DROOGENBROECK, Sebastian; VAN DER PLUJIM, Rob; MULDER, Rob  
 (74) Cotters Patent & Trade Mark Attorneys

(71) Willow Innovations, Inc.  
 (11) AU-A-2021203631  
 (21) 2021203631 (22) 03.06.2021  
 (54) Synchronizing breast pumping with infant feeding  
 (51) Int. Cl.  
*A61M 1/06* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019210556  
 (72) Barral, Joelle; Chandra, Venita; Garrett, Mary; Hudak, Jessica; Nayak, Asha; Palmer, Erika; Ruggles, Sandra; Tang, Beverly  
 (74) Davies Collison Cave Pty Ltd

(71) xCraft Enterprises, LLC  
 (11) AU-A-2021203594  
 (21) 2021203594 (22) 02.06.2021  
 (54) High speed multi-rotor vertical takeoff and landing aircraft  
 (51) Int. Cl.  
*B64C 29/02* ( 2006.01 )  
 (43) 01.07.2021  
 (62) 2019206088  
 (72) Claridge, Jerry Daniel; Manning, Charles Fischer  
 (74) AJ PARK

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

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**Xuzhou Goldfluid Hydraulic Technology  
Development Co., Ltd see China University  
of Mining and Technology**  
(21) 2020267195

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(71) YEH, T.I.  
(11) AU-A-2020201529  
(21) 2020201529 (22) 02.03.2020  
(54) APPARATUS FOR TYING A BOARD  
TO A VEHICLE ROOF  
(51) Int. Cl.  
B60P 7/06 ( 2006.01 )  
B60R 9/04 ( 2006.01 )  
B60R 9/058 ( 2006.01 )  
(31) 108145604 (32) 12.12.19 (33) TW  
(43) 01.07.2021  
(72) YEH, Tzong In  
(74) AJ PARK

Numerical Index

<b>2019279964</b>	I.C. Medical, Inc.	<b>2020289783</b>	Veronika, K.
<b>2019280079</b>	Terremoto Limited	<b>2020289791</b>	CMI Solutions Pty Ltd
<b>2019280097</b>	Renewtrak Global Services Pty Ltd	<b>2020289837</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2019280098</b>	3M Innovative Properties Company		
<b>2019283772</b>	Campbell, S.	<b>2020385370</b>	Intuit Inc.
<b>2019283775</b>	Couplemate Investments Pty Ltd	<b>2021203368</b>	Kemira Oyj
<b>2019369206</b>	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	<b>2021203372</b>	FRINGERO, B.
		<b>2021203401</b>	NuVasive, Inc.
<b>2020200304</b>	Guangdong Hongshan Medical Device Technology Co., Ltd	<b>2021203415</b>	The Brain Protection Company Pty Ltd
		<b>2021203420</b>	GyroGear Limited
<b>2020201529</b>	YEH, T.I.	<b>2021203444</b>	LG Electronics Inc.
<b>2020202403</b>	Meinan Machinery Works, Inc.	<b>2021203445</b>	Revision Military Soldier Power, LLC
<b>2020202505</b>	FUJIFILM Business Innovation Corp.	<b>2021203462</b>	Miles, S.
<b>2020203566</b>	NISCO CO., LTD	<b>2021203480</b>	Fate Therapeutics, Inc.
<b>2020204017</b>	Sand Bar Co Pty Ltd	<b>2021203481</b>	iCell Gene Therapeutics, LLC
<b>2020223756</b>	Daon Holdings Limited	<b>2021203482</b>	F. Hoffman-La Roche AG
<b>2020227024</b>	Harbin Medical University	<b>2021203485</b>	llumina, Inc.
<b>2020230271</b>	implantcast GmbH	<b>2021203495</b>	Jetoptera, Inc.
<b>2020230273</b>	implantcast GmbH	<b>2021203496</b>	Osaka University; The University of Tokyo
<b>2020233609</b>	Shopify Inc.	<b>2021203497</b>	Orion Corporation
<b>2020233730</b>	Infosys Limited	<b>2021203503</b>	Cartiva, Inc.
<b>2020233738</b>	Conveyor Innovations Pty Ltd	<b>2021203511</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2020256390</b>	Aireon LLC		
<b>2020264279</b>	Coupang Corp.	<b>2021203512</b>	Tata Consultancy Services Limited
<b>2020264286</b>	Coupang Corp.	<b>2021203518</b>	Apple Inc.
<b>2020267195</b>	China University of Mining and Technology; Xuzhou Goldfluid Hydraulic Technology Development Co., Ltd	<b>2021203520</b>	BP Corporation North America Inc.
		<b>2021203522</b>	Haddy, A.
<b>2020270486</b>	TuSimple, Inc.	<b>2021203523</b>	AVEO Pharmaceuticals, Inc.
<b>2020273348</b>	Dansons US, LLC	<b>2021203524</b>	Becton, Dickinson and Company
<b>2020273350</b>	Dansons US, LLC	<b>2021203525</b>	Auris Health, Inc.
<b>2020273379</b>	Dansons US, LLC	<b>2021203527</b>	Victaulic Company
<b>2020277133</b>	Mine Projects Australia Pty Ltd	<b>2021203528</b>	BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Ganymed Pharmaceuticals GmbH
<b>2020277170</b>	Disney Enterprises, Inc.	<b>2021203530</b>	Bioniz, LLC
<b>2020277174</b>	CATERPILLAR INC.	<b>2021203531</b>	Johnson & Johnson Consumer Inc.
<b>2020277177</b>	Manitou Italia S.r.l.	<b>2021203534</b>	Halliburton Energy Services, Inc.
<b>2020277182</b>	Manitou Italia S.r.l.	<b>2021203535</b>	Micro Motion, Inc.
<b>2020277183</b>	HONEYWELL INTERNATIONAL INC.	<b>2021203537</b>	Robert Bosch GmbH
<b>2020277198</b>	HONEYWELL INTERNATIONAL INC.	<b>2021203538</b>	llumina, Inc.
<b>2020277234</b>	CATERPILLAR GLOBAL MINING EQUIPMENT LLC	<b>2021203540</b>	Theriac Biomedicale Inc
<b>2020277285</b>	Caterpillar Inc.	<b>2021203542</b>	The Regents of the University of California
<b>2020277287</b>	CATERPILLAR INC.	<b>2021203545</b>	Hanwha Azdel, Inc.
<b>2020277289</b>	CATERPILLAR GLOBAL MINING EQUIPMENT LLC	<b>2021203546</b>	Fisher & Paykel Healthcare Limited
<b>2020277292</b>	CATERPILLAR INC.	<b>2021203547</b>	The Trustees of the University of Pennsylvania; Novartis AG
<b>2020281044</b>	Coupang Corp.		
<b>2020281166</b>	Aristocrat Technologies, Inc.	<b>2021203564</b>	Novartis AG
<b>2020281168</b>	Craig, T.	<b>2021203566</b>	Novartis AG; The Trustees of the University of Pennsylvania
<b>2020286179</b>	Brian Investments Pty Ltd	<b>2021203568</b>	Quantum-Si Incorporated
<b>2020286188</b>	Westermann KG	<b>2021203570</b>	Acres Technology
<b>2020286195</b>	Ronstan International Pty Ltd	<b>2021203571</b>	Celgene Corporation; Washington University
<b>2020286203</b>	The Goodyear Tire & Rubber Company	<b>2021203572</b>	Bayer Pharma Aktiengesellschaft; Bayer Aktiengesellschaft
<b>2020286237</b>	Smart Bowl Pty Ltd		
<b>2020286243</b>	Marchesan Implementos e Máquinas Agrícolas Tatu S.A.	<b>2021203573</b>	Snap-on Incorporated
<b>2020286249</b>	Angel Playing Cards Co., Ltd.	<b>2021203575</b>	Lumenis Ltd
<b>2020286274</b>	China University of Mining and Technology	<b>2021203579</b>	QIAGEN Australia Holding Pty. Ltd.
<b>2020286309</b>	Wienerberger BV	<b>2021203582</b>	Roda Futura, LLC
<b>2020286312</b>	CCCC (Tianjin) Eco-environmental Protection Design & Research Institute Co., Ltd.	<b>2021203583</b>	Sorrento Therapeutics, Inc.
<b>2020286317</b>	Joy Global Surface Mining Inc.	<b>2021203584</b>	LAA INDUSTRIES PTY LTD
<b>2020286326</b>	A & J AUSTRALIA PTY LTD	<b>2021203585</b>	Synhelion SA
<b>2020286328</b>	Futura IP Limited	<b>2021203589</b>	KA'ANA WAVE COMPANY INC.
<b>2020286329</b>	A & J AUSTRALIA PTY LTD	<b>2021203590</b>	Nevro Corporation
<b>2020286333</b>	Larkin & Shoushani Solutions Pty Ltd	<b>2021203591</b>	Becton, Dickinson and Company
<b>2020289713</b>	Manitou Italia S.r.l.	<b>2021203592</b>	Precedence Health Care Pty Ltd
<b>2020289714</b>	Schneider Electric Industries SAS	<b>2021203593</b>	CB Therapeutics, Inc.
<b>2020289723</b>	WestRock Shared Services, LLC	<b>2021203594</b>	xCraft Enterprises, LLC
<b>2020289734</b>	Prysmian S.p.A.		
<b>2020289736</b>	Prysmian S.p.A.		

Applications Open to Public Inspection - Numerical Index cont'd

<b>2021203597</b>	Cedars-Sinai Medical Center	<b>2021203696</b>	Lyster, J.
<b>2021203598</b>	Intuit, Inc.	<b>2021203698</b>	Aristocrat Technologies Australia Pty Limited
<b>2021203599</b>	FUNDACIO INSTITUT DE RECERCA BIOMEDICA (IRB BARCELONA); INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS	<b>2021203699</b>	Intellijoint Surgical Inc.
<b>2021203600</b>	LG ELECTRONICS INC.	<b>2021203700</b>	IMASCAP
<b>2021203601</b>	Google LLC	<b>2021203701</b>	Waymo LLC
<b>2021203605</b>	Kaleido Biosciences, Inc.	<b>2021203703</b>	Transportation IP Holdings, LLC
<b>2021203606</b>	Board of Regents, The University of Texas System	<b>2021203706</b>	Dropbox, Inc.
<b>2021203610</b>	Coupang Corp.	<b>2021203714</b>	Acoustic Zoom, Inc.
<b>2021203612</b>	LG ELECTRONICS INC.	<b>2021203726</b>	The J. David Gladstone Institutes; The Regents of the University of California; Ithaca College
<b>2021203614</b>	Havah Therapeutics Pty Ltd	<b>2021203728</b>	Freedom Solutions Group, LLC d/b/a Microsystems, Inc.
<b>2021203618</b>	Vetco Gray Inc.	<b>2021203730</b>	Grannus, LLC
<b>2021203620</b>	Erasmus University Medical Center Rotterdam	<b>2021203733</b>	Taizhou Huali Plastic Co., Ltd.
<b>2021203623</b>	Royal Bank of Canada	<b>2021203734</b>	F. Hoffmann-La Roche AG
<b>2021203625</b>	University of Massachusetts	<b>2021203736</b>	Brisa International LLC
<b>2021203626</b>	Cell Design Labs, Inc.	<b>2021203737</b>	Stonelake Pty. Ltd.
<b>2021203627</b>	QU Biologics Inc.	<b>2021203738</b>	Apple Inc.
<b>2021203628</b>	OntheMuV, Inc.	<b>2021203739</b>	Intersurgical AG
<b>2021203629</b>	Daikin Industries, Ltd.	<b>2021203740</b>	Fraser, M.
<b>2021203630</b>	Huawei Technologies Co., Ltd.	<b>2021203741</b>	Bellicum Pharmaceuticals, Inc.
<b>2021203631</b>	Willow Innovations, Inc.	<b>2021203743</b>	Lyra Therapeutics, Inc.
<b>2021203632</b>	Telefonaktiebolaget LM Ericsson (PUBL)	<b>2021203744</b>	Innate Pharma
<b>2021203633</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2021203746</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2021203635</b>	Magic Leap, Inc.	<b>2021203747</b>	The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College
<b>2021203636</b>	Apple Inc.		
<b>2021203639</b>	Corning Optical Communications LLC		
<b>2021203640</b>	Foundation Medicine, Inc.; Genentech, Inc.		
<b>2021203643</b>	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.		
<b>2021203646</b>	Intuit Inc.		
<b>2021203648</b>	Gradiant Corporation		
<b>2021203649</b>	Murphy, S.; Murphy, W.		
<b>2021203650</b>	GlaxoSmithKline Intellectual Property Development Limited		
<b>2021203651</b>	Chipcare Corporation		
<b>2021203652</b>	CareFusion 303, Inc.		
<b>2021203653</b>	Acutus Medical, Inc.		
<b>2021203654</b>	Dexcom, Inc.		
<b>2021203655</b>	Seattle Children's Hospital (dba Seattle Children's Research Institute)		
<b>2021203658</b>	Horizon Quantum Computing PTE. LTD.		
<b>2021203659</b>	BALLANCE AGRI-NUTRIENTS LIMITED		
<b>2021203660</b>	The Coca-Cola Company		
<b>2021203661</b>	The Coca-Cola Company		
<b>2021203662</b>	Stamicarbon B.V.		
<b>2021203666</b>	Skydex Technologies, Inc.		
<b>2021203669</b>	Apple Inc.		
<b>2021203670</b>	ConMed Corporation		
<b>2021203671</b>	Mars, Incorporated		
<b>2021203672</b>	Illumina, Inc.; Illumina Cambridge Limited		
<b>2021203673</b>	Sharrow Engineering LLC		
<b>2021203674</b>	FISHER & PAYKEL HEALTHCARE LIMITED		
<b>2021203675</b>	Johnson & Johnson Consumer Inc.		
<b>2021203676</b>	Qualcomm Incorporated		
<b>2021203677</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.		
<b>2021203678</b>	Conlan, K.		
<b>2021203679</b>	Automated Clinical Guidelines, LLC; Dew, D.; Halpern, S.; Engler, H.; Steward, D.; Dew, D.; Dew, D.; Stratton, S.		
<b>2021203685</b>	Cornell University		
<b>2021203686</b>	Intervet International B.V.		
<b>2021203687</b>	Lyteloo Technologies, LLC		
<b>2021203688</b>	Blinxel Pty Ltd		
<b>2021203690</b>	Aqualand Industries Limited		
<b>2021203691</b>	Eloxx Pharmaceuticals Ltd.		
<b>2021203692</b>	Breville USA, Inc.		
<b>2021203693</b>	LOGINED B.V		
<b>2021203694</b>	LG Electronics Inc.		
<b>2021203695</b>	W. L. Gore & Associates, Inc.		



IPC Index

<b><u>A01D 41 /-</u></b> 2020286243	<b><u>A61B 5 /-</u></b> 2021203401 2021203420 2021203511	2021203606	2021203627 2021203734 2021203744	<b><u>B01J 8 /-</u></b> 2021203730	<b><u>B60K 11 /-</u></b> 2020277287
<b><u>A23B 4 /-</u></b> 2020273348	2021203525 2021203654	<b><u>A61K 48 /-</u></b> 2021203547 2021203643	<b><u>A61P 31 /-</u></b> 2021203650	<b><u>B05B 1 /-</u></b> 2021203589	<b><u>B60K 17 /-</u></b> 2020277174
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	<b><u>A61K 45 /-</u></b> 2021203564 2021203605	<b><u>A61P 25 /-</u></b> 2021203572	<b><u>B01J 20 /-</u></b> 2021203633	<b><u>B60C 23 /-</u></b> 2020286203	<b><u>B64C 29 /-</u></b> 2021203594 2021203703
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Applications Open to Public Inspection - IPC Index cont'd

<b>B64D 29 /-</b> 2021203495	<b>C02F 1 /-</b> 2020286312 2021203648	2021203497	<b>C08L 27 /-</b> 2021203733	<b>E02B 1 /-</b> 2021203589	2020277289
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<b>B65D 5 /-</b> 2020289723	<b>C05B 1 /-</b> 2021203659	<b>C07D 487 /-</b> 2021203734	<b>C09K 15 /-</b> 2021203659	<b>E03C 1 /-</b> 2020286333	<b>E21D 21 /-</b> 2021203696
<b>B65D 65 /-</b> 2021203660	<b>C05C 9 /-</b> 2021203662	<b>C07D 498 /-</b> 2021203572	<b>C09K 17 /-</b> 2021203659	<b>E04B 1 /-</b> 2020286309	<b>F01D 5 /-</b> 2021203673
<b>B65D 85 /-</b> 2020286329	<b>C05G 3 /-</b> 2021203659	<b>C07H 15 /-</b> 2021203691	<b>C09K 8 /-</b> 2021203368	<b>E04B 2 /-</b> 2020286309 2021203737	<b>F02K 1 /-</b> 2021203495
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<b>B65H 57 /-</b> 2020289734 2020289736	<b>C07D 207 /-</b> 2021203482	<b>C07K 19 /-</b> 2021203481 2021203496	<b>C12P 21 /-</b> 2021203496 2021203643	<b>E04G 5 /-</b> 2021203737	<b>F16B 23 /-</b> 2019280079
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<b>B66F 11 /-</b> 2021203462	<b>C07D 271 /-</b> 2021203482	<b>C08F 20 /-</b> 2021203368	<b>C40B 70 /-</b> 2021203640	<b>E06B 7 /-</b> 2020289783	<b>F16B 9 /-</b> 2021203737
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	<b>C07D 413 /-</b> 2021203482				<b>F24C 15 /-</b> 2020273379

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

<b><u>F24S 20 /-</u></b> 2021203585	<b><u>G01V 1 /-</u></b> 2021203520 2021203714	<b><u>G06N 3 /-</u></b> 2021203538	<b><u>H01J 49 /-</u></b> 2020277183	<b><u>H04W 88 /-</u></b> 2021203630
<b><u>F28D 20 /-</u></b> 2021203585	<b><u>G01V 3 /-</u></b> 2021203522	<b><u>G06Q 10 /-</u></b> 2019280097 2020202505 2020264279 2020264286 2021203610 2021203629 2021203646	<b><u>H01L 27 /-</u></b> 2021203485	<b>No IPC Mark</b>
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<b><u>G01C 21 /-</u></b> 2021203690	<b><u>G02B 1 /-</u></b> 2021203726	<b><u>G06Q 30 /-</u></b> 2019280097 2020233609 2021203610	<b><u>H02H 1 /-</u></b> 2020289714	
<b><u>G01C 22 /-</u></b> 2019283775	<b><u>G02B 27 /-</u></b> 2021203635	<b><u>G06Q 40 /-</u></b> 2021203646	<b><u>H02H 3 /-</u></b> 2020289714	
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<b><u>G01F 15 /-</u></b> 2021203535	<b><u>G02B 6 /-</u></b> 2021203635 2021203639 2021203687	<b><u>G06T 15 /-</u></b> 2020233609 2021203688	<b><u>H02J 13 /-</u></b> 2021203445	
<b><u>G01F 25 /-</u></b> 2021203535	<b><u>G02F 1 /-</u></b> 2021203726	<b><u>G06T 7 /-</u></b> 2021203629 2021203688	<b><u>H02J 3 /-</u></b> 2021203445	
<b><u>G01J 1 /-</u></b> 2021203635	<b><u>G03B 15 /-</u></b> 2020277170	<b><u>G07F 17 /-</u></b> 2020281166 2021203570 2021203698	<b><u>H02P 1 /-</u></b> 2021203584	
<b><u>G01J 3 /-</u></b> 2020227024	<b><u>G05D 1 /-</u></b> 2020270486 2020286243 2021203701	<b><u>G08B 13 /-</u></b> 2021203601	<b><u>H02P 9 /-</u></b> 2021203584	
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<b><u>G01N 23 /-</u></b> 2020289837	<b><u>G06F 21 /-</u></b> 2020281166 2020286249 2021203598	<b><u>G08G 5 /-</u></b> 2020256390	<b><u>H04N 13 /-</u></b> 2021203688	
<b><u>G01N 27 /-</u></b> 2021203672	<b><u>G06F 3 /-</u></b> 2021203518 2021203636	<b><u>G10L 21 /-</u></b> 2021203677	<b><u>H04N 19 /-</u></b> 2021203738	
<b><u>G01N 33 /-</u></b> 2021203579 2021203620 2021203627 2021203640 2021203685	<b><u>G06F 8 /-</u></b> 2021203658	<b><u>G10L 25 /-</u></b> 2021203677	<b><u>H04N 21 /-</u></b> 2020233730	
<b><u>G01P 3 /-</u></b> 2019283775	<b><u>G06F 9 /-</u></b> 2021203610	<b><u>G11C 7 /-</u></b> 2021203537	<b><u>H04N 5 /-</u></b> 2020277170 2021203703	
<b><u>G01R 31 /-</u></b> 2020289714	<b><u>G06K 9 /-</u></b> 2019369206 2020223756 2021203522 2021203688	<b><u>G16H 10 /-</u></b> 2021203679	<b><u>H04N 7 /-</u></b> 2021203703	
<b><u>G01S 13 /-</u></b> 2021203687	<b><u>G06N 10 /-</u></b> 2020277198 2021203658	<b><u>H01J 3 /-</u></b> 2020277183	<b><u>H04Q 9 /-</u></b> 2021203687	
<b><u>G01S 17 /-</u></b> 2020270486	<b><u>G06N 20 /-</u></b> 2020233609		<b><u>H04W 12 /-</u></b> 2021203623 2021203630	
<b><u>G01S 19 /-</u></b> 2020256390			<b><u>H04W 4 /-</u></b> 2021203623 2021203630	
<b><u>G01S 3 /-</u></b> 2021203687			<b><u>H04W 52 /-</u></b> 2021203632	
			<b><u>H04W 74 /-</u></b> 2021203632 2021203676	

**Innovation Patents Open to Public Inspection**

**Name Index**

. (\*) 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.)

<p>(71) 4D Mapper Pty Ltd (11) AU-A-2019101803 (21) 2019101803 (22) 13.06.2019 (54) A contained area network and a processor (51) Int. Cl. G06T 17/05 ( 2011.01 ) G01C 11/00 ( 2006.01 ) G06F 15/16 ( 2006.01 ) G06Q 50/02 ( 2012.01 ) G06F 9/455 ( 2018.01 ) G06T 7/00 ( 2017.01 ) G06T 19/00 ( 2011.01 ) (45) 01.07.2021 (72) KLAU, Robert; CHABOK, Adam (74) Phoenix Intellectual Property</p>	<p>Swarnalata; Imam, Haru; Das, Puja; Jamader, Asik Rahaman (74) Biswaranjan Acharya</p>	<p>(45) 01.07.2021 (72) Genesis, Walter (74) mdp Patent and Trade Mark Attorneys</p>
<p>(71) Abraham Kurien, R.; Biju, A.; K Raj, A.; Chacko, A.; Joseph, B.; Preno Koshy, C. (11) AU-A-2021102369 (21) 2021102369 (22) 05.05.2021 (54) DUCK FEATHER FIBER BASED HYBRID SANDWICH COMPOSITE LAMINATE WITH EPOXY RESIN AS MATRIX (51) Int. Cl. B32B 5/26 ( 2006.01 ) B32B 5/02 ( 2006.01 ) (45) 01.07.2021 (72) Abraham Kurien, Rittin; Biju, Alan; K. Raj, Akhil; Chacko, Ashin; Joseph, Bevin; Preno Koshy, Chacko (74) Blessen Skariah Thomas</p>	<p><b>Adinarayana, S. see Malviya, R.</b> (21) 2021102565</p> <p><b>Ahmad, S. see Jaiswal, T.</b> (21) 2021102309</p> <p><b>Ajaybhai Shah, C. see Tyagi, P.</b> (21) 2021102487</p> <p>(71) Akiful Haque, M.; Unnisa, A.; Talib Hussain, M.; Moin, A.; Rizvi, S.M.D.; Chettupalli, A.K. (11) AU-A-2021102556 (21) 2021102556 (22) 14.05.2021 (54) INVESTIGATION OF ADVERSE DRUG REACTION THROUGH SMART DETECTION OF DRUGS INTERACTION (51) Int. Cl. G16H 10/60 ( 2018.01 ) (45) 01.07.2021 (72) Akiful Haque, M.; Unnisa, Aziz; Talib Hussain, Md; Moin, Afrasim; Rizvi, Syed Mohd Danish; Chettupalli, Ananda Kumar (74) JAGANNATH JADHAV</p>	<p><b>Azmeera, S. see V, T.K.G.</b> (21) 2021101956</p> <p><b>B, M. see K S, K.</b> (21) 2021102530</p> <p><b>B. Kumbhar, M. see T., J.</b> (21) 2021102312</p> <p><b>Bansal, N. see Tyagi, P.</b> (21) 2021102487</p> <p>(71) BASAVARAJ NIMBENI, S.; NIMBENI, B.; DIVAKAR, D.; JHA KUKREJA, B.; KUKREJA, P. (11) AU-A-2021102336 (21) 2021102336 (22) 03.05.2021 (54) CARBOXYMETHYL CHITOSAN – FLUORIDE DOPED AMORPHOUS CALCIUM HYDROXIDE: A NOVEL REMINERALIZING GEL (51) Int. Cl. A61K 6/15 ( 2020.01 ) A61K 6/20 ( 2020.01 ) A61K 6/60 ( 2020.01 ) A61K 6/70 ( 2020.01 ) A61K 8/04 ( 2006.01 ) A61K 8/21 ( 2006.01 ) A61K 8/24 ( 2006.01 ) A61K 8/73 ( 2006.01 ) A61P 1/02 ( 2006.01 ) A61Q 11/00 ( 2006.01 ) (45) 01.07.2021 (72) BASAVARAJ NIMBENI, SHRUTI; NIMBENI, BASAVARAJ; DIVAKAR, DASHAN; JHA KUKREJA, BHAVNA; KUKREJA, PANKAJ (74) Pankaj Kumar Goswami</p>
<p><b>Achar, H.V.B. see Bhat, A.H.</b> (21) 2021102555</p> <p>(71) Acharya, B.; Makkar, S.; Dhingra, D.; Sharma, T.; Dash, S.; Sabata, S.; Imam, H.; Das, P.; Jamader, A.R. (11) AU-A-2021102446 (21) 2021102446 (22) 10.05.2021 (54) APPARATUS FOR THEFT DETECTION &amp; REAL-TIME PREDICTION OF ENERGY METER WITH DISCONNECTION PROCESS USING IOT (51) Int. Cl. G01R 22/06 ( 2006.01 ) G01R 11/24 ( 2006.01 ) G01R 21/00 ( 2006.01 ) G08B 13/22 ( 2006.01 ) G08B 23/00 ( 2006.01 ) (45) 01.07.2021 (72) Acharya, Biswaranjan; Makkar, Sandhya; Dhingra, Deepika; Sharma, Tanushree; Dash, Samarendra; Sabata,</p>	<p><b>Ambhaikar, A. see Swarnkar, S.</b> (21) 2021102602</p> <p><b>Angatha, V.V.S. see V, T.K.G.</b> (21) 2021101956</p> <p><b>Arjunagi, S. see Perugu, P.</b> (21) 2021102184</p> <p><b>Arun, M. see Jacob, V.</b> (21) 2021102490</p> <p><b>Arya, N. see Gupta, N.</b> (21) 2021102579</p> <p>(71) Austral Clothes Hoists Pty. Ltd. (11) AU-A-2021102572 (21) 2021102572 (22) 14.05.2021 (54) DRYING APPARATUS (51) Int. Cl. D06F 57/12 ( 2006.01 )</p>	<p>(71) Basha, S.; Chakrabarti, T.; Hati, A.S.; Das, A.; Kuncha, P.; Sreenivasu, S.V.N.; Kumar, K.R.; Prasad, K.S.; Kumar, Y.; Singh, A.K.; Chakrabarti, P.; Devi, G.R. (11) AU-A-2021102531 (21) 2021102531 (22) 13.05.2021 (54) THREE-DIMENSIONAL WIND, AIR-SPEED CALCULATION, AND PREDICTION METHOD FOR AERIAL DRONES USING DEEP LEARNING (51) Int. Cl. G08G 5/00 ( 2006.01 ) G01W 1/08 ( 2006.01 )</p>

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**G01W 1/00** ( 2006.01 )  
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**(11)** AU-A-2020104426  
**(21)** 2020104426 **(22)** 19.11.2020  
**(54)** Formaldehyde purification device for house air treatment  
**(51)** Int. Cl.  
**F24F 8/158** ( 2021.01 )  
**B01D 53/78** ( 2006.01 )  
**B01D 53/86** ( 2006.01 )  
**F24F 3/16** ( 2021.01 )  
**F24F 8/90** ( 2021.01 )  
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**(74)** IP SOLVED (ANZ) PTY. LTD.
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**(11)** AU-A-2021102555  
**(21)** 2021102555 **(22)** 14.05.2021  
**(54)** DUAL PARAMETRIC STABILIZATION OF INTERFERENCE AND THROUGHPUT IN WIRELESS SENSOR NETWORK- OPTICAL COMMUNICATION  
**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04B 10/2575** ( 2013.01 )  
**H04L 29/08** ( 2006.01 )  
**H04W 40/16** ( 2009.01 )  
**H04W 4/38** ( 2018.01 )  
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**(21)** 2021100784
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- (71)** Binzhou Medical University  
**(11)** AU-A-2021102437  
**(21)** 2021102437 **(22)** 10.05.2021  
**(54)** Herbal Compositions for Treatment of Menopausal Syndrome in Women and Their Uses  
**(51)** Int. Cl.  
**A61K 36/258** ( 2006.01 )  
**A61K 36/481** ( 2006.01 )  
**A61K 36/484** ( 2006.01 )  
**A61K 36/54** ( 2006.01 )  
**A61K 36/61** ( 2006.01 )  
**A61K 36/815** ( 2006.01 )  
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**(11)** AU-A-2021102561  
**(21)** 2021102561 **(22)** 14.05.2021  
**(54)** Astragalus membranaceus-Paecilomyces cicadae fermentation germ plasm and application thereof  
**(51)** Int. Cl.  
**A61K 36/481** ( 2006.01 )  
**A61K 36/062** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 19/06** ( 2006.01 )  
**C12N 1/14** ( 2006.01 )
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- C12P 1/02** ( 2006.01 )  
**C12R 1/79** ( 2006.01 )  
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**(11)** AU-A-2021102569  
**(21)** 2021102569 **(22)** 14.05.2021  
**(54)** Intelligent Cloud Bursting Scheduling using Machine Learning.  
**(51)** Int. Cl.  
**G06F 9/455** ( 2018.01 )  
**G06F 9/50** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
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**(45)** 01.07.2021  
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**(21)** 2021102312
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**(21)** 2021102592
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- (71)** Brian Cummins Group Pty Ltd  
**(11)** AU-A-2018102215  
**(21)** 2018102215 **(22)** 09.04.2018  
**(54)** Dual function checkout station  
**(51)** Int. Cl.  
**A47F 9/04** ( 2006.01 )  
**B65B 67/12** ( 2006.01 )  
**G01G 19/40** ( 2006.01 )  
**G07G 1/00** ( 2006.01 )  
**(31)** 2017901280 **(32)** 07.04.17 **(33)** AU  
**(45)** 01.07.2021  
**(72)** Cummins, Simon; Cummins, Brian  
**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2021102487
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- (71)** Caterpillar Inc.  
**(11)** AU-A-2021102491  
**(21)** 2021102491 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
**F15B 15/14** ( 2006.01 )  
**E02F 9/22** ( 2006.01 )

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*F15B 15/20* ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102492  
**(21)** 2021102492 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102493  
**(21)** 2021102493 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102494  
**(21)** 2021102494 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102495  
**(21)** 2021102495 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102496  
**(21)** 2021102496 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102497  
**(21)** 2021102497 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102498  
**(21)** 2021102498 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102499  
**(21)** 2021102499 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102500  
**(21)** 2021102500 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )

*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
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**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102501  
**(21)** 2021102501 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102502  
**(21)** 2021102502 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
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**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102503  
**(21)** 2021102503 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Jennings, Todd M.; Speichinger, Justin D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Inc.  
**(11)** AU-A-2021102504  
**(21)** 2021102504 **(22)** 12.05.2021  
**(54)** Hydraulic cylinder with specific performance dimensions  
**(51)** Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
*F15B 15/20* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions

(51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
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*E01C 19/48* ( 2006.01 )  
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 (54) Hydraulic cylinder with specific performance dimensions  
 (51) Int. Cl.  
*F15B 15/14* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (54) REMOTE SENSING IMAGE CLASSIFICATION METHOD BASED ON PRUNING COMPRESSION NEURAL NETWORK  
 (51) Int. Cl.  
*G06T 7/00* ( 2017.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 3/04* ( 2006.01 )  
*G06N 3/08* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06N 20/20* ( 2019.01 )  
 (31) 202011021851. 6 (32) 25.09.20 (33) CN  
 (45) 01.07.2021  
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 (21) 2021102598 (22) 16.05.2021  
 (54) A WEARABLE ELECTRO ACUPUNCTURE DEVICE FOR COVID TREATMENT AND ITS METHOD THEREOF  
 (51) Int. Cl.  
*A61H 39/04* ( 2006.01 )  
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 (74) Prof. Ramesh Chandra Panda

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 (21) 2021102573 (22) 14.05.2021  
 (54) Vibration equipment based on residual strength of soil and implementation method thereof  
 (51) Int. Cl.  
*G01N 3/40* ( 2006.01 )  
*G01N 33/24* ( 2006.01 )  
*B07B 1/40* ( 2006.01 )  
*G01N 3/06* ( 2006.01 )  
*H02P 25/032* ( 2016.01 )  
 (45) 01.07.2021  
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**(51)** Int. Cl.  
*G01N 1/28* ( 2006.01 )  
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*B21J 13/02* ( 2006.01 )  
*E21B 25/00* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Qiu, Longwei; Yang, Baoliang; Yang, Yong; Shao, Dongliang; Du, Yushan  
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**(21)** 2021102545 **(22)** 13.05.2021  
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**(51)** Int. Cl.  
*B01D 17/06* ( 2006.01 )  
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**(72)** GONG, Haifeng; PENG, Ye; ZHANG, Xianming; LIAO, Zhixiang  
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**(51)** Int. Cl.  
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**(45)** 01.07.2021  
**(72)** GONG, Haifeng; PENG, Ye; ZHANG, Xianming; LI, Wenlong  
**(74)** WRAYS PTY LTD

**(71)** Chongqing Technology and Business University; Chongqing Technology and Business University Technology Development Co., Ltd  
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**(54)** A Method For Determining Optimal Operating Parameters Of Dual-Field Coupled Dewatering Device  
**(51)** Int. Cl.  
*B01D 17/04* ( 2006.01 )  
*B01D 17/02* ( 2006.01 )  
*G06F 30/28* ( 2020.01 )  
*B09B 3/00* ( 2006.01 )  
*G06F 113/08* ( 2020.01 )  
**(45)** 01.07.2021  
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**(21)** 2021102579

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**(21)** 2021102446

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**(11)** AU-A-2021100784  
**(21)** 2021100784 **(22)** 09.02.2021  
**(54)** Covid19 Intelligent Detection System  
**(51)** Int. Cl.  
*A61B 6/03* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*G06N 3/04* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06T 7/00* ( 2017.01 )

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*A61B 5/00* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** DEEP, GAGAN; BHATIA, GAGANDEEP SINGH; VERMA, BASANT KUMAR; PRASAD, DEVENDRA; BINDAL, AMIT KUMAR; GHOSH, PINAKI; LOKULWAR, PRASAD; GUPTA, KAMALI; SHARMA, ASHISH; GARG, ATUL  
**(74)** Ashish Sharma

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**(21)** 2021102531

**(71)** Devi C. S., K.; H., U.; S. Baligar, J.  
**(11)** AU-A-2021102604  
**(21)** 2021102604 **(22)** 16.05.2021  
**(54)** A Reconfigured Fractal Compact Minkowski Microstrip Filter for Advanced Wireless Communication Applications  
**(51)** Int. Cl.  
*H01P 3/08* ( 2006.01 )  
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*H01Q 13/20* ( 2006.01 )  
*H01P 1/203* ( 2006.01 )  
*H01P 11/00* ( 2006.01 )  
*H01Q 1/46* ( 2006.01 )  
*H01Q 21/00* ( 2006.01 )  
*H04B 1/00* ( 2006.01 )  
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**(45)** 01.07.2021  
**(72)** Devi C. S., Kavitha; H., Umadevi; S. Baligar, Jambunath  
**(74)** Harsha Raju

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*E06B 1/70* ( 2006.01 )  
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*E06B 7/14* ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Maxwell, Ronald  
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**(71)** Dhanani, J.; Mehta, R.; Rana, D.; Tidke, B.  
**(11)** AU-A-2021102317  
**(21)** 2021102317 **(22)** 01.05.2021  
**(54)** A System and A Method for Big And Stream Data Analytics using Incremental Mapreduce Framework for Smart City  
**(51)** Int. Cl.  
*G06F 9/50* ( 2006.01 )  
*G06F 17/00* ( 2019.01 )  
*G06F 21/64* ( 2013.01 )  
*G06Q 50/26* ( 2012.01 )  
*G16Y 10/40* ( 2020.01 )  
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 (21) 2021102336

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(71) Donevski, M.  
 (11) AU-A-2021102580  
 (21) 2021102580 (22) 14.05.2021  
 (54) Autonomous Cyber Anomaly Management System  
 (51) Int. Cl.  
*G06F 21/57* (2013.01)  
*G06F 11/30* (2006.01)  
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*G06F 21/55* (2013.01)  
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*H04L 29/06* (2006.01)  
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 (45) 01.07.2021  
 (72) Donevski, Michael  
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 (51) Int. Cl.  
*G06Q 30/02* (2012.01)  
*G06F 16/335* (2019.01)  
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*G06F 21/50* (2013.01)  
*G06Q 10/06* (2012.01)  
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 (45) 01.07.2021  
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 (74) Shelston IP Pty Ltd.

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 (54) Hip- Rafter Flexor -Strut  
 (51) Int. Cl.  
*E04B 7/06* (2006.01)  
*E04G 21/18* (2006.01)  
*E04B 1/19* (2006.01)  
*E04B 1/24* (2006.01)  
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 (45) 01.07.2021  
 (72) Fitzgerald, Paul Gerard  
 (74) Fitweb Constructions Pty Ltd

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(71) Foshan Cnlight Technology Co., Ltd.  
 (11) AU-A-2021102403  
 (21) 2021102403 (22) 07.05.2021  
 (54) AN ULTRAVIOLET STERILIZATION LAMP  
 (51) Int. Cl.  
*F21V 3/02* (2006.01)  
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 (45) 01.07.2021  
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 (72) Wei, Zhiqian; Chen, Hu  
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(71) Fudan University  
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 (51) Int. Cl.  
*G06K 9/62* (2006.01)  
*G06F 16/28* (2019.01)  
*G01N 33/00* (2006.01)  
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 (72) Dai, Xiaoyan; Xu, Wencheng; Qiu, Ji-ang  
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*G01V 1/00* (2006.01)  
*E04B 1/98* (2006.01)  
*E04H 9/02* (2006.01)  
*F16F 9/53* (2006.01)  
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 (45) 01.07.2021  
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*C05F 3/06* (2006.01)  
 (31) 202110398453.4 (32) 14.04.21 (33) CN  
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**A61L 2/24** ( 2006.01 )  
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**A61L 9/20** ( 2006.01 )  
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(74) RAGHU CHANDRA GARIMELLA

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(72) Germon, Peter Graham  
(74) Caska Intellectual Property Pty Ltd

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**A01D 23/02** ( 2006.01 )  
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(21) 2021102602

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(21) 2021102604

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(51) Int. Cl.  
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**(71)** Hezhou University  
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**(21)** 2021102563 **(22)** 14.05.2021  
**(54)** Sterilization Method of Edible Fungus Sticks  
**(51)** Int. Cl.  
**A23L 3/01** ( 2006.01 )  
**A23L 31/00** ( 2016.01 )  
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**(71)** Hindustan Institute of Technology and Science; KCG College of Technology  
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**(51)** Int. Cl.  
**G16H 50/20** ( 2018.01 )  
**G06N 3/04** ( 2006.01 )  
**G06N 3/08** ( 2006.01 )  
**G16H 30/40** ( 2018.01 )  
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**(72)** Visalaxi, Ms.; Muthu, T. Sudalai  
**(74)** Dr. T. Sudalai Muthu

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**(51)** Int. Cl.  
**G01M 15/10** ( 2006.01 )  
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**(74)** Dr. T. Sudalai Muthu

**(71)** Hoboomlife Bio Technology (Shenzhen) Co Ltd  
**(11)** AU-A-2021102577  
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**(51)** Int. Cl.  
**A61K 31/706** ( 2006.01 )  
**A23L 33/13** ( 2016.01 )  
**A23P 10/30** ( 2016.01 )  
**A61K 9/51** ( 2006.01 )

**A61K 47/36** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 39/00** ( 2006.01 )  
**(45)** 01.07.2021  
**(62)** PCT/CN2019/074219  
**(72)** Wang, Yun; Chen, Jiansheng; Li, Feng; Duan, Zhigang; Zhang, Bo; Liu, Xiyuan; Fang, Qiuji; Hu, Shan; Ye, Xiaozhou  
**(74)** Madderns Pty Ltd

**(71)** Hoboomlife Bio Technology (Shenzhen) Co Ltd  
**(11)** AU-A-2021102578  
**(21)** 2021102578 **(22)** 14.05.2021  
**(54)** BIOPOLYMER NANOSPHERE CONTAINING NADH, METHOD OF PREPARING THE SAME AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 31/7084** ( 2006.01 )  
**A23L 33/13** ( 2016.01 )  
**A23P 10/30** ( 2016.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 39/00** ( 2006.01 )  
**(45)** 01.07.2021  
**(62)** PCT/CN2019/074220  
**(72)** Wang, Yun; Chen, Jiansheng; Li, Feng; Duan, Zhigang; Zhang, Bo; Liu, Xiyuan; Fang, Qiuji; Hu, Shan; Ye, Xiaozhou  
**(74)** Madderns Pty Ltd

**Holi, G. see K S, K.**  
**(21)** 2021102530

**(71)** Huaiyin Normal University  
**(11)** AU-A-2021102540  
**(21)** 2021102540 **(22)** 13.05.2021  
**(54)** PREPARATION METHOD AND APPLICATION OF BIODEGRADABLE CARBON GRANULES  
**(51)** Int. Cl.  
**B09C 1/10** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
**B09C 1/08** ( 2006.01 )  
**C02F 1/28** ( 2006.01 )  
**(31)** 202110514395.7 **(32)** 12.05.21 **(33)** CN  
**(45)** 01.07.2021  
**(72)** He, Jianlong; Qiu, Yejuan; Qiu, Zhongyuan; Wu, Zhen  
**(74)** Remarkable IP

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**(21)** 2021102446

**(71)** Institute of Agricultural Resources and Agricultural Regional Planning, Chinese Academy of Agricultural Sciences  
**(11)** AU-A-2021102475  
**(21)** 2021102475 **(22)** 11.05.2021

**(54)** A DRUG HARMLESS TREATMENT DEVICE  
**(51)** Int. Cl.  
**C02F 1/72** ( 2006.01 )  
**C02F 1/02** ( 2006.01 )  
**C02F 1/58** ( 2006.01 )  
**C02F 1/74** ( 2006.01 )  
**B01J 3/04** ( 2006.01 )  
**B01J 6/00** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**C02F 101/30** ( 2006.01 )  
**C02F 103/34** ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Zhang, Qianru  
**(74)** Ran Tao

**(71)** Institute of Agricultural Resources and Agricultural Regional Planning, Chinese Academy of Agricultural Sciences  
**(11)** AU-A-2021102476  
**(21)** 2021102476 **(22)** 11.05.2021  
**(54)** A Harmless Drug Treatment Method  
**(51)** Int. Cl.  
**C02F 1/72** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
**C02F 1/02** ( 2006.01 )  
**C02F 1/58** ( 2006.01 )  
**C02F 1/74** ( 2006.01 )  
**B01J 3/00** ( 2006.01 )  
**B01J 3/04** ( 2006.01 )  
**B01J 6/00** ( 2006.01 )  
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**C02F 101/30** ( 2006.01 )  
**C02F 103/34** ( 2006.01 )  
**(45)** 01.07.2021  
**(72)** Zhang, Qianru  
**(74)** Ran Tao

**(71)** Jacob, V.; Tandon, A.; Moeed, S.A.; Subbarayudu, C.B.V.; Arun, M.; kandhasamy, J.P.; Singh, D.K.; Singh, S.P.  
**(11)** AU-A-2021102490  
**(21)** 2021102490 **(22)** 12.05.2021  
**(54)** DETECTION AND ELIMINATION OF LOGIC BUGS IN IOT DEVICE PLATFORMS AND NETWORKS  
**(51)** Int. Cl.  
**G16Y 30/00** ( 2020.01 )  
**G06F 11/36** ( 2006.01 )  
**H04L 12/28** ( 2006.01 )  
**H04L 29/08** ( 2006.01 )  
**G06F 21/44** ( 2013.01 )  
**G06F 21/56** ( 2013.01 )  
**G06F 21/78** ( 2013.01 )  
**(45)** 01.07.2021  
**(72)** Jacob, Vinodkumar; Tandon, Aditya; Moeed, Syed Abdul; Subbarayudu, Chilukuri Bala Venkata; Arun, M.; Kandhasamy, J. Pradeep; Singh, Deepak Kumar; Singh, Shailendra Pratap  
**(74)** Gideon Manohar

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**(21)** 2021102598

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(11) AU-A-2021102309

(21) 2021102309 (22) 30.04.2021

(54) AN EFFICIENT IRIS RECOGNITION SYSTEM WITH COMPLETE LOCAL TERNARY PATTERN FEATURE EXTRACTION AND CLASSIFICATION METHOD

(51) Int. Cl.

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(74) Sivaram Rajeyagari

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(21) 2021102446

(71) James Cook University; PACIFIC BIOTECHNOLOGIES (AUSTRALIA) PTY LTD

(11) AU-A-2021102541

(21) 2021102541 (22) 13.05.2021

(54) NOVEL COMPOSITION

(51) Int. Cl.

A61K 36/04 ( 2006.01 )

A23K 20/158 ( 2016.01 )

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A61P 1/14 ( 2006.01 )

(45) 01.07.2021

(62) 2019394365

(72) De Nys, Rocky; Magnusson, Marie Elisabeth

(74) Phillips Ormonde Fitzpatrick

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(71) Jiangxi Agricultural University

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(54) High-resolution coupling simulation system and method for land use and forest landscape process

(51) Int. Cl.

G06F 30/27 ( 2020.01 )

G06N 3/02 ( 2006.01 )

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G06Q 50/02 ( 2012.01 )

A01G 23/00 ( 2006.01 )

G06F 16/29 ( 2019.01 )

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(72) Huang, Chao

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(71) Jiangxi University of Science and Technology

(11) AU-A-2021102528

(21) 2021102528 (22) 12.05.2021

(54) Gravity Concentration System and Chromite Ore Dressing Method

(51) Int. Cl.

B03B 5/62 ( 2006.01 )

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(74) Ran Tao

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(54) Diesel particulate filtering device

(51) Int. Cl.

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(21) 2020104431 (22) 14.09.2020

(54) Diesel particulate filtering device, diesel particulate treatment system and fixing structure

(51) Int. Cl.

F01N 3/021 ( 2006.01 )

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(71) Jinzhou Medical University

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(21) 2021102539 (22) 13.05.2021

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(51) Int. Cl.

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(21) 2021102533

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(21) 2021102309

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(21) 2021102490

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(21) 2021101956

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(71) KARAMOOZIAN, A.; GANJIDOUST, H.

(11) AU-A-2021102603

(21) 2021102603 (22) 16.05.2021

(54) AN INTEGRATED DEMATEL-ANP AND LCA DECISION MAKING APPROACH FOR SELECTING PIPE MATERIALS IN HYDROCARBON PIPELINE PROJECTS

(51) Int. Cl.

G06Q 10/06 ( 2012.01 )

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G06F 17/16 ( 2006.01 )

(45) 01.07.2021

(72) KARAMOOZIAN, AMIRHOSSEIN; GANJIDOUST, HOSSEIN; KARAMOOZIAN, AMINREZA

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Kavita, D. see Bist, M.

(21) 2021102569

KCG College of Technology see Hindustan Institute of Technology and Science

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(71) K S, K.; Holi, G.; B, M.; G, V.; M.K, V.  
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(21) 2021102530 (22) 12.05.2021  
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(51) Int. Cl.  
G16H 10/20 ( 2018.01 )  
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(11) AU-A-2021102599  
(21) 2021102599 (22) 16.05.2021  
(54) A process for preparing calcium zirconate for UV LED devices for treating neonatal and skin diseases  
(51) Int. Cl.  
C09K 11/77 ( 2006.01 )  
C04B 35/48 ( 2006.01 )  
A61N 5/06 ( 2006.01 )  
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(74) Dr. D. S. Kshatri

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(21) 2021102309

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**Kumar, Y. see Basha, S.**  
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(71) Kumar, A.; Kumar, M.; Ram, M.J.; Mukherjee, P.; Kumar, R.; Bhardwaj, V.P.  
(11) AU-A-2021102594  
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(51) Int. Cl.  
G06Q 40/02 ( 2012.01 )  
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(51) Int. Cl.  
C01G 53/04 ( 2006.01 )  
B82Y 15/00 ( 2011.01 )  
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G01N 33/98 ( 2006.01 )  
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(51) Int. Cl.  
G09B 23/28 ( 2006.01 )  
A61B 5/00 ( 2006.01 )  
A61B 5/16 ( 2006.01 )  
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(21) 2021102598

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(21) 2021102565 (22) 14.05.2021

(54) CARBOXY-METHYLATED POLYMER BASED DRUG NANOSUSPENSION FORMULATION AND METHOD OF PREPARATION THEREOF

(51) Int. Cl.

A61K 47/46 ( 2006.01 )

A61K 9/10 ( 2006.01 )

A61K 31/444 ( 2006.01 )

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(54) BUILDINGS

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E04H 1/02 ( 2006.01 )

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(54) Distributed frameworks for health care information exchange using Blockchain Technology

(51) Int. Cl.

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(74) Rajit Nair

(71) Nanjing Normal University

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(54) A Method of Extracting Tetramethylbenzene from Light C10 Aromatic Solvent Oil

(51) Int. Cl.

C07C 7/14 ( 2006.01 )

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(54) ULTRASONIC BACK SUCTION-INTEGRATED TOOTH CLEANER

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A61C 17/02 ( 2006.01 )

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(71) Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences

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G06Q 30/06 ( 2012.01 )

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**(72)** Passi, Hemant  
**(74)** FPA Patent Attorneys Pty Ltd
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**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 5/40** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**(45)** 01.07.2021  
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**(74)** Prathusha Perugu
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**(21)** 2021102598
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- (21)** 2021102369
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**(11)** AU-A-2020104432  
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**(51)** Int. Cl.  
**G05B 19/045** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
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**(45)** 01.07.2021  
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**(74)** Madderns Pty Ltd
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**(21)** 2021102350
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**(21)** 2021102309
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**(54)** A Context Aware Secure Wireless Body Zone Systems for Heart Patients  
**(51)** Int. Cl.  
**G16H 40/67** ( 2018.01 )  
**G16H 80/00** ( 2018.01 )  
**G16Y 30/10** ( 2020.01 )  
**G16Y 10/60** ( 2020.01 )  
**(45)** 01.07.2021  
**(72)** RAJMOHAN, V.; M, SUJATHA; SHYAMALA DEVI, B.RAJESH; PRIYA, C.; SUNGEETHA, D.; M V, KARTHIKEYAN; M, SAMAYARAJ MURALI KISHANLAL; MAHENDRAN, M.; JULIET, A. VIMALA; PRABHAKAR, P. B. EDWIN  
**(74)** Anush P
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**(21)** 2021102594
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**(21)** 2021102487
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**(21)** 2021102317
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**(21)** 2021102487
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**(51)** Int. Cl.  
**C02F 1/42** ( 2006.01 )  
**B01J 39/19** ( 2017.01 )  
**B01J 39/24** ( 2017.01 )  
**B01J 49/53** ( 2017.01 )  
**C02F 101/20** ( 2006.01 )  
**C02F 101/22** ( 2006.01 )  
**C02F 103/12** ( 2006.01 )  
**C02F 103/16** ( 2006.01 )  
**C02F 103/26** ( 2006.01 )  
**C02F 103/30** ( 2006.01 )  
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**C02F 103/34** ( 2006.01 )  
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**(72)** Rane, Caroleena Ganesh; Seenivasan, R. K.; Bhau, Gaikar Vilas; Tope, Dipak Ramrao; Ragavan, D.; Bhadane, Jaywant Ramdas; Ghode, Rakesh Bharat; Mali, Mukund G.; Muthaleswari, M.; Girija, A.  
**(74)** Caroleena Ganesh Rane
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**(21)** 2021102488
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**(21)** 2021102569
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**(11)** AU-A-2021102559  
**(21)** 2021102559 **(22)** 14.05.2021  
**(54)** AIR PURIFYING UNIT, AIR PURIFYING DEVICE AND AIR PURIFYING ASSEMBLY  
**(51)** Int. Cl.  
**F24F 8/175** ( 2021.01 )  
**B01D 53/85** ( 2006.01 )  
**(45)** 01.07.2021  
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**(72)** Wong, Tak Wing  
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(21) 2021102556

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(21) 2021102592

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(21) 2021102446

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(21) 2021102487

**Saxena, A. see Gupta, N.**  
(21) 2021102579

(71) SCD American Vehicles Pty Ltd  
(11) AU-A-2021102546  
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(54) STEERING TRANSFER ASSEMBLY  
(51) Int. Cl.  
*B62D 1/22* ( 2006.01 )  
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(45) 01.07.2021  
(72) KOCWA, Eddie  
(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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(51) Int. Cl.  
*C08B 15/10* ( 2006.01 )  
*C08B 11/08* ( 2006.01 )  
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(74) Madderns Pty Ltd

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(51) Int. Cl.  
*A61D 19/02* ( 2006.01 )  
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(51) Int. Cl.  
*C09D 183/06* ( 2006.01 )  
*C08G 77/06* ( 2006.01 )  
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*B82Y 30/00* ( 2011.01 )  
*C01B 32/198* ( 2017.01 )  
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(21) 2021102487

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(54) A ROBOTIC SYSTEM FOR DISINFECTING AN AREA  
(51) Int. Cl.  
*G05D 1/02* ( 2020.01 )  
*A61L 2/10* ( 2006.01 )  
*A61L 2/24* ( 2006.01 )  
*G01S 15/931* ( 2020.01 )  
*G05B 19/04* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G08C 17/02* ( 2006.01 )  
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(21) 2021100784

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*A61B 17/04* ( 2006.01 )  
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G16H 50/70 (2018.01)  
G06K 9/62 (2006.01)  
G06N 3/00 (2006.01)  
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G06N 20/10 (2019.01)  
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(71) Snosko Pty Ltd  
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(51) Int. Cl.  
B65D 90/24 (2006.01)  
B65D 77/04 (2006.01)  
B65D 81/00 (2006.01)  
B65D 88/12 (2006.01)  
B65D 90/50 (2019.01)  
G01F 23/296 (2006.01)  
G08B 21/18 (2006.01)  
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(72) Goode, Max  
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(51) Int. Cl.  
C01B 32/186 (2017.01)  
B01J 20/02 (2006.01)  
B01J 20/20 (2006.01)  
B82Y 15/00 (2011.01)  
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C01G 19/02 (2006.01)  
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(21) 2021102309

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(54) Kimono  
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A41D 13/00 (2006.01)  
A41H 3/00 (2006.01)

(45) 01.07.2021  
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(21) 2021102600

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(51) Int. Cl.  
G08B 21/02 (2006.01)  
A61L 2/10 (2006.01)  
(45) 01.07.2021  
(72) Sun, Yuejing  
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(11) AU-A-2021102558  
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(54) MODIFIED PLANT  
(51) Int. Cl.  
A01H 6/64 (2018.01)  
A01H 5/04 (2018.01)  
A01H 5/10 (2018.01)  
C07D 489/02 (2006.01)  
(45) 01.07.2021  
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(51) Int. Cl.

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**H04W 4/46** ( 2018.01 )  
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**(51)** Int. Cl.  
**G01M 13/00** ( 2019.01 )  
**F16F 7/10** ( 2006.01 )  
**F16F 7/112** ( 2006.01 )  
**F16F 9/02** ( 2006.01 )  
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**(21)** 2021102556
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**(21)** 2021102490
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**(51)** Int. Cl.  
**A01H 4/00** ( 2006.01 )  
**A01G 22/55** ( 2018.01 )  
**A01H 6/46** ( 2018.01 )  
**(45)** 01.07.2021  
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**(74)** Dr. NAGARAJA T E
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**(21)** 2021102488
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**(21)** 2021101877 **(22)** 12.04.2021  
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**(51)** Int. Cl.  
**B65G 39/16** ( 2006.01 )  
**B65G 21/10** ( 2006.01 )
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**(45)** 01.07.2021  
**(72)** KALLARACKAL, MANOJ JOSEPH; R NAIR, HARIKRISHNAN  
**(74)** Thejo Engineering Limited
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**(21)** 2021102430 **(22)** 10.05.2021  
**(54)** Classification system and automatic scoring method of condition of adult emergency case  
**(51)** Int. Cl.  
**G16H 50/20** ( 2018.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/01** ( 2006.01 )  
**A61B 5/02** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61B 5/20** ( 2006.01 )  
**G06F 40/20** ( 2020.01 )  
**G06F 40/30** ( 2020.01 )  
**G06N 5/02** ( 2006.01 )  
**G16H 50/30** ( 2018.01 )  
**A61B 5/0205** ( 2006.01 )  
**A61B 5/021** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**(45)** 01.07.2021  
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**(74)** Alder IP Pty Ltd
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**(11)** AU-A-2021102287  
**(21)** 2021102287 **(22)** 30.04.2021  
**(54)** Improved complex identification algorithm in dynamic protein networks  
**(51)** Int. Cl.  
**G06N 3/00** ( 2006.01 )  
**G16B 25/10** ( 2019.01 )  
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**(45)** 01.07.2021  
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**(21)** 2021102317
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**(21)** 2021102598
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**(21)** 2021102101 **(22)** 21.04.2021  
**(54)** Sorting arrangement  
**(51)** Int. Cl.  
**B07B 4/02** ( 2006.01 )  
**B07B 11/02** ( 2006.01 )  
**B07C 5/36** ( 2006.01 )  
**B05B 15/14** ( 2018.01 )
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- (45)** 01.07.2021  
**(72)** Fleischer, Uwe  
**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2021102350
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**(21)** 2021102488
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**(11)** AU-A-2021102487  
**(21)** 2021102487 **(22)** 12.05.2021  
**(54)** ARTIFICIAL INTELLIGENCE BASED SURVEILLANCE SYSTEM FOR OXYGEN CONCENTRATOR AT INVENTORY LEVEL  
**(51)** Int. Cl.  
**G05B 19/042** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G08B 17/10** ( 2006.01 )  
**G08B 17/12** ( 2006.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06Q 50/22** ( 2018.01 )  
**(45)** 01.07.2021  
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**(74)** Blessen Skariah Thomas
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**(21)** 2021102579
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- (71)** UMA, B.; Sumathi, A.; Kumaradhas, S.  
**(11)** AU-A-2021102600  
**(21)** 2021102600 **(22)** 16.05.2021  
**(54)** IMPROVED ARTIFICIAL NEURAL NETWORK AND MODIFIED GRAPH MODEL BASED DETECTION OF SECURITY ATTACKS WITH BETTER QoS PERFORMANCE IN MANET  
**(51)** Int. Cl.  
**H04L 29/06** ( 2006.01 )  
**G06F 21/57** ( 2013.01 )  
**G06N 3/02** ( 2006.01 )  
**H04W 72/08** ( 2009.01 )  
**H04W 84/18** ( 2009.01 )  
**(45)** 01.07.2021  
**(72)** Uma, B.; Sumathi, A.; Kumaradhas, S.  
**(74)** JAGANNATH JADHAV
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- (71)** University of Electronic Science and Technology of China, Zhongshan Institute  
**(11)** AU-A-2021102584  
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VERMA, B.K. see DEEP, G.  
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Vyas, A. see Bist, M.  
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Innovation Patents Open to Public Inspection - Name Index cont'd

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Numerical Index

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<b>2018102215</b>	Brian Cummins Group Pty Ltd	<b>2021102475</b>	Institute of Agricultural Resources and Agricultural Regional Planning, Chinese Academy of Agricultural Sciences
<b>2019101796</b>	MISAWA HOMES CO., LTD.		
<b>2019101799</b>	Zhejiang University	<b>2021102476</b>	Institute of Agricultural Resources and Agricultural Regional Planning, Chinese Academy of Agricultural Sciences
<b>2019101802</b>	Dezinal Pty Ltd		
<b>2019101803</b>	4D Mapper Pty Ltd	<b>2021102483</b>	Gannavaram, V.P.
<b>2020104426</b>	Bengbu Zhengte Purification Equipment Co. Ltd	<b>2021102484</b>	Hindustan Institute of Technology and Science; KCG College of Technology
<b>2020104427</b>	Shandong Eton New Material Co., Ltd		
<b>2020104429</b>	Zhejiang Hanlu Oceanic Technologies Co., Ltd.	<b>2021102485</b>	Gill, J.; Singh, R.P.; Mehra, M.
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<b>2020104432</b>	Qingdao Haigao Design and Manufacturing Co., Ltd; Haier Smart Home Co., Ltd.	<b>2021102487</b>	Tyagi, P.; C. D., A.; Kumar, A.; Bansal, N.; Saini, G.; Sharma, D.; Rana, K.; Singh, S.; Kumar, B.; Ajaybhai Shah, C.; Ramkrishna Bhojar, S.; Verma, S.; Chandra Panda, R.
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<b>2021101299</b>	Shi, Y.	<b>2021102491</b>	Caterpillar Inc.
<b>2021101302</b>	XUZHOU UNIVERSITY OF TECHNOLOGY	<b>2021102492</b>	Caterpillar Inc.
<b>2021101303</b>	XUZHOU UNIVERSITY OF TECHNOLOGY	<b>2021102493</b>	Caterpillar Inc.
<b>2021101305</b>	XUZHOU UNIVERSITY OF TECHNOLOGY	<b>2021102494</b>	Caterpillar Inc.
<b>2021101677</b>	Ganguli, S.; Sondhi, S.; Sohane, A.	<b>2021102495</b>	Caterpillar Inc.
<b>2021101869</b>	Southwest University	<b>2021102496</b>	Caterpillar Inc.
<b>2021101877</b>	Thejo Engineering Limited	<b>2021102497</b>	Caterpillar Inc.
<b>2021101938</b>	Fitzgerald, P.	<b>2021102498</b>	Caterpillar Inc.
<b>2021101956</b>	V, T.K.G.; Gannavaram, V.C.S.; Gannavaram, V.P.; An-gatha, V.V.S.; Merugu, S.; Sunkari, S.; Kandhikonda, U.M.; Ette, A.R.; Bejgam, R.; Keshipeddi, S.B.; Dundee, V.; Azmeera, S.; Gannavaram, S.	<b>2021102499</b>	Caterpillar Inc.
<b>2021102077</b>	Xuzhou University Of Technology	<b>2021102500</b>	Caterpillar Inc.
<b>2021102080</b>	Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences	<b>2021102501</b>	Caterpillar Inc.
<b>2021102101</b>	TOMRA Sorting GmbH	<b>2021102502</b>	Caterpillar Inc.
<b>2021102145</b>	China University of Petroleum (East China); Research Institute of Exploration & Development, SINOPEC Shengli Oilfield Company	<b>2021102503</b>	Caterpillar Inc.
<b>2021102184</b>	Perugu, P.; Madiwal, S.M.; Sekhar, C.; Arjunagi, S.; Jose, D.; Biradar, S.; CHANDNANI, N.; Sethy, A.; Meena, M.; Sirisha, G.; MALATHI, P.S.R.; Manjunath, T.; G., P.; Ranjani, R.; Urkude, A.M.; Urkude, S.A.; H, G. Yan'an Hospital of Kunming City	<b>2021102504</b>	Caterpillar Inc.
<b>2021102188</b>	Third Xiangya Hospital of Central South University	<b>2021102505</b>	Caterpillar Inc.
<b>2021102287</b>	Jaiswal, T.; Jaiswal, S.; Raghuram, K.; Sreenivasulu, M.; Kumar, M.; Kalarani, S.; Sumaiya, S.; Mahalaxmi, U.; Bhuvanewari, C.; Suneela, B.; Ahmad, S.; Selvakanmani, S.	<b>2021102506</b>	Caterpillar Inc.
<b>2021102309</b>		<b>2021102507</b>	Caterpillar Inc.
<b>2021102312</b>	T., J.; Patil, P.B.; B. Kumbhar, M.; Borgaonkar, A.V.; G. Salunkhe, V.; Potdar, S.B.	<b>2021102508</b>	Caterpillar Inc.
<b>2021102317</b>	Dhanani, J.; Mehta, R.; Rana, D.; Tidke, B.	<b>2021102509</b>	Caterpillar Inc.
<b>2021102336</b>	BASAVARAJ NIMBENI, S.; NIMBENI, B.; DIVAKAR, D.; JHA KUKREJA, B.; KUKREJA, P.	<b>2021102510</b>	Caterpillar Inc.
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<b>2021102369</b>	Abraham Kurien, R.; Biju, A.; K Raj, A.; Chacko, A.; Joseph, B.; Preno Koshy, C.	<b>2021102517</b>	Snosko Pty Ltd
<b>2021102378</b>	Shanghai University	<b>2021102525</b>	Hefei Zhonglu Information Technology Co., Ltd.
<b>2021102386</b>	Dragon Bay Group Pty Ltd	<b>2021102528</b>	Jiangxi University of Science and Technology
<b>2021102401</b>	Nanjing Sealand Medical Instrument Co., Ltd	<b>2021102530</b>	K S, K.; Holi, G.; B, M.; G, V.; M.K, V.
<b>2021102403</b>	Foshan Cnlight Technology Co., Ltd.	<b>2021102531</b>	Basha, S.; Chakrabarti, T.; Hati, A.S.; Das, A.; Kuncha, P.; Sreenivasu, S.V.N.; Kumar, K.R.; Prasad, K.S.; Kumar, Y.; Singh, A.K.; Chakrabarti, P.; Devi, G.R.
<b>2021102430</b>	The Second Xiangya Hospital of Central South University, Changsha, Hunan, China	<b>2021102532</b>	VALLIKANNU, A.; SHARMILA, V.; SHYAMALA DEVI, B.; SINGH, P.; MAHESWARI, M.; SUJATHA, M.; GEO, V.B.; KUMARESAN, A.
<b>2021102435</b>	Henan University of Technology	<b>2021102533</b>	RAJMOHAN, V.; M, S.; SHYAMALA DEVI, B.; PRIYA, C.; SUNGEETHA, D.; M V, K.; M, S.M.K.; MAHENDRAN, M.; JULIET, A.V.; PRABHAKAR, P.B.E.
<b>2021102437</b>	Binzhou Medical University	<b>2021102534</b>	Shaoguan University; Shenzhen Xihan Medical and Healthy Environmental Protection Co. Ltd.; South China Agricultural University; Guangdong Shichangsheng Cosmetics Manufacturing Co., Ltd.
<b>2021102438</b>	Hezhou University	<b>2021102535</b>	Submission Sportsweat Limited
<b>2021102446</b>	Acharya, B.; Makkari, S.; Dhingra, D.; Sharma, T.; Dash, S.; Sabata, S.; Imam, H.; Das, P.; Jamader, A.R.	<b>2021102537</b>	Xuzhou University Of Technology
<b>2021102457</b>	Jiangxi Agricultural University	<b>2021102539</b>	Jinzhou Medical University
		<b>2021102540</b>	Huaiyin Normal University
		<b>2021102541</b>	James Cook University; PACIFIC BIOTECHNOLOGIES (AUSTRALIA) PTY LTD

Innovation Patents Open to Public Inspection - Numerical Index cont'd

<b>2021102542</b>	Zhongliarui (Beijing) Biotechnology Co., Ltd; Dalian Nationalities University	<b>2021102609</b>	XUZHOU UNIVERSITY OF TECHNOLOGY
<b>2021102545</b>	Chongqing Technology and Business University; Chongqing Business University Technology Development Co., Ltd	<b>2021102640</b>	T E, N.
<b>2021102546</b>	SCD American Vehicles Pty Ltd		
<b>2021102547</b>	Chongqing Technology and Business University; Chongqing Business University Technology Development Co., Ltd		
<b>2021102550</b>	Shandong Marine Resources and Environment Research Institute		
<b>2021102552</b>	Chongqing Technology and Business University; Chongqing Technology and Business University Technology Development Co., Ltd		
<b>2021102553</b>	Sun, Y.; UVC LIGHT TECHNOLOGY PTY LTD		
<b>2021102555</b>	Bhat, A.H.; Achar, H.V.B.		
<b>2021102556</b>	Akiful Haque, M.; Unnisa, A.; Talib Hussain, M.; Moin, A.; Rizvi, S.M.D.; Chettupalli, A.K.		
<b>2021102558</b>	Sun Pharmaceutical Industries Australia Pty Limited		
<b>2021102559</b>	Renaud Green Technology Limited		
<b>2021102561</b>	Binzhou Medical University		
<b>2021102562</b>	Fudan University		
<b>2021102563</b>	Hezhou University		
<b>2021102564</b>	Lang, X.; Wen, D.		
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<b>2021102566</b>	Zhejiang University of Technology; ZHEJIANG LVCHUANG BIOTECHNOLOGY CO., LTD		
<b>2021102568</b>	YI, Z.; LIU, Y.; LU, S.		
<b>2021102569</b>	Bist, M.; Vyas, A.; Kiran, J.S.; Velpuru, M.S.; Reddy, K.T.; Verma, S.; Kavita, D.; Chikte, S.D.; Gadgay, B.; Chordiya, S.B.		
<b>2021102570</b>	Urban Electric Networks Ltd		
<b>2021102571</b>	Urban Electric Networks Ltd		
<b>2021102572</b>	Austral Clothes Hoists Pty. Ltd.		
<b>2021102573</b>	China University of Mining & Technology, Beijing		
<b>2021102577</b>	Hoboomlife Bio Technology (Shenzhen) Co Ltd		
<b>2021102578</b>	Hoboomlife Bio Technology (Shenzhen) Co Ltd		
<b>2021102579</b>	Gupta, N.; Jindal, L.; Singh, P.; Dhar, R.S.; Dabade, T.D.; Arya, N.; V.K, R.; Kumar, A.; Jaiswar, R.; Tyagi, A.; Chourasia, S.; Sharma, A.; Giramkar, S.A.; Saxena, A.; G., P.; H.R., S.		
<b>2021102580</b>	Donevski, M.		
<b>2021102582</b>	Wuhan Textile University		
<b>2021102584</b>	University of Electronic Science and Technology of China, Zhongshan Institute		
<b>2021102585</b>	Wuhan Textile University		
<b>2021102590</b>	Wong, O.L.		
<b>2021102592</b>	Sharma, A.; Mondal, H.; Chinvar, D.C.; Bose, R.; Roy, S.		
<b>2021102593</b>	Singh, P.D.; Singh, K.D.; Gautam, K.; Kilak, A.S.; Gupta, A.; Bhatia, J.; Rani, S.; Kumar, R.; Kumar, R.; Bhakhar, S.K.		
<b>2021102594</b>	Kumar, A.; Kumar, M.; Ram, M.J.; Mukherjee, P.; Kumar, R.; Bhardwaj, V.P.		
<b>2021102596</b>	Kumar, V.; Kumar, S.		
<b>2021102597</b>	Central South University		
<b>2021102598</b>	Chandra Panda, R.; Kumar Sahoo, K.; Mohan, A.; Varsha, .; Riyaz Ahmed, M.; Sharma, R.; Patel, L.; Tiwari, R.; Thakkar, K.; Bhorekar, K.K.; Jain, R.; Mahapatra, B.; Mishra, A.; Pramanik, T.; Bikash Acharjee, P.; Sharma, D.		
<b>2021102599</b>	Kshatri, D.S.; Mishra, S.; Dubey, V.; Dubey, N.; Singh Dhundhel, R.; Patra, J.P.; Bhattacharya, R.; Singh, A.		
<b>2021102600</b>	UMA, B.; Sumathi, A.; Kumaradhas, S.		
<b>2021102602</b>	Swarnkar, S.; Ambhaikar, A.; Guru, A.; Sheikh, A.		
<b>2021102603</b>	KARAMOOZIAN, A.; GANJIDOUST, H.		
<b>2021102604</b>	Devi C. S., K.; H., U.; S. Baligar, J.		
<b>2021102607</b>	GARIMELLA, R.C.		
<b>2021102608</b>	Gansu Animal Husbandry and Veterinary Medicine Institute		

IPC Index

<b><u>A01B 79 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A61H 39 /-</u></b>	<b><u>A61N 5 /-</u></b>	<b><u>B01J 39 /-</u></b>	<b><u>B32B 15 /-</u></b>
2021102485	2021102577 2021102578 2021102609	2021102598	2021102599	2021102350	2021101303
<b><u>A01D 23 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A61H 9 /-</u></b>	<b><u>A61P 1 /-</u></b>	<b><u>B01J 49 /-</u></b>	<b><u>B32B 3 /-</u></b>
2021102485	2021102609	2021102598	2021102336 2021102541	2021102350	2021101303
<b><u>A01D 31 /-</u></b>	<b><u>A23P 10 /-</u></b>	<b><u>A61K 31 /-</u></b>	<b><u>A61P 13 /-</u></b>	<b><u>B01J 6 /-</u></b>	<b><u>B32B 5 /-</u></b>
2021102485	2021102577 2021102578	2021102565 2021102577 2021102578	2021102561	2021102475 2021102476	2021102369
<b><u>A01G 22 /-</u></b>	<b><u>A41B 9 /-</u></b>	<b><u>A61K 35 /-</u></b>	<b><u>A61P 19 /-</u></b>	<b><u>B03B 5 /-</u></b>	<b><u>B60L 53 /-</u></b>
2021102640	2021102590	2019101799	2021102561	2021102528	2021102570 2021102571
<b><u>A01G 23 /-</u></b>	<b><u>A41C 3 /-</u></b>	<b><u>A61K 36 /-</u></b>	<b><u>A61P 25 /-</u></b>	<b><u>B03B 9 /-</u></b>	<b><u>B60R 13 /-</u></b>
2021102457	2021102590	2021102437 2021102541 2021102561	2021102578	2021102528	2021101303
<b><u>A01H 4 /-</u></b>	<b><u>A41D 13 /-</u></b>	<b><u>A61K 47 /-</u></b>	<b><u>A61P 3 /-</u></b>	<b><u>B05B 15 /-</u></b>	<b><u>B62D 1 /-</u></b>
2021102640	2021102535	2021102565 2021102577 2021102578	2021102561	2021102101	2021102546
<b><u>A01H 5 /-</u></b>	<b><u>A41F 1 /-</u></b>	<b><u>A61K 6 /-</u></b>	<b><u>A61P 35 /-</u></b>	<b><u>B07B 1 /-</u></b>	<b><u>B63G 8 /-</u></b>
2021102558	2021102590	2021102336	2019101799 2021102577 2021102578	2021102573	2020104429
<b><u>A01H 6 /-</u></b>	<b><u>A41H 3 /-</u></b>	<b><u>A61K 8 /-</u></b>	<b><u>A61P 39 /-</u></b>	<b><u>B07B 11 /-</u></b>	<b><u>B64C 39 /-</u></b>
2021102558 2021102640	2021102535	2021102336	2021102577 2021102578	2021102101	2021102531
<b><u>A01K 61 /-</u></b>	<b><u>A47F 9 /-</u></b>	<b><u>A61K 9 /-</u></b>	<b><u>A61P 5 /-</u></b>	<b><u>B07B 4 /-</u></b>	<b><u>B65B 67 /-</u></b>
2021102550	2018102215	2021102336	2021102437	2021102101	2018102215
<b><u>A23C 3 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61K 9 /-</u></b>	<b><u>A61Q 11 /-</u></b>	<b><u>B07C 5 /-</u></b>	<b><u>B65D 77 /-</u></b>
2021102458	2021101299	2021102565 2021102577 2021102578	2021102336	2021102101	2021102517
<b><u>A23K 20 /-</u></b>	<b><u>A61B 3 /-</u></b>	<b><u>A61L 2 /-</u></b>	<b><u>A62C 35 /-</u></b>	<b><u>B07C 7 /-</u></b>	<b><u>B65D 81 /-</u></b>
2021102541	2021102309	2021102403 2021102458 2021102534 2021102553 2021102592 2021102607	2016102464	2021101305	2021102517
<b><u>A23K 50 /-</u></b>	<b><u>A61B 5 /-</u></b>	<b><u>A61L 9 /-</u></b>	<b><u>B01D 17 /-</u></b>	<b><u>B09B 3 /-</u></b>	<b><u>B65D 88 /-</u></b>
2021102541	2021100784 2021102184 2021102430 2021102484 2021102564 2021102598	2021102607	2021102545 2021102547 2021102552	2021102476 2021102540 2021102545 2021102547 2021102552	2021102517
<b><u>A23L 19 /-</u></b>	<b><u>A61B 6 /-</u></b>	<b><u>A61M 16 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B09C 1 /-</u></b>	<b><u>B65G 13 /-</u></b>
2021102609	2021100784 2021102188	2021102579	2020104426 2021102559	2021102540	2021101305
<b><u>A23L 2 /-</u></b>	<b><u>A61C 17 /-</u></b>	<b><u>A61M 25 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B21J 13 /-</u></b>	<b><u>B65G 21 /-</u></b>
2021102438	2021102401	2021102550	2021102475 2021102476	2021102145	2021101877
<b><u>A23L 23 /-</u></b>	<b><u>A61D 19 /-</u></b>	<b><u>A61M 31 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B25J 17 /-</u></b>	<b><u>B65G 39 /-</u></b>
2021102609	2021102550	2021101869	2021101869	2021102584	2021101877
<b><u>A23L 27 /-</u></b>	<b><u>A61H 23 /-</u></b>	<b><u>A61M 60 /-</u></b>	<b><u>B01J 3 /-</u></b>	<b><u>B25J 18 /-</u></b>	<b><u>B65G 47 /-</u></b>
2021102609	2021102598	2021101677	2021102475 2021102476	2021102584	2021101305
<b><u>A23L 3 /-</u></b>				<b><u>B25J 9 /-</u></b>	<b><u>B82Y 15 /-</u></b>
2021102563				2021102584	2021101869 2021102596
<b><u>A23L 31 /-</u></b>					
2021102563					

Innovation Patents Open to Public Inspection - IPC Index cont'd

<b><u>B82Y 30 /-</u></b>	<b><u>C08B 30 /-</u></b>	<b><u>D06F 57 /-</u></b>	<b><u>E04H 1 /-</u></b>	<b><u>F16S 5 /-</u></b>	<b><u>G01V 1 /-</u></b>	
2021101869 2021102534	2021102582 2021102585	2021102572	2019101796	2021102077	2021102483	
<b><u>B82Y 40 /-</u></b>	<b><u>C08F 251 /-</u></b>	<b><u>E01C 19 /-</u></b>	<b><u>E04H 12 /-</u></b>	<b><u>F21V 3 /-</u></b>	<b><u>G01W 1 /-</u></b>	
2021102596	2021102582 2021102585	2021102491 2021102492 2021102493 2021102494 2021102495 2021102496 2021102497 2021102498 2021102499 2021102500 2021102501 2021102502 2021102503 2021102504 2021102505 2021102506 2021102507 2021102508 2021102509 2021102510 2021102511	2021102570	2021102403	2021102531	
<b><u>C01B 32 /-</u></b>	<b><u>C08G 77 /-</u></b>	<b><u>E04H 9 /-</u></b>	<b><u>E06B 1 /-</u></b>	<b><u>F24F 3 /-</u></b>	<b><u>G03B 42 /-</u></b>	
2021101869 2021102534	2021102378	2021102483	2019101802	2020104426	2021102188	
<b><u>C01G 19 /-</u></b>	<b><u>C09D 183 /-</u></b>	<b><u>E06B 7 /-</u></b>	<b><u>E21B 25 /-</u></b>	<b><u>F24F 8 /-</u></b>	<b><u>G05B 11 /-</u></b>	
2021101869	2021102378	2019101802	2021102145	2020104426 2021102559	2021102607	
<b><u>C01G 53 /-</u></b>	<b><u>C09J 151 /-</u></b>	<b><u>F01N 3 /-</u></b>	<b><u>F03B 13 /-</u></b>	<b><u>G01C 11 /-</u></b>	<b><u>G05B 17 /-</u></b>	
2021102596	2021102582 2021102585	2020104430 2020104431	2021101956	2019101803	2021102525	
<b><u>C02F 1 /-</u></b>	<b><u>C09K 11 /-</u></b>	<b><u>F03B 17 /-</u></b>	<b><u>F15B 15 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G05B 19 /-</u></b>	
2021102350 2021102475 2021102476 2021102540	2021102599	2021101956	2021102491 2021102492 2021102493 2021102494 2021102495 2021102496 2021102497 2021102498 2021102499 2021102500 2021102501 2021102502 2021102503 2021102504 2021102505 2021102506 2021102507 2021102508 2021102509 2021102510 2021102511	2021101956	2021101956 2021102517	2020104432 2021102485 2021102487 2021102592 2021102607
<b><u>C02F 101 /-</u></b>	<b><u>C11B 1 /-</u></b>	<b><u>F03B 17 /-</u></b>	<b><u>G01M 13 /-</u></b>	<b><u>G01G 19 /-</u></b>	<b><u>G05B 23 /-</u></b>	
2021102350 2021102475 2021102476	2021102435	2021101956	2021102312	2018102215	2021102487	
<b><u>C02F 103 /-</u></b>	<b><u>C11B 3 /-</u></b>	<b><u>F03B 17 /-</u></b>	<b><u>G01M 15 /-</u></b>	<b><u>G01M 13 /-</u></b>	<b><u>G05D 1 /-</u></b>	
2021102350 2021102475 2021102476	2021102435	2021101956	2021102486	2021102312	2021102485 2021102531 2021102592	
<b><u>C02F 11 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>F15B 15 /-</u></b>	<b><u>G01M 17 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G06F 11 /-</u></b>	
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<b><u>C04B 35 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>E03F 5 /-</u></b>	<b><u>G01N 3 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G06F 113 /-</u></b>	
2021102599	2019101799	2019101802 2021101956	2021102573	2021102080	2021102552	
<b><u>C05F 3 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G06F 15 /-</u></b>	
2021102608	2019101799	2021101938 2021102483	2021102486 2021102562 2021102573 2021102596	2021102080	2019101803	
<b><u>C07C 15 /-</u></b>	<b><u>C12N 9 /-</u></b>	<b><u>E04B 7 /-</u></b>	<b><u>G01R 11 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06F 16 /-</u></b>	
2021102463	2021102566	2021101938 2021102483	2021102446	2021102486 2021102562 2021102573 2021102596	2021102386 2021102457 2021102562	
<b><u>C07C 7 /-</u></b>	<b><u>C12P 1 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>G01R 21 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G06F 17 /-</u></b>	
2021102463	2021102566	2021101938	2021102446	2021102080	2021102317 2021102603	
<b><u>C07D 489 /-</u></b>	<b><u>C12P 7 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>G01R 21 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06F 21 /-</u></b>	
2021102558	2021102566	2021101938	2021102446	2021102486 2021102562 2021102573 2021102596	2021102317 2021102603	
<b><u>C08B 11 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>F16F 15 /-</u></b>	<b><u>G01R 22 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06F 30 /-</u></b>	
2020104427	2021102561 2021102542	2021102312	2021102446	2021102486 2021102562 2021102573 2021102596	2021102317 2021102386 2021102490 2021102532 2021102580 2021102600	
<b><u>C08B 15 /-</u></b>	<b><u>C12R 1 /-</u></b>	<b><u>F16F 7 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06F 30 /-</u></b>	
2020104427	2021102561 2021102566	2021102312	2021102592	2021102486 2021102562 2021102573 2021102596	2021102457	



Innovation Patents Open to Public Inspection - IPC Index cont'd

2021102552	2021102603	<b><u>G16B 25 /-</u></b>	<b><u>H02J 7 /-</u></b>
<b><u>G06F 40 /-</u></b>	<b><u>G06T 17 /-</u></b>	2021102287	2021102602
2021102430	2019101803	<b><u>G16H 10 /-</u></b>	<b><u>H02P 25 /-</u></b>
<b><u>G06F 9 /-</u></b>	<b><u>G06T 19 /-</u></b>	2021102488	2021102573
2019101803	2019101803	2021102530	
2021102317		2021102556	<b><u>H04B 1 /-</u></b>
2021102569	<b><u>G06T 5 /-</u></b>	2021102579	
<b><u>G06K 9 /-</u></b>	2021102184	<b><u>G16H 20 /-</u></b>	2021102604
		2021102488	<b><u>H04B 10 /-</u></b>
2021102309	<b><u>G06T 7 /-</u></b>		
2021102484		<b><u>G16H 30 /-</u></b>	2021102555
2021102562	2019101803		
2021102593	2021100784	2021102484	<b><u>H04L 1 /-</u></b>
	2021102184		
<b><u>G06N 20 /-</u></b>	2021102597	<b><u>G16H 40 /-</u></b>	2021102555
2021100784	<b><u>G07G 1 /-</u></b>	2021102533	<b><u>H04L 12 /-</u></b>
2021101956		2021102579	
2021102483	2018102215		2021102490
2021102487		<b><u>G16H 50 /-</u></b>	
2021102569	<b><u>G08B 13 /-</u></b>		<b><u>H04L 29 /-</u></b>
2021102593		2021102430	2021102490
2021102597	2021102446	2021102484	2021102532
		2021102530	2021102555
<b><u>G06N 3 /-</u></b>	<b><u>G08B 17 /-</u></b>	2021102593	2021102580
			2021102600
2021100784	2021102487	<b><u>G16H 80 /-</u></b>	
2021102287			<b><u>H04W 4 /-</u></b>
2021102457	<b><u>G08B 21 /-</u></b>	2021102533	
2021102484			
2021102569	2021102517	<b><u>G16Y 10 /-</u></b>	2021102555
2021102593	2021102553		2021102602
2021102597		2021102317	
2021102600	<b><u>G08B 23 /-</u></b>	2021102533	<b><u>H04W 40 /-</u></b>
<b><u>G06N 5 /-</u></b>	2021102446	<b><u>G16Y 20 /-</u></b>	2021102555
2021102430	<b><u>G08C 17 /-</u></b>	2021102579	<b><u>H04W 72 /-</u></b>
2021102457			
<b><u>G06N 7 /-</u></b>	2021102592	<b><u>G16Y 30 /-</u></b>	2021102600
2021102593	<b><u>G08G 5 /-</u></b>	2021102490	<b><u>H04W 84 /-</u></b>
		2021102533	
<b><u>G06Q 10 /-</u></b>	2021102531	<b><u>H01P 1 /-</u></b>	2021102555
			2021102600
2020104432		2021102604	<b><u>H05K 1 /-</u></b>
2021102386	2021101302		
2021102603	<b><u>G09B 19 /-</u></b>	<b><u>H01P 11 /-</u></b>	2021102604
<b><u>G06Q 30 /-</u></b>	2021102525	2021102604	<b><u>H05K 9 /-</u></b>
2018102214	<b><u>G09B 23 /-</u></b>	<b><u>H01P 3 /-</u></b>	2021101303
2021102386			
2021102487	2021102564	2021102604	<b><u>No IPC Mark</u></b>
<b><u>G06Q 40 /-</u></b>	<b><u>G09B 5 /-</u></b>	<b><u>H01P 7 /-</u></b>	
2021102594	2021102525	2021102604	
	2021102537	<b><u>H01Q 1 /-</u></b>	
<b><u>G06Q 50 /-</u></b>			
	<b><u>G10L 13 /-</u></b>	2021102604	
2018102214			
2019101803	2021102568	<b><u>H01Q 13 /-</u></b>	
2021102317			
2021102386	<b><u>G10L 25 /-</u></b>	2021102604	
2021102457			
2021102487	2021102568	<b><u>H01Q 21 /-</u></b>	
2021102532			
		2021102604	

PCT applications which have entered the National Phase

Name Index

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

<p>(71) Aero-Tech Pty Ltd (11) AU-A-2019396828 (21) 2019396828 (22) 26.11.2019 (54) Sweeper (51) Int. Cl. E01H 1/04 ( 2006.01 ) A01G 20/40 ( 2018.01 ) A01G 20/43 ( 2018.01 ) E01H 1/12 ( 2006.01 ) E01H 15/00 ( 2006.01 ) (87) WO2020/118353 (31) 2018904718 (32) 12.12.18 (33) AU 2019903059 21.08.19 AU 2019100997 03.09.19 AU (43) 18.06.2020 (72) TOZER, Warwick; TOZER, Stuart (74) Davies Collison Cave Pty Ltd</p>	<p>(31) 62/774,209 (32) 01.12.18 (33) US 62/816,187 10.03.19 US 62/931,487 06.11.19 US (43) 04.06.2020 (72) CHANG, David; BALAKUMARAN, Ar- un; KONTO, Cyril Alkis (74) Allens Patent &amp; Trade Mark Attorneys</p>	<p>(43) 20.08.2020 (72) WU, Chia-Jung; CLARK, Nicholas J.; MAHESHWARI, Ronak; FRANEY, Heather N. (74) Spruson &amp; Ferguson</p>
<p>(71) Airbus Defence and Space SAS (11) AU-A-2019410233 (21) 2019410233 (22) 19.12.2019 (54) Network device with inter-network policy-based routing function (51) Int. Cl. H04L 12/725 ( 2013.01 ) (87) WO2020/127648 (31) 1873485 (32) 20.12.18 (33) FR (43) 25.06.2020 (72) POLETTI, Claude (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Alnylam Pharmaceuticals, Inc. (11) AU-A-2019405783 (21) 2019405783 (22) 19.12.2019 (54) Amyloid precursor protein (APP) RNAi agent compositions and methods of use thereof (51) Int. Cl. C12N 15/113 ( 2010.01 ) A61P 25/28 ( 2006.01 ) (87) WO2020/132227 (31) 62/781,774 (32) 19.12.18 (33) US 62/862,472 17.06.19 US 62/928,795 31.10.19 US (43) 25.06.2020 (72) MILSTEIN, Stuart; BROWN, Kirk; NAIR, Jayaprakash; MAIER, Mar- tin; JADHAV, Vasant; KEATING, Mark; CASTORENO, Adam; HAS- LETT, Patrick; SOUNDARAPANDIAN, Mangala Meenakshi; FITZGERALD, Kevin (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Ampel Biosolutions, LLC (11) AU-A-2019380342 (21) 2019380342 (22) 08.11.2019 (54) Machine learning disease prediction and treatment prioritization (51) Int. Cl. G06K 9/62 ( 2006.01 ) G16H 50/20 ( 2018.01 ) G16H 50/30 ( 2018.01 ) G16H 50/70 ( 2018.01 ) (87) WO2020/102043 (31) 62/768,054 (32) 15.11.18 (33) US 62/828,895 03.04.19 US 62/833,493 12.04.19 US 62/863,192 18.06.19 US 62/863,772 19.06.19 US 62/869,903 02.07.19 US 62/881,286 31.07.19 US 62/912,560 08.10.19 US 62/926,355 25.10.19 US (43) 22.05.2020 (72) LIPSKY, Peter E.; CATALINA, Michelle D.; GRAMMER, Amrie C.; KEGERRE- IS, Brian; LABONTE, Adam; OWEN, Katherine A.; BACHALI, Prathyusha (74) FB Rice Pty Ltd</p>
<p>(71) Alipay (Hangzhou) Information Techno- logy Co., Ltd. (11) AU-A-2019380381 (21) 2019380381 (22) 13.12.2019 (54) Smart logistics management using blockchain (51) Int. Cl. G06Q 10/00 ( 2012.01 ) G06Q 20/00 ( 2012.01 ) (87) WO2020/098824 (43) 22.05.2020 (72) CHENG, Long; LI, Yanpeng (74) Spruson &amp; Ferguson</p>	<p>(71) Amgen Inc. (11) AU-A-2020221446 (21) 2020221446 (22) 05.02.2020 (54) Continuous dosing systems and ap- proaches (51) Int. Cl. A61M 5/152 ( 2006.01 ) A61M 5/168 ( 2006.01 ) (87) WO2020/167542 (31) 62/804,506 (32) 12.02.19 (33) US (43) 20.08.2020 (72) MCCULLOUGH, Adam B.; NOWAK, Gregory Thomas (74) Spruson &amp; Ferguson</p>	<p>(71) Anram Holdings (11) AU-A-2019385718 (21) 2019385718 (22) 20.11.2019 (54) A performance improvement unit for pulsed-ultraviolet devices (51) Int. Cl. H03K 3/00 ( 2006.01 ) A61L 2/10 ( 2006.01 ) (87) WO2020/102896 (31) 62/769,779 (32) 20.11.18 (33) US (43) 28.05.2020 (72) RAMANAND, Prakash Valentino; DHIL- LON, Manjinder Singh (74) Cotters Patent &amp; Trade Mark Attorneys</p>
<p>(71) Allogene Therapeutics, Inc. (11) AU-A-2019386063 (21) 2019386063 (22) 26.11.2019 (54) Chimeric antigen receptors targeting B- cell maturation antigen and methods of use thereof (51) Int. Cl. A61P 35/00 ( 2006.01 ) A61K 35/17 ( 2015.01 ) C07K 14/725 ( 2006.01 ) C07K 16/28 ( 2006.01 ) C12N 5/0783 ( 2010.01 ) A61K 39/00 ( 2006.01 ) (87) WO2020/112796</p>	<p>(71) Amgen Inc. (11) AU-A-2020221879 (21) 2020221879 (22) 05.02.2020 (54) Dosing systems and approaches (51) Int. Cl. A61M 5/14 ( 2006.01 ) A61J 1/10 ( 2006.01 ) A61J 1/14 ( 2006.01 ) A61J 1/16 ( 2006.01 ) A61J 1/20 ( 2006.01 ) A61M 5/142 ( 2006.01 ) A61M 5/148 ( 2006.01 ) A61M 39/10 ( 2006.01 ) (87) WO2020/167541 (31) 62/804,447 (32) 12.02.19 (33) US</p>	<p>(71) Antag Therapeutics ApS (11) AU-A-2019391300 (21) 2019391300 (22) 03.12.2019 (54) Modified GIP peptide analogues (51) Int. Cl. C07K 14/435 ( 2006.01 ) C07K 14/605 ( 2006.01 ) (87) WO2020/115048 (31) 19176739.1 (32) 27.05.19 (33) EP 18209896.2 03.12.18 EP</p>

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 (54) Space-efficient order fulfillment system for workflow between service areas  
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 (54) Systems and methods for health care communication  
 (51) Int. Cl.  
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*H04L 29/06* ( 2006.01 )  
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 (51) Int. Cl.  
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*F42B 12/20* ( 2006.01 )  
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**F42C 3/00** ( 2006.01 )  
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**(74)** Shelston IP Pty Ltd.
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**G01R 31/28** ( 2006.01 )  
**H03K 3/26** ( 2006.01 )  
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**G01R 31/316** ( 2006.01 )
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**A61M 21/02** ( 2006.01 )  
**B32B 3/06** ( 2006.01 )  
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**(54)** Syringe-based delivery device for a vascular access instrument  
**(51)** Int. Cl.  
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- (71)** BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.  
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**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )
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**(11)** AU-A-2019403263  
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**(54)** Generation of organoid-primed T (oPT) cells with memory phenotype  
**(51)** Int. Cl.  
**C12N 5/02** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 49/16** ( 2006.01 )  
**A61K 49/18** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**C12N 5/07** ( 2010.01 )  
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**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2019394520  
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**(54)** Tyrosine kinase inhibitors, compositions and methods there of  
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**(51)** Int. Cl.  
**A61P 25/06** ( 2006.01 )  
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**(74)** AJ PARK
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**(51)** Int. Cl.  
**H04L 9/30** ( 2006.01 )  
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**(51)** Int. Cl.  
**H03K 3/45** ( 2006.01 )  
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 (54) Overhanging element  
 (51) Int. Cl.  
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**H02K 7/02** ( 2006.01 )  
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**A01K 29/00** ( 2006.01 )  
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**(74)** Shelston IP Pty Ltd.
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 hibitor, and pharmaceutical composition  
 comprising thereof  
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**C07D 401/04** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
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 manufacture  
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**A47C 27/06** ( 2006.01 )  
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 B32B 19/02 ( 2006.01 )  
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 B32B 27/20 ( 2006.01 )  
 B32B 27/22 ( 2006.01 )  
 B32B 27/30 ( 2006.01 )  
 B32B 27/40 ( 2006.01 )  
 C08K 5/092 ( 2006.01 )  
 C08K 5/103 ( 2006.01 )  
 C08K 5/12 ( 2006.01 )  
 C08K 5/523 ( 2006.01 )  
 C08L 29/14 ( 2006.01 )  
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A21D 13/00 ( 2017.01 )  
A23G 3/42 ( 2006.01 )  
A23G 3/48 ( 2006.01 )  
A23L 33/10 ( 2016.01 )  
A23L 33/105 ( 2016.01 )  
A23L 33/125 ( 2016.01 )  
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B60W 30/00 ( 2006.01 )  
G01C 21/26 ( 2006.01 )  
G08G 1/00 ( 2006.01 )  
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C07D 213/71 ( 2006.01 )  
C07D 213/73 ( 2006.01 )  
C07D 233/78 ( 2006.01 )  
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D06F 37/30 ( 2020.01 )  
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H04N 19/122 ( 2014.01 )  
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C07H 21/00 ( 2006.01 )  
C12N 15/65 ( 2006.01 )  
G01N 33/58 ( 2006.01 )
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A61B 5/00 ( 2006.01 )  
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G06G 7/60 ( 2006.01 )  
G16H 10/00 ( 2018.01 )  
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C07C 311/13 ( 2006.01 )  
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C07C 311/21 ( 2006.01 )  
C07C 311/29 ( 2006.01 )  
C07C 311/51 ( 2006.01 )  
C07C 317/12 ( 2006.01 )  
C07C 317/14 ( 2006.01 )  
C07C 317/44 ( 2006.01 )  
C07D 209/08 ( 2006.01 )  
C07D 213/79 ( 2006.01 )  
C07D 215/36 ( 2006.01 )  
C07D 217/02 ( 2006.01 )  
C07D 241/44 ( 2006.01 )  
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**F21S 4/20** ( 2016.01 )  
**F21V 23/00** ( 2015.01 )
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**G06N 20/00** ( 2019.01 )  
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**C10G 33/04** ( 2006.01 )  
**B01D 17/04** ( 2006.01 )  
**C08G 63/78** ( 2006.01 )  
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C10G 33/04 (2006.01)			G01N 21/77 (2006.01)	
B01D 17/04 (2006.01)			G01N 35/00 (2006.01)	
C08G 63/78 (2006.01)			G01N 35/10 (2006.01)	
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B01D 17/04 (2006.01)			F04D 17/12 (2006.01)	
C08G 63/672 (2006.01)			C07C 5/333 (2006.01)	
C08G 63/685 (2006.01)			F04D 29/58 (2006.01)	
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(51) Int. Cl.			(51) Int. Cl.	
A23K 20/105 (2016.01)			B42D 25/369 (2014.01)	
A23K 20/189 (2016.01)			B41M 3/14 (2006.01)	
A23K 40/00 (2016.01)			B42D 25/405 (2014.01)	
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C07K 14/245 (2006.01)			B65G 1/04 (2006.01)	
A61K 35/74 (2015.01)			B65G 54/02 (2006.01)	
C12P 13/12 (2006.01)				
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(54) System and method for distributing multimedia public warning alerts in a mobile telecommunications network			(54) Chimeric antigen receptors (CARs) and their use in medicine	
(51) Int. Cl.			(51) Int. Cl.	
H04W 4/90 (2018.01)				
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**(54)** Perforating gun with switch cartridge  
**(51)** Int. Cl.  
**E21B 43/1185** ( 2006.01 )  
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**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/7088** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
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**(74)** WRAYS PTY LTD
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**(51)** Int. Cl.  
**A63B 24/00** ( 2006.01 )  
**A63B 22/00** ( 2006.01 )  
**A63B 22/02** ( 2006.01 )  
**A63B 71/06** ( 2006.01 )  
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**(74)** Madderns Pty Ltd
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**(51)** Int. Cl.  
**A23K 20/142** ( 2016.01 )  
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**(74)** Madderns Pty Ltd
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**(11)** AU-A-2020218552  
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**(54)** Liquid concentrate fire retardant compositions containing mixtures of ammonium phosphates  
**(51)** Int. Cl.  
**A61K 35/19** ( 2015.01 )  
**A61K 38/18** ( 2006.01 )  
**A61P 17/02** ( 2006.01 )  
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**(31)** 62/802,902 **(32)** 08.02.19 **(33)** US  
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**(72)** ROBLES, Juan; MUNOZ, Marcela; KIM, Melissa  
**(74)** Houlihan<sup>2</sup> Pty Ltd
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**(54)** Novel polymorphic forms of a TGFβ inhibitor  
**(51)** Int. Cl.  
**C07D 213/82** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 62/782,411 **(32)** 20.12.18 **(33)** US  
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**(43)** 25.06.2020  
**(72)** SISTLA, Anand Venkataramana; ROY, Iain David; ROBBINS, Andrew  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** Pi-Design AG  
**(11)** AU-A-2019395646  
**(21)** 2019395646 **(22)** 17.09.2019  
**(54)** Heating device for heating a liquid, in particular water, contained in a reservoir, and apparatus for preparing hot beverages, in particular coffee or tea, comprising such a heating device  
**(51)** Int. Cl.  
**A47J 31/047** ( 2006.01 )  
**H05B 3/00** ( 2006.01 )  
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**(72)** BODUM, Jorgen  
**(74)** Franke Hyland Pty Ltd
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**(54)** Kitchen appliance for processing food  
**(51)** Int. Cl.  
**A47J 42/40** ( 2006.01 )  
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**(31)** 10 2018 131 927.4 **(32)** 12.12.18 **(33)** DE  
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**(72)** BODUM, Jorgen  
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**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(54)** Artificial turf infill and artificial turf  
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**E01C 13/08** ( 2006.01 )  
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**(72)** SICK, Stephan; LOHR, Ivo; HALLY, Stefan; FINDER, Zdenka  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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**(21)** 2020234553 **(22)** 10.03.2020  
**(54)** Methods for clonal plant production  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01H 4/00** ( 2006.01 )  
**C07K 14/415** ( 2006.01 )  
**(87)** WO2020/185751  
**(31)** 62/816,580 **(32)** 11.03.19 **(33)** US

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 (74) FPA Patent Attorneys Pty Ltd
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 (54) Plant colonization assays using natural microbial barcodes  
 (51) Int. Cl.  
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*A01H 3/00* (2006.01)  
*C12N 15/74* (2006.01)  
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 (54) Catalytic compositions and thi-olene-based compositions with extended pot life  
 (51) Int. Cl.  
*C08G 75/045* (2016.01)  
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 (31) 16/228,043 (32) 20.12.18 (33) US  
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 (74) MINTER ELLISON
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 (54) Multiplexing highly evolving viral variants with Sherlock detection method  
 (51) Int. Cl.  
*C12Q 1/6823* (2018.01)  
*C12N 9/22* (2006.01)  
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*G16B 25/20* (2019.01)  
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 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2019379578 (22) 13.11.2019  
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*A42B 3/04* (2006.01)  
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 (51) Int. Cl.  
*A61C 7/08* (2006.01)  
*A61C 17/22* (2006.01)  
*A61C 19/045* (2006.01)  
*A61F 5/56* (2006.01)  
 (87) WO2020/102378  
 (31) 62/760,512 (32) 13.11.18 (33) US  
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 (72) MALONEY, Kyle Anthony; LARSEN, Christopher Scott; WASHBURN, Steven J.  
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 (21) 2020219374 (22) 07.02.2020  
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 (51) Int. Cl.  
*C07K 16/18* (2006.01)  
*A61K 39/00* (2006.01)  
*A61K 39/395* (2006.01)  
*A61P 25/28* (2006.01)  
*C07K 14/435* (2006.01)  
*C07K 14/47* (2006.01)  
*G01N 33/577* (2006.01)  
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 (51) Int. Cl.  
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 (54) Plant tissue-derived nanofibres  
 (51) Int. Cl.  
*C08L 5/00* (2006.01)  
*A01N 25/10* (2006.01)  
*A01P 1/00* (2006.01)  
*A23L 29/206* (2016.01)  
*A23L 33/10* (2016.01)  
*A23L 33/105* (2016.01)  
*A23L 33/21* (2016.01)  
*A61K 8/73* (2006.01)  
*A61K 31/715* (2006.01)  
*A61K 47/36* (2006.01)  
*A61K 47/61* (2017.01)  
*A61P 3/06* (2006.01)  
*A61P 3/08* (2006.01)  
*A61P 35/00* (2006.01)  
*A61Q 17/04* (2006.01)  
*C08L 5/06* (2006.01)  
*C08L 5/14* (2006.01)  
*D01C 1/02* (2006.01)  
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 (74) Davies Collison Cave Pty Ltd
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 (54) Plant tissue-derived nanoparticles and food powders  
 (51) Int. Cl.  
*A61K 36/00* (2006.01)  
*A23L 29/20* (2016.01)  
*A23L 33/10* (2016.01)  
*A23L 33/105* (2016.01)  
*A23L 33/21* (2016.01)  
*A23P 10/40* (2016.01)  
*A61K 8/02* (2006.01)  
*A61K 8/97* (2017.01)  
*A61K 9/14* (2006.01)  
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*A61P 3/04* (2006.01)  
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*C07C 43/295* (2006.01)  
*C07D 305/14* (2006.01)  
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*C08L 5/00* (2006.01)  
*C08L 5/06* (2006.01)  
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 (54) Fusion protein constructs for complement associated disease  
 (51) Int. Cl.  
     **A61K 38/17** ( 2006.01 )  
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     **C07K 16/18** ( 2006.01 )  
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 (54) A rotating heat carrier system  
 (51) Int. Cl.  
     **F28D 19/04** ( 2006.01 )  
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 (54) Refrigerator appliance having an ice making assembly  
 (51) Int. Cl.  
     **F25C 5/02** ( 2006.01 )  
     **F25C 1/00** ( 2006.01 )  
     **F25D 11/02** ( 2006.01 )  
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 (74) Shelston IP Pty Ltd.

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 (51) Int. Cl.  
     **C07D 213/73** ( 2006.01 )  
     **A01N 43/40** ( 2006.01 )  
     **A01N 43/54** ( 2006.01 )  
     **A01N 43/58** ( 2006.01 )  
     **A01N 43/66** ( 2006.01 )  
     **A01P 13/00** ( 2006.01 )  
     **C07D 213/75** ( 2006.01 )  
     **C07D 401/12** ( 2006.01 )  
     **C07D 405/12** ( 2006.01 )  
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 (51) Int. Cl.  
     **C07K 16/26** ( 2006.01 )  
     **G01N 33/50** ( 2006.01 )  
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 (51) Int. Cl.  
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     **A61K 9/70** ( 2006.01 )  
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 (51) Int. Cl.

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 (43) 18.06.2020  
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 (54) Integrated platform and common software structural architecture for autonomous agricultural vehicle and machinery operation.  
 (51) Int. Cl.  
     **G05D 1/00** ( 2006.01 )  
     **A01B 69/04** ( 2006.01 )  
     **A01B 79/00** ( 2006.01 )  
     **B60W 60/00** ( 2020.01 )  
     **G01S 17/931** ( 2020.01 )  
     **G05D 1/02** ( 2020.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2019381724 (22) 14.11.2019  
 (54) Sprayer boom recirculation and mixing systems and methods for same  
 (51) Int. Cl.  
     **B05B 3/12** ( 2006.01 )  
     **A01C 15/00** ( 2006.01 )  
     **A01C 23/00** ( 2006.01 )  
     **A01M 7/00** ( 2006.01 )  
     **B05B 15/50** ( 2018.01 )  
     **B05B 15/52** ( 2018.01 )  
     **B05B 15/58** ( 2018.01 )  
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 (72) WAGERS, Jesse Lee; MICHAEL, Nicholas O.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Cable robot  
 (51) Int. Cl.  
     **B25J 9/10** ( 2006.01 )  
     **B25J 5/00** ( 2006.01 )  
     **B25J 9/18** ( 2006.01 )  
     **B25J 11/00** ( 2006.01 )  
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 (74) Michael Buck IP

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(51) Int. Cl.  
G01N 30/88 (2006.01)  
(87) WO2020/150328  
(31) 62/793,004 (32) 16.01.19 (33) US  
(43) 23.07.2020  
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(74) Phillips Ormonde Fitzpatrick
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(11) AU-A-2019407591  
(21) 2019407591 (22) 16.12.2019  
(54) Closure system for beverage cans  
(51) Int. Cl.  
B65D 17/50 (2006.01)  
B65D 47/28 (2006.01)  
(87) WO2020/127071  
(31) 18212937.9 (32) 17.12.18 (33) EP  
(43) 25.06.2020  
(72) BÜHLER, Alois; SCHANDL, Christian  
(74) Halfords IP
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(11) AU-A-2019401466  
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(54) Compounds that participate in cooperative binding and uses thereof  
(51) Int. Cl.  
A61K 31/504 (2006.01)  
A61K 38/12 (2006.01)  
C07K 5/02 (2006.01)  
(87) WO2020/132597  
(31) 62/930,489 (32) 04.11.19 (33) US  
62/894,493 30.08.19 US  
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(43) 25.06.2020  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Rheem Manufacturing Company  
(11) AU-A-2019396210  
(21) 2019396210 (22) 10.12.2019  
(54) Combustion tube assembly of a water heater  
(51) Int. Cl.  
F24H 1/16 (2006.01)  
F24H 1/28 (2006.01)  
(87) WO2020/123516  
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 A61P 35/00 ( 2006.01 )  
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 C07F 7/10 ( 2006.01 )  
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 A41D 1/00 ( 2018.01 )  
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C01B 3/32 ( 2006.01 )  
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G06T 7/20 ( 2017.01 )  
G01C 21/16 ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** Subsea 7 Limited  
**(11)** AU-A-2019414994  
**(21)** 2019414994 **(22)** 23.12.2019  
**(54)** Installing subsea risers  
**(51)** Int. Cl.  
**F16L 1/12** ( 2006.01 )  
**E21B 17/01** ( 2006.01 )  
**F16L 1/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**C01G 41/00** ( 2006.01 )  
**C01G 41/02** ( 2006.01 )  
**C08F 2/44** ( 2006.01 )  
**C08F 12/00** ( 2006.01 )  
**C08K 3/22** ( 2006.01 )  
**C08L 101/00** ( 2006.01 )  
**C09C 1/00** ( 2006.01 )  
**C09C 3/10** ( 2006.01 )  
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**C07K 14/50** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(54)** Composition  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**A23L 2/54** ( 2006.01 )  
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**(51)** Int. Cl.  
**G06F 1/16** ( 2006.01 )  
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**B02C 19/18** ( 2006.01 )  
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**C12N 15/62** ( 2006.01 )  
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**A61M 16/06** ( 2006.01 )
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**F17D 5/02** ( 2006.01 )  
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**E02D 17/04** ( 2006.01 )

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**(51)** Int. Cl.  
**C12N 15/55** ( 2006.01 )  
**A61K 38/46** ( 2006.01 )  
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**C12N 5/10** ( 2006.01 )  
**C12N 9/16** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
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**A61K 31/137** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
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**A61P 5/50** ( 2006.01 )  
**A61P 11/08** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**G01S 15/88** ( 2006.01 )  
**B02C 23/00** ( 2006.01 )  
**G01N 29/07** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61G 3/00** ( 2006.01 )  
**B60P 7/08** ( 2006.01 )  
**F16M 11/04** ( 2006.01 )  
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**E04F 15/02** ( 2006.01 )  
**F16B 5/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**H04W 8/20** ( 2009.01 )  
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(51) Int. Cl.  
*H04N 5/225* (2006.01)  
*B60Q 1/24* (2006.01)  
*B60W 40/02* (2006.01)  
*F21V 5/04* (2006.01)  
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(54) Method and device for monitoring data output by a server  
(51) Int. Cl.  
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(51) Int. Cl.  
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(51) Int. Cl.  
*C07D 401/14* (2006.01)  
*A61K 31/4439* (2006.01)  
*A61K 31/496* (2006.01)  
*A61K 31/497* (2006.01)  
*A61K 31/506* (2006.01)  
*A61P 1/04* (2006.01)  
*A61P 11/00* (2006.01)  
*A61P 13/00* (2006.01)  
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*A61P 17/00* (2006.01)  
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*A61P 37/00* (2006.01)  
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(74) Madderns Pty Ltd

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(21) 2019283096 (22) 05.06.2019  
(54) Compounds as nuclear transport modulators and uses thereof  
(51) Int. Cl.  
*C07D 249/08* (2006.01)  
*A61K 31/4196* (2006.01)  
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*A61P 35/00* (2006.01)  
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(21) 2019401108 (22) 27.09.2019  
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(51) Int. Cl.  
*A61K 31/706* (2006.01)  
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*A61P 43/00* (2006.01)  
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(71) Z Factor Limited  
(11) AU-A-2019398520  
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*A61K 31/513* (2006.01)  
*A61P 1/16* (2006.01)  
*A61P 11/06* (2006.01)  
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(31) 1820450.3 (32) 14.12.18 (33) GB  
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(11) AU-A-2019385333  
(21) 2019385333 (22) 18.11.2019  
(54) C10-alkylene substituted 13-membered macrolides and uses thereof  
(51) Int. Cl.  
*A61P 31/04* (2006.01)  
*A61K 31/7048* (2006.01)  
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(74) AJ PARK

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(11) AU-A-2019385383  
(21) 2019385383 (22) 18.11.2019  
(54) C11-cyclic substituted 13-membered macrolides and uses thereof  
(51) Int. Cl.  
*C07H 17/08* (2006.01)  
*A61K 31/7048* (2006.01)  
*A61P 31/04* (2006.01)  
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(74) AJ PARK

Numerical Index

<b>2018401970</b>	SwarmFarm Robotics Pty Ltd.	<b>2019386778</b>	Dong, F.
<b>2018449153</b>	Half Moon Medical, Inc.	<b>2019387216</b>	Clara Analytics, Inc.
<b>2018449359</b>	Peng, X.	<b>2019387317</b>	Sceye Sàrl
<b>2018449531</b>	Lochterra Inc.	<b>2019387473</b>	Arjil Biotech Holding Company Limited; Wu, Y.B.
<b>2018449796</b>	Huawei Technologies Co., Ltd.	<b>2019388208</b>	Elkem ASA
<b>2018451520</b>	Nektium Pharma, S.L.	<b>2019388263</b>	Multigate Medical Products Pty Ltd
<b>2018454201</b>	Synergia Medical	<b>2019388862</b>	Becton, Dickinson and Company
<b>2018455659</b>	Colgate-Palmolive Company	<b>2019389146</b>	Venovation Inc.
<b>2018455774</b>	Colgate-Palmolive Company	<b>2019389174</b>	Kymera Therapeutics, Inc.
<b>2018455775</b>	Colgate-Palmolive Company	<b>2019389762</b>	Calladine Pharmaceuticals Limited
<b>2018455779</b>	Colgate-Palmolive Company	<b>2019390090</b>	Kyushu University, National University Corporation
<b>2019283096</b>	XW Laboratories Inc.	<b>2019390718</b>	The Princeton Group Inc – C40917
<b>2019349751</b>	Scrubbis AB	<b>2019390849</b>	Nippon Paper Industries Co., Ltd.
<b>2019369206</b>	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	<b>2019391300</b>	Antag Therapeutics ApS
<b>2019374291</b>	Vivo Mobile Communication Co., Ltd.	<b>2019391329</b>	Les Laboratoires Servier; Vernalis (R&D) Limited
<b>2019376688</b>	Fertility Preservation Canada Ltd.	<b>2019391657</b>	Seoul National University R&DB Research; Abion Inc.
<b>2019377958</b>	Fanca Technologies Pty Ltd	<b>2019391808</b>	Leverton Holding LLC
<b>2019378019</b>	Elekta, Inc.	<b>2019392156</b>	Seoul National University R&DB Foundation; Abion Inc.
<b>2019378099</b>	Psigrph Inc.	<b>2019392450</b>	Diagnostics for the Real World, Ltd
<b>2019378251</b>	Kanade, U.	<b>2019392469</b>	Fowling Enterprises, LLC.
<b>2019378623</b>	The Johns Hopkins University	<b>2019392473</b>	Complex Inc.
<b>2019379213</b>	Shanghai EnnovaBio Pharmaceuticals Co., Ltd.	<b>2019392537</b>	Tempus Labs, Inc.
<b>2019379337</b>	str8bat Sports Tech Solutions Pte. Ltd.	<b>2019392670</b>	Stealth Biotherapeutics Inc.
<b>2019379474</b>	LG Electronics Inc.	<b>2019392687</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2019379578</b>	Prevent Biometrics, Inc.	<b>2019393076</b>	BOUNCE, Inc.
<b>2019379835</b>	Heptron International Limited	<b>2019393243</b>	Gracell Biotechnologies (Shanghai) Co., Ltd.; Suzhou Gracell Biotechnologies Co., Ltd.
<b>2019379882</b>	Psigrph Inc.	<b>2019393345</b>	Carbonet Nanotechnologies Inc.
<b>2019380307</b>	Bristol-Myers Squibb Company	<b>2019393380</b>	SIGVARIS AG
<b>2019380342</b>	Ampel Biosolutions, LLC	<b>2019393558</b>	Suntory Holdings Limited
<b>2019380381</b>	Alipay (Hangzhou) Information Technology Co., Ltd.	<b>2019393853</b>	I4F Licensing NV
<b>2019380446</b>	Prevent Biometrics, Inc.; Maloney, K.A.; Larsen, C.S.; Washburn, S.J.	<b>2019394248</b>	Huawei Technologies Co., Ltd.
<b>2019380566</b>	Ocado Innovation Limited	<b>2019394520</b>	Betta Pharmaceuticals Co., Ltd
<b>2019380590</b>	President and Fellows of Harvard College; Massachusetts Institute of Technology; The Broad Institute, Inc.	<b>2019394796</b>	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College; The Phantom Laboratory, Incorporated
<b>2019380750</b>	WeNspire	<b>2019395419</b>	Exelixis, Inc.
<b>2019380877</b>	Davies, A.P.; Davies, K.S.	<b>2019395646</b>	Pi-Design AG
<b>2019380955</b>	Raven Industries, Inc.	<b>2019395661</b>	PI-Design AG
<b>2019381113</b>	HK Inno.N Corporation	<b>2019395802</b>	Aquaporin A/S
<b>2019381258</b>	China Agricultural University	<b>2019395820</b>	Nouryon Chemicals International B.V.
<b>2019381522</b>	Bluepopcon Inc.	<b>2019395852</b>	Midatech Ltd.
<b>2019381629</b>	Flaskworks, LLC	<b>2019396077</b>	Komatsu Ltd.; National University Corporation Yokohama National University
<b>2019381647</b>	Bearaby Inc.	<b>2019396125</b>	Destec Pty Ltd
<b>2019381724</b>	Raven Industries, Inc.	<b>2019396210</b>	Rheem Manufacturing Company
<b>2019381776</b>	Asklepios Biopharmaceutical, Inc.	<b>2019396232</b>	Mulholland, C.
<b>2019381843</b>	DECIMADX, LLC	<b>2019396269</b>	Ugochuku, I.
<b>2019381855</b>	Hydrus Technology Pty. Ltd.	<b>2019396490</b>	Imertach SAS; Centre national de la recherche scientifique (C.N.R.S); Université de Limoges
<b>2019382656</b>	The Dynamic Engineering Solution Pty Ltd	<b>2019396527</b>	MAKO Surgical Corp.
<b>2019383049</b>	The University of Adelaide	<b>2019396597</b>	Metso Outotec Sweden AB
<b>2019383051</b>	Huggan Co Pty Ltd	<b>2019396634</b>	Nouryon Chemicals International B.V.
<b>2019383439</b>	Exojet Technologies Srl	<b>2019396700</b>	Expro North Sea Limited
<b>2019383937</b>	Rimini Streeet, Inc.	<b>2019396760</b>	Rappaport Family Institute for Research in the Medical Sciences
<b>2019383962</b>	The Government of the United States of America, as represented by the Secretary of the Navy	<b>2019396828</b>	Aero-Tech Pty Ltd
<b>2019385328</b>	Sazy, J.A.	<b>2019396959</b>	Sany Mobile Cranes Co., Ltd.
<b>2019385331</b>	Bristol-Myers Squibb Company	<b>2019397046</b>	Peloton Interactive, Inc.
<b>2019385333</b>	Zikani Therapeutics, Inc.; President and Fellows of Harvard College	<b>2019397144</b>	MediBeacon Inc.
<b>2019385383</b>	Zikani Therapeutics, Inc.; President and Fellows of Harvard College	<b>2019397171</b>	Cascade Corporation
<b>2019385718</b>	Anram Holdings	<b>2019397251</b>	Caterpillar Inc.
<b>2019385732</b>	Frestems Oy	<b>2019398172</b>	Battelle Memorial Institute
<b>2019386000</b>	Dong, F.	<b>2019398185</b>	Rheem Manufacturing Company
<b>2019386063</b>	Allogene Therapeutics, Inc.	<b>2019398214</b>	Q32 Bio Inc.
<b>2019386131</b>	OncoSec Medical Incorporated	<b>2019398306</b>	Technische Universität Bergakademie Freiberg; HAVER ENGINEERING GmbH
<b>2019386235</b>	Mmc Intellectual Property Institute, S.L.		
<b>2019386368</b>	Pedanius Therapeutics Limited		

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

2019398520	Z Factor Limited	2019410048	Oberthur Fiduciaire SAS; Commissariat a l'Energie Atomique et aux Energies Alternatives
2019398599	Nouryon Chemicals International B.V.	2019410086	COSUCRA Groupe Warcoing S.A.
2019398755	Influnate GmbH	2019410233	Airbus Defence and Space SAS
2019398768	dcic Biopharmaceutical Limited	2019410407	What The Future Venture Capital (WTFVC) B.V.
2019398780	Pintat, B.; 11i Consulting GmbH; Murfitts Industries Ltd	2019410757	Société des Produits Nestlé S.A.
2019399077	Dainihon Jochugiku Co., Ltd.	2019410914	Soler & Palau Research, S.L.
2019399636	Guangzhou Xaircraft Technology Co., Ltd.	2019410931	Frant, M.
2019399804	Nuovo Pignone Tecnologie - S.r.l.	2019411139	MDC
2019400110	Shanghai University of Medicine&Health Sciences	2019412718	Neste Oyj
2019400494	ten-ace GmbH	2019412754	Imcheck Therapeutics SAS; Institut Jean Paoli & Irene Calmettes; Centre national de la recherche scientifique-CNRS-; INSERM (Institut National de la Santé et de la Recherche Médicale); Université d'Aix-Marseille
2019400759	Buzon Pedestal International s.a.	2019412836	EPM (IP), INC.
2019400865	Ocado Innovation Limited	2019413221	Huawei Technologies Co., Ltd.
2019400903	CTFI	2019413436	Excel Med, LLC; National Cheng Kung University
2019400930	King's College London	2019414290	Vaidya, V.
2019400988	Subsea 7 do Brasil Servicos Ltda	2019414297	Chevron Phillips Chemical Company LP
2019401088	Gree Electric Appliances, Inc. of Zhuhai	2019414300	Hill's Pet Nutrition, Inc.; Georgia Tech Research Corporation
2019401108	Yamaguchi, K.	2019414398	Suntory Holdings Limited
2019401466	Revolution Medicines, Inc.	2019414977	StrainChem
2019401560	IDAC Holdings, Inc.	2019414994	Subsea 7 Limited
2019401588	Valeda Company LLC	2019415587	Qingdao KingAgroot Chemical Compound Co., Ltd.
2019401677	Longeviti Neuro Solutions LLC	2019416033	Colgate-Palmolive Company
2019402884	Dexcom, Inc.	2019416034	Colgate-Palmolive Company
2019402945	Citrix Systems, Inc.	2019416047	Colgate-Palmolive Company
2019402973	Clearit, LLC	2019416091	Université libre de Bruxelles
2019403263	Beth Israel Deaconess Medical Center, Inc.	2019416195	Waymo LLC
2019403279	Genentech, Inc.	2019416232	Huawei Technologies Co., Ltd.; Peking University
2019403323	Codexis, Inc.	2019416330	GlycoMimetics, Inc.
2019403341	PayPal, Inc.	2019416344	Kindred Biosciences, Inc.
2019403400	ARRIS Enterprises	2019416369	ConMed Corporation
2019403406	Life Technologies Corporation	2019416779	Lyapukhov, N.E.
2019403470	Owen Oil Tools LP	2019417437	Colgate-Palmolive Company
2019403985	BAE Systems PLC	2019417673	Suntory Holdings Limited
2019403996	Nature Metrics Ltd	2019418506	Game Your Game, Inc.
2019404124	Johnson & Johnson Consumer Inc.	2019418800	Icahn School of Medicine at Mount Sinai
2019404227	Nuclein, LLC	2019420113	Citrix Systems, Inc.
2019404250	Pfizer Inc.	2019420166	China Energy Investment Corporation Limited; National Institute of Clean-and-Low-Carbon Energy
2019404282	City of Hope	2019420618	Johnson & Johnson Consumer Inc.
2019404288	Targus International LLC	2019421529	Välinge Innovation AB
2019404344	Tremco Incorporated	2019423298	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019404420	Avail Medsystems, Inc	2019431082	HaplnScience Inc.
2019404523	Nippon Telegraph and Telephone Corporation	2019437799	Halliburton Energy Services, Inc.
2019404697	Sumitomo Metal Mining Co., Ltd.; National University Corporation Yamagata University	2019469641	Provincial Health Services Authority
2019404727	LG Electronics Inc.	2020204911	The Trustees of Columbia University in the City of New York
2019404781	Equinor Energy AS	2020204922	Endo Global Aesthetics Limited
2019404982	Daifuku Co., Ltd.	2020205375	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019405587	Santen Pharmaceutical Co., Ltd.	2020205462	River Stone Biotech ApS
2019405758	Ultragenyx Pharmaceutical Inc.	2020205777	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019405783	Alnylam Pharmaceuticals, Inc.	2020205965	Shattuck Labs. Inc.
2019405930	Greeneden U.S. Holdings II, LLC	2020206325	Li-Cor, Inc.
2019406461	Indiana University Research and Technology Corporation	2020206345	Novus International Inc.
2019406581	S.P.C.M. SA	2020206751	Pivot Bio, Inc.
2019406648	The Trustees of the University of Pennsylvania	2020207056	Novus International Inc.
2019406725	Gelita AG	2020207653	Radius Health, Inc.
2019406816	Cytec Industries Inc.	2020208360	Regeneron Pharmaceuticals, Inc.
2019407129	PPG Industries Ohio, Inc.	2020209163	ARRIS Enterprises LLC
2019407173	Israeli, M.	2020209408	one2many B.V.
2019407185	KA Group AG	2020210024	Biohaven Pharmaceutical Holding Company Ltd.
2019407391	Santen Pharmaceutical Co., Ltd.	2020210550	Frito-Lay Trading Company GmbH
2019407591	RE-LID Engineering AG	2020211793	University of Pretoria
2019408055	Oslo Universitetssykehus HF	2020214662	Casale SA
2019408336	Wuhan Humanwell Innovative Drug Research and Development Center Limited Company	2020215437	Heimdall Power AS
2019408406	Merck Patent GmbH; Ryvu Therapeutics S.A.	2020217644	Citrix Systems, Inc.
2019408552	SkillCell; Centre national de la recherche scientifique (CNRS)		
2019408905	Roquette Freres		
2019409020	HS Products Limited		
2019409054	Sika Technology AG		
2019409301	JOYN botanicals Ltd.		
2019409819	Buzon Pedestal International s.a.		

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

2020218552	Perimeter Solutions LP
2020218581	Steeper Energy ApS
2020219374	Prothema Biosciences Limited
2020220231	Koodaideri Innovation & Technology Pty Ltd
2020221188	Vachula, L.
2020221446	Amgen Inc.
2020221681	The University of Sunderland
2020221879	Amgen Inc.
2020226291	Marathon Robotics Pty Ltd
2020228339	Radius Health, Inc.; Kindeva Drug Delivery L.P.
2020228821	FUJIFILM Business Innovation Corp.
2020229436	Pieris Pharmaceuticals GmbH
2020229891	Shenzhen Foguang Lighting Co., Ltd.
2020230668	Sunshine Lake Pharma Co., Ltd.
2020231623	Attabotics Inc.
2020234099	Attabotics Inc.
2020234553	Pioneer Hi-Bred International, Inc.
2020242010	Canon Kabushiki Kaisha
2020250898	Sika Technology AG
2020252251	Sika Technology AG
2020252397	MEMStim, LLC
2020252398	MEMStim, LLC
2020256917	Rbot9 Inc.
2020258017	Université de Liège
2020264279	Coupang Corp.
2020264286	Coupang Corp.
2020267195	China University of Mining and Technology; Xuzhou Goldfluid Hydraulic Technology Development Co., Ltd
2020271091	SharkNinja Operating LLC
2020271620	Dentsply Sirona Inc.; Sirona Dental Systems GmbH
2020275488	Attabotics Inc.
2020281044	Coupang Corp.
2020291822	Attabotics Inc.
2020338944	BOE Technology Group Co., Ltd.; Chengdu BOE Optoelectronics Technology Co., Ltd.
2020341336	Illumina, Inc.
2020353103	Traktionssysteme Austria GmbH
2020382899	Wonderland Switzerland AG
2020385370	Intuit Inc.
2020385397	Livestock Labs, Inc.

IPC Index

<b><u>A01B 69 /-</u></b>	<b><u>A01N 1 /-</u></b>	<b><u>A23K 30 /-</u></b>	<b><u>A46B 11 /-</u></b>	<b><u>A61B 18 /-</u></b>	<b><u>A61K 31 /-</u></b>
2018401970	2019376688	2019408905	2019349751	2019402973	2018451520
2019380955	<b><u>A01N 25 /-</u></b>	<b><u>A23K 40 /-</u></b>	<b><u>A46B 15 /-</u></b>	<b><u>A61B 34 /-</u></b>	2019283096
<b><u>A01B 79 /-</u></b>	2019378099	2020206345	2019349751	2019396269	2019378099
2018401970	2019399077	<b><u>A23K 50 /-</u></b>	<b><u>A47B 46 /-</u></b>	2019396527	2019379213
2019380955	<b><u>A01N 37 /-</u></b>	2019410086	2019385732	<b><u>A61B 5 /-</u></b>	2019379882
<b><u>A01C 15 /-</u></b>	2019399077	<b><u>A23L 11 /-</u></b>	<b><u>A47B 5 /-</u></b>	2018454201	2019381113
2019381724	<b><u>A01N 43 /-</u></b>	2019408905	2019385732	2019393380	2019385333
<b><u>A01C 21 /-</u></b>	2019415587	<b><u>A23L 19 /-</u></b>	<b><u>A47B 88 /-</u></b>	2019401677	2019385383
2018401970	<b><u>A01N 53 /-</u></b>	2020210550	2019383051	2019402884	2019386235
<b><u>A01C 23 /-</u></b>	2019399077	<b><u>A23L 2 /-</u></b>	<b><u>A47C 27 /-</u></b>	2020385397	2019386368
2019381724	<b><u>A01P 1 /-</u></b>	2019414398	2019409020	<b><u>A61B 50 /-</u></b>	2019386778
<b><u>A01G 20 /-</u></b>	2019378099	2019417673	<b><u>A47D 7 /-</u></b>	2019388263	2019387473
2019396828	<b><u>A01P 13 /-</u></b>	<b><u>A23L 27 /-</u></b>	2020382899	<b><u>A61C 17 /-</u></b>	2019389762
<b><u>A01H 3 /-</u></b>	2019415587	2019414398	<b><u>A47D 9 /-</u></b>	2019380446	2019390090
2020206751	<b><u>A01P 7 /-</u></b>	<b><u>A23L 29 /-</u></b>	2020382899	<b><u>A61C 19 /-</u></b>	2019390090
<b><u>A01H 4 /-</u></b>	2019399077	2019378099	<b><u>A47F 5 /-</u></b>	2019391329	2019391329
2020234553	<b><u>A21D 13 /-</u></b>	2019379882	2019385732	2019394520	2019395419
<b><u>A01K 11 /-</u></b>	2019409301	2019410086	<b><u>A47G 19 /-</u></b>	2019398520	2019398768
2020385397	<b><u>A23C 3 /-</u></b>	2019410757	2019400494	<b><u>A61C 7 /-</u></b>	2019401108
<b><u>A01K 15 /-</u></b>	2019410757	<b><u>A23L 33 /-</u></b>	<b><u>A47G 21 /-</u></b>	2019380446	2019401466
2019393076	<b><u>A23C 9 /-</u></b>	2019378099	2019400494	<b><u>A61C 19 /-</u></b>	2019404250
<b><u>A01K 29 /-</u></b>	2019410757	2019379882	<b><u>A47G 9 /-</u></b>	2019380446	2019405587
2019414300	<b><u>A23D 7 /-</u></b>	2019406778	2019381647	<b><u>A61F 13 /-</u></b>	2019406461
2020385397	2019390718	2019409301	<b><u>A47J 31 /-</u></b>	2019380446	2019407391
<b><u>A01K 47 /-</u></b>	<b><u>A23F 3 /-</u></b>	2019410086	2019395646	<b><u>A61C 7 /-</u></b>	2019408336
2019392473	2019393558	2019410757	<b><u>A47J 37 /-</u></b>	2019380446	2019408406
<b><u>A01K 5 /-</u></b>	<b><u>A23G 1 /-</u></b>	2019431082	2020210550	<b><u>A61F 2 /-</u></b>	2019409301
2020221188	2019390718	<b><u>A23L 5 /-</u></b>	<b><u>A47J 42 /-</u></b>	2019418800	2019410086
<b><u>A01K 67 /-</u></b>	<b><u>A23G 3 /-</u></b>	2020210550	2019395661	2019420618	2019412836
2019392473	2019409301	<b><u>A23P 10 /-</u></b>	<b><u>A47J 43 /-</u></b>	2019431082	2020210024
<b><u>A01K 87 /-</u></b>	<b><u>A23K 10 /-</u></b>	2019379882	2020271091	2020258017	<b><u>A61K 33 /-</u></b>
2019400903	2019408905	<b><u>A41D 1 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61G 1 /-</u></b>	<b><u>A61K 35 /-</u></b>
<b><u>A01M 1 /-</u></b>	2019410086	<b><u>A41D 13 /-</u></b>	2019385328	2019385732	2019381258
2019392473	<b><u>A23K 20 /-</u></b>	2019393380	2019401677	2019401588	2019386000
<b><u>A01M 7 /-</u></b>	2018449359	<b><u>A42B 3 /-</u></b>	2019385328	<b><u>A61H 31 /-</u></b>	2019386063
2019381724	2019410086	2019379578	201940494	<b><u>A61J 1 /-</u></b>	2020207056
2019399077	2020206345	2019393380	2019389146	<b><u>A61G 3 /-</u></b>	2020218552
			2019396527	<b><u>A61J 7 /-</u></b>	<b><u>A61K 36 /-</u></b>
			2019402973	2019406648	2018451520
			2019410931	<b><u>A61J 101 /-</u></b>	2019379882
			2019416369	2020221879	2019387473
				<b><u>A61J 7 /-</u></b>	2019409301
				2019407173	2019410086
				<b><u>A61K 101 /-</u></b>	2019412836
				2019400110	2020211793
					<b><u>A61K 38 /-</u></b>
					2019386131
					2019392670
					2019398214
					2019401108

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

2019401466	<b><u>A61K 9/-</u></b>	<b><u>A61P 13/-</u></b>	2019391329	<b><u>A63B 24/-</u></b>	<b><u>B02C 19/-</u></b>
2019403323			2019391657		
2019405758	2019379882	2019408336	2019392156	2019397046	2019398306
2019406725	2019386235		2019393243		
2019416091	2019389762	<b><u>A61P 15/-</u></b>	2019394520	<b><u>A63B 57/-</u></b>	<b><u>B02C 23/-</u></b>
2019431082	2019397144		2019395419		
2020204911	2019401108	2019386000	2019395852	2019418506	2019414290
2020205965	2019405587	2019401108	2019398768		
2020218552	2019407391	<b><u>A61P 17/-</u></b>	2019400110	<b><u>A63B 60/-</u></b>	<b><u>B05B 11/-</u></b>
2020228339	2019410757		2019403263	2019418506	2019383439
2020229436	2019416091	2019406725	2019404250		
2020230668	2020210024	2019408336	2019408055	<b><u>A63B 69/-</u></b>	<b><u>B05B 15/-</u></b>
	2020228339	2020218552	2019408406	2019418506	2019381724
<b><u>A61K 39/-</u></b>		<b><u>A61P 19/-</u></b>	2019416091		
	<b><u>A61L 2/-</u></b>		2020211793	<b><u>A63B 71/-</u></b>	<b><u>B05B 3/-</u></b>
2019380307		2019386235	2020229436		
2019385331	2019385718	2019386778	<b><u>A61P 37/-</u></b>	2019379578	2019381724
2019386063		2019406725		2019397046	
2019389174	<b><u>A61L 27/-</u></b>	2019408336	2019386778		<b><u>B08B 17/-</u></b>
2019398214		2020228339	2019391329	<b><u>A63D 1/-</u></b>	2019349751
2019400930	2019413436		2019395852		
2019403263		<b><u>A61P 21/-</u></b>	2019400930	2019392469	<b><u>B22C 3/-</u></b>
2019404282	<b><u>A61M 1/-</u></b>		2019401108		
2019408055		2019406725	2019408336	<b><u>A63D 3/-</u></b>	2019388208
2019416344	2019378623			2019392469	<b><u>B22D 13/-</u></b>
2020219374	<b><u>A61M 16/-</u></b>	<b><u>A61P 25/-</u></b>	<b><u>A61P 39/-</u></b>	<b><u>A63D 7/-</u></b>	2019388208
<b><u>A61K 45/-</u></b>	2019406648	2019386000	2019379882	2019392469	<b><u>B23K 1/-</u></b>
		2019405783			
2019386000	<b><u>A61M 21/-</u></b>	2019406461	<b><u>A61P 43/-</u></b>		<b><u>B23K 1/-</u></b>
2019386778		2019406725		<b><u>B01D 17/-</u></b>	2019396232
2019412836	2019381647	2020210024	2019390090		
	<b><u>A61M 25/-</u></b>	2020219374	2019401108	<b><u>B01D 17/-</u></b>	2019396232
2019378099		<b><u>A61P 27/-</u></b>	<b><u>A61P 5/-</u></b>	2019395820	<b><u>B23K 3/-</u></b>
2019379882	2019388862			2019396634	2019396232
2019386235		<b><u>A61P 29/-</u></b>	2019416091	2019398599	
2019386368	<b><u>A61M 39/-</u></b>		2020204911		<b><u>B25H 3/-</u></b>
2019389174		2019405587		<b><u>B01D 21/-</u></b>	2020291822
2019389762	2020221879	2019407391	<b><u>A61P 9/-</u></b>	2019406581	<b><u>B25J 11/-</u></b>
2019395852		<b><u>A61P 29/-</u></b>			
2019405587	<b><u>A61M 5/-</u></b>	2019379882	2019386000	<b><u>B01D 29/-</u></b>	<b><u>B25J 11/-</u></b>
2019409301		2019394520	2019392670	2019403996	2020256917
2020228339	2019388862	2019395852	2019406725		
	2020221446	2019406461	<b><u>A61Q 1/-</u></b>	<b><u>B01D 3/-</u></b>	<b><u>B25J 5/-</u></b>
	2020221879	2019416033		2019412718	2020256917
<b><u>A61K 48/-</u></b>	<b><u>A61N 1/-</u></b>	<b><u>A61P 3/-</u></b>	2019402973	<b><u>B01D 46/-</u></b>	2020275488
			2019412836		2020291822
2019381258	2018454201	2019378099	<b><u>A61Q 11/-</u></b>	2019377958	<b><u>B25J 9/-</u></b>
2019386131	2019394796	2019379882			
2019405758	2019398172	2020204911	2018455775	<b><u>B01D 53/-</u></b>	2020256917
	2019401677	2020230668	2019381843		2020275488
<b><u>A61K 49/-</u></b>	2020252397	<b><u>A61P 31/-</u></b>	2019404124	2019420166	
	2020252398		2019416033	2020214662	<b><u>B29C 49/-</u></b>
2019403263		2019385333	2019416034	<b><u>B01D 61/-</u></b>	2019383439
	<b><u>A61P 1/-</u></b>	2019385383	2019417437		
<b><u>A61K 51/-</u></b>		2019386368	<b><u>A61Q 17/-</u></b>	2019395802	<b><u>B29C 51/-</u></b>
	2019398520	2020258017			
2019400110	2019404124	<b><u>A61P 35/-</u></b>	2019378099	<b><u>B01D 63/-</u></b>	2019410407
2019469641	2019406725			2019395802	<b><u>B29C 64/-</u></b>
	2019408336	2019283096	<b><u>A61Q 19/-</u></b>		
<b><u>A61K 8/-</u></b>	2019408336	2019378099		<b><u>B01J 19/-</u></b>	2020271620
	2019416033	2019379213	2019412836	2019414297	
2018455774	2019416033	2019379882	2020204922		<b><u>B32B 17/-</u></b>
2018455775	2019416034	2019380307	<b><u>A63B 22/-</u></b>	<b><u>B01J 20/-</u></b>	2019393853
2019378099	2019416047	2019385331			
2019379882		2019386063	2019397046		
2019404124	<b><u>A61P 11/-</u></b>	2019386131			
2019406725		2019390090			
2019416033	2019398520				
2019416034	2019408336				
2019417437	2019416091				
2020204922					



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

<b><u>B32B 19 /-</u></b>	<b><u>B61B 13 /-</u></b>	<b><u>B65H 5 /-</u></b>	<b><u>C07D 209 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07H 21 /-</u></b>
2019393853	2019404982	2020228821	2019408406 2019418800	2019381113 2019390090 2019408406	2019403406
<b><u>B32B 27 /-</u></b>	<b><u>B62D 25 /-</u></b>	<b><u>B66C 23 /-</u></b>	<b><u>C07D 213 /-</u></b>	2019415587 2019416330	<b><u>C07K 1 /-</u></b>
2019393853	2019396597	2019396959	2019283096 2019390090 2019404250 2019408406 2019415587	2019415587 2019416330	2019414977
<b><u>B32B 3 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B66F 17 /-</u></b>	<b><u>C07D 215 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07K 14 /-</u></b>
2019381647 2019393853 2019406816	2019397251	2019397171	2019395419 2019408406	2019381113 2019408406 2019415587	2019386063 2019386131 2019391300 2019392687 2019398214 2019406725 2019408055 2020205965 2020207056 2020210024 2020219374 2020229436 2020230668 2020234553
<b><u>B32B 5 /-</u></b>	2019407185	2019397171	<b><u>C01B 3 /-</u></b>	<b><u>C07D 413 /-</u></b>	
2019387317 2019393853	<b><u>B63H 21 /-</u></b>	2019397171	2020218581	2019390090 2019409054 2019415587	
<b><u>B32B 7 /-</u></b>	<b><u>B63H 25 /-</u></b>	<b><u>C01G 41 /-</u></b>	<b><u>C07D 217 /-</u></b>	<b><u>C07D 417 /-</u></b>	
2019381647	2019407185	2019404697	2019408406	2019381113 2019408406 2019415587 2019416330	<b><u>C07K 16 /-</u></b>
<b><u>B33Y 10 /-</u></b>	<b><u>B64B 1 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 233 /-</u></b>	2019379213 2019390090	2019380307 2019385331 2019386063 2019391657 2019392156 2019392687 2019398214 2019408055 2019412754 2020207653 2020210024 2020219374 2020229436
2020271620	2019387317	<b><u>C02F 103 /-</u></b>	2019390090	<b><u>C07D 471 /-</u></b>	
<b><u>B33Y 40 /-</u></b>	<b><u>B64C 39 /-</u></b>	2019381855 2019393345 2019406581	<b><u>C07D 235 /-</u></b>	<b><u>C07D 473 /-</u></b>	
2020271620	2020215437	2019406581	2019418800	2020258017	
<b><u>B33Y 50 /-</u></b>	<b><u>B64D 1 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07D 239 /-</u></b>	<b><u>C07D 487 /-</u></b>	
2020271620	2020215437	2019396490	2019398520	2019394520 2019400110 2020258017	<b><u>C07K 19 /-</u></b>
<b><u>B41M 3 /-</u></b>	<b><u>B65D 1 /-</u></b>	<b><u>C04B 38 /-</u></b>	<b><u>C07D 241 /-</u></b>	<b><u>C07D 495 /-</u></b>	
2019410048	2019383439	2019396490	2019408406	2019391329	2019392687 2019416344 2020205965 2020230668
<b><u>B42D 25 /-</u></b>	<b><u>B65D 17 /-</u></b>	<b><u>C07C 311 /-</u></b>	<b><u>C07D 249 /-</u></b>	<b><u>C07D 513 /-</u></b>	
2019410048	2019407591	2019408406	2019283096	2019408406	<b><u>C07K 5 /-</u></b>
<b><u>B60P 1 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>C07C 317 /-</u></b>	<b><u>C07D 271 /-</u></b>	<b><u>C07D 519 /-</u></b>	
2019382656 2019396597 2019404982 2020275488	2019400494 2019407591	2019408406	2019408406	2019379882	2019392670 2019401466 2019414977
<b><u>B60P 7 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>C07C 327 /-</u></b>	<b><u>C07D 305 /-</u></b>	<b><u>C07F 7 /-</u></b>	
2019401588	2019407173	2020221681	2019379882	2019400110	<b><u>C07K 7 /-</u></b>
<b><u>B60Q 1 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>C07C 39 /-</u></b>	<b><u>C07D 307 /-</u></b>	<b><u>C07H 1 /-</u></b>	
2019416195	2019380566 2019404982 2020275488 2020291822	2019409301	2019408406	2019385383	<b><u>C08B 11 /-</u></b>
<b><u>B60R 13 /-</u></b>	<b><u>B65G 11 /-</u></b>	<b><u>C07C 43 /-</u></b>	<b><u>C07D 333 /-</u></b>	<b><u>C07H 15 /-</u></b>	
2019396597	2019407173	2019379882	2019408406	2019385383	2019390849
<b><u>B60W 30 /-</u></b>	2020210550	<b><u>C07C 5 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07H 17 /-</u></b>	<b><u>C08B 15 /-</u></b>
2019396077	<b><u>B65G 47 /-</u></b>	2020221681	2019381113 2019390090 2019408336 2019408406 2019415587 2020210024	2019385333 2019385383	2019390849
<b><u>B60W 40 /-</u></b>	2019404982	<b><u>C07C 69 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07H 19 /-</u></b>	<b><u>C08B 37 /-</u></b>
2019416195	<b><u>B65G 53 /-</u></b>	2019412836	2019408336	2019416330	2019410086
<b><u>B60W 60 /-</u></b>	2020210550	<b><u>C07D 207 /-</u></b>	2019390090		<b><u>C08F 12 /-</u></b>
2019380955	<b><u>B65G 54 /-</u></b>	2019390090	2019408336		2019404697

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

<b><u>C08F 2 /-</u></b>	<b><u>C09K 21 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>E01B 9 /-</u></b>	<b><u>F03G 3 /-</u></b>	<b><u>F21S 4 /-</u></b>
2019404697	2019406816	2019381629	2019396125	2019379835	2019396232
	<b><u>C09K 3 /-</u></b>	2019386063	<b><u>E01C 13 /-</u></b>	<b><u>F03G 4 /-</u></b>	<b><u>F21V 23 /-</u></b>
<b><u>C08G 18 /-</u></b>	2019404697	2019391657	2019398780	2018449531	2019396232
2019409054		2019392156			
2020250898	<b><u>C10G 1 /-</u></b>	2019393243	<b><u>E01H 1 /-</u></b>	<b><u>F03G 6 /-</u></b>	<b><u>F21V 33 /-</u></b>
2020252251	2020218581	2019400930	2019396828	2018449531	2019416195
		2019403263			
<b><u>C08G 63 /-</u></b>	<b><u>C10G 3 /-</u></b>	2019405758	<b><u>E01H 15 /-</u></b>	<b><u>F03G 7 /-</u></b>	<b><u>F21V 5 /-</u></b>
2019395820	2020218581	<b><u>C12N 7 /-</u></b>	2019396828	2018449531	2019416195
2019396634		2020205965			
2019398599	<b><u>C10G 33 /-</u></b>	<b><u>C12N 9 /-</u></b>	<b><u>E02D 17 /-</u></b>	<b><u>F04D 17 /-</u></b>	<b><u>F21Y 115 /-</u></b>
	2019395820	2019380590	2019404344	2019399804	2019416195
<b><u>C08G 65 /-</u></b>	2019396634	2019381258			
2019395820	2019398599	2019403323	<b><u>E02D 31 /-</u></b>	<b><u>F04D 25 /-</u></b>	<b><u>F24D 10 /-</u></b>
2019396634		2019405758	2019404344	2019410914	2018449531
	<b><u>C10G 49 /-</u></b>	2020205462			
<b><u>C08G 75 /-</u></b>	2020218581	<b><u>C12P 13 /-</u></b>	<b><u>E02D 5 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F24F 3 /-</u></b>
2019407129		2020205462	2019404344	2019399804	2019377958
	<b><u>C10G 51 /-</u></b>	2020207056		2019410914	
<b><u>C08K 3 /-</u></b>	2020218581	<b><u>C12P 17 /-</u></b>	<b><u>E04F 15 /-</u></b>	<b><u>F15B 15 /-</u></b>	<b><u>F24F 7 /-</u></b>
2019404697		2020205462	2019393853	2019397171	2019410914
2019406816	<b><u>C10G 69 /-</u></b>		2019400759		
2020250898	2020218581	<b><u>C12Q 1 /-</u></b>	2019409819	<b><u>F16B 5 /-</u></b>	<b><u>F24H 1 /-</u></b>
2020252251		2019380590	2019421529	2019421529	2019396210
	<b><u>C10G 9 /-</u></b>	2019392450	<b><u>E05B 65 /-</u></b>		2019398185
<b><u>C08K 5 /-</u></b>	2020218581	2019408552	2019383051	<b><u>F16H 1 /-</u></b>	<b><u>F24S 23 /-</u></b>
2019393853		<b><u>D01C 1 /-</u></b>		2019378251	2019378251
2020250898	<b><u>C11D 1 /-</u></b>	2019378099	<b><u>E05C 1 /-</u></b>	<b><u>F16H 48 /-</u></b>	<b><u>F25C 1 /-</u></b>
2020252251	2018455659	<b><u>D02G 3 /-</u></b>	2019383051	2019378251	2020205777
	<b><u>C11D 11 /-</u></b>	2019381647	<b><u>E21B 10 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>F25C 5 /-</u></b>
<b><u>C08L 101 /-</u></b>	2018455659	<b><u>D06F 37 /-</u></b>	2019437799	2019397251	2020205777
2019404697		2019379474	<b><u>E21B 17 /-</u></b>	2019437799	<b><u>F25D 11 /-</u></b>
	<b><u>C11D 3 /-</u></b>	<b><u>D06F 39 /-</u></b>	2019400988		2020205777
<b><u>C08L 29 /-</u></b>	2018455659	2019379474	2019414994	<b><u>F16L 1 /-</u></b>	2020205777
2019393853		<b><u>D06F 93 /-</u></b>	2019437799	2019414994	
	<b><u>C11D 3 /-</u></b>	2019379474	<b><u>E21B 23 /-</u></b>		<b><u>F28D 19 /-</u></b>
<b><u>C08L 5 /-</u></b>	2018455779	<b><u>D06M 11 /-</u></b>	2019437799	<b><u>F16L 27 /-</u></b>	2020205375
2019378099		2019393380	<b><u>E21B 33 /-</u></b>	2019411139	2020205777
2019379882	<b><u>C12M 1 /-</u></b>	2019387317	2019400988	<b><u>F16L 9 /-</u></b>	<b><u>F25D 11 /-</u></b>
	2019381629	<b><u>D06M 15 /-</u></b>	2019414994	2019414994	2020205777
<b><u>C08L 63 /-</u></b>		2019387317	2019437799		
2019406816	<b><u>C12N 1 /-</u></b>	<b><u>D21H 11 /-</u></b>	<b><u>E21B 23 /-</u></b>	<b><u>F16L 11 /-</u></b>	<b><u>F28D 21 /-</u></b>
	2020205462	2019393380	2019437799	2019411139	2018449531
<b><u>C09B 11 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>D06M 11 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F16L 9 /-</u></b>	<b><u>F41G 1 /-</u></b>
2019403406	2019381258	2019387317	2019400988	2019414994	2020226291
	2019381776	<b><u>D06M 15 /-</u></b>	2019437799		
<b><u>C09C 1 /-</u></b>	2019386131	2019387317	<b><u>E21B 43 /-</u></b>	<b><u>F16M 11 /-</u></b>	<b><u>F41G 3 /-</u></b>
2019404697	2019386368	<b><u>D21H 19 /-</u></b>	2019403470	2019401588	2020226291
	2019392687	2019387317	2019404781		
<b><u>C09C 3 /-</u></b>	2019403279	<b><u>D21H 11 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F17D 1 /-</u></b>	<b><u>F42B 10 /-</u></b>
2019404697	2019403323	2019390849	2020267195	2019404781	2019403985
	2019403406	<b><u>D21H 19 /-</u></b>	<b><u>F01K 13 /-</u></b>	<b><u>F17D 5 /-</u></b>	<b><u>F42B 12 /-</u></b>
<b><u>C09J 175 /-</u></b>	2019405758	2019390849	2018449531	2019383049	2019403985
2020250898	2019405783				
2020252251	2019416344				
	2020205965				
	2020206751				
	2020230668				
	2020234553				

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<b>F42B 21 /-</b>	<b>G01N 33 /-</b>	2019405930	<b>G06Q 20 /-</b>	<b>H01R 43 /-</b>	<b>H04N 21 /-</b>
2019403985	2019381843	<b>G06F 111 /-</b>	2019380381	2019396232	2019403400
	2019391657		2019398755		
	2019392156	2019396700	2019403341	<b>H01S 5 /-</b>	<b>H04N 5 /-</b>
<b>F42B 30 /-</b>	2019396760				
2019403985	2019403406	<b>G06F 119 /-</b>	<b>G06Q 30 /-</b>	2020206325	2019413221
	2020207653		2019387216		2019416195
	2020219374	2019396700		<b>H02G 7 /-</b>	
<b>F42C 13 /-</b>					<b>H04W 12 /-</b>
2019403985	<b>G01N 35 /-</b>	<b>G06F 15 /-</b>	<b>G06Q 40 /-</b>	2020215437	
					2019402945
	2019404227	2019404420	2019387216	<b>H02K 5 /-</b>	2020209163
<b>F42C 15 /-</b>			2019403341		
2019403985	<b>G01R 31 /-</b>	<b>G06F 16 /-</b>		2020353103	<b>H04W 4 /-</b>
			<b>G06Q 50 /-</b>		
	2019398172	2019387216		<b>H02K 7 /-</b>	2020209408
<b>F42C 17 /-</b>		2020217644	2019387216		
2019403985	<b>G01S 15 /-</b>	<b>G06F 17 /-</b>	2020231623	2019379835	<b>H04W 76 /-</b>
			2020281044		
	2019414290	2019416779	<b>G06T 7 /-</b>	<b>H02K 9 /-</b>	2019401560
<b>F42C 3 /-</b>					2019416232
2019403985	<b>G01S 17 /-</b>	<b>G06F 21 /-</b>	2019378019	2020353103	
			2019379337		<b>H04W 8 /-</b>
	2019380955	2019380750		<b>H03K 3 /-</b>	2019374291
<b>F42C 5 /-</b>		2019420113	<b>G08B 23 /-</b>		2019401560
2019403985	<b>G01S 19 /-</b>			2019385718	2019404420
		<b>G06F 3 /-</b>	2019380750	2019394796	2020209163
	2020385397			2019398172	
<b>F42C 7 /-</b>	<b>G02B 26 /-</b>	2019405930	<b>G08G 1 /-</b>	<b>H04B 1 /-</b>	<b>H04W 84 /-</b>
2019403985					
	2020206325	<b>G06F 30 /-</b>	2019396077	2019401560	2020209163
<b>F42C 9 /-</b>	<b>G02B 27 /-</b>	2019396700	<b>G09F 13 /-</b>	<b>H04B 10 /-</b>	<b>H05B 3 /-</b>
2019403985					
	2020206325	<b>G06F 8 /-</b>	2020229891	2019383962	2019395646
<b>G01C 21 /-</b>	<b>G02B 3 /-</b>	2019405930	<b>G16B 20 /-</b>	<b>H04B 5 /-</b>	
2019379337					
2019396077	2020206325	<b>G06F 9 /-</b>	2020341336	2019401560	
<b>G01G 19 /-</b>	<b>G03G 15 /-</b>	2019402945	<b>G16B 25 /-</b>	<b>H04L 12 /-</b>	
2019397171					
	2020228821	<b>G06G 7 /-</b>	2019380590	2018449796	
<b>G01M 17 /-</b>	<b>G03G 21 /-</b>			2019380877	
2019400865		2020385397	<b>G16H 10 /-</b>	2019404523	
	2020228821	<b>G06K 9 /-</b>		2019410233	
	2020242010		2019392537	<b>H04L 29 /-</b>	
<b>G01M 3 /-</b>		2019369206	2020385397		
2019383049	<b>G05B 11 /-</b>	2019380342	<b>G16H 20 /-</b>	2019402945	
		2019391808		2019404420	
	2020220231	<b>G06N 20 /-</b>	2020385397	2019420113	
<b>G01M 99 /-</b>	<b>G05B 15 /-</b>		<b>G16H 50 /-</b>	2020209163	
2019400865		2019404523			
	2020220231		2019380342	<b>H04L 5 /-</b>	
<b>G01N 1 /-</b>		<b>G06N 3 /-</b>			2019423298
2019403996	<b>G05B 19 /-</b>		<b>H01F 7 /-</b>	<b>H04L 9 /-</b>	
		2019391808			
	2020220231	<b>G06Q 10 /-</b>	2019410048	2019381522	
<b>G01N 21 /-</b>	<b>G05D 1 /-</b>			2019420113	
2019404227		2019380381	<b>H01L 21 /-</b>	2020385370	
	2018401970	2019383937			
<b>G01N 29 /-</b>	2019380955	2019387216	2020252397	<b>H04M 1 /-</b>	
2019414290	2019396077	2019399636	<b>H01L 27 /-</b>		
		2019416779		2019413221	
<b>G01N 30 /-</b>	<b>G05F 1 /-</b>	2020231623	2020338944		
2020208360		2020234099	<b>H01L 51 /-</b>	<b>H04N 19 /-</b>	
	2019401088	2020264279			2019394248
		2020264286	2020338944	2019404727	
	<b>G06F 1 /-</b>				
		2019404288			

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 (21) 2019236705 (22) 26.09.2019  
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**A61F 2/04** ( 2013.01 )  
**A61F 2/28** ( 2006.01 )  
**A61K 47/30** ( 2006.01 )  
**C08L 67/04** ( 2006.01 )  
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**A62B 35/00** ( 2006.01 )  
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**A61P 19/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/71** ( 2006.01 )  
**C07K 14/735** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
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**C12Q 1/68** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
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**C02F 1/26** ( 2006.01 )  
**B01D 11/00** ( 2006.01 )  
**C02F 1/68** ( 2006.01 )  
**G21C 19/46** ( 2006.01 )  
**C02F 1/10** ( 2006.01 )  
**C02F 1/38** ( 2006.01 )  
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**G06F 3/01** ( 2006.01 )  
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E21B 33/035 (2006.01)  
F04C 14/00 (2006.01)  
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A61P 11/00 (2006.01)  
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C07F 9/38 (2006.01)  
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**G08B 1/00** ( 2006.01 )  
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 (54) Communication method and device  
 (51) Int. Cl.  
 H04W 24/10 ( 2009.01 )  
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 (54) Domain name access method and device  
 (51) Int. Cl.  
 H04L 29/12 ( 2006.01 )  
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 (43) 02.05.2019  
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 (54) DATA PROCESSING METHOD AND APPARATUS, AND COMPUTER STORAGE MEDIUM  
 (51) Int. Cl.  
 H04W 36/02 ( 2009.01 )  
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 (74) Phillips Ormonde Fitzpatrick

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 (54) Session establishing method and device  
 (51) Int. Cl.  
 H04W 36/00 ( 2009.01 )  
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 (54) Downlink control information determination method and communication device  
 (51) Int. Cl.  
 H04W 72/04 ( 2009.01 )  
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 (21) 2019207867 (22) 11.01.2019  
 (54) Tubular heat exchanger having corrosion protection  
 (51) Int. Cl.  
 F28F 9/00 ( 2006.01 )  
 C01B 17/69 ( 2006.01 )

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**F28F 19/00** ( 2006.01 )  
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**(43)** 18.07.2019  
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 SCHULZE, Axel  
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**(21)** 2015259024 **(22)** 14.05.2015  
**(54)** Nucleic acid synthesis techniques  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
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**(43)** 19.11.2015  
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 Cheng-Yao; Previte, Michael; Bowen,  
 Shane  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Indiana University Research and Tech-  
 nology Corporation  
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**(21)** 2016342015 **(22)** 21.10.2016  
**(54)** Derivation of human skin organoids  
 from pluripotent stem cells  
**(51)** Int. Cl.  
**A61L 27/38** ( 2006.01 )  
**A61K 35/36** ( 2006.01 )  
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**(21)** 2019246849 **(22)** 10.10.2019  
**(54)** Tapered lobular driver and fastener  
**(51)** Int. Cl.  
**B25B 23/00** ( 2006.01 )  
**(43)** 31.10.2019  
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**(62)** 2017204863  
**(72)** Lukes, Richard W.  
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 Ltd.  
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**(21)** 2016308839 **(22)** 18.08.2016  
**(54)** Tapered lobular driver and fastener  
**(51)** Int. Cl.  
**B25B 15/00** ( 2006.01 )  
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**F16B 23/00** ( 2006.01 )  
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 Riskin, Sean  
**(74)** MINTER ELLISON

**(71)** Inhibrx, Inc.  
**(11)** AU-B-2015339507  
**(21)** 2015339507 **(22)** 27.10.2015  
**(54)** Serpin fusion polypeptides and meth-  
 ods of use thereof  
**(51)** Int. Cl.  
**A61P 37/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
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**(31)** 14/524,832 **(32)** 27.10.14 **(33)** US  
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 C.; Deveraux, Quinn  
**(74)** FPA Patent Attorneys Pty Ltd

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**(21)** 2017245679 **(22)** 05.04.2017  
**(54)** Aminothiazole derivatives useful as an-  
 tiviral agents  
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**C07D 277/54** ( 2006.01 )  
**A61K 31/426** ( 2006.01 )  
**A61K 31/662** ( 2006.01 )  
**A61P 31/22** ( 2006.01 )  
**C07F 9/38** ( 2006.01 )  
**C07F 9/40** ( 2006.01 )  
**C07F 9/44** ( 2006.01 )  
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**(31)** 16000787.8 **(32)** 06.04.16 **(33)** EP  
**(43)** 12.10.2017  
**(44)** 01.07.2021  
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**(74)** AJ PARK

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 Trustees of the University of Pennsylvania**  
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**(71)** Institute of Geology and Geophysics,  
 Chinese Academy of Sciences  
**(11)** AU-B-2019392985  
**(21)** 2019392985 **(22)** 29.10.2019  
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 SHEAR TEST OF ROCK MASS DIS-  
 CONTINUITIES  
**(51)** Int. Cl.  
**G01N 1/36** ( 2006.01 )  
**G01N 3/24** ( 2006.01 )  
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**(31)** 201811466735.8 **(32)** 03.12.18 **(33)** CN  
**(43)** 11.06.2020  
**(44)** 01.07.2021  
**(72)** ZHENG, Bowen; QI, Shengwen;  
 HUANG, Xiaolin; GUO, Songfeng;  
 ZOU, Yu  
**(74)** FB Rice Pty Ltd

**(71)** Institute of Materia Medica, Chinese  
 Academy of Medical Sciences  
**(11)** AU-B-2019214694  
**(21)** 2019214694 **(22)** 30.01.2019  
**(54)** Benzamide compound and preparation  
 method, use, and pharmaceutical com-  
 position thereof  
**(51)** Int. Cl.  
**C07D 213/32** ( 2006.01 )  
**A61K 31/18** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
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**C07D 405/02** ( 2006.01 )  
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**(31)** 201810090951.0 **(32)** 30.01.18 **(33)** CN  
**(43)** 08.08.2019  
**(44)** 01.07.2021  
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 Songwen; JI, Ming; XUE, Nina; WU,  
 Deyu; JIN, Jing  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Instrumentation Laboratory Company  
**(11)** AU-B-2018207048  
**(21)** 2018207048 **(22)** 03.01.2018  
**(54)** Clot mitigating probe for blood analyz-  
 ing instrument  
**(51)** Int. Cl.  
**G01N 33/49** ( 2006.01 )  
**G01N 1/10** ( 2006.01 )  
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**(31)** 62/444,628 **(32)** 10.01.17 **(33)** US  
**(43)** 19.07.2018  
**(44)** 01.07.2021  
**(72)** Paz, Roman; Walker, Brian; Hastings,  
 Zachary; Aschettino, Michael  
**(74)** Griffith Hack

**(71)** InterDigital Patent Holdings, Inc.  
**(11)** AU-B-2019257505  
**(21)** 2019257505 **(22)** 31.10.2019  
**(54)** Method of access and link adaptation  
 for coverage enhanced wireless trans-  
 missions  
**(51)** Int. Cl.  
**H04W 52/48** ( 2009.01 )  
**H04W 52/14** ( 2009.01 )  
**H04W 52/36** ( 2009.01 )  
**H04W 52/50** ( 2009.01 )  
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 Tooher, J. Patrick; Tamaki, Nobuyuki;  
 Sadeghi, Pouriya; Rudolf, Marian  
**(74)** Spruson & Ferguson

**(71)** International AIDS Vaccine Initiative,  
 Inc.; Oregon Health and Science Uni-  
 versity  
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**(21)** 2017280065 **(22)** 21.06.2017  
**(54)** Recombinant cytomegalovirus vectors  
 as vaccines for tuberculosis  
**(51)** Int. Cl.  
**C07K 14/045** ( 2006.01 )  
**A61K 39/04** ( 2006.01 )  
**A61P 31/06** ( 2006.01 )

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 Bonavia, Aurelio M.; Laddy, Dominick  
 J.; Picker, Louis; Hansen, Scott; Xu,  
 Guangwu  
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**(54)** Antibodies to canine interleukin-4 re-  
 ceptor alpha  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**(87)** WO2016/156588  
**(31)** 62/310,250 **(32)** 18.03.16 **(33)** US  
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**(43)** 06.10.2016  
**(44)** 01.07.2021  
**(72)** Morsey, Mohamad; Zhang, Yuanzheng  
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**(21)** 2018391625 **(22)** 01.08.2018  
**(54)** Re-encrypting data on a hash chain  
**(51)** Int. Cl.  
**H04L 9/06** ( 2006.01 )  
**(87)** WO2019/125521  
**(31)** 15/852,345 **(32)** 22.12.17 **(33)** US  
**(43)** 27.06.2019  
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**(72)** PENTLAND, Ian R.; SCOTT, Glenn;  
 MEIKE, Roger; GABRIEL, Michael R.  
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**(11)** AU-B-2018410912  
**(21)** 2018410912 **(22)** 28.11.2018  
**(54)** Method and system for background re-  
 moval from documents  
**(51)** Int. Cl.  
**G06T 7/194** ( 2017.01 )  
**G06K 9/62** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**(87)** WO2019/168573  
**(31)** 15/907,282 **(32)** 27.02.18 **(33)** US  
**(43)** 06.09.2019  
**(44)** 01.07.2021  
**(72)** FOROUGH, Homa  
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**(11)** AU-B-2019366858  
**(21)** 2019366858 **(22)** 25.07.2019  
**(54)** Method and system for decoding user  
 intent from natural language queries

**(51)** Int. Cl.  
**G06F 16/33** ( 2019.01 )  
**G06F 16/2457** ( 2019.01 )  
**G06F 16/338** ( 2019.01 )  
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**G06N 20/00** ( 2019.01 )  
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**(31)** 16/170,585 **(32)** 25.10.18 **(33)** US  
**(43)** 30.04.2020  
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 CANNON, Matthew; CARVALHO, Vitor  
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**(11)** AU-B-2019425530  
**(21)** 2019425530 **(22)** 25.07.2019  
**(54)** Systems and methods for hash chain  
 migrations  
**(51)** Int. Cl.  
**G06F 21/64** ( 2013.01 )  
**G06F 16/00** ( 2019.01 )  
**H04L 29/06** ( 2006.01 )  
**(31)** 16/400,783 **(32)** 01.05.19 **(33)** US  
**(43)** 19.11.2020  
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**(72)** SCOTT, Glenn; GABRIEL, Michael  
 Richard  
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**(11)** AU-B-2018298657  
**(21)** 2018298657 **(22)** 09.07.2018  
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 configuration parameters in a passen-  
 ger transport installation  
**(51)** Int. Cl.  
**B66B 1/34** ( 2006.01 )  
**(87)** WO2019/011828  
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**(43)** 17.01.2019  
**(44)** 01.07.2021  
**(72)** MICHEL, David; PFISTER, Martin;  
 GEISSHÜSLER, Michael; ZINGG, Si-  
 mon; BIRRER, Eric  
**(74)** Griffith Hack

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**(11)** AU-B-2016335122  
**(21)** 2016335122 **(22)** 21.09.2016  
**(54)** Removable apparatus for a centrifuge  
 and method of using same  
**(51)** Int. Cl.  
**B04B 1/00** ( 2006.01 )  
**B01D 21/26** ( 2006.01 )  
**B04B 5/04** ( 2006.01 )  
**B04B 11/02** ( 2006.01 )  
**B04B 15/00** ( 2006.01 )  
**G01N 15/04** ( 2006.01 )  
**(87)** WO2017/062176  
**(31)** 14/879,163 **(32)** 09.10.15 **(33)** US  
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**(72)** Fitzpatrick, Ian; Rob, Mark; Cusick,  
 Adam; Craig, Tim  
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**(71)** Jackson Kayak, Inc  
**(11)** AU-B-2019203211  
**(21)** 2019203211 **(22)** 08.05.2019  
**(54)** WATERCRAFT HAVING RETRACT-  
 ABLE DRIVE MECHANISM  
**(51)** Int. Cl.  
**B63H 5/125** ( 2006.01 )  
**B63B 34/20** ( 2020.01 )  
**B63H 16/08** ( 2006.01 )  
**(43)** 30.05.2019  
**(44)** 01.07.2021  
**(62)** 2017202018  
**(72)** ZIMMERMAN, Andy; GILBERT, Ter-  
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 Kenneth Clark  
**(74)** WRAYS PTY LTD

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**(71)** James & Taylor Limited  
**(11)** AU-B-2018387391  
**(21)** 2018387391 **(22)** 12.12.2018  
**(54)** A facade unit mounting apparatus  
**(51)** Int. Cl.  
**E04F 13/08** ( 2006.01 )  
**(87)** WO2019/122820  
**(31)** 1721631.8 **(32)** 21.12.17 **(33)** GB  
**(43)** 27.06.2019  
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**(72)** PRIOR, Luke  
**(74)** FB Rice Pty Ltd

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**(11)** AU-B-2017286379  
**(21)** 2017286379 **(22)** 15.06.2017  
**(54)** Bicyclic pyridine, pyrazine, and  
 pyrimidine derivatives as PI3K beta in-  
 hibitors  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2017/216292  
**(31)** 16174715.9 **(32)** 16.06.16 **(33)** EP  
**(43)** 21.12.2017  
**(44)** 01.07.2021  
**(72)** Berthelot, Didier Jean-Claude; Mevel-  
 lec, Laurence Anne; Angibaudo, Patrick  
 René; Coupa, Sophie; Demestre,  
 Christophe Gabriel Marcel; Meer-  
 poel, Lieven; Mercey, Guillaume Jean  
 Maurice; Meyer, Christophe; Pasquier,  
 Elisabeth Thérèse Jeanne; Pilatte, Isa-  
 belle Noëlle Constance; Poncelet, Vir-  
 ginie Sophie; Querolle, Olivier Alexis  
 Georges  
**(74)** Shelston IP Pty Ltd.

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**(71)** Japan Porlex & Co., Ltd.  
**(11)** AU-B-2019271902  
**(21)** 2019271902 **(22)** 26.04.2019  
**(54)** Mortar body and mill device  
**(51)** Int. Cl.  
**A47J 42/00** ( 2006.01 )  
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**(72)** Kanazawa, Kazuhiko  
**(74)** Admiral Trademarks & Patents Ser-  
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 (21) 2019226384 (22) 01.03.2019  
 (54) Method and device for estimating the height of a reflector of a vehicle  
 (51) Int. Cl.  
     G01S 13/93 ( 2006.01 )  
     G01S 13/46 ( 2006.01 )  
     G01S 13/50 ( 2006.01 )  
 (87) WO2019/166614  
 (31) DE 10 2018 104 (32) 02.03.18 (33) DE 808.4  
 (43) 06.09.2019  
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 (74) Spruson & Ferguson

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(71) JGC Corporation  
 (11) AU-B-2019331801  
 (21) 2019331801 (22) 19.07.2019  
 (54) Method for producing nickel sulfate compound  
 (51) Int. Cl.  
     C01G 53/10 ( 2006.01 )  
     C22B 1/06 ( 2006.01 )  
     C22B 3/04 ( 2006.01 )  
     C22B 23/02 ( 2006.01 )  
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 (31) 2018-161837 (32) 30.08.18 (33) JP  
 (43) 05.03.2020  
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 (72) SAUDA, Kenzo  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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     A61F 13/472 ( 2006.01 )  
     A61F 13/474 ( 2006.01 )  
     A61F 13/475 ( 2006.01 )  
 (31) KR2019-0173602 (32) 24.12.19 (33) KR  
 (43) 01.07.2021  
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 (11) AU-B-2016284311  
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 (54) Multi-layer topically-applied article for providing a benefit to skin  
 (51) Int. Cl.  
     A61K 8/34 ( 2006.01 )  
     A61K 8/02 ( 2006.01 )  
     A61K 8/368 ( 2006.01 )  
     A61K 8/49 ( 2006.01 )  
     A61K 8/81 ( 2006.01 )  
     A61K 9/70 ( 2006.01 )  
     A61Q 19/02 ( 2006.01 )  
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(31) 62/182,888 (32) 22.06.15 (33) US  
 (43) 29.12.2016  
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 (74) Shelston IP Pty Ltd.

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 (21) 2017269945 (22) 23.05.2017  
 (54) Expandable centre arrangement  
 (51) Int. Cl.  
     B01J 19/24 ( 2006.01 )  
     B01J 19/32 ( 2006.01 )  
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 (31) 62/340,100 (32) 23.05.16 (33) US  
 (43) 30.11.2017  
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 (72) Whittenberger, Joseph W.; Podojil III, Frank James  
 (74) Spruson & Ferguson

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 (54) Conveyor bridge  
 (51) Int. Cl.  
     B65G 47/66 ( 2006.01 )  
     E21C 27/01 ( 2006.01 )  
 (31) 62/170,121 (32) 02.06.15 (33) US  
 (43) 22.12.2016  
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 (72) DE LORE, Andrew P.; WOOD, Travers T.  
 (74) Griffith Hack

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 (54) Mining machine and energy storage system for same  
 (51) Int. Cl.  
     E02F 9/20 ( 2006.01 )  
 (87) WO2016/191686  
 (31) 62/167,808 (32) 28.05.15 (33) US  
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 (43) 01.12.2016  
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 (72) Dorsett, William A.; Dillinger, James B.; Lyten, Michael John; Barr, Marcus N.; Neilson, Bradley Maxwell; Owings, Don F.  
 (74) Griffith Hack

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(71) Joy Global Surface Mining Inc  
 (11) AU-B-2017200699  
 (21) 2017200699 (22) 02.02.2017  
 (54) Adaptive leveling control system  
 (51) Int. Cl.  
     B66F 7/20 ( 2006.01 )  
     B60S 9/10 ( 2006.01 )  
     B66C 23/78 ( 2006.01 )  
     B66F 3/46 ( 2006.01 )  
 (31) 62/295,319 (32) 15.02.16 (33) US  
 (43) 31.08.2017

(44) 01.07.2021  
 (72) ALLEN, Charles; KUIPER, Eric  
 (74) Griffith Hack

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 (54) Longwall optimization control  
 (51) Int. Cl.  
     E21C 41/00 ( 2006.01 )  
     E21C 25/00 ( 2006.01 )  
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     C07C 201/08 ( 2006.01 )  
     A61K 9/00 ( 2006.01 )  
     A61K 47/12 ( 2006.01 )  
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**F21W 131/205** ( 2006.01 )  
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**C09C 1/36** ( 2006.01 )  
**C08K 3/22** ( 2006.01 )

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 Stefan; Rathgeb, Christian; Derntl, Mi-  
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**(74)** Golja Haines & Friend

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**(54)** Electrochemical measuring cell for  
 measuring the content of chlorine com-  
 pounds in water  
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 and methods of use  
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**C07D 401/12** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
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**G06F 16/35** ( 2019.01 )  
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**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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 Ltd.  
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**(54)** Method for producing multibranched  
 polymer and multibranched polymer  
**(51)** Int. Cl.  
**C08F 4/00** ( 2006.01 )  
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 pon Steel Engineering Co., Ltd.**  
**(21)** 2019347405

**(71)** Laboratory Corporation of America  
 Holdings  
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**(21)** 2015219110 **(22)** 18.02.2015  
**(54)** Methods and systems for rapid detec-  
 tion of microorganisms using recombin-  
 ant bacteriophage  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
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 en Eric  
**(74)** Phillips Ormonde Fitzpatrick

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**(21)** 2017229996 **(22)** 10.03.2017  
**(54)** Pressure catheter device  
**(51)** Int. Cl.  
**A61M 25/10** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/03** ( 2006.01 )  
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 terially enriched animal feed composi-  
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**A23K 50/10** ( 2016.01 )  
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 curacy of detecting leakage current  
**(51)** Int. Cl.  
**G01R 31/08** ( 2006.01 )  
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**(43)** 24.01.2019  
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**(74)** Halfords IP

**(71)** Les Laboratoires Servier; Vernalis  
 (R&D) Limited  
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**(21)** 2017277734 **(22)** 09.06.2017  
**(54)** New piperidinyl derivatives, a process  
 for their preparation and pharmaceutic-  
 al compositions containing them  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 495/04** ( 2006.01 )  
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**(43)** 14.12.2017  
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 Lewkowicz, Elodie; Geneste, Olivier;  
 Chanrion, Maïa; Demarles, Didier  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** LEUNG, V.Y.Y.  
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 TRAFFIC INTERSECTION  
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**G08G 1/00** ( 2006.01 )  
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 (74) Baxter Patent Attorneys Pty Ltd

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 (54) Laundry treating apparatus  
 (51) Int. Cl.  
 D06F 39/08 (2006.01)  
 D06F 37/12 (2006.01)

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 (54) Refrigerator  
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 H04R 1/02 (2006.01)  
 F25D 23/02 (2006.01)  
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 (51) Int. Cl.  
 F25D 23/06 (2006.01)  
 F16L 59/065 (2006.01)  
 F25D 19/00 (2006.01)  
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 A47L 5/22 (2006.01)  
 F04D 25/08 (2006.01)  
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 H02K 5/18 (2006.01)  
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 (51) Int. Cl.  
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 (54) Motor  
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 H02K 3/52 (2006.01)  
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 (51) Int. Cl.  
 F25D 23/06 (2006.01)  
 F16L 59/065 (2006.01)  
 F25D 19/00 (2006.01)  
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 (51) Int. Cl.  
 D06F 37/12 (2006.01)  
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 G06F 21/10 (2013.01)  
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 (74) FB Rice Pty Ltd

(71) Luigi Lavazza S.p.A.  
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 (54) Cartridge for the preparation of a liquid product, and corresponding assortment  
 (51) Int. Cl.  
 B65D 85/804 (2006.01)  
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 (74) Phillips Ormonde Fitzpatrick

(71) Lynk Global, Inc.  
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 (54) Method and apparatus for handling communications between spacecraft operating in an orbital environment and terrestrial telecommunications devices  
 (51) Int. Cl.  
 H04L 12/26 (2006.01)  
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**C09D 5/14** ( 2006.01 )  
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**F24C 15/20** ( 2006.01 )  
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**A61K 39/395** ( 2006.01 )  
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**A61P 1/16** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
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Hareth, Nassar  
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**A01K 5/01** ( 2006.01 )  
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MONTALBANO, Gregory  
**(74)** IP GATEWAY PATENT & TRADE  
MARK ATTORNEYS PTY LTD

**(71)** SCW Systems B.V.  
**(11)** AU-B-2016238748  
**(21)** 2016238748 **(22)** 24.03.2016  
**(54)** Method of and system for processing a  
slurry containing organic components  
**(51)** Int. Cl.  
**C02F 11/08** ( 2006.01 )  
**(87)** WO2016/151120  
**(31)** 15161194.4 **(32)** 26.03.15 **(33)** EP  
**(43)** 29.09.2016  
**(44)** 01.07.2021  
**(72)** Essing, Gerardus Cornelis Otto Bern-  
ard; Hendry, Douglas Scott  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Senko Advanced Components, Inc.  
**(11)** AU-B-2017206806  
**(21)** 2017206806 **(22)** 13.01.2017  
**(54)** Fiber optic connector assemblies with  
adjustable polarity  
**(51)** Int. Cl.  
**G02B 6/36** ( 2006.01 )  
**(87)** WO2017/123831  
**(31)** 14/997,375 **(32)** 15.01.16 **(33)** US  
**(43)** 20.07.2017  
**(44)** 01.07.2021  
**(72)** Chang, Jimmy Jun-Fu; Takano, Kazuy-  
oshi  
**(74)** Spruson & Ferguson

**(71)** Server Technology, Inc.  
**(11)** AU-B-2019261827  
**(21)** 2019261827 **(22)** 11.11.2019  
**(54)** Method and apparatus for multiple input  
power distribution to adjacent outputs  
**(51)** Int. Cl.  
**H01R 25/16** ( 2006.01 )  
**H02B 1/20** ( 2006.01 )  
**(43)** 05.12.2019

**(44)** 01.07.2021  
**(62)** 2018236783  
**(72)** Ewing, Carrel W.; Cleveland, Andrew J.;  
Maskaly, James P.  
**(74)** CreateIP

**(71)** Sestec Sp. z o.o.  
**(11)** AU-B-2017233432  
**(21)** 2017233432 **(22)** 27.02.2017  
**(54)** Formaldehyde-free wood binder  
**(51)** Int. Cl.  
**C08L 61/02** ( 2006.01 )  
**C08L 89/06** ( 2006.01 )  
**C08L 97/02** ( 2006.01 )  
**(87)** WO2017/157646  
**(31)** 16000650.8 **(32)** 17.03.16 **(33)** EP  
**(43)** 21.09.2017  
**(44)** 01.07.2021  
**(72)** Edelmann, Hans-Joachim; Sander, Os-  
wald  
**(74)** Shelston IP Pty Ltd.

**(71)** Seth, R.  
**(11)** AU-B-2018330840  
**(21)** 2018330840 **(22)** 07.09.2018  
**(54)** Parallel neural processor for artificial in-  
telligence  
**(51)** Int. Cl.  
**G06K 9/62** ( 2006.01 )  
**G06N 3/04** ( 2006.01 )  
**(87)** WO2019/048922  
**(31)** 16/124,104 **(32)** 06.09.18 **(33)** US  
62/556,312 08.09.17 US  
**(43)** 14.03.2019  
**(44)** 01.07.2021  
**(72)** SETH, Rohit  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** SEW-EURODRIVE GmbH & Co. KG  
**(11)** AU-B-2019216727  
**(21)** 2019216727 **(22)** 16.08.2019  
**(54)** Method for initialising a bus system,  
and bus system  
**(51)** Int. Cl.  
**H04L 12/403** ( 2006.01 )  
**(43)** 05.09.2019  
**(44)** 01.07.2021  
**(62)** 2017259931  
**(72)** FUCHS, Manuel  
**(74)** Griffith Hack

**(71)** Shah, N.  
**(11)** AU-B-2019370153  
**(21)** 2019370153 **(22)** 08.10.2019  
**(54)** Drag reduction and energy generation  
apparatus and method  
**(51)** Int. Cl.  
**B62D 37/02** ( 2006.01 )  
**H05H 1/24** ( 2006.01 )  
**(87)** WO2020/091960  
**(31)** 16/175,396 **(32)** 30.10.18 **(33)** US  
**(43)** 07.05.2020  
**(44)** 01.07.2021  
**(72)** SHAH, Naseem Z.  
**(74)** Michael Buck IP

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(71) Shandong University  
 (11) AU-B-2020328682  
 (21) 2020328682 (22) 23.07.2020  
 (54) Press type spring switch mechanism and electric/manual switchable window opener thereof  
 (51) Int. Cl.  
*E05F 15/603* ( 2015.01 )  
*E05F 11/00* ( 2006.01 )  
*E06B 7/28* ( 2006.01 )  
*H02K 7/116* ( 2006.01 )  
 (87) WO2021/027522  
 (31) 201910749836.4 (32) 14.08.19 (33) CN  
 (43) 18.02.2021  
 (44) 01.07.2021  
 (72) LI, Jianyong; ZHANG, Shanguo; LI, Jianfeng; LI, Fangyi; WANG, Liming; MAN, Jia; LI, Minghui; WANG, Lei  
 (74) Shelston IP Pty Ltd.

(71) SharkNinja Operating LLC  
 (11) AU-B-2016341124  
 (21) 2016341124 (22) 18.10.2016  
 (54) Drive assembly for home appliance  
 (51) Int. Cl.  
*A47J 43/046* ( 2006.01 )  
 (87) WO2017/070085  
 (31) 62/243,747 (32) 20.10.15 (33) US  
 (43) 27.04.2017  
 (44) 01.07.2021  
 (72) Brunner, Charles S.; Eldridge, Corden; Arriens, Ross Douglas  
 (74) Phillips Ormonde Fitzpatrick

**Sharp Kabushiki Kaisha see FG Innovation Company Limited**  
 (21) 2017247235

(71) Shell Internationale Research Maatschappij B.V.  
 (11) AU-B-2019204704  
 (21) 2019204704 (22) 09.01.2019  
 (54) System and method for operating a liquefaction train  
 (51) Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
 (87) WO2019/126832  
 (31) 15/850,250 (32) 21.12.17 (33) US  
 (43) 27.06.2019  
 (44) 01.07.2021  
 (72) VAN DE RIJT, Jeroen; CARRETTE, Pierre Christian Marie; KHAJAVI, Hossein  
 (74) Spruson & Ferguson

(71) Shield Restraint Systems, Inc.  
 (11) AU-B-2016338937  
 (21) 2016338937 (22) 12.10.2016  
 (54) Sealed web retractors for personal restraint systems and associated systems and methods  
 (51) Int. Cl.  
*B60R 22/405* ( 2006.01 )  
*B60R 22/40* ( 2006.01 )  
*B60R 22/42* ( 2006.01 )

*B60R 22/46* ( 2006.01 )  
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 (31) 62/241,762 (32) 15.10.15 (33) US  
 15/226,497 02.08.16 US  
 (43) 20.04.2017  
 (44) 01.07.2021  
 (72) Clark, John; Marriott, Brandon S.; Babin, Brian  
 (74) Spruson & Ferguson

**Shimadzu Corporation see National Center For Geriatrics And Gerontology**  
 (21) 2015262399

(71) Sico Incorporated  
 (11) AU-B-2017225671  
 (21) 2017225671 (22) 27.02.2017  
 (54) Table and seating arrangement  
 (51) Int. Cl.  
*A47B 3/083* ( 2006.01 )  
*A47B 3/14* ( 2006.01 )  
 (87) WO2017/151485  
 (31) 62/301,366 (32) 29.02.16 (33) US  
 (43) 08.09.2017  
 (44) 01.07.2021  
 (72) Dickey, Christopher C.; Svobodny, Monica  
 (74) FB Rice Pty Ltd

(71) SICPA HOLDING SA  
 (11) AU-B-2016351659  
 (21) 2016351659 (22) 07.09.2016  
 (54) Apparatuses and processes for producing optical effect layers comprising oriented non-spherical magnetic or magnetizable pigment particles  
 (51) Int. Cl.  
*B05D 3/00* ( 2006.01 )  
*B05D 3/06* ( 2006.01 )  
*B05D 5/06* ( 2006.01 )  
*B42D 25/00* ( 2014.01 )  
 (87) WO2017/080698  
 (31) 15193837.0 (32) 10.11.15 (33) EP  
 (43) 18.05.2017  
 (44) 01.07.2021  
 (72) Schmid, Mathieu; Despland, Claude-Alain; Loginov, Evgeny  
 (74) Shelston IP Pty Ltd.

(71) Siemens Aktiengesellschaft  
 (11) AU-B-2018403173  
 (21) 2018403173 (22) 30.08.2018  
 (54) Autonomous restoration of power systems after natural disasters  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H01H 7/00* ( 2006.01 )  
*H02H 5/00* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
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 (43) 25.07.2019  
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 (72) WU, Xiaofan; MÜNZ, Ulrich; BAMBERGER, Joachim  
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(71) Siemens Aktiengesellschaft  
 (11) AU-B-2019226249  
 (21) 2019226249 (22) 06.09.2019  
 (54) Electrical power conversion system  
 (51) Int. Cl.  
*H02M 7/00* ( 2006.01 )  
*H02M 3/335* ( 2006.01 )  
 (31) 18196756.3 (32) 26.09.18 (33) EP  
 (43) 09.04.2020  
 (44) 01.07.2021  
 (72) HARBER, Matthew; MURRAY, David Russell  
 (74) Spruson & Ferguson

(71) Siemens Gamesa Renewable Energy GmbH & Co. KG  
 (11) AU-B-2018305892  
 (21) 2018305892 (22) 23.07.2018  
 (54) Assembly for storing heat  
 (51) Int. Cl.  
*C09K 5/14* ( 2006.01 )  
*F28D 20/00* ( 2006.01 )  
 (87) WO2019/020562  
 (31) 10 2017 212 684.1 (32) 24.07.17 (33) DE  
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 (44) 01.07.2021  
 (72) BETKO, Hans-Joachim; WAGNER, Jennifer Verena  
 (74) Spruson & Ferguson

(71) Siemens Mobility GmbH  
 (11) AU-B-2018300582  
 (21) 2018300582 (22) 14.06.2018  
 (54) Method for determining a direction of travel and/or position, track-side device, and device for a vehicle  
 (51) Int. Cl.  
*B61L 25/02* ( 2006.01 )  
*B61L 3/12* ( 2006.01 )  
 (87) WO2019/011570  
 (31) 10 2017 212 089.4 (32) 14.07.17 (33) DE  
 (43) 17.01.2019  
 (44) 01.07.2021  
 (72) LISO NICOLÁS, Marcos  
 (74) Spruson & Ferguson

(71) Sika Technology AG  
 (11) AU-B-2016376643  
 (21) 2016376643 (22) 20.12.2016  
 (54) Sealant for floor joints with a high resistance to fuels  
 (51) Int. Cl.  
*C08G 18/48* ( 2006.01 )  
*C08G 18/12* ( 2006.01 )  
*C08G 18/28* ( 2006.01 )  
*C08G 18/30* ( 2006.01 )  
*C08G 18/42* ( 2006.01 )  
*C08G 18/76* ( 2006.01 )  
*C09J 175/04* ( 2006.01 )  
 (87) WO2017/108742  
 (31) 15201584.8 (32) 21.12.15 (33) EP  
 (43) 29.06.2017  
 (44) 01.07.2021  
 (72) Schlumpf, Michael  
 (74) WRAYS PTY LTD

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(71) SIWA Corporation  
 (11) AU-B-2015318036  
 (21) 2015318036 (22) 15.09.2015  
 (54) Anti-AGE antibodies for treating inflammation and auto-immune disorders  
 (51) Int. Cl.  
     **C07K 16/24** ( 2006.01 )  
     **C07K 16/44** ( 2006.01 )  
 (87) WO2016/044252  
 (31) 62/053,018 (32) 19.09.14 (33) US  
 (43) 24.03.2016  
 (44) 01.07.2021  
 (72) Gruber, Lewis S.  
 (74) Griffith Hack

(71) Société des Produits Nestlé S.A.  
 (11) AU-B-2017213082  
 (21) 2017213082 (22) 26.01.2017  
 (54) Compositions comprising human milk oligosaccharides for use in infants or young children to prevent or treat allergies  
 (51) Int. Cl.  
     **A23L 33/00** ( 2016.01 )  
 (87) WO2017/129640  
 (31) 16152753.6 (32) 26.01.16 (33) EP  
 (43) 03.08.2017  
 (44) 01.07.2021  
 (72) Blanchard, Carine; Nembrini, Chiara  
 (74) Shelston IP Pty Ltd.

(71) Société des Produits Nestlé S.A.  
 (11) AU-B-2017213085  
 (21) 2017213085 (22) 26.01.2017  
 (54) Compositions comprising 2FL and LNnT to control food intake and growth in infants or young children  
 (51) Int. Cl.  
     **A23L 33/00** ( 2016.01 )  
     **A23L 33/10** ( 2016.01 )  
 (87) WO2017/129645  
 (31) 16152741.1 (32) 26.01.16 (33) EP  
 (43) 03.08.2017  
 (44) 01.07.2021  
 (72) Binia, Aristeia; Ramos Nieves, José Manuel; Nembrini, Chiara; Sprenger, Norbert; Favre, Laurent  
 (74) Shelston IP Pty Ltd.

(71) Sony Corporation  
 (11) AU-B-2018247332  
 (21) 2018247332 (22) 12.10.2018  
 (54) Communication apparatus and communication method  
 (51) Int. Cl.  
     **H04W 36/00** ( 2009.01 )  
 (43) 08.11.2018  
 (44) 01.07.2021  
 (62) 2014283892  
 (72) QIN, Zhongbin  
 (74) Spruson & Ferguson

(71) Sony Corporation  
 (11) AU-B-2018296096  
 (21) 2018296096 (22) 01.05.2018  
 (54) Communication device and communication method

(51) Int. Cl.  
     **H04L 27/26** ( 2006.01 )  
     **H04W 72/04** ( 2009.01 )  
 (87) WO2019/008888  
 (31) 2017-132719 (32) 06.07.17 (33) JP  
 (43) 10.01.2019  
 (44) 01.07.2021  
 (72) Aio, Kosuke; Ma, Yuelin; Sugaya, Shigeru  
 (74) Griffith Hack

(71) Southern Innovation International Pty Ltd  
 (11) AU-B-2015354412  
 (21) 2015354412 (22) 28.11.2015  
 (54) Device and method for material characterisation  
 (51) Int. Cl.  
     **G01N 23/22** ( 2006.01 )  
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 (43) 02.06.2016  
 (44) 01.07.2021  
 (72) Scoullar, Paul; McLean, Christopher; Tonissen, Shane; Saleem, Syed Khusro; Allman, Brendan  
 (74) Belyea IP

(71) Southwestern Energy Company  
 (11) AU-B-2016367011  
 (21) 2016367011 (22) 23.11.2016  
 (54) NMR sequential fluid characterization  
 (51) Int. Cl.  
     **G01N 24/08** ( 2006.01 )  
     **G01V 3/32** ( 2006.01 )  
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 (31) 62/371,876 (32) 08.08.16 (33) US  
     62/259,347 24.11.15 US  
 (43) 15.06.2017  
 (44) 01.07.2021  
 (72) Gawankar, Kiran; Boyce, Matthew  
 (74) Davies Collison Cave Pty Ltd

(71) Spinal Stabilization Technologies LLC  
 (11) AU-B-2016349205  
 (21) 2016349205 (22) 03.11.2016  
 (54) Nuclear implant apparatus  
 (51) Int. Cl.  
     **A61F 2/30** ( 2006.01 )  
     **A61F 2/44** ( 2006.01 )  
     **A61F 2/46** ( 2006.01 )  
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 (31) 14/934,987 (32) 06.11.15 (33) US  
 (43) 11.05.2017  
 (44) 01.07.2021  
 (72) Hibri, Nadi S.; Francis, W. Loren; Novotny, Mark A.  
 (74) Davies Collison Cave Pty Ltd

(71) Starbucks Corporation  
 (11) AU-B-2018216742  
 (21) 2018216742 (22) 29.01.2018  
 (54) Method and apparatus for injecting a gas into a beverage  
 (51) Int. Cl.  
     **A23B 4/06** ( 2006.01 )  
     **A23B 4/08** ( 2006.01 )

(87) WO2018/144394  
 (31) 15/423,430 (32) 02.02.17 (33) US  
 (43) 09.08.2018  
 (44) 01.07.2021  
 (72) Schacht, Alexander; Cummer, Michael  
 (74) MINTER ELLISON

(71) Starry, Inc.  
 (11) AU-B-2017212634  
 (21) 2017212634 (22) 27.01.2017  
 (54) High frequency wireless access network  
 (51) Int. Cl.  
     **H04B 7/0452** ( 2017.01 )  
     **H04B 7/06** ( 2006.01 )  
 (87) WO2017/132501  
 (31) 62/287,605 (32) 27.01.16 (33) US  
 (43) 03.08.2017  
 (44) 01.07.2021  
 (72) Lipowski, Joseph Thaddeus; Kanojia, Chaitanya; Kalita, Nicholas John; Kaiser Jr., Joseph Anthony; Pond, Daniel Tracy  
 (74) Spruson & Ferguson

(71) Startlink Systems Ltd  
 (11) AU-B-2016332619  
 (21) 2016332619 (22) 28.09.2016  
 (54) Fibre reinforced polymer structures  
 (51) Int. Cl.  
     **E04C 3/28** ( 2006.01 )  
     **E04C 3/29** ( 2006.01 )  
     **E04C 3/04** ( 2006.01 )  
     **E04C 3/10** ( 2006.01 )  
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 (31) 1517287.7 (32) 30.09.15 (33) GB  
 (43) 06.04.2017  
 (44) 01.07.2021  
 (72) Singleton, Mark James  
 (74) Michael Buck IP

**Stewart, A. see Teague, P.**  
 (21) 2018225203

(71) Stryker Corporation  
 (11) AU-B-2016321354  
 (21) 2016321354 (22) 10.09.2016  
 (54) Sterilization enclosure for surgical instruments  
 (51) Int. Cl.  
     **A61L 2/07** ( 2006.01 )  
     **A61L 2/28** ( 2006.01 )  
     **G01K 3/04** ( 2006.01 )  
     **G01K 11/06** ( 2006.01 )  
     **G01K 17/02** ( 2006.01 )  
 (87) WO2017/044906  
 (31) 62/217,192 (32) 11.09.15 (33) US  
     62/300,368 26.02.16 US  
 (43) 16.03.2017  
 (44) 01.07.2021  
 (72) Henniges, Bruce; Childers, Robert; Chmelar, Erik; Dudycha, Adam; Miller,

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Michael; Moaiery, Ali; Purrenhage, Benjamin John  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Suez International  
**(11)** AU-B-2016273354  
**(21)** 2016273354 **(22)** 03.06.2016  
**(54)** Hydrothermal carbonization method and device with optimised sludge and steam mixing  
**(51)** Int. Cl.  
**C02F 11/10** ( 2006.01 )  
**C10L 9/08** ( 2006.01 )  
**F23G 5/027** ( 2006.01 )  
**F23G 7/00** ( 2006.01 )  
**(87)** WO2016/193462  
**(31)** 1555146 **(32)** 05.06.15 **(33)** FR  
**(43)** 08.12.2016  
**(44)** 01.07.2021  
**(72)** Pardo, Pierre Emmanuel; Bourdais, Jean-Louis  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sumitomo Chemical Company, Limited  
**(11)** AU-B-2018267358  
**(21)** 2018267358 **(22)** 02.05.2018  
**(54)** Production method for 1-amino cyclopropane carboxylic acid nonhydrate  
**(51)** Int. Cl.  
**C07C 227/16** ( 2006.01 )  
**C07C 229/48** ( 2006.01 )  
**(87)** WO2018/207693  
**(31)** 2017-092614 **(32)** 08.05.17 **(33)** JP  
**(43)** 15.11.2018  
**(44)** 01.07.2021  
**(72)** Kawamura, Mitsunobu; Okamoto, Hiroaki  
**(74)** Spruson & Ferguson

**(71)** Sumitomo Metal Mining Co., Ltd.  
**(11)** AU-B-2018412839  
**(21)** 2018412839 **(22)** 21.11.2018  
**(54)** Solvent extraction method  
**(51)** Int. Cl.  
**C22B 26/22** ( 2006.01 )  
**B01D 11/04** ( 2006.01 )  
**C22B 3/38** ( 2006.01 )  
**(87)** WO2019/176175  
**(31)** 2018-043768 **(32)** 12.03.18 **(33)** JP  
**(43)** 19.09.2019  
**(44)** 01.07.2021  
**(72)** OHARA, Hideki; ASANO, Satoshi; KOBAYASHI, Hiroshi; TAKANO, Masatoshi; SANJO, Shota  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sun Pharmaceutical Industries Australia Pty Limited  
**(11)** AU-B-2018203033  
**(21)** 2018203033 **(22)** 01.05.2018  
**(54)** MODIFIED PLANT  
**(51)** Int. Cl.  
**A01H 5/00** ( 2018.01 )  
**A01H 5/10** ( 2018.01 )  
**C07D 489/02** ( 2006.01 )  
**(31)** GB1706920.4 **(32)** 02.05.17 **(33)** GB  
 GB1718241.1 03.11.17 GB

**(43)** 22.11.2018  
**(44)** 01.07.2021  
**(72)** Winzer, Thilo; Graham, Ian  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Sun Pharmaceutical Industries Australia Pty Limited  
**(11)** AU-B-2019202340  
**(21)** 2019202340 **(22)** 04.04.2019  
**(54)** MODIFIED PLANT  
**(51)** Int. Cl.  
**A01H 5/00** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**(43)** 02.05.2019  
**(44)** 01.07.2021  
**(62)** 2017208033  
**(72)** Winzer, Thilo; Walker, Tracy Carol; Meade, Fergus; Larson, Tony Robert; Graham, Ian Alexander  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Svitzer A/S  
**(11)** AU-B-2018368626  
**(21)** 2018368626 **(22)** 19.11.2018  
**(54)** Tugboat  
**(51)** Int. Cl.  
**B63B 21/56** ( 2006.01 )  
**B63B 21/54** ( 2006.01 )  
**B63B 35/68** ( 2006.01 )  
**(87)** WO2019/097065  
**(31)** 1719228.7 **(32)** 20.11.17 **(33)** GB  
**(43)** 23.05.2019  
**(44)** 01.07.2021  
**(72)** BANGSLUND, Thomas  
**(74)** Spruson & Ferguson

**(71)** Symbol Technologies, LLC  
**(11)** AU-B-2018391957  
**(21)** 2018391957 **(22)** 05.11.2018  
**(54)** Computing package wall density in commercial trailer loading  
**(51)** Int. Cl.  
**G06T 7/62** ( 2017.01 )  
**G06T 7/00** ( 2017.01 )  
**(87)** WO2019/125614  
**(31)** 15/853,262 **(32)** 22.12.17 **(33)** US  
**(43)** 27.06.2019  
**(44)** 01.07.2021  
**(72)** KRISHNAMURTHY, Adithya H.; BARISH, Justin F.; TRAJKOVIC, Miroslav  
**(74)** Spruson & Ferguson

**(71)** Synagile Corporation  
**(11)** AU-B-2016258179  
**(21)** 2016258179 **(22)** 06.05.2016  
**(54)** Pharmaceutical suspensions containing drug particles, devices for their administration, and methods of their use  
**(51)** Int. Cl.  
**A61M 37/00** ( 2006.01 )  
**A61K 9/22** ( 2006.01 )  
**(87)** WO2016/179540  
**(31)** 62/292,072 **(32)** 05.02.16 **(33)** US  
 62/157,806 06.05.15 US  
**(43)** 10.11.2016

**(44)** 01.07.2021  
**(72)** Heller, Adam; Heller, Ephraim; Westberg, Karl Goran; Spiridigliozzi, John  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Syngenta Participations AG  
**(11)** AU-B-2017294391  
**(21)** 2017294391 **(22)** 28.06.2017  
**(54)** Plant growth regulator compounds  
**(51)** Int. Cl.  
**A01N 43/86** ( 2006.01 )  
**A01P 21/00** ( 2006.01 )  
**C07D 265/18** ( 2006.01 )  
**(87)** WO2018/007217  
**(31)** 1611717.8 **(32)** 05.07.16 **(33)** GB  
**(43)** 11.01.2018  
**(44)** 01.07.2021  
**(72)** Godfrey, Christopher Richard Ayles; Lachia, Mathilde Denise; Wendeborn, Sebastian Volker; Sabbadin, Davide  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Syzygy Plasmonics Inc.  
**(11)** AU-B-2018290770  
**(21)** 2018290770 **(22)** 26.06.2018  
**(54)** Photocatalytic reactor having multiple photocatalytic reactor cells  
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**B01J 21/00** ( 2006.01 )  
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*G21C 7/00* ( 2006.01 )  
*G21C 21/08* ( 2006.01 )  
*G21D 3/00* ( 2006.01 )  
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 B03C 1/00 ( 2006.01 )  
 C07K 16/30 ( 2006.01 )  
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 C08F 8/40 ( 2006.01 )  
 C08F 30/02 ( 2006.01 )  
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 C07D 475/04 ( 2006.01 )  
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**H01F 6/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**C12P 7/10** ( 2006.01 )  
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**(54)** Air conditioner  
**(51)** Int. Cl.  
**F25B 1/00** ( 2006.01 )  
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**F25D 23/08** ( 2006.01 )  
**A47F 3/04** ( 2006.01 )  
**F25D 21/04** ( 2006.01 )  
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**(74)** IP Gateway Patent and Trade Mark Attorneys Pty Ltd

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**(51)** Int. Cl.  
**A61K 31/166** ( 2006.01 )  
**A61K 31/4164** ( 2006.01 )  
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**C07C 259/10** ( 2006.01 )  
**C07D 235/30** ( 2006.01 )  
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**(51)** Int. Cl.  
**C08B 31/00** ( 2006.01 )  
**C08F 251/00** ( 2006.01 )  
**C08F 251/02** ( 2006.01 )  
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**G01C 21/34** ( 2006.01 )  
**G06Q 50/30** ( 2012.01 )  
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**(51)** Int. Cl.  
**G01V 1/18** ( 2006.01 )  
**G01P 15/09** ( 2006.01 )  
**G01P 15/18** ( 2013.01 )  
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**(51)** Int. Cl.  
**C11D 3/20** ( 2006.01 )  
**C11D 3/04** ( 2006.01 )  
**C11D 3/33** ( 2006.01 )  
**C11D 17/00** ( 2006.01 )  
**(87)** WO2019/162133  
**(31)** 18158262.8 **(32)** 23.02.18 **(33)** EP  
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 (51) Int. Cl.  
 C11D 3/20 ( 2006.01 )  
 C11D 3/04 ( 2006.01 )  
 C11D 3/33 ( 2006.01 )  
 C11D 17/00 ( 2006.01 )  
 (87) WO2019/162130  
 (31) 18158269.3 (32) 23.02.18 (33) EP  
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 (51) Int. Cl.  
 C12Q 1/68 ( 2006.01 )  
 G01N 1/30 ( 2006.01 )  
 G01N 33/574 ( 2006.01 )  
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 C07C 25/22 ( 2006.01 )  
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 Langa De La Puente, Fernando  
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 C07H 15/203 ( 2006.01 )  
 A61K 31/7016 ( 2006.01 )  
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 H04L 29/06 ( 2006.01 )  
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 (74) AJ PARK

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 (54) SYSTEM AND METHOD FOR AUTHORIZING ACCESS TO ACCESS-CONTROLLED ENVIRONMENTS  
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 H04M 1/00 ( 2006.01 )  
 G06F 21/32 ( 2013.01 )  
 G06K 9/46 ( 2006.01 )  
 G06Q 20/32 ( 2012.01 )  
 G06Q 20/40 ( 2012.01 )  
 H04L 9/32 ( 2006.01 )  
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 H04W 12/06 ( 2009.01 )  
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**C07K 7/00** ( 2006.01 )  
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**G02B 1/11** ( 2006.01 )  
**B05D 5/06** ( 2006.01 )  
**C03C 17/34** ( 2006.01 )  
**C09D 183/04** ( 2006.01 )  
**C23C 14/08** ( 2006.01 )  
**C23C 14/14** ( 2006.01 )

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**A63G 31/00** ( 2006.01 )  
**A63G 31/16** ( 2006.01 )

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**(54)** Fluid handling detectors

**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )

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**(11)** AU-B-2019262098  
**(21)** 2019262098 **(22)** 02.05.2019  
**(54)** An internal combustion engine and method of operating an internal combustion engine

**(51)** Int. Cl.  
**C01B 3/04** ( 2006.01 )  
**F02D 19/06** ( 2006.01 )  
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**F02M 21/02** ( 2006.01 )  
**F02M 25/022** ( 2006.01 )

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**G01S 7/481** ( 2006.01 )  
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**(54)** CONTROL SYSTEM FOR HYDRO-CARBON RECOVERY TOOLS

**(51)** Int. Cl.  
**E21B 44/02** ( 2006.01 )  
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**(54)** Pressure operated apparatus and method

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**(54)** Modular vital signs monitor

**(51)** Int. Cl.  
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 (51) Int. Cl.  
*H04B 5/00* ( 2006.01 )  
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 (21) 2019206950 (22) 08.01.2019  
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 (51) Int. Cl.  
*C07C 271/56* ( 2006.01 )  
*A61K 31/325* ( 2006.01 )  
*A61P 25/04* ( 2006.01 )  
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*C07C 235/00* ( 2006.01 )  
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*C07D 211/06* ( 2006.01 )  
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 (21) 2020201103 (22) 16.02.2020  
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 (51) Int. Cl.  
*F16L 37/12* ( 2006.01 )  
*F16L 33/22* ( 2006.01 )  
*F16L 37/10* ( 2006.01 )  
*F16L 37/138* ( 2006.01 )  
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 (44) 01.07.2021  
 (62) 2018201861  
 (72) LO, Shun-Nan  
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (54) Pipe Fittings with Filter  
 (51) Int. Cl.  
*B01D 35/02* ( 2006.01 )  
*B01D 29/05* ( 2006.01 )  
*F16K 5/04* ( 2006.01 )  
 (43) 01.07.2021  
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 (72) HUANG, Wei-Kai  
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(54) Cannabis Composition  
 (51) Int. Cl.  
*A61K 31/352* ( 2006.01 )  
*A61K 31/05* ( 2006.01 )  
*A61K 36/00* ( 2006.01 )  
*A61P 17/04* ( 2006.01 )  
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 (44) 01.07.2021  
 (62) 2017307644  
 (72) Karelis, Harry; Gordon, Mara; Smith, Stewart; Washer, Stewart  
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 (11) AU-B-2019253841  
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 (54) Cannabis Composition  
 (51) Int. Cl.  
*A61K 31/352* ( 2006.01 )  
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*A61K 36/00* ( 2006.01 )  
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 (43) 14.11.2019  
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 (62) 2017307643  
 (72) KARELIS, HARRY; GORDON, MARA; SMITH, STEWART; WASHER, STEWART  
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(71) Zenith Interiors Pty Ltd  
 (11) AU-B-2015238917  
 (21) 2015238917 (22) 09.10.2015  
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 (51) Int. Cl.  
*B29C 53/06* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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<b>2014321134</b>	Avicennia Investments Pty Ltd	<b>2016242967</b>	Adaptive Biotechnologies Corp.; Fred Hutchinson Cancer Research Center
<b>2014366839</b>	Nuseed Pty Ltd; Commonwealth Scientific and Industrial Research Organisation; Grains Research and Development Corporation	<b>2016244788</b>	Brazas, M.; Brazas, B.
<b>2015209103</b>	ArcherDX, Inc.	<b>2016247164</b>	Ultra Electronics Maritime Systems Inc.
<b>2015219110</b>	Laboratory Corporation of America Holdings	<b>2016250327</b>	RF Industries Pty Ltd
<b>2015222802</b>	Jumpcode Genomics, Inc.	<b>2016250570</b>	Enlivex Therapeutics Ltd
<b>2015235922</b>	Salk Institute for Biological Studies	<b>2016252283</b>	Schaefer, M.; Balint, J.
<b>2015237951</b>	Oneness Biotech Co. Ltd	<b>2016256682</b>	The Boeing Company
<b>2015238917</b>	Zenith Interiors Pty Ltd	<b>2016257732</b>	CareFusion 303, Inc.
<b>2015247323</b>	Editas Medicine, Inc.	<b>2016258179</b>	Synagile Corporation
<b>2015259024</b>	Illumina, Inc.	<b>2016259437</b>	Joy Global Underground Mining LLC
<b>2015262399</b>	National Center For Geriatrics And Gerontology; Shimadzu Corporation	<b>2016262151</b>	Nanotech Security Corp.
<b>2015263044</b>	Mara Renewables Corporation	<b>2016267252</b>	Joy Global Longview Operations LLC
<b>2015289613</b>	Sanofi Biotechnology; Regeneron Pharmaceuticals, Inc.	<b>2016267275</b>	Google LLC
<b>2015308620</b>	United States Government Represented By The Department of Veterans Affairs; Cedars-Sinai Medical Center; The Regents of The University Of California	<b>2016269410</b>	BIOSENSE WEBSTER (ISRAEL), INC.
<b>2015317864</b>	Cornell University	<b>2016269593</b>	Koninklijke Philips N.V.
<b>2015318036</b>	SIWA Corporation	<b>2016270351</b>	Quanta Associates, L.P.
<b>2015324564</b>	Duke University	<b>2016270643</b>	Optical Cable Corporation
<b>2015324924</b>	MedImmune, LLC	<b>2016270852</b>	ACR Electronics, Inc.
<b>2015327819</b>	Massachusetts Institute of Technology	<b>2016271617</b>	NuoDB, Inc.
<b>2015327836</b>	Cold Spring Harbor Laboratory	<b>2016273354</b>	Suez International
<b>2015339507</b>	Inhibrx, Inc.	<b>2016276251</b>	Plexbio Co., Ltd.
<b>2015343375</b>	Biosuccess Biotech Co., Ltd.	<b>2016280285</b>	24M Technologies, Inc.; Fukushima, T.
<b>2015343400</b>	MTS Medication Technologies, Inc	<b>2016281190</b>	Novapharm Research (Australia) Pty Ltd
<b>2015354412</b>	Southern Innovation International Pty Ltd	<b>2016282948</b>	Evans Hurson, A.
<b>2015360472</b>	Kyndi, Inc.	<b>2016284311</b>	Johnson & Johnson Consumer Inc.
<b>2015361134</b>	Black & Decker Inc.	<b>2016284935</b>	Cassiopea S.p.A.
<b>2015368496</b>	Nitto Denko Corporation	<b>2016286168</b>	Koninklijke Douwe Egberts B.V.
<b>2015369854</b>	Five Prime Therapeutics, Inc.	<b>2016287372</b>	Koninklijke Philips N.V.
<b>2015382376</b>	Tobira Therapeutics, Inc.	<b>2016293487</b>	Mara Renewables Corporation
<b>2015391685</b>	Monopar Therapeutics Inc.	<b>2016295759</b>	Kuntze Instruments GmbH
<b>2015394631</b>	Tempero 2000, S.I.	<b>2016296579</b>	Magic Leap, Inc.
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<b>2015408663</b>	Excitus AS	<b>2016301104</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2015409590</b>	Halliburton Energy Services, Inc.	<b>2016301380</b>	Acceleron Pharma Inc.
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<b>2016200099</b>	TrainNorman Assets Pty Ltd	<b>2016308839</b>	Infastech Intellectual Properties Pte. Ltd.
<b>2016203614</b>	Joy Global Conveyors Inc	<b>2016309967</b>	Boulos & Cooper Pharmaceuticals Pty Ltd
<b>2016204669</b>	TNA Australia Pty Limited	<b>2016312976</b>	CMI Construction & Mining Industries Supplies Pty Ltd
<b>2016206377</b>	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED	<b>2016313234</b>	Weatherford U.K. Limited
<b>2016207258</b>	Dinu, Sorin	<b>2016321197</b>	Black & Veatch Holding Company
<b>2016209132</b>	Novozymes A/S	<b>2016321354</b>	Stryker Corporation
<b>2016209255</b>	Mitochon Pharmaceuticals, Inc.	<b>2016324024</b>	AP Designs LLC; Patel, A.
<b>2016210045</b>	Adionics	<b>2016324914</b>	Franke Kaffeemaschinen AG
<b>2016214109</b>	Grey Orange Pte. Ltd.	<b>2016328959</b>	Equifax, Inc.
<b>2016219534</b>	Memorial Sloan Kettering Cancer Center; Massachusetts Institute of Technology	<b>2016332188</b>	Myers, K.
<b>2016219841</b>	Candesant Biomedical, Inc.	<b>2016332619</b>	Startlink Systems Ltd
<b>2016222285</b>	ASSA ABLOY Australia Pty Limited	<b>2016334258</b>	Decision Sciences Medical Company, LLC
<b>2016223189</b>	Chevron U.S.A. Inc.	<b>2016335090</b>	Dolby International AB
<b>2016223532</b>	Ruprecht-Karls-Universitat Heidelberg	<b>2016335122</b>	Invetech, Inc.
<b>2016226072</b>	Avon Products, Inc.	<b>2016335755</b>	Mayo Foundation for Medical Education and Research
<b>2016226288</b>	Edico Genome Corp.	<b>2016336925</b>	Aker Solutions AS
<b>2016228456</b>	Neoperl GmbH	<b>2016337639</b>	DosentRX Ltd
<b>2016228958</b>	Rasheed, N.	<b>2016338671</b>	Madorra Inc.
<b>2016231798</b>	Officine di Cartigliano SpA	<b>2016338937</b>	Shield Restraint Systems, Inc.
<b>2016232191</b>	Ogeda SA	<b>2016339822</b>	LightLab Imaging, Inc.
<b>2016232659</b>	Amal Therapeutics SA	<b>2016339956</b>	Omega Biosystems Incorporated
<b>2016232772</b>	Vision Ease, LP	<b>2016340222</b>	Magic Leap, Inc.
<b>2016236172</b>	AlgiPharma AS	<b>2016340267</b>	TryEco, LLC
<b>2016238748</b>	SCW Systems B.V.	<b>2016341124</b>	SharkNinja Operating LLC
<b>2016239858</b>	Intervet International B.V.	<b>2016341489</b>	Alexander Dennis Limited
		<b>2016341937</b>	Home Care Providers, Inc.
		<b>2016342015</b>	Indiana University Research and Technology Corporation
		<b>2016342029</b>	Nanocomp Technologies, Inc.
		<b>2016343633</b>	Neurocrine Biosciences, Inc.

## Applications Accepted - Numerical Index cont'd

2016343967	Airborne Systems North America of NJ Inc.	2017279481	Raytheon Company
2016349205	Spinal Stabilization Technologies LLC	2017280065	International AIDS Vaccine Initiative, Inc.; Oregon Health and Science University
2016349470	Carver Scientific, Inc.	2017281439	Bristol-Myers Squibb Company
2016350067	Health Corporation of Galilee Medical Center	2017286055	BASF Agro B.V.
2016351659	SICPA HOLDING SA	2017286379	Janssen Pharmaceutica NV
2016352669	Chr. Hansen A/S	2017290755	Novira Therapeutics, Inc.
2016354889	Koninklijke Philips N.V.	2017294391	Syngenta Participations AG
2016355917	Marathon Robotics Pty Ltd	2017295738	Bitdefender IPR Management Ltd
2016356068	Hepa Wash GmbH	2017300877	Safran
2016361156	TerraPower, LLC	2017320226	Hilti Aktiengesellschaft
2016361466	Aquatic Informatics Inc.	2017325856	Genomatica, Inc.
2016362508	The Brigham and Women's Hospital, Inc.	2017331372	Verifi LLC
2016365408	Grannus, LLC	2017342051	Universite de Geneve
2016366714	Luigi Lavazza S.p.A.	2017343643	The United States of America, as represented by the Secretary, Department of Health and Human Services
2016367011	Southwestern Energy Company	2017344103	Resolvex Pharmaceuticals Inc.
2016369460	Bitdefender IPR Management Ltd	2017348339	DHK Storage, LLC
2016371014	Merck Patent GmbH	2017348913	Fuchs Petrolub SE
2016376643	Sika Technology AG	2017363337	Translational Drug Development, LLC
2016377393	Fine Powder Technologies Pty Ltd	2017384140	Radiometer Medical APS
2016377785	The Regents of the University of California	2017400606	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2016378574	McCormick & Company, Incorporated	2017416002	Toshiba Carrier Corporation
2016380362	University of Notre Dame Du Lac	2017417515	Knauf Gips KG
2016389266	Kimberly-Clark Worldwide, Inc.	2017423233	Berker GmbH & Co. KG
2016394837	Metso Outotec Finland Oy	2017426456	Brother Kogyo Kabushiki Kaisha
2016404458	Halliburton Energy Services, Inc.	2017426883	Colgate-Palmolive Company
2016425427	Halliburton Energy Services, Inc.	2017431764	Google LLC
2017200305	Adobe Inc.	2017435282	Huawei Technologies Co., Ltd.
2017200699	Joy Global Surface Mining Inc	2018203033	Sun Pharmaceutical Industries Australia Pty Limited
2017202163	Nidec Motor Corporation	2018207048	Instrumentation Laboratory Company
2017203645	Pesky Ideas Limited	2018216742	Starbucks Corporation
2017204872	Multisteps Pty Ltd	2018216890	Saudi Arabian Oil Company
2017205167	Celgene Corporation	2018218333	KTM AG
2017206289	Adobe Inc.	2018221731	Denali Therapeutics Inc.
2017206806	Senko Advanced Components, Inc.	2018225203	Teague, P.; Stewart, A.
2017207029	The Coca-Cola Company	2018227806	Lynk Global, Inc.
2017211260	Larsen, E.	2018236568	CUBICStars, Inc.
2017211464	Fujiyaku Hin Co., Ltd.	2018238441	Telefonaktiebolaget LM Ericsson (publ)
2017212634	Starry, Inc.	2018238920	Huawei Technologies Co., Ltd.
2017213082	Société des Produits Nestlé S.A.	2018241298	Universidad de Castilla la Mancha
2017213085	Société des Produits Nestlé S.A.	2018247332	Sony Corporation
2017213599	Kronos International, Inc.	2018250483	Commonwealth Scientific and Industrial Research Organisation
2017214396	Medos International Sàrl	2018253297	Universal Engraving, Inc.
2017215811	M. Technique Co., Ltd.	2018255221	Eli Lilly and Company
2017216213	Ecole Polytechnique Federale de Lausanne (EPFL)	2018264152	Cellscript, LLC
2017220648	Oculyze GmbH	2018267358	Sumitomo Chemical Company, Limited
2017225016	Adobe Inc.	2018269398	MSA Technology, LLC
2017225671	Sico Incorporated	2018271326	Regeneron Pharmaceuticals, Inc.
2017225927	CTT Pharma Inc.	2018271418	Adobe Inc.
2017226296	Whoop, Inc.	2018275359	Pfizer Inc.
2017227777	Bristol-Myers Squibb Company	2018276723	Excellence Biotechnology
2017229996	Laborie Medical Technologies Corp.	2018279295	Linus (Aust) Pty Ltd.
2017231022	Nordovo Biosciences AS	2018282259	Applied Explosives Technology Pty Limited
2017231824	Alios BioPharma, Inc.	2018286407	ExxonMobil Upstream Research Company
2017232207	Adobe Inc.	2018287143	Metso Sweden AB
2017233432	Sestec Sp. z o.o.	2018288650	Honeywell International Inc.
2017233723	Avigilon Corporation	2018289327	Dexcom, Inc.
2017234681	On Target Laboratories, LLC	2018290228	Gilead Sciences, Inc.
2017235462	Kura Oncology, Inc.; The Regents of the University of Michigan	2018290714	ConMed Corporation
2017237819	Qualcomm Incorporated	2018290770	Syzygy Plasmonics Inc.
2017244707	Toray Industries, Inc.	2018296096	Sony Corporation
2017245679	Innovative Molecules GmbH	2018297172	NEXTracker Inc.
2017247235	FG Innovation Company Limited; Sharp Kabushiki Kaisha	2018297608	JVK Filtration Systems GmbH
2017254848	Adobe Inc.	2018298657	Inventio AG
2017257491	Ecolab USA Inc.	2018299815	Northrop Grumman Systems Corporation
2017259457	Kyoto University; Otsuka Chemical Co., Ltd.	2018300342	3M Innovative Properties Company
2017266291	Boehringer Ingelheim International GmbH	2018300582	Siemens Mobility GmbH
2017269335	Recurium IP Holdings, LLC	2018301289	Citrix Systems, Inc.
2017269945	Johnson Matthey Public Limited Company	2018302946	Lee, H.
2017274391	Qualcomm Incorporated		
2017277734	Les Laboratoires Servier; Vernalis (R&D) Limited		

Applications Accepted - Numerical Index cont'd

2018303510	China ENFI Engineering Corporation	2019204932	Georg Fischer Central Plastics LLC
2018305892	Siemens Gamesa Renewable Energy GmbH & Co. KG	2019204933	Adimab, LLC
2018310776	Benoit, B.	2019206006	Veridium IP Limited
2018318791	COFCO Nutrition and Health Research Institute Co Ltd	2019206950	XWPharma Ltd.
2018318989	Daktronics, Inc.	2019207867	Hugo Petersen GmbH
2018322410	Keppel Offshore & Marine Technology Centre Pte Ltd	2019208152	FRANZ, B.; FRANZ, L.
2018328182	Citrix Systems, Inc.	2019208177	Zelda Therapeutics Operations Pty Ltd
2018329314	Daikin Industries, Ltd.	2019210662	The Board of Trustees of the Leland Stanford Junior University; Aravive Biologics, Inc.
2018330212	Telefonaktiebolaget LM Ericsson (publ)	2019212843	Dolby International AB
2018330840	Seth, R.	2019213372	SAMSUNG ELECTRONICS CO., LTD.
2018342475	W.L. Gore & Associates, Inc.	2019214694	Institute of Materia Medica, Chinese Academy of Medic- al Sciences
2018346770	National Health Research Institutes	2019216397	Welltec Oilfield Solutions AG
2018347199	Advanced New Technologies Co., Ltd.	2019216587	Schneider Electric (Australia) Pty Limited
2018353633	Hitachi, Ltd.; Hitachi Rail STS S.p.A.	2019216727	SEW-EURODRIVE GmbH & Co. KG
2018356939	Nicoventures Trading Limited	2019218894	Netflix, Inc.
2018356940	Nicoventures Trading Limited	2019219739	Weatherford Technology Holdings, LLC
2018357503	Huawei Technologies Co., Ltd.	2019222923	LG Electronics INC
2018363020	VR Coaster GmbH & Co. KG	2019223672	Unilever PLC
2018363846	Nippon Steel Corporation; Vallourec Oil and Gas France	2019225946	Unilever PLC
2018366562	Huawei Technologies Co., Ltd.	2019226187	Crown Equipment Corporation
2018366776	Huawei Technologies Co., Ltd.	2019226249	Siemens Aktiengesellschaft
2018368626	Svitzer A/S	2019226269	Bripco BVBA
2018369067	Huawei Technologies Co., Ltd.	2019226283	FMC CORPORATION
2018369888	Welch Allyn, Inc.	2019226384	JENOPTIK Robot GmbH
2018370022	Baker Hughes Holdings LLC	2019227672	Komatsu Ltd.
2018371374	Hikariyane Corporation	2019228125	Nicoventures Trading Limited
2018372109	Pfizer Inc.	2019229401	Duracell U.S. Operations, Inc.
2018372642	Biopremix Technologies LLC	2019236677	LG Electronics Inc.
2018372768	Jubilant Generics Limited (formerly a division of Jubilant Life Sciences Limited)	2019236705	206 Ortho, Inc.
2018378194	MED-EL Elektromedizinische Geraete GmbH	2019236741	LG ELECTRONICS INC.
2018378697	Coors Brewing Company	2019240251	Endomagnetics Limited
2018379798	WorldPay Limited	2019240567	Becton, Dickinson and Company
2018381090	Captive-Aire Systems, Inc.	2019240591	Maxtrax Australia Pty Ltd
2018384633	The Procter & Gamble Company	2019246100	Komatsu Ltd.
2018385461	FMC Kongsberg Subsea AS	2019246781	Biocon Limited
2018387391	James & Taylor Limited	2019246803	Sabic Global Technologies B.V.
2018388686	Malewicz, G.	2019246849	Infastech Intellectual Properties Pte. Ltd
2018391625	Intuit Inc.	2019246912	Monsanto Technology LLC
2018391957	Symbol Technologies, LLC	2019246914	Monsanto Technology LLC
2018392922	Aseko, Inc.	2019250246	Greeneden U.S. Holdings II, LLC
2018393399	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2019250259	LG Electronics Inc.
2018396085	Safran Electronics & Defense; B-Temia Inc.	2019252254	Cellectar Biosciences, Inc.
2018396110	Repligen Corporation	2019253841	Zelda Therapeutics Operations Pty Ltd
2018397571	Dropbox, Inc.	2019253870	Principle Power, Inc.
2018400808	General Electric Company	2019253900	The Provost, Fellows, Foundation Scholars, & the other members of Board, of the College of the Holy & Undiv. Trinity of Queen Elizabeth
2018403173	Siemens Aktiengesellschaft	2019257362	Ecole Polytechnique Federale de Lausanne
2018410878	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.	2019257465	Dropbox, Inc.
2018410912	Intuit Inc.	2019257505	InterDigital Patent Holdings, Inc.
2018412839	Sumitomo Metal Mining Co., Ltd.	2019261671	Arcadyan Technology Corporation
2018413069	Taiyuan University of Technology	2019261711	Fisher & Paykel Healthcare Limited
2018423073	Sawamura Prosthetics and Orthotics Service Co., Ltd.; Therapy Co., Ltd.	2019261827	Server Technology, Inc.
2019200192	Auxilium International Holdings, Inc.	2019262098	Water 2 Hydrogen (IP) Pty Ltd
2019200921	Vibrant Holdings, LLC	2019262836	Elekta, Inc.
2019201052	Gen9, Inc.	2019264883	National Research Council of Canada
2019202203	Family Zone Cyber Safety Ltd	2019268170	Cook Medical Technologies LLC
2019202340	Sun Pharmaceutical Industries Australia Pty Limited	2019270825	FreeFall Aerospace, Inc.
2019202343	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.	2019271902	Japan Porlex & Co., Ltd.
2019202508	The Johns Hopkins University	2019271964	Universitaet Basel
2019203211	Jackson Kayak, Inc	2019271991	Burcon Nutrascience (MB) Corp.
2019203409	Aristocrat Technologies Australia Pty Limited	2019275559	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
2019203780	Regeneron Pharmaceuticals, Inc.	2019279919	Corning Optical Communications LLC
2019204252	Dexcom, Inc.	2019279946	Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology
2019204384	Eagle View Technologies, Inc.	2019279973	Baxter Healthcare SA; Baxter International Inc
2019204618	LG Electronics, Inc.	2019283808	Allergan Industrie, SAS
2019204655	TherapeuticsMD, Inc.	2019283838	3M Innovative Properties Company
2019204704	Shell Internationale Research Maatschappij B.V.	2019315550	Ascentage Pharma (Suzhou) Co., Ltd.
		2019324581	The Catholic University of America

## Applications Accepted - Numerical Index cont'd

2019331801 JGC Corporation  
2019340345 Gungnir AS  
2019347405 Nippon Steel Engineering Co., Ltd.; Kyushu Electric Power Co., Inc.  
2019351797 Motorola Solutions, Inc.  
2019360423 Tokamak Energy Ltd  
2019366858 Intuit Inc.  
2019369419 Multi Radiance Medical  
2019370153 Shah, N.  
2019371390 Sciortino, S.  
2019378764 Citrix Systems, Inc.  
2019383467 Dellas, J.  
2019391798 Citrix Systems, Inc.  
2019392985 Institute of Geology and Geophysics, Chinese Academy of Sciences  
2019394837 Biotherapy Services Limited  
2019425530 Intuit Inc.  
2020200142 Panasonic Intellectual Property Management Co., Ltd.  
2020200427 Boehringer Ingelheim Vetmedica GmbH  
2020200451 Moog Inc.  
2020200581 LG Electronics Inc.  
2020200619 LG Electronics Inc.  
2020200640 LG Electronics Inc.  
2020200688 RFEMB HOLDINGS, LLC  
2020200961 Baxter International Inc.; Baxter Healthcare SA  
2020201103 Yuan Mei Corp.  
2020201119 Polycorp Ltd.  
2020201294 Navico Holding AS  
2020201377 NTT DOCOMO, INC.  
2020201450 Mankind Pharma Ltd.  
2020201467 Taiyuan University of Technology; Guiyang Plateau Machinery Company Limited  
2020201558 VERIDIUM IP LIMITED  
2020201994 Dover BMCS Acquisition Corporation  
2020202001 LEUNG, V.Y.Y.  
2020202181 Theravance Biopharma R&D IP, LLC  
2020202411 NAVICO HOLDINGS AS  
2020202415 Gracenote, Inc.  
2020202418 The Board of Regents of the University of Texas System; ColubrisMX, Inc.  
2020202600 Gilead Sciences, Inc.  
2020202681 Oncotherapy Science, Inc.  
2020202916 Apple Inc.  
2020202949 RI&D Pty Ltd  
2020203038 Google LLC  
2020203153 Safe Marine Transfer, LLC  
2020203217 JK INSPIR  
2020203450 Mankind Pharma Ltd.  
2020203551 Uber Technologies, Inc.  
2020204137 EMBO Medical Limited  
2020204168 Arcadyan Technology Corporation  
2020204341 Novartis AG  
2020217321 ASM TECHNOLOGY PTY LTD  
2020220160 Amazon Technologies, Inc.  
2020220206 Waymo LLC  
2020223654 SAHARA CO., LTD.  
2020230351 Yuan-Mei Corp.  
2020267143 Coupang Corp.  
2020286201 Eagle Technology, LLC  
2020328682 Shandong University  
2021202957 DemeRx, Inc.  
2021203245 The NOCO Company



IPC Index

<b><u>A01G 25 /-</u></b>	<b><u>A23L 3 /-</u></b>	2017214396 2018310776 2019240251 2020202418 2020204137	<b><u>A61J 7 /-</u></b>	2015289613 2015369854 2016219534 2016232659 2016239858 2016303039 2017216213 2017227777 2017280065 2018221731 2018255221 2019200921 2019202343 2019246781 2019257362 2020202681	2016321354 <b><u>A61L 24 /-</u></b> 2019394837 <b><u>A61L 27 /-</u></b> 2016342015
2017203645	2017207029 2018216742		<b><u>A61K 31 /-</u></b>	2015343375 2015368496 2015382376 2015391685 2016209255 2016232191 2016236172 2016284935 2016343633 2016371014 2017205167 2017211464 2017235462 2017245679 2017269335 2017277734 2017281439 2017286379 2017290755 2017343643 2017344103 2017363337 2018264152 2018372109 2019206950 2019208152 2019208177 2019210662 2019214694 2019226283 2019253841 2019271964 2019315550 2020200427 2020201450 2020202181 2020203450 2020204341	<b><u>A61M 1 /-</u></b> 2015408663 2016332188 2016356068 2019279973 2020200961
<b><u>A01H 5 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A61B 18 /-</u></b>	2015343375 2015368496 2015382376 2015391685 2016209255 2016232191 2016236172 2016284935 2016343633 2016371014 2017205167 2017211464 2017235462 2017245679 2017269335 2017277734 2017281439 2017286379 2017290755 2017343643 2017344103 2017363337 2018264152 2018372109 2019206950 2019208152 2019208177 2019210662 2019214694 2019226283 2019253841 2019271964 2019315550 2020200427 2020201450 2020202181 2020203450 2020204341	2017216213 2017227777 2017280065 2018221731 2018255221 2019200921 2019202343 2019246781 2019257362 2020202681	<b><u>A61L 27 /-</u></b> 2016342015
2014366839 2018203033 2019202340 2019246912 2019246914	2017213082 2017213085 2019271991	2016335755 2020200688	<b><u>A61B 3 /-</u></b>	2019200921 2019202343 2019246781 2019257362 2020202681	<b><u>A61M 1 /-</u></b> 2015408663 2016332188 2016356068 2019279973 2020200961
<b><u>A01K 5 /-</u></b>	<b><u>A23P 10 /-</u></b>	2016340222	<b><u>A61B 34 /-</u></b>	<b><u>A61K 45 /-</u></b>	<b><u>A61M 13 /-</u></b>
2019371390	2016378574		2016340222	2015368496 2016236172 2019315550	2018290714
<b><u>A01K 67 /-</u></b>	<b><u>A24B 15 /-</u></b>	<b><u>A61B 5 /-</u></b>	2019240251 2020202418	2015368496 2016236172 2019315550	<b><u>A61M 15 /-</u></b>
2018271326	2019228125	2016287372 2016334258 2016338671 2016339822 2017226296 2017229996 2018289327 2018342475 2018369888 2019204252 2019253900	2019240251 2020202418	2015368496 2016236172 2019315550	2016287372 2016337639
<b><u>A01N 25 /-</u></b>	<b><u>A24D 3 /-</u></b>	<b><u>A61B 8 /-</u></b>	2016287372 2016334258 2016338671 2016339822 2017226296 2017229996 2018289327 2018342475 2018369888 2019204252 2019253900	2015324924 2016284935 2016378574 2017225927 2018372768 2019236705 2020200427	<b><u>A61M 16 /-</u></b>
2016352669	2019228125	2019208152 2019208177 2019210662 2019214694 2019226283 2019253841 2019271964 2019315550 2020200427 2020201450 2020202181 2020203450 2020204341	2019228125	2015324924 2016284935 2016378574 2017225927 2018372768 2019236705 2020200427	2016287372 2019261711
<b><u>A01N 43 /-</u></b>	<b><u>A24F 47 /-</u></b>	<b><u>A61B 9 /-</u></b>	2016287372 2016334258 2016338671 2016339822 2017226296 2017229996 2018289327 2018342475 2018369888 2019204252 2019253900	2015324924 2016284935 2016378574 2017225927 2018372768 2019236705 2020200427	<b><u>A61M 25 /-</u></b>
2016352669 2017294391 2019226283	2018356939 2018356940 2019228125	2019208152 2019208177 2019210662 2019214694 2019226283 2019253841 2019271964 2019315550 2020200427 2020201450 2020202181 2020203450 2020204341	2019228125	2015324924 2016284935 2016378574 2017225927 2018372768 2019236705 2020200427	2017222996
<b><u>A01N 45 /-</u></b>	<b><u>A46B 15 /-</u></b>	<b><u>A61B 90 /-</u></b>	2016324024	2015327836 2019202343 2020202681	<b><u>A61M 37 /-</u></b>
2019204655	2016324024	2019240251		2015327836 2019202343 2020202681	2016258179
<b><u>A01N 63 /-</u></b>	<b><u>A47B 3 /-</u></b>	<b><u>A61C 8 /-</u></b>	2017225671	2017234681	<b><u>A61M 39 /-</u></b>
2016352669 2016362508	2017225671	2016335007		2017234681	2016257732 2016332188
<b><u>A01P 21 /-</u></b>	<b><u>A47F 3 /-</u></b>	<b><u>A61F 13 /-</u></b>	2016200099	<b><u>A61K 48 /-</u></b>	<b><u>A61M 5 /-</u></b>
2017294391	2016200099	2020203217		2015327836 2019202343 2020202681	2016257732 2018392922
<b><u>A23B 4 /-</u></b>	<b><u>A47J 31 /-</u></b>	<b><u>A61F 2 /-</u></b>	2016286168 2016324914	2016226072 2016284311 2017426883 2018384633 2019283808	<b><u>A61N 1 /-</u></b>
2018216742	2016286168 2016324914	2016269410 2016349205 2018310776 2018423073 2019236705		2016226072 2016284311 2017426883 2018384633 2019283808	2018378194 2020200688
<b><u>A23J 1 /-</u></b>	<b><u>A47J 37 /-</u></b>	<b><u>A61F 7 /-</u></b>	2016204669	<b><u>A61K 49 /-</u></b>	<b><u>A61N 5 /-</u></b>
2019271991	2016204669	2016219841		2017234681	2019262836 2019369419
<b><u>A23J 3 /-</u></b>	<b><u>A47J 42 /-</u></b>	<b><u>A61F 9 /-</u></b>	2019271991	<b><u>A61K 51 /-</u></b>	<b><u>A61N 7 /-</u></b>
2019271991	2019271902	2019283838 2019369419		2019252254	2016338671
<b><u>A23K 10 /-</u></b>	<b><u>A47J 43 /-</u></b>	<b><u>A61F 9 /-</u></b>	2019271991	<b><u>A61K 8 /-</u></b>	<b><u>A61P 1 /-</u></b>
2017211260 2018372642	2016341124	2019283838 2019369419		2016226072 2016284311 2017426883 2018384633 2019283808	2015382376 2015391685 2018372109 2020200427 2020202181 2020202681
<b><u>A23K 50 /-</u></b>	<b><u>A47L 13 /-</u></b>	<b><u>A61J 1 /-</u></b>	2017211260	<b><u>A61K 9 /-</u></b>	
2017211260	2016389266	2016324024		2016258179 2016284311 2016284935 2017225927 2018372768 2019208152 2019257362	
<b><u>A23L 11 /-</u></b>	<b><u>A47L 5 /-</u></b>		2019250259	<b><u>A61L 15 /-</u></b>	
2019271991	2019250259			2017231022	
<b><u>A23L 2 /-</u></b>	<b><u>A61B 1 /-</u></b>		2019268170	<b><u>A61L 2 /-</u></b>	
2017207029 2018216742	2019268170				
	<b><u>A61B 17 /-</u></b>				

Applications Accepted - IPC Index cont'd

<b><u>A61P 11 /-</u></b>	2018275359 2019257362 2016236172 2017281439 2019208152 2020202681	<b><u>A63B 69 /-</u></b>	<b><u>B01J 21 /-</u></b>	<b><u>B08B 17 /-</u></b>	<b><u>B60L 15 /-</u></b>
		2016252283 2018363020	2018290770	2016269593 2016281190	2016341489
	<b><u>A61P 37 /-</u></b>	<b><u>A63B 71 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B08B 7 /-</u></b>	<b><u>B60L 3 /-</u></b>
		2016252283 2018363020	2016365408	2016269593	2016341489
<b><u>A61P 13 /-</u></b>	2015339507 2016239858 2016250570 2016371014 2020202681	<b><u>A63F 13 /-</u></b>	<b><u>B01J 35 /-</u></b>	<b><u>B21D 28 /-</u></b>	<b><u>B60P 1 /-</u></b>
		2019203409	2018290770	2018282259	2018287143
<b><u>A61P 15 /-</u></b>	<b><u>A61P 39 /-</u></b>	<b><u>A63G 31 /-</u></b>	<b><u>B01J 37 /-</u></b>	<b><u>B22F 1 /-</u></b>	<b><u>B60R 13 /-</u></b>
		2018290770	2018290770	2018400808	2018287143
<b><u>A61P 17 /-</u></b>	2016226072 2017211464	2018363020	<b><u>B01J 8 /-</u></b>	<b><u>B22F 9 /-</u></b>	<b><u>B60R 22 /-</u></b>
	<b><u>A61P 43 /-</u></b>	<b><u>B01D 11 /-</u></b>	2016231798 2016365408	2018400808	2016338937
2016284935 2019208177 2019279946 2019394837	2015368496 2018346770	2016210045 2016223189 2018412839	<b><u>B01L 3 /-</u></b>	<b><u>B25B 15 /-</u></b>	<b><u>B60S 9 /-</u></b>
<b><u>A61P 19 /-</u></b>	<b><u>A61P 5 /-</u></b>	<b><u>B01D 21 /-</u></b>	2017348913 2017384140	2016308839	2017200699
		<b><u>B01D 25 /-</u></b>	<b><u>B02C 13 /-</u></b>	<b><u>B25B 23 /-</u></b>	<b><u>B61L 25 /-</u></b>
2016301380 2017211464 2020200427 2020202681	2020203450	2016335122	2020201119	2016308839 2019246849	2018300582
<b><u>A61P 25 /-</u></b>	<b><u>A61P 7 /-</u></b>	<b><u>B01D 29 /-</u></b>	<b><u>B02C 2 /-</u></b>	<b><u>B25J 9 /-</u></b>	<b><u>B61L 27 /-</u></b>
	2015343375	2018297608	2016394837	2018396085	2018353633
2016209255 2016343633 2018255221 2019206950 2019253841 2019271964 2020202681 2021202957	<b><u>A61P 9 /-</u></b>	<b><u>B01D 29 /-</u></b>	<b><u>B03C 1 /-</u></b>	<b><u>B28C 5 /-</u></b>	<b><u>B61L 3 /-</u></b>
	2015289613 2017211464 2020200427 2020204341	2018396110 2020230351	2019202508	2016425427	2018300582
<b><u>A61P 27 /-</u></b>	<b><u>A61Q 11 /-</u></b>	<b><u>B01D 3 /-</u></b>	<b><u>B04B 1 /-</u></b>	<b><u>B29B 13 /-</u></b>	<b><u>B62D 37 /-</u></b>
		2018286407	2016335122	2016231798	2019370153
2017426883 2018384633	2017426883 2018384633	<b><u>B01D 35 /-</u></b>	<b><u>B04B 11 /-</u></b>	<b><u>B29B 9 /-</u></b>	<b><u>B62D 57 /-</u></b>
2019208152	<b><u>A61Q 19 /-</u></b>	2018396110 2020230351	2016335122	2016231798	2020202949
<b><u>A61P 29 /-</u></b>	2016226072 2016284311 2019283808	<b><u>B01D 37 /-</u></b>	<b><u>B04B 15 /-</u></b>	<b><u>B29C 35 /-</u></b>	<b><u>B63B 21 /-</u></b>
		2018396110	2016335122	2016231798	2018368626
2015382376 2017344103	<b><u>A62B 35 /-</u></b>	<b><u>B01D 39 /-</u></b>	<b><u>B04B 5 /-</u></b>	<b><u>B29C 53 /-</u></b>	<b><u>B63B 22 /-</u></b>
<b><u>A61P 3 /-</u></b>		2018290714	2016335122	2015238917	2019253870
2016232191 2018372109 2020200427 2020201450 2020203450	<b><u>A62C 3 /-</u></b>	<b><u>B01D 46 /-</u></b>	<b><u>B05B 1 /-</u></b>	<b><u>B31F 1 /-</u></b>	<b><u>B63B 34 /-</u></b>
	2018381090	2018290714	2016228456	2018253297	2019203211
<b><u>A61P 31 /-</u></b>	<b><u>A63B 21 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B05B 5 /-</u></b>	<b><u>B41F 27 /-</u></b>	<b><u>B63B 35 /-</u></b>
	2016252283 2019340345	2018370022	2016380362	2018253297	2018368626 2019253870
2017245679 2017280065 2017290755 2017343643	<b><u>A63B 22 /-</u></b>	<b><u>B01D 61 /-</u></b>	<b><u>B05D 1 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B63B 59 /-</u></b>
	2016252283	2015394631	2016281190	2017426456	2016269593
<b><u>A61P 35 /-</u></b>	<b><u>A63B 24 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B05D 3 /-</u></b>	<b><u>B42D 25 /-</u></b>	<b><u>B63H 16 /-</u></b>
	2016252283	2018396110	2016351659	2016262151 2016351659	2019203211
2015368496 2016301380 2017234681 2017269335 2017277734 2017281439 2017286379 2017344103	<b><u>A63B 35 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B05D 5 /-</u></b>	<b><u>B60B 39 /-</u></b>	<b><u>B63H 20 /-</u></b>
	2018363020	2016231798 2017269945	2016232772 2016281190 2016351659	2019240591	2020201294
					<b><u>B63H 5 /-</u></b>
					2019203211

Applications Accepted - IPC Index cont'd

<b><u>B64D 17 /-</u></b>	<b><u>C01B 17 /-</u></b>	<b><u>C04B 7 /-</u></b>	<b><u>C07D 235 /-</u></b>	2017205167 2019226283 2020203450	<b><u>C07K 16 /-</u></b>
2016343967	2019207867	2016377393	2017363337		2015289613 2015318036 2015327819 2015339507 2015369854 2016219534 2016239858 2017216213 2018255221 2018275359 2018290228 2019202508 2019203780 2019204933 2019210662 2019246781 2019257362 2019279946 2020202681
<b><u>B64D 27 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C05G 3 /-</u></b>	<b><u>C07D 239 /-</u></b>	<b><u>C07D 471 /-</u></b>	
2016256682	2016365408 2019262098	2019246803	20192226283	2016343633 2016371014 2017266291 2017286379 2017290755 2018372109 2020204341	
<b><u>B64D 41 /-</u></b>	<b><u>C01F 17 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 241 /-</u></b>		
2016256682	2017215811	2016309967	2016371014		
<b><u>B65D 21 /-</u></b>	<b><u>C01G 13 /-</u></b>	<b><u>C07C 201 /-</u></b>	<b><u>C07D 249 /-</u></b>		
2017204872	2016223189	2018372768	2017281439	<b><u>C07D 475 /-</u></b>	
<b><u>B65D 43 /-</u></b>	<b><u>C01G 49 /-</u></b>	<b><u>C07C 215 /-</u></b>	<b><u>C07D 253 /-</u></b>	2017343643	
2017204872	2017215811	2018372109	2017231824	<b><u>C07D 487 /-</u></b>	
<b><u>B65D 85 /-</u></b>	<b><u>C01G 53 /-</u></b>	<b><u>C07C 227 /-</u></b>	<b><u>C07D 265 /-</u></b>		
2016286168 2016366714 2017204872	2019331801	2018267358	2017294391	2016371014 2017277734 2017286379 2020202600	<b><u>C07K 19 /-</u></b>
<b><u>B65D 88 /-</u></b>	<b><u>C01G 9 /-</u></b>	<b><u>C07C 229 /-</u></b>	<b><u>C07D 277 /-</u></b>		2016301380 2019257362
2020203153	2017215811	2018267358	2017245679	<b><u>C07D 489 /-</u></b>	
<b><u>B65G 15 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07C 235 /-</u></b>	<b><u>C07D 301 /-</u></b>	2018203033	<b><u>C07K 2 /-</u></b>
2018413069	2015394631 2016210045	2019206950	2017286055	<b><u>C07D 495 /-</u></b>	2015317864
<b><u>B65G 47 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07C 25 /-</u></b>	<b><u>C07D 303 /-</u></b>	2017277734	<b><u>C07K 7 /-</u></b>
2016203614	2016210045	2018241298	2017286055	<b><u>C07D 513 /-</u></b>	2017227777 2019200921 2020202681
<b><u>B66B 1 /-</u></b>	<b><u>C02F 11 /-</u></b>	<b><u>C07C 259 /-</u></b>	<b><u>C07D 311 /-</u></b>	2020201450	
2018298657	2016238748 2016273354	2017363337	2017234681	<b><u>C07D 519 /-</u></b>	<b><u>C08B 31 /-</u></b>
<b><u>B66B 11 /-</u></b>	<b><u>C03C 17 /-</u></b>	2019206950	<b><u>C07D 401 /-</u></b>	2020202181	2016340267
2020201467	2016232772	<b><u>C07C 33 /-</u></b>	2016371014 2016377785 2017205167 2017235462 2017266291 2017281439 2017342051 2019226283	<b><u>C07F 9 /-</u></b>	<b><u>C08F 2 /-</u></b>
<b><u>B66B 15 /-</u></b>	<b><u>C04B 103 /-</u></b>	2017325856	<b><u>C07D 403 /-</u></b>	2017211464 2017231824 2017245679	2017259457
2020201467	2016377393	<b><u>C07C 39 /-</u></b>		<b><u>C07H 15 /-</u></b>	<b><u>C08F 230 /-</u></b>
<b><u>B66C 23 /-</u></b>	<b><u>C04B 18 /-</u></b>	2017344103	<b><u>C07D 405 /-</u></b>	2017325856 2019271964	2017259457 2018384633
2017200699	2019324581	<b><u>C07C 69 /-</u></b>	2016377785 2017269335 2019226283	<b><u>C07H 19 /-</u></b>	<b><u>C08F 251 /-</u></b>
<b><u>B66F 3 /-</u></b>	<b><u>C04B 20 /-</u></b>	2016309967		2017343643	2016340267
2017200699	2017331372	<b><u>C07D 209 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08F 30 /-</u></b>
<b><u>B66F 7 /-</u></b>	<b><u>C04B 22 /-</u></b>	2017269335	2016371014 2016377785 2019214694	2014366839 2017343643 2019201052 2019202343	2018384633
2017200699	2016377393 2019324581	<b><u>C07D 211 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08F 4 /-</u></b>
<b><u>B67D 1 /-</u></b>	<b><u>C04B 24 /-</u></b>	2019206950	20192226283		2017259457
2018378697	2016377393	<b><u>C07D 213 /-</u></b>		2016239858 2016293487 2016301380 2017216213 2017280065 2018221731 2018271326 2019210662 2019257362	<b><u>C08F 8 /-</u></b>
<b><u>B82Y 20 /-</u></b>	<b><u>C04B 28 /-</u></b>	2017266291 2019206950 2019214694	<b><u>C07D 413 /-</u></b>		2018384633
2016342029	2017331372 2019324581	<b><u>C07D 217 /-</u></b>	2016371014 2019226283		<b><u>C08G 18 /-</u></b>
<b><u>C01B 13 /-</u></b>	<b><u>C04B 40 /-</u></b>	2017266291	<b><u>C07D 417 /-</u></b>		2016376643
2017215811	2017320226		2016371014		<b><u>C08G 59 /-</u></b>
					2017320226

Applications Accepted - IPC Index cont'd

<b><u>C08G 63 /-</u></b>	2017257491 2018216890	2015327836 2015368496 2016239858 2016293487 2018236568 2018250483 2018264152 2018271326 2018276723 2018346770 2019201052 2019202340 2019203780 2019204933 2019246912 2019246914 2020202681	<b><u>C22B 1 /-</u></b>	2019246100	<b><u>E06B 7 /-</u></b>
2017342051	<b><u>C10G 21 /-</u></b>		2018303510 2019331801	<b><u>E02F 5 /-</u></b>	2020223654 2020328682
<b><u>C08G 69 /-</u></b>	20162223189		<b><u>C22B 23 /-</u></b>	2016207258	<b><u>E21B 10 /-</u></b>
2019271964	<b><u>C10G 29 /-</u></b>		2019331801	<b><u>E02F 9 /-</u></b>	2020201994
<b><u>C08J 3 /-</u></b>	20162223189		<b><u>C22B 26 /-</u></b>	2016267252 2019227672	<b><u>E21B 19 /-</u></b>
2017231022	<b><u>C10L 5 /-</u></b>		2018412839	<b><u>E03C 1 /-</u></b>	2019219739
<b><u>C08K 3 /-</u></b>	2019347405		<b><u>C22B 3 /-</u></b>	2016228456	<b><u>E21B 33 /-</u></b>
2017213599	<b><u>C10L 9 /-</u></b>		2018412839 2019331801	<b><u>E03F 3 /-</u></b>	2015413284 2015414475 2016336925 2016425427 2018385461 2019216397
<b><u>C08K 5 /-</u></b>	2016273354		<b><u>C22B 43 /-</u></b>	2016207258	
2016303039	<b><u>C11B 1 /-</u></b>	<b><u>C12N 5 /-</u></b>	2016223189	<b><u>E04B 9 /-</u></b>	
<b><u>C08L 5 /-</u></b>	2014366839	2015235922 2015237951 2015247323 2016242967 2016342015 2016362508 2019202508 2020202681	<b><u>C22B 59 /-</u></b>	2017417515	<b><u>E21B 34 /-</u></b>
2017231022	<b><u>C11C 1 /-</u></b>		2018303510	<b><u>E04C 3 /-</u></b>	2016313234
<b><u>C08L 61 /-</u></b>	2016293487		<b><u>C23C 14 /-</u></b>	2016332619	<b><u>E21B 35 /-</u></b>
2017233432	<b><u>C11D 17 /-</u></b>		2016232772	<b><u>E04F 13 /-</u></b>	2019219739
<b><u>C08L 63 /-</u></b>	2019223672 2019225946	<b><u>C12N 9 /-</u></b>	<b><u>C23F 11 /-</u></b>	2018387391	<b><u>E21B 36 /-</u></b>
2017320226	<b><u>C11D 3 /-</u></b>	2015247323 2015324564 2019200192	2017257491	<b><u>E04F 15 /-</u></b>	2019219739
<b><u>C08L 67 /-</u></b>	2016389266 2019223672 2019225946	<b><u>C12P 19 /-</u></b>	<b><u>C40B 30 /-</u></b>	2016282948	<b><u>E21B 41 /-</u></b>
2019236705	<b><u>C11D 7 /-</u></b>	2017244707 2018264152 2019201052	2019200921	<b><u>E04F 19 /-</u></b>	2016336925
<b><u>C08L 89 /-</u></b>	2016389266		<b><u>C40B 40 /-</u></b>	2017417515	<b><u>E21B 43 /-</u></b>
2017233432	<b><u>C12C 11 /-</u></b>	<b><u>C12P 21 /-</u></b>	2018236568 2019200921	<b><u>E04H 17 /-</u></b>	2015409590 2019216397 2019219739
2017233432	<b><u>C12C 11 /-</u></b>		<b><u>D06F 23 /-</u></b>	2016312976 2017203645	
<b><u>C09C 1 /-</u></b>	2018378697	2015237951 2018236568 2019202343	2019236741	<b><u>E05B 15 /-</u></b>	<b><u>E21B 44 /-</u></b>
2017213599	<b><u>C12C 13 /-</u></b>		<b><u>D06F 37 /-</u></b>	2016206377	2019219739
<b><u>C09C 3 /-</u></b>	2018378697	<b><u>C12P 7 /-</u></b>	2019204618 2019236741	<b><u>E05B 17 /-</u></b>	<b><u>E21B 47 /-</u></b>
2017213599	<b><u>C12M 1 /-</u></b>	2015263044 2017244707	<b><u>D06F 39 /-</u></b>	2016222285	2015414475 2016404458
<b><u>C09D 183 /-</u></b>	2016276251 2018276723 2018396110	<b><u>C12Q 1 /-</u></b>	2019204618	<b><u>E05B 3 /-</u></b>	<b><u>E21C 25 /-</u></b>
2016232772	<b><u>C12N 1 /-</u></b>	2015209103 2015219110 2015222802 2015259024 2015308620 2015368496 2016223532 2016242967 2017342051 2018346770	<b><u>D21D 1 /-</u></b>	2016222285	2016259437
<b><u>C09D 5 /-</u></b>	2015263044 2015324564 2016209132 2016293487 2016297929		2020201119	<b><u>E05B 63 /-</u></b>	<b><u>E21C 27 /-</u></b>
2016281190	<b><u>C12N 1 /-</u></b>		<b><u>E01C 19 /-</u></b>	2016222285	2016203614
<b><u>C09D 7 /-</u></b>	2015263044 2015324564 2016209132 2016293487 2016297929		2016207258	<b><u>E05B 65 /-</u></b>	<b><u>E21C 41 /-</u></b>
2017213599	<b><u>C12N 13 /-</u></b>		<b><u>E02B 17 /-</u></b>	2016222285	2016259437
<b><u>C09J 175 /-</u></b>	2018276723 2019202508	<b><u>C12R 1 /-</u></b>	2016269593	<b><u>E05D 3 /-</u></b>	<b><u>F02B 25 /-</u></b>
2016376643	<b><u>C12N 15 /-</u></b>	2016297929	<b><u>E02B 8 /-</u></b>	2018356940	2018218333
<b><u>C09K 5 /-</u></b>	2014366839 2015237951 2015247323 2015324564	<b><u>C13K 1 /-</u></b>	2016361466	<b><u>E05F 11 /-</u></b>	<b><u>F02B 33 /-</u></b>
2018305892	<b><u>C12N 15 /-</u></b>	2017244707	<b><u>E02F 3 /-</u></b>	2020328682	2018218333
<b><u>C09K 8 /-</u></b>	2014366839 2015237951 2015247323 2015324564		2016207258 2019227672	<b><u>E05F 15 /-</u></b>	<b><u>F02B 75 /-</u></b>
2015409590 2015413284				2020328682	2018218333

Applications Accepted - IPC Index cont'd

<b>F02D 19 /-</b>	2019204932	<b>F25B 1 /-</b>	<b>G01C 21 /-</b>	<b>G01N 30 /-</b>	2016232772
2019262098	<b>F16L 3 /-</b>	2017416002	2016214109	2016380362	<b>G02B 21 /-</b>
<b>F02M 21 /-</b>	2017203645	2018329314	2018388686	<b>G01N 33 /-</b>	2017220648
2019262098	<b>F16L 33 /-</b>	<b>F25B 13 /-</b>	2020203551	2015262399	<b>G02B 27 /-</b>
<b>F02M 25 /-</b>	2020201103	2018329314	<b>G01D 1 /-</b>	2015308620	2016267275
2019262098	<b>F16L 37 /-</b>	<b>F25B 41 /-</b>	2016361466	2015317864	<b>G02B 6 /-</b>
<b>F02M 69 /-</b>	2020201103	2018329314	<b>G01F 23 /-</b>	2016242967	2017206806
2018218333	<b>F16L 59 /-</b>	<b>F25D 19 /-</b>	2016361466	2016276251	2019279919
<b>F03D 7 /-</b>	2019236677	2020200640	<b>G01F 9 /-</b>	2016295759	<b>G03B 17 /-</b>
2018410878	2020200640	2019236677	<b>G01J 1 /-</b>	2016303039	2017220648
<b>F04C 14 /-</b>	<b>F16N 17 /-</b>	2020200640	2016361466	2017227777	<b>G05B 11 /-</b>
2016336925	2016336925	<b>F25D 21 /-</b>	2016340222	2017234681	2019216587
<b>F04D 13 /-</b>	<b>F17C 7 /-</b>	2016200099	<b>G01J 3 /-</b>	2017348913	<b>G05B 19 /-</b>
2016336925	2018322410	<b>F25D 23 /-</b>	2019264883	2017384140	2018288650
<b>F04D 25 /-</b>	<b>F21V 23 /-</b>	2016200099	<b>G01K 11 /-</b>	2018207048	<b>G05B 23 /-</b>
2019250259	2016306607	2019222923	2016321354	2018269398	2018288650
<b>F04D 29 /-</b>	<b>F21W 131 /-</b>	2019236677	<b>G01K 17 /-</b>	2019200921	<b>G05D 1 /-</b>
2019250259	2016306607	2020200142	<b>G01K 3 /-</b>	2019202508	2019226187
<b>F16B 23 /-</b>	<b>F21Y 115 /-</b>	2020200581	2016321354	2019240567	2020201294
2016308839	2016306607	2020200640	<b>G01K 17 /-</b>	2019271964	<b>G05D 7 /-</b>
<b>F16G 15 /-</b>	<b>F22B 1 /-</b>	<b>F25J 1 /-</b>	2016321354	2019279946	2016228456
2018300342	2018322410	2016321197	<b>G01N 1 /-</b>	<b>G01N 35 /-</b>	<b>G05F 1 /-</b>
<b>F16K 1 /-</b>	<b>F23G 5 /-</b>	2019204704	2015308620	2020217321	2019275559
2016324914	2016306607	<b>F25J 3 /-</b>	2018207048	<b>G01P 15 /-</b>	<b>G05G 1 /-</b>
<b>F16K 27 /-</b>	<b>F23G 7 /-</b>	2016321197	2019392985	<b>G01Q 30 /-</b>	2020201294
2017348339	2016273354	<b>F28D 20 /-</b>	2020217321	2015308620	<b>G05D 7 /-</b>
<b>F16K 3 /-</b>	<b>F23H 3 /-</b>	<b>F28D 7 /-</b>	<b>G01N 15 /-</b>	<b>G01R 31 /-</b>	2016228456
2017348339	2015398478	2019207867	2016301104	2016270351	<b>G05F 1 /-</b>
<b>F16K 31 /-</b>	<b>F24C 15 /-</b>	<b>F28F 19 /-</b>	<b>G01S 13 /-</b>	2018302946	2019275559
2016228456	2016281190	2019207867	2019226384	<b>G01R 33 /-</b>	<b>G05G 1 /-</b>
2018385461	<b>F24F 13 /-</b>	<b>F28F 9 /-</b>	<b>G01S 15 /-</b>	2016301104	2020201294
<b>F16K 5 /-</b>	2020223654	2019207867	<b>G01S 7 /-</b>	<b>G01T 1 /-</b>	<b>G06F 11 /-</b>
2020230351	<b>F24F 7 /-</b>	<b>F41J 5 /-</b>	2020202411	2019226384	2020202916
<b>F16L 15 /-</b>	2020223654	2016355917	2020220206	<b>G01S 15 /-</b>	<b>G06F 13 /-</b>
2018363846	<b>F24F 13 /-</b>	<b>F41J 7 /-</b>	<b>G01V 1 /-</b>	2020202411	2019204252
<b>F16L 17 /-</b>	2020223654	2016355917	2016247164	<b>G01S 7 /-</b>	<b>G06F 16 /-</b>
2019204932	<b>F24S 50 /-</b>	<b>F41J 9 /-</b>	2015354412	2020202411	2015360472
<b>F16L 21 /-</b>	2018297172	<b>F42B 1 /-</b>	2016367011	2020220206	2016271617
		2018282259	<b>G01N 21 /-</b>	<b>G01V 3 /-</b>	2016328959
		<b>F42B 3 /-</b>	2017234681	2016247164	2018397571
			2017348913	<b>G01V 5 /-</b>	2019366858
			2019264883	<b>G02B 1 /-</b>	2019425530
			<b>G01N 23 /-</b>		<b>G06F 17 /-</b>
			2015354412		2016361466
			<b>G01N 24 /-</b>		2019204384
			2016367011		
			<b>G01N 27 /-</b>		
			2016295759		
			2016380362		
			2018269398		
			2019240251		
			<b>G01N 3 /-</b>		
			2018225203		
			2016340222		
			2016369460		
			2017295738		

Applications Accepted - IPC Index cont'd

2018279295	2016228958	<b><u>G09B 23 /-</u></b>	2019360423		<b><u>H04L 29 /-</u></b>
2018347199	2017225016			<b><u>H02J 7 /-</u></b>	2017295738
2019425530	2018288650	2018318791	<b><u>H01F 6 /-</u></b>		2018328182
2020201558				2019213372	2018357503
<b><u>G06F 3 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>G09B 9 /-</u></b>	2019360423	2019229401	2019206006
	2014321134	2018318791	<b><u>H01G 11 /-</u></b>	2021203245	2019378764
2016296579	2016354889			<b><u>H02K 1 /-</u></b>	2019391798
2017200305	2017206289	<b><u>G09F 9 /-</u></b>	2016342029		2019425530
2019213372	2017233723	2018318989	<b><u>H01H 21 /-</u></b>	2017202163	2020201558
2020202916	2017300877			2020201467	2020220160
<b><u>G06F 7 /-</u></b>	2018391957	<b><u>G10L 13 /-</u></b>	2017423233	<b><u>H02K 13 /-</u></b>	<b><u>H04L 5 /-</u></b>
	2018410912	2020203038	<b><u>H01H 7 /-</u></b>	2017202163	2017237819
2015343400	2019218894	<b><u>G10L 15 /-</u></b>	2018403173	<b><u>H02K 3 /-</u></b>	2018330212
<b><u>G06F 9 /-</u></b>	2020267143	2020203038	<b><u>H01J 49 /-</u></b>	2020200619	<b><u>H04L 9 /-</u></b>
	<b><u>G07D 11 /-</u></b>				2018328182
2018301289	2019383467	<b><u>G10L 19 /-</u></b>	2016380362	<b><u>H02K 5 /-</u></b>	2018347199
2019257465		2016335090	<b><u>H01L 35 /-</u></b>	2017202163	2018391625
2020220160	<b><u>G07D 5 /-</u></b>	2019212843		2019250259	2020201558
<b><u>G06K 7 /-</u></b>	2019383467	<b><u>G10L 25 /-</u></b>	2017348339	2020200619	<b><u>H04M 1 /-</u></b>
	<b><u>G07D 7 /-</u></b>	2020202415	<b><u>H01M 10 /-</u></b>	<b><u>H02K 7 /-</u></b>	2017220648
2016228958	2016262151	<b><u>G11C 11 /-</u></b>	2016280285	2020328682	2018393399
<b><u>G06K 9 /-</u></b>	2019383467	2016349470	2019229401	<b><u>H02M 3 /-</u></b>	2019250246
	<b><u>G07D 9 /-</u></b>	<b><u>G11C 13 /-</u></b>	<b><u>H01M 50 /-</u></b>	2019226249	2020201558
2014321134	2019383467	2016349470	2015361134		2020202916
2016340222	<b><u>G08B 1 /-</u></b>	<b><u>G16H 10 /-</u></b>	<b><u>H01Q 1 /-</u></b>	<b><u>H02M 7 /-</u></b>	<b><u>H04M 19 /-</u></b>
2017233723	2020202916	2018392922	2019270825	2019226249	2020202916
2017254848	<b><u>G08B 23 /-</u></b>	2019204252	2020204168	<b><u>H02S 20 /-</u></b>	<b><u>H04M 3 /-</u></b>
2017300877	2020202916	<b><u>G16H 50 /-</u></b>	<b><u>H01Q 21 /-</u></b>	2018297172	2019250246
2018330840	<b><u>G08B 25 /-</u></b>	2018392922	2019270825	<b><u>H04B 1 /-</u></b>	<b><u>H04N 1 /-</u></b>
2018410912	2016270852	2018392922	<b><u>H01Q 5 /-</u></b>	2016250327	2018271418
2019204384	<b><u>G08B 3 /-</u></b>	2016361156	2017435282	2020286201	<b><u>H04N 19 /-</u></b>
2019218894	2020202916	<b><u>G21C 1 /-</u></b>	<b><u>H01Q 7 /-</u></b>	<b><u>H04B 5 /-</u></b>	2019212843
2020201558	<b><u>G08B 5 /-</u></b>	<b><u>G21C 19 /-</u></b>	2017435282	2018379798	2019218894
<b><u>G06N 20 /-</u></b>	2016341937	2016210045	<b><u>H01R 13 /-</u></b>		2020201377
	<b><u>G08B 6 /-</u></b>	<b><u>G21C 21 /-</u></b>	2015361134	<b><u>H04B 7 /-</u></b>	<b><u>H04N 21 /-</u></b>
2019366858	2020202916	2016361156	2016270643	2017212634	2017232207
<b><u>G06N 3 /-</u></b>	<b><u>G08B 17 /-</u></b>	<b><u>G21C 3 /-</u></b>	<b><u>H01R 25 /-</u></b>	2017247235	<b><u>H04N 7 /-</u></b>
	2020201294	2016361156	2019261827	2017274391	2018271418
2016226288	<b><u>G08G 1 /-</u></b>	<b><u>G21C 7 /-</u></b>	<b><u>H02B 1 /-</u></b>	<b><u>H04J 99 /-</u></b>	<b><u>H04Q 5 /-</u></b>
2018330840	2017400606	2016361156	2019261827	2017247235	2019216587
2019218894	2020202001	<b><u>G21C 3 /-</u></b>	<b><u>H02G 3 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04R 1 /-</u></b>
<b><u>G06N 99 /-</u></b>	<b><u>G08G 5 /-</u></b>	<b><u>G21D 3 /-</u></b>	2017423233	2017279481	2019222923
	2020200451	2016361156	<b><u>H02H 5 /-</u></b>	2018227806	<b><u>H04W 12 /-</u></b>
2017431764	<b><u>G09B 1 /-</u></b>	<b><u>H01F 27 /-</u></b>	2018403173	2019202203	2020201558
2018299815	2016244788	2019360423	<b><u>H02J 3 /-</u></b>	2019216727	<b><u>H04W 16 /-</u></b>
<b><u>G06Q 10 /-</u></b>		<b><u>H01F 41 /-</u></b>		2020202916	2019351797
			2018403173		
2019257465				<b><u>H04L 27 /-</u></b>	
<b><u>G06Q 20 /-</u></b>				2017237819	
				2017247235	
2019383467				2018296096	
2020201558					
<b><u>G06Q 50 /-</u></b>					
2018353633					
2019204252					
2020203551					
<b><u>G06T 1 /-</u></b>					
2017254848					
<b><u>G06T 19 /-</u></b>					

Applications Accepted - IPC Index cont'd

**H04W 24 /-**

2018238920

**H04W 36 /-**

2018247332  
2018366562  
2018366776  
2019261671  
2019351797

**H04W 48 /-**

2018238441  
2019261671

**H04W 52 /-**

2017274391  
2019257505

**H04W 60 /-**

2019261671

**H04W 72 /-**

2017247235  
2017274391  
2018296096  
2018369067

**H04W 74 /-**

2017247235  
2017274391

**H04W 84 /-**

2019261671

**H05B 33 /-**

2016341937

**H05B 47 /-**

2018371374

**H05H 1 /-**

2019370153

**H05K 7 /-**

2017348339  
2019226269

**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) Evolve Skateboards Pty Ltd  
(11) AU-B-2020104268  
(21) 2020104268 (22) 23.12.2020  
(54) ELECTRIC SKATEBOARDS  
(51) Int. Cl.  
A63C 17/01 ( 2006.01 )  
A63C 17/00 ( 2006.01 )  
A63C 17/12 ( 2006.01 )  
G08C 17/02 ( 2006.01 )  
H02K 7/116 ( 2006.01 )  
H02K 16/00 ( 2006.01 )  
H04W 4/30 ( 2018.01 )  
H04W 4/40 ( 2018.01 )  
(45) 01.07.2021  
(62) 2019264570  
(72) ANNING, Jeffrey  
(74) K&L Gates

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(71) Robovision Limited  
(11) AU-B-2020102734  
(21) 2020102734 (22) 15.10.2020  
(54) Play apparatus  
(51) Int. Cl.  
A63B 5/11 ( 2006.01 )  
A63B 71/02 ( 2006.01 )  
(45) 01.07.2021  
(62) PCT/GB2018/053589  
(72) Mann, Miles; Baylis, William; Lewis,  
Helena  
(74) Griffith Hack



**Numerical Index**

**2020102734** Robovision Limited  
**2020104268** Evolve Skateboards Pty Ltd

**IPC Index**

**A63B 5 /-**

2020102734

**A63B 71 /-**

2020102734

**A63C 17 /-**

2020104268

**G08C 17 /-**

2020104268

**H02K 16 /-**

2020104268

**H02K 7 /-**

2020104268

**H04W 4 /-**

2020104268

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Withdrawn**

- 2013359199 **Massachusetts Institute of Technology; The Broad Institute, Inc.; President and Fellows of Harvard College** ( JH Corporate Services Pty Ltd )
- 2013359262 **President and Fellows of Harvard College; The Rockefeller University; Massachusetts Institute of Technology; The Broad Institute, Inc.** ( JH Corporate Services Pty Ltd )
- 2016244241 **The Broad Institute, Inc.; President and Fellows of Harvard College; Massachusetts Institute of Technology** ( JH Corporate Services Pty Ltd )

**Patents Granted**

**Standard Patents**

2014227540	2014315183	2014356427	2014364180
2014364327	2015203106	2015203393	2015205965
2015205976	2015212394	2015217260	2015224399
2015242988	2015246095	2015258708	2015265884
2015269348	2015273443	2015275288	2015276800
2015279321	2015280362	2015290571	2015300779
2015301097	2015301550	2015311618	2015320164
2015320400	2015320850	2015324185	2015324239
2015328394	2015333543	2015335966	2015336363
2015339786	2015354844	2015357169	2015357338
2015358384	2015361987	2015362559	2015366134
2015371175	2015387704	2015390722	2015397129
2016200516	2016200593	2016201223	2016201934
2016201952	2016203734	2016204480	2016204952
2016204993	2016206965	2016208485	2016209711
2016213837	2016214996	2016216587	2016219331
2016220766	2016222463	2016223382	2016226006
2016228147	2016228894	2016228932	2016239338
2016240376	2016243219	2016245924	2016246105
2016255302	2016256791	2016263438	2016269605
2016269843	2016274498	2016280662	2016282963
2016286281	2016290828	2016290889	2016295058
2016295142	2016296723	2016297024	2016297989
2016298129	2016302005	2016303902	2016309337
2016310913	2016314624	2016316970	2016319063
2016322699	2016323165	2016324362	2016329200
2016332939	2016333526	2016333974	2016336030
2016339031	2016343719	2016343944	2016348133
2016349237	2016355323	2016355677	2016357413
2016365366	2016366308	2016366470	2016368439
2016368475	2016371907	2016376988	2016378754
2016387204	2016389384	2016391043	2016404531
2017200034	2017204039	2017205364	2017207932
2017211045	2017212648	2017218977	2017225876
2017230658	2017235798	2017238050	2017239030
2017246336	2017268213	2017268627	2017270933
2017274450	20172777971	2017278147	2017281348
2017284519	2017290407	2017294642	2017295817
2017298972	2017305754	2017307325	2017310348
2017311168	2017334457	2017337936	2017365639
2017375793	2017379024	2017380467	2017385579
2017388035	2017397569	2017405653	2017411905
2017412307	2017415611	2017416013	2017416198
2017423878	2017442703	2018204889	2018208160
2018216738	2018217495	2018219853	2018226053
2018236172	2018236657	2018237024	2018242864
2018244180	2018244677	2018246069	2018250262
2018250480	2018250793	2018259218	2018265089
2018267248	2018267289	2018267649	2018272289

**Patents Granted**

**Standard Patents**

2018277241	2018277678	2018278063	2018279017
2018279022	2018282187	2018282340	2018282376
2018282377	2018282451	2018283407	2018284386
2018285297	2018287509	2018290694	2018303672
2018307739	2018309245	2018312696	2018325302
2018325310	2018330638	2018337671	2018344767
2018347171	2018347375	2018350693	2018364982
2018365091	2018366119	2018367379	2018370898
2018374379	2018374385	2018378399	2018379499
2018383615	2018385555	2018389594	2018392213
2018393309	2018395811	2018402635	2018414055
2018418333	2018423071	2018429169	2019200392
2019200404	2019200530	2019200797	2019200957
2019200998	2019201183	2019201196	2019201385
2019201391	2019201494	2019201529	2019201900
2019202190	2019202232	2019202353	2019202381
2019202621	2019202660	2019202691	2019202777
2019202884	2019202962	2019203219	2019203301
2019203810	2019203935	2019203999	2019204186
2019204219	2019204305	2019204464	2019204581
2019204609	2019204964	2019205072	2019205210
2019206128	2019210524	2019210532	2019210556
2019210582	2019210622	2019213352	2019216687
2019216699	2019218517	2019219840	2019219850
2019221225	2019222624	2019222667	2019227889
2019229332	2019229365	2019229460	2019230754
2019235042	2019236665	2019243133	2019246839
2019246935	2019250251	2019250275	2019253907
2019257409	2019257479	2019257480	2019260382
2019261681	2019264515	2019264560	2019268111
2019268179	2019272034	2019273339	2019279668
2019280006	2019280009	2019280030	2019283182
2019283805	2019290457	2019316574	2019322492
2019363538	2019414088	2020200558	2020200691
2020200911	2020201093	2020201739	2020202421
2020202504	2020202565	2020202944	2020203164
2020203280	2020205331	2020211640	2020239630
2020257235	2020259803	2020266307	2020289758
2021200518			

**Innovation Patents**

2016102464	2018102214	2018102215	2019101796
2019101799	2019101802	2019101803	2020104426
2020104427	2020104429	2020104430	2020104431
2020104432	2021100784	2021101299	2021101302
2021101303	2021101305	2021101677	2021101869
2021101877	2021101938	2021101956	2021102077
2021102080	2021102101	2021102145	2021102184
2021102188	2021102287	2021102309	2021102312
2021102317	2021102336	2021102350	2021102369
2021102378	2021102386	2021102401	2021102403
2021102430	2021102435	2021102437	2021102438
2021102446	2021102457	2021102458	2021102463
2021102475	2021102476	2021102483	2021102484
2021102485	2021102486	2021102487	2021102488
2021102490	2021102491	2021102492	2021102493
2021102494	2021102495	2021102496	2021102497
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2021102506	2021102507	2021102508	2021102509
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2021102528	2021102530	2021102531	2021102532
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2021102545	2021102546	2021102547	2021102550
2021102552	2021102553	2021102555	2021102556
2021102558	2021102559	2021102561	2021102562
2021102563	2021102564	2021102565	2021102566
2021102568	2021102569	2021102570	2021102571

**Patents Granted**

**Innovation Patents**

2021102572	2021102573	2021102577	2021102578
2021102579	2021102580	2021102582	2021102584
2021102585	2021102590	2021102592	2021102593
2021102594	2021102596	2021102597	2021102598
2021102599	2021102600	2021102602	2021102603
2021102604	2021102607	2021102608	2021102609
2021102640			

**Assignments Registered**

2003207858 Thermage, Inc The patent has been assigned to **Solta Medical, Inc.**

2003210833 Thermage, Inc The patent has been assigned to **Solta Medical, Inc.**

2004226484 Thermage, Inc. The patent has been assigned to **Solta Medical, Inc.**

2004284842 Sunshine Heart Company Pty Ltd The patent has been assigned to **Nuwellis, Inc.**

2005291367 Constructions Industrielles De La Mediterranee - CN-IM The patent has been assigned to **CNIM Systèmes Industriels**

2006214567 Reliant Technologies, Inc. The patent has been assigned to **Solta Medical, Inc.**

2006242547 LipoSonix, Inc. The patent has been assigned to **Solta Medical, Inc.**

2009208982 Mediscis Technologies Corporation The patent has been assigned to **Solta Medical, Inc.**

2010300831 Liposonix, Inc. The patent has been assigned to **Solta Medical, Inc.**

2011211420 Reliant Technologies, Inc. The patent has been assigned to **Solta Medical, Inc.**

2011285928 Velicept Therapeutics, Inc. The patent has been assigned to **B3AR Therapeutics, Inc.**

2011318580 Vizuri Health Sciences LLC The patent has been assigned to **Technology Investments LC**

2012209052 Fero Group Pty Ltd The patent has been assigned to **DYWIDAG-Systems International Pty Limited**

2013355038 Siluria Technologies, Inc. The patent has been assigned to **LUMMUS TECHNOLOGY LLC**

2013359383 Once Innovations, Inc. The patent has been assigned to **Signify North America Corporation**

2014237406 Dunami, Inc. The patent has been assigned to **Babel Street, Inc**

2014302051 Dunami, Inc. The patent has been assigned to **Babel Street, Inc**

2015288232 Ventana Medical Systems, Inc.; Genentech, Inc.; Spring Bioscience Corporation The patent has been assigned to **Ventana Medical Systems, Inc.**

2015376145 Bardot Group The patent has been assigned to **AIS Bardot**

2016202145 Vizuri Health Sciences LLC The patent has been assigned to **Technology Investments LC**

**Assignments Registered**

2016425976 Lee, Jung Yeon; Fine DNC Co., Ltd. The patent has been assigned to **Fine DNC Co., Ltd.**

2018200079 Vizuri Health Sciences LLC The patent has been assigned to **Technology Investments LC**

2018203247 Once Innovations, Inc. The patent has been assigned to **Signify North America Corporation**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2015261046 **PTC Therapeutics Inc.; F. Hoffmann-La Roche AG**

The earliest first regulatory approval date provided by the patentee 02 Jun 2021

For the goods EVRYSDI risdiplam

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2009308465 **Array BioPharma Inc.**

The earliest first regulatory approval date provided by the patentee 07 Sep 2020

For the goods VITRAKVI larotrectinib

Extension of Term of patent pursuant to Section 77 expires on 21 Oct 2029

2015200511 **Array BioPharma Inc.**

The earliest first regulatory approval date provided by the patentee 07 Sep 2020

For the goods VITRAKVI larotrectinib

Extension of Term of patent pursuant to Section 77 expires on 21 Oct 2034

**Corrigenda**

In Vol 35 , No 14 , Page(s) 3248 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Otsuka Pharmaceutical Co., Ltd., Application No. 2019322713, under INID (72) add co-inventor IWATA, Fusako

In Vol 35 , No 21 , Page(s) 4416 under the heading **Provisional Applications Filed - Name Index** Under the name Servatus Ltd Application No. 2021901412, under INID (71) correct the applicant name to Lusty Tip Trailers Pty Ltd trading as Graham Lusty Trailers

In Vol 35 , No 22 , Page(s) 4808 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name uniQure IP B.V., Application No. 2019382824, under INID (54) correct the title to read Method and means to deliver miRNA to target cells

In Vol 35 , No 24 , Page(s) 5111 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name D. Western Therapeutics Institute, Inc., Application No. 2019402422, under INID (54) correct the title to read Novel form of Isoquinolinesulfonamide

**Corrigenda**

In Vol 35 , No 25 , Page(s) 5214 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2015** Delete all reference to 2015355142

In Vol 35 , No 25 , Page(s) 5292 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Safe Take Cash (Pty) Ltd. [-/ZA], Application No. 2019383035, under INID (71) correct the applicant name to Safe Take Cash (Pty) Ltd.

In Vol 35 , No 25 , Page(s) 5297 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name The Board Of Trustees Of the Leland Stanford Junior University, Application No. 2019403402, under INID (71) correct the applicant name to The Board of Trustees of the Leland Stanford Junior University.

In Vol 35 , No 4 , Page(s) 602 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy Of Sciences, Application No. 2019296850, under INID (71) correct the applicant name to Shanghai Institute of Materia Medica, Chinese Academy Of Sciences

In Vol 35 , No 4 , Page(s) 602 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Material Medica, Chinese Academy Of Sciences , Application No. 2019296851, under INID (71) correct the co-applicant name to Shanghai Institute of Materia Medica, Chinese Academy Of Sciences

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

- 2015376558 **Zhuhai Essex Bio-Pharmaceutical Co., Ltd.**
- 2017228252 **Intuit Inc.**
- 2019204862 **The Arizona Board of Regents on Behalf of the University of Arizona**
- 2019347770 **The Royal Istitution for the Advancement of Learning/McGill University**
- 2020201834 **ZeniMax Media Inc.**

**Section 105(1) Patents Act 1990 (Cth)**

**Advertisement pursuant to Part 34, Rule 34.41 of the Federal Court Rules 2011 (Cth)**

**Identity of Proceeding in which application was made:**

Federal Court of Australia  
New South Wales District Registry  
General Division  
No. NSD 183 of 2021

**Parties to Proceedings**

Novartis AG (First Applicant)

Novartis Pharmaceuticals Australia Pty Limited (ACN 004 244 162) (Second Applicant)

Pharmacor Pty Limited (ACN 121 020 835) (Respondent)

**Particulars of Amendments Sought:**

Novartis AG, the patentee of Australian Patent No. 2008310846 has sought an order under section 105(1) of the *Patents Act 1990* (Cth) directing that Australian Patent No. 2008310846 be amended:

in accordance with the Second Statement of Proposed Amendments lodged herewith.

**Address for service for party seeking amendments**

Clayton Utz  
Level 15, 1 Bligh Street  
Sydney NSW 2000  
Attn: John Collins

Any person intending to oppose the application who is not a party to the proceedings must, not later than 28 days after publication of this advertisement, give written notice of that intention to the Commissioner of Patents and to the persons who are parties to the proceedings.

Any person that gives notice of its intention to oppose the application must, not later than 35 days after publication of this advertisement, file and serve on the Commissioner of Patents and the parties to the proceedings its particulars of grounds of opposition to the application.



**ANNEXURE A**

AUSTRALIAN PATENT APPLICATION NO. 2008310846

NOVARTIS AG

SECOND STATEMENT OF PROPOSED AMENDMENTS

3. Cancel page 1 currently on file and substitute with new page 1 (as enclosed with a copy of the original page showing the nature/location of the proposed amendments).
4. Insert new page 1B.
5. Cancel claim pages currently on file and substitute with new claim pages 25 to 27 (as enclosed with a copy of the original claim pages showing the nature/location of the proposed amendments).



Compositions comprising sphingosine 1 phosphate (S1P) receptor modulators

The present invention relates to a composition comprising a sphingosine 1 phosphate (S1P) receptor modulator.

In particular, the present invention relates to stable compositions comprising a sphingosine 1 phosphate (S1P) receptor modulator suitable for use as a dosage form.

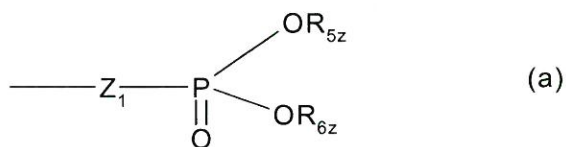
S1P receptor modulators are typically sphingosine analogues, such as 2-substituted 2-aminopropane- 1,3-diol or 2-amino-propanol derivatives, e. g. a compound comprising a group of formula Y.

In one aspect the present invention provides a stable blend comprising:

- (i) a compound selected from 2-amino-2-[2-(4-octylphenyl) ethyl]propane-1, 3-diol (FTY720) in free form or a pharmaceutically acceptable salt thereof, and FTY720phosphate,
- and
- (ii) one or more of the following excipients:
  - (a) Fillers selected from Lactose monohydrate, Lactose anhydrous, Maize starch, sorbitol, sucrose, Dibasic calcium phosphate, Maltodextrin and/or
  - (b) Binders selected from HPMC, L-HPC, Povidone, HPC and/or
  - (c) Disintegrants selected from Maize starch, Crospovidone, Croscarmellose sodium, Sodium carboxymethylstarch, pregelatinized starch and/or
  - (d) Lubricants selected from Hydrogenated castor oil, magnesium stearate, calcium stearate, zinc stearate, mineral oil, silicone fluid, sodium lauryl sulfate, L-leucine, sodium stearyl fumarate and/or
  - (e) Flow regulators selected from Colloidal silicone dioxide, Talc and/or



- 1B -



wherein  $Z_1$  is a direct bond or O, preferably O;

each of  $R_{5z}$  and  $R_{6z}$ , independently, is H, or  $C_{1-4}$ alkyl optionally substituted by 1, 2 or 3 halogen atoms;

$R_{1z}$  is OH, acyloxy or a residue of formula (a); and each of  $R_{2z}$  and  $R_{3z}$  independently, is H,  $C_{1-4}$ alkyl or acyl.

Group of formula Y is a functional group attached as a terminal group to a moiety which may be hydrophilic or lipophilic and comprise one or more aliphatic, alicyclic, aromatic and/or heterocyclic residues, to the extent that the resulting molecule wherein at least one



THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A stable blend comprising:
  - (i) a compound selected from 2-amino-2-[2-(4-octylphenyl) ethyl]propane-1,3-diol (FTY720) in free form or a pharmaceutically acceptable salt thereof, and FTY720-phosphate,  
and
  - (ii) one or more of the following excipients:
    - (a) Fillers selected from Lactose monohydrate, Lactose anhydrous, Maize starch, sorbitol, sucrose, Dibasic calcium phosphate, Maltodextrin  
and/or
    - (b) Binders selected from HPMC, L-HPC, Povidone, HPC  
and/or
    - (c) Disintegrants selected from Maize starch, Crospovidone, Croscarmellose sodium, Sodium carboxymethylstarch, pregelatinized starch  
and/or
    - (d) Lubricants selected from Hydrogenated castor oil, magnesium stearate, calcium stearate, zinc stearate, mineral oil, silicone fluid, sodium lauryl sulfate, L-leucine, sodium stearyl fumarate  
and/or
    - (e) Flow regulators selected from Colloidal silicone dioxide, Talc  
and/or
    - (f) Matrix formers selected from Hydroxypropyl methyl cellulose, Hydroxypropyl cellulose, Methyl cellulose, Ethyl cellulose, Pullulan, Starch, e.g. Pure Cote, Povidone  
and/or
    - (g) Plasticizers selected from PEG 400, Dibutyl sebacate, Sorbitol  
and/or
    - (h) Flavoring agents selected from Menthol, tutti frutti  
and/or
    - (i) Sweeteners selected from Sucralose, Sodium saccharine.
2. The blend of claim 1 wherein the one or more excipients are selected from Sorbitol, dicalcium phosphate, Lactose, HPMC, HPC, Crospovidone, croscarmellose sodium, starch, calcium silicate, colloidal silicone dioxide, talc and magnesium stearate.



3. The blend of claim 1 or claim 2, wherein the blend comprises a binary blend consisting of the compound and one excipient.
4. The blend of any one of claims 1 to 3, wherein the compound is FTY720.
5. The blend of claim 3 wherein the compound is FTY720 and the excipient is Lactose anhydrous.
6. The blend of claim 3 wherein the compound is FTY720 and the excipient is starch, e.g. maize starch, croscarmellose sodium, or sodium carboxymethylstarch.
7. The blend of claim 3 wherein the compound is FTY720 and the excipient is Microcrystalline cellulose, HPMC, HP-Cellulose.
8. The blend of claim 3 wherein the compound is FTY720 and the excipient is methyl cellulose, ethyl cellulose, pullulan, or povidone.
9. The blend of claim 3 wherein the compound is FTY720 and the excipient is hydrogenated ricinoleic oil.
10. The blend of any one of claims 1 to 9, wherein the level of impurities is not more than 4.5wt% and/or no more than 2wt% for an individual impurity.
11. The blend of any one of claims 1 to 10 for use as a pharmaceutical.
12. The blend according to any one of claims 1 to 10, for the preparation of a final formulation.
13. The blend according to any one of claims 1 to 10, for the preparation of a tablet or a capsule.
14. The use of the blend of any one of claims 1 to 10 for the manufacture of a medicament for the treatment of organ or tissue transplant rejection, graft versus host disease, autoimmune diseases, inflammatory conditions, viral myocarditis, viral diseases caused by viral myocarditis or cancers.



15. The use of the blend of any one of claims 1 to 10 in the preparation of a medicament for the treatment of an autoimmune disease, for example multiple sclerosis.
16. Method of treating organ or tissue transplant rejection, graft versus host disease, autoimmune diseases, inflammatory conditions, viral myocarditis, viral diseases caused by viral myocarditis or cancers comprising administering an effective amount of the blend of any one of claims 1 to 10 to a subject in need thereof.
17. Method of treating an autoimmune disease, for example multiple sclerosis, comprising administering an effective amount of the blend of any one of claims 1 to 10 to a subject in need thereof.
18. Blend according to claim 1 substantially as hereinbefore described with reference to any one of the examples.
19. Use according to claim 14 or claim 15 or method according to claim 16 or claim 17 substantially as hereinbefore described with reference to any one of the examples.
20. A stable blend comprising a binary blend consisting of 2-amino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol (FTY720) in free form, or a pharmaceutically acceptable salt thereof, and one excipient selected from Sorbitol, dicalcium phosphate, Lactose, HPMC, HPC, Crospovidone, croscarmellose sodium, starch, calcium silicate, colloidal silicone dioxide, talc and magnesium stearate.
21. The use of the blend of claim 20 in the preparation of a medicament for the treatment of multiple sclerosis.
22. Method of treating multiple sclerosis, comprising administering an effective amount of the blend of claim 20 to a subject in need thereof.

Compositions comprising sphingosine 1 phosphate (S1P) receptor modulators

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In particular, the present invention relates to stable compositions comprising a sphingosine 1 phosphate (S1P) receptor modulator suitable for use as a dosage form.

S1P receptor modulators are typically sphingosine analogues, such as 2-substituted 2-aminopropane- 1,3-diol or 2-amino-propanol derivatives, e. g. a compound comprising a group of formula Y.

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and

- (ii) one or more of the following excipients:

- (a) Fillers selected from Lactose monohydrate, Lactose anhydrous, Maize starch, sorbitol, sucrose, Dibasic calcium phosphate, Maltodextrin

and/or

- (b) Binders selected from HPMC, L-HPC, Povidone, HPC

and/or

- (c) Disintegrants selected from Maize starch, Crospovidone, Croscarmellose sodium, Sodium carboxymethylstarch, pregelatinized starch

and/or

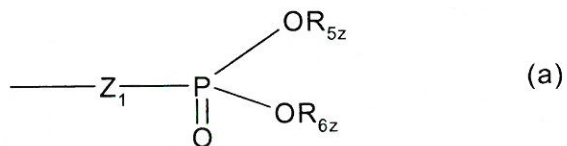
- (d) Lubricants selected from Hydrogenated castor oil, ~~Glycerol behenate,~~ magnesium stearate, calcium stearate, zinc stearate, mineral oil, silicone fluid, sodium lauryl sulfate, L-leucine, sodium stearyl fumarate

and/or

- (e) Flow regulators selected from Colloidal silicone dioxide, Talc

and/or

- 1B -



wherein  $Z_1$  is a direct bond or O, preferably O;

each of  $R_{5z}$  and  $R_{6z}$ , independently, is H, or  $C_{1-4}$ alkyl optionally substituted by 1, 2 or 3

halogen atoms;

$R_{1z}$  is OH, acyloxy or a residue of formula (a); and each of  $R_{2z}$  and  $R_{3z}$  independently, is H,

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Group of formula Y is a functional group attached as a terminal group to a moiety which may be hydrophilic or lipophilic and comprise one or more aliphatic, alicyclic, aromatic and/or heterocyclic residues, to the extent that the resulting molecule wherein at least one

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and
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    - (a) Fillers selected from Lactose monohydrate, Lactose anhydrous, Maize starch, sorbitol, sucrose, Dibasic calcium phosphate, Maltodextrin  
and/or
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and/or
    - (f) Matrix formers selected from Hydroxypropyl methyl cellulose, Hydroxypropyl cellulose, Methyl cellulose, Ethyl cellulose, Pullulan, Starch, e.g. Pure Cote, Povidone  
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2. The blend of claim 1 wherein the one or more excipients are selected from Sorbitol, dicalcium phosphate, Lactose, HPMC, HPC, Crospovidone, croscarmellose sodium, starch, calcium silicate, colloidal silicone dioxide, talc and magnesium stearate.
3. The blend of claim 1 or claim 2, wherein the ~~composition~~-blend comprises a binary blend consisting of the compound and one excipient.
4. The blend of any one of claims 1 to 3, wherein the compound is FTY720.
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9. The blend of claim 3 wherein the compound is FTY720 and the excipient is hydrogenated ricinoleic oil.
10. The blend of any one of claims 1 to 9, wherein the level of impurities is not more than 4.5wt% and/or no more than 2wt% for an individual impurity.
11. The blend of any one of claims 1 to 10 for use as a pharmaceutical.
12. The blend according to any one of claims 1 to 10, for the preparation of a final formulation.
13. The blend according to any one of claims 1 to 10, for the preparation of a tablet or a capsule.





14. The use of the blend of any one of claims 1 to 10 for the manufacture of a medicament for the treatment of organ or tissue transplant rejection, graft versus host disease, autoimmune diseases, inflammatory conditions, viral myocarditis, viral diseases caused by viral myocarditis or cancers.
15. The use of the blend of any one of claims 1 to 10 in the preparation of a medicament for the treatment of an autoimmune disease, for example multiple sclerosis.
16. Method of treating organ or tissue transplant rejection, graft versus host disease, autoimmune diseases, inflammatory conditions, viral myocarditis, viral diseases caused by viral myocarditis or cancers comprising administering an effective amount of the blend of any one of claims 1 to 10 to a subject in need thereof.
17. Method of treating an autoimmune disease, for example multiple sclerosis, comprising administering an effective amount of the blend of any one of claims 1 to 10 to a subject in need thereof.
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