



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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Editorial enquiries

Contact information

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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>
A) Provisional applications filed - Name Index		B) Complete applications filed - Name Index	
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>
C) Applications open to public inspection - Name Index		D) Applications accepted - Name Index	
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>
E) Patents Certified – Name Index	
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)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 9 Jul 2019 .

(71) 3E PANELS PTY LTD (21) 2019902438 (22) 09.07.2019 (54) STRUCTURAL WALL PANEL AND METHODS OF PRODUCTION	(71) Blastone International (Aust) Pty Ltd (21) 2019902480 (22) 12.07.2019 (54) A DEAD MAN CONTROL ARRANGEMENT	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2019902483 (22) 12.07.2019 (54) Controlling plant flowering
(71) Allegion (Australia) Pty Ltd (21) 2019902445 (22) 10.07.2019 (54) Latch assembly	(71) Bostech Drilling Australia Pty Ltd (21) 2019902457 (22) 11.07.2019 (54) RETURN EXHAUST ASSEMBLY FOR A REVERSE CIRCULATION HAMMER	(71) Cooke, P. (21) 2019902464 (22) 12.07.2019 (54) A weatherproofing system for a caravan
(71) Allegion (Australia) Pty Ltd (21) 2019902446 (22) 10.07.2019 (54) A lock body for a sliding door	(71) Bye, E. (21) 2019902467 (22) 12.07.2019 (54) home made ravioli machine, create fun shapes to cook and eat, family and kid friendly	(71) COS IPT PTY LTD (21) 2019902461 (22) 11.07.2019 (54) APPARATUS FOR STORING ORGANIC MATERIAL
(71) Anderson, M. (21) 2019902477 (22) 12.07.2019 (54) An engine	(71) Canasia Australia Pty Ltd (21) 2019902429 (22) 09.07.2019 (54) Waterproofing compositions and methods	(71) D&T&G Pty Ltd (21) 2019902447 (22) 10.07.2019 (54) A vacuum assembly
(71) ANKAme Pty Ltd (21) 2019902450 (22) 10.07.2019 (54) Ladder safety device	(71) CDA Health Pty Ltd (21) 2019902462 (22) 11.07.2019 (54) Pain Relieving Medication	(71) Deakin University (21) 2019902444 (22) 10.07.2019 (54) Aluminium alloys
(71) Argyle Energy Pty Ltd (21) 2019902453 (22) 10.07.2019 (54) AN ELECTRICAL GENERATOR AND MOTOR	(71) Chapman, P. (21) 2019902439 (22) 10.07.2019 (54) Improved Magnetic Compass Card	(71) Dish TV Technologies Limited (21) 2019902455 (22) 11.07.2019 (54) A system for collection and transport of readings from water usage meters
(71) Aucentra Therapeutics Pty Ltd (21) 2019902448 (22) 10.07.2019 (54) INHIBITORS OF PROTEIN KINASES	(71) Chemvet Australia Pty Ltd (21) 2019902471 (22) 12.07.2019 (54) Injectable Nutritional Supplement	(71) DOT DESIGN GROUP PTY LTD (21) 2019902441 (22) 10.07.2019 (54) Hang sell Stock limiter with POS holder
(71) Bajaboard International Pty Ltd (21) 2019902430 (22) 09.07.2019 (54) Skateboard Suspension	Columbia Australia see Benton, J. (21) 2019902466	(71) Ebokolo-Jecop, A.M. (21) 2019902404 (22) 06.07.2019 (54) Disposable Gallow sling for upper limb with adjustable straps(Velcro) and strings when patient is in a supine position. I
(71) Benton, J.; Columbia Australia (21) 2019902466 (22) 12.07.2019 (54) Tactile Ground Surface Indicator Packaging and Installation Tray	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2019902443 (22) 10.07.2019 (54) FLEXIBLE ELECTRICALLY CONDUCTING FABRIC SUBSTRATES	(71) El-Deeb, I.; Faragallah, S. (21) 2019902458 (22) 11.07.2019 (54) Adhesive pad

Provisional Applications Filed - Name Index cont'd

Faragallah, S. see El-Deeb, I.
(21) 2019902458

(71) Flatow, W.
(21) 2019902434 (22) 09.07.2019
(54) This invention implements GUIDs to generate unique keys suitable for encryption based on 2 inputs: 1. A GUID 2. A Security Code The invention implements complex number fractal mathematics to transform the inputs into an encryption key.

(71) Formcraft Pty Ltd
(21) 2019902435 (22) 09.07.2019
(54) A formwork element and a method of forming a building structure

(71) Forrest, F.
(21) 2019902433 (22) 09.07.2019
(54) Wall Mountable Holder

(71) Fortescue Metals Group Ltd
(21) 2019902486 (22) 12.07.2019
(54) Knuckle coupler

Furrow Pty Ltd see Kahl, A.
(21) 2019902492

(71) Gardner, A.
(21) 2019902465 (22) 12.07.2019
(54) Recyclable coffee cup.

(71) gibson, i.
(21) 2019902491 (22) 14.07.2019
(54) Strap Winder, small and portable device to be used as an attachment to a drill for the purpose of winding straps or the like.

(71) HUNTER PRODUCTS PTY LTD
(21) 2019902459 (22) 11.07.2019
(54) TOY KIT

(71) Imtrade Australia Pty Ltd
(21) 2019902440 (22) 10.07.2019
(54) Pesticide formulation

(71) IP Cornerstone Pty Ltd
(21) 2019902482 (22) 12.07.2019
(54) MINIMALLY INVASIVE TREATMENT OF OSTEOARTHRITIS AND OTHER CONDITIONS

(71) Kahl, A.; Furrow Pty Ltd
(21) 2019902492 (22) 14.07.2019
(54) Improved level sensing apparatus

(71) Lateral IP Pty Ltd
(21) 2019902436 (22) 09.07.2019
(54) Peptides and uses thereof

(71) Lateral IP Pty Ltd
(21) 2019902437 (22) 09.07.2019
(54) Peptides and uses thereof

(71) MAJIC BEAUTY PTY LTD
(21) 2019902484 (22) 12.07.2019
(54) Method and Apparatus for Provision of a Cosmetic Applicator

(71) Massey University
(21) 2019902472 (22) 12.07.2019
(54) SYNTHETIC CHROMATIN VACCINE

(71) McMahon, A.
(21) 2019902427 (22) 09.07.2019
(54) An Electronically Implemented Quotation Moderation and Comparison System

(71) Monash University
(21) 2019902468 (22) 12.07.2019
(54) Methods for making recombinant protein

(71) Moore, G.
(21) 2019902442 (22) 10.07.2019
(54) Mechanical Assembly

(71) NewSouth Innovations Pty Ltd; The Commonwealth of Australia represented by the Department of Defence
(21) 2019902432 (22) 09.07.2019
(54) Application and database migration to a blockchain environment

(71) NUMBRAY PTY LTD
(21) 2019902451 (22) 10.07.2019
(54) A HEADGEAR

(71) Oxford University Innovation Limited
(21) 2019902478 (22) 12.07.2019
(54) A method or system for identification of a causative mutation causing a phenotype of interest in a tested sample

(71) Patel, R.
(21) 2019902463 (22) 11.07.2019
(54) Meal Combo Calculator

(71) PHOSME PTY LTD
(21) 2019902488 (22) 12.07.2019
(54) An intelligent decorative LED lighting system.

(71) Pring, G.
(21) 2019902475 (22) 12.07.2019
(54) Improvements in or in relation to wall structures

(71) Rheem Australia Pty Limited
(21) 2019902469 (22) 12.07.2019
(54) An Impressed Current Anode and Integrating Temperature Averaging Sensor Assembly

(71) Saluda Medical Pty Ltd
(21) 2019902485 (22) 12.07.2019
(54) Monitoring a Quality of Neural Recordings

(71) Sayer, C.
(21) 2019902454 (22) 10.07.2019
(54) Multipurpose Handle and Workpiece Attachment Tool

(71) Schneider Electric (Australia) Pty Limited
(21) 2019902473 (22) 12.07.2019
(54) IMPROVEMENTS IN WIRING OF SURFACE MOUNTED ELECTRICAL OUTLETS AND SWITCH PLATES

(71) Sensibility Pty Ltd.
(21) 2019902460 (22) 11.07.2019
(54) AI BASED PHONE MICROSCOPY SYSTEM AND ANALYSIS METHOD

(71) SOUTORINE, M.; SUTURIN, V.
(21) 2019902470 (22) 12.07.2019
(54) A DEVICE FOR PERFORMING A COSMETIC PROCEDURE

(71) Speedpanel GP Pty Ltd
(21) 2019902476 (22) 12.07.2019
(54) Concrete

(71) Stocks, M.
(21) 2019902449 (22) 10.07.2019
(54) A SYSTEM, METHOD, COMPUTER PROGRAM, AND DATA SIGNAL FOR OPTIMISING THE MULTIPLICATION OF LARGE NUMERALS

(71) Stojadinovic, N.
(21) 2019902428 (22) 09.07.2019
(54) Submersible and Retrievable Buoy

SUTURIN, V. see SOUTORINE, M.
(21) 2019902470

(71) TAJ Australia Pty Ltd
(21) 2019902452 (22) 10.07.2019
(54) IMPROVED EDGE PROTECTION BRACKET, SYSTEM AND METHOD

Provisional Applications Filed - Name Index cont'd

(71) Technology Connections International
Pty Ltd
(21) 2019902479 (22) 12.07.2019
(54) VIBRATO CONTROL MECHANISM

**The Commonwealth of Australia represented by the Department of Defence see
NewSouth Innovations Pty Ltd**
(21) 2019902432

(71) The Field of Mars Pty Ltd
(21) 2019902487 (22) 12.07.2019
(54) A NOISE AND VIBRATION ATTENUATING LIFTING PLATFORM

(71) The University of Queensland
(21) 2019902474 (22) 12.07.2019
(54) Inorganic oxide particles for delivery of actives

(71) Velican, Z.
(21) 2019902490 (22) 13.07.2019
(54) Improvements to Space heaters

Williams, P. see Williams, B.
(21) 2019902431

(71) Williams, B.; Williams, P.
(21) 2019902431 (22) 09.07.2019
(54) Diaper Bag Holder

(71) Yeomans, A.
(21) 2019902481 (22) 12.07.2019
(54) METHOD OF AND APPARATUS FOR OBTAINING A SOIL SAMPLE

(71) Yianni, T.
(21) 2019902456 (22) 11.07.2019
(54) A portable container with releasable locking mechanism to hook into different locations

Numerical Index

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2019902486	Fortescue Metals Group Ltd		
2019902487	The Field of Mars Pty Ltd		
2019902488	PHOSME PTY LTD		
2019902490	Velican, Z.		
2019902491	gibson, i.		

Complete Applications Filed

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Applications listed below were processed through the Patent Office Canberra during the period ending 9 Jul 2019 .

. (*) Title not in Roman characters

. (**) Title not given

(71) A123 Systems, LLC
 (21) 2019204947 (22) 10.07.2019
 (54) HIGH POWER ELECTRODE MATERIALS
 (62) 2018204689

(71) A123 Systems, LLC
 (21) 2019204949 (22) 10.07.2019
 (54) HIGH POWER ELECTRODE MATERIALS
 (62) 2018204689

(71) Acceleron Pharma, Inc.
 (21) 2019204979 (22) 11.07.2019
 (54) ENDOGLIN POLYPEPTIDES AND USES THEREOF
 (62) 2017201711

(71) Accenture Global Solutions Limited
 (21) 2019204936 (22) 09.07.2019
 (54) INTELLIGENT DATA INGESTION SYSTEM AND METHOD FOR GOVERNANCE AND SECURITY
 (31) 201841026208 (32) 13.07.18 (33) IN 16/298,719 11.03.19 US

(71) Accenture Global Solutions Limited
 (21) 2019204976 (22) 11.07.2019
 (54) INTELLIGENT DATA INGESTION SYSTEM AND METHOD FOR GOVERNANCE AND SECURITY
 (31) 201841026208 (32) 13.07.18 (33) IN 16/298,719 11.03.19 US

(71) Accenture Global Solutions Limited
 (21) 2019204988 (22) 11.07.2019
 (54) DETERMINATION OF A RESPONSE TO A QUERY
 (31) 16/037,856 (32) 17.07.18 (33) US

(71) Accenture Global Solutions Limited
 (21) 2019205007 (22) 12.07.2019
 (54) DATA PROCESSING FOR COMPONENT FAILURE DETERMINATION
 (31) 16/037,770 (32) 17.07.18 (33) US

(71) Adimab, LLC
 (21) 2019204933 (22) 09.07.2019
 (54) Rationally designed, synthetic antibody libraries and uses therefor
 (62) 2017210614

(71) Airway Medical Innovations Pty Ltd
 (21) 2019204961 (22) 10.07.2019
 (54) Intubation device
 (62) 2017251785

(71) Allergan, Inc.
 (21) 2019204957 (22) 10.07.2019
 (54) Time released biodegradable or bio-erodible microspheres or microparticles suspended in a solidifying depot-forming injectable drug formulation
 (62) 2017258895

(71) Allergan Pharmaceuticals International Limited
 (21) 2019204915 (22) 09.07.2019
 (54) In vivo synthesis of elastic fiber
 (62) 2017204582

(71) Allergan Pharmaceuticals International Limited
 (21) 2019204972 (22) 11.07.2019
 (54) Regeneration of damaged tissue
 (62) 2014306362

(71) Amgen Inc.
 (21) 2019204980 (22) 11.07.2019
 (54) Human PAC1 antibodies
 (62) 2014228924

(71) Arbutus Biopharma Corporation
 (21) 2019204984 (22) 11.07.2019
 (54) Improved lipid formulation
 (62) 2017202702

(71) Aristocrat Technologies Australia Pty Limited
 (21) 2019204965 (22) 10.07.2019
 (54) RESIDUAL CREDITS IN A GAMING SYSTEM
 (62) 2018203209

(71) Becton, Dickinson and Company
 (21) 2019204928 (22) 09.07.2019
 (54) MASSIVELY PARALLEL SINGLE CELL ANALYSIS
 (62) 2014312208

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 (21) 2019204959

(71) Bedetti, G.; Bedetti, D.
 (21) 2019204959 (22) 10.07.2019
 (54) RESIDUAL CURRENT CIRCUIT BREAKER AND METHOD OF TESTING SAME
 (31) 2018902519 (32) 11.07.18 (33) AU

Beijing Friendship Hospital, Capital Medical University see Wuxi Hisky Medical Technologies Co., Ltd.
 (21) 2019204997

(71) Bellator Pty Ltd
 (21) 2019204956 (22) 10.07.2019
 (54) A METHOD OF INNOVATION
 (62) 2017204897

(71) BHP Innovation Pty Ltd
 (21) 2019204919 (22) 09.07.2019
 (54) Drill hole measurement apparatus
 (31) 2018902498 (32) 10.07.18 (33) AU

(71) BHP Innovation Pty Ltd
 (21) 2019204926 (22) 09.07.2019
 (54) A system node for detecting a faulty bearing of a conveyor
 (31) 2018902577 (32) 17.07.18 (33) AU

(71) Biosense Webster (Israel) Ltd.
 (21) 2019205023 (22) 12.07.2019
 (54) Left atrium shape reconstruction from sparse location measurements using neural networks
 (31) 62/711,814 (32) 30.07.18 (33) US

(71) Broadridge Financial Solutions, Inc.
 (21) 2019204923 (22) 09.07.2019
 (54) DATABASE-CENTERED COMPUTER NETWORK SYSTEMS AND COMPUTER-IMPLEMENTED METHODS FOR CRYPTOGRAPHICALLY-SECURED DISTRIBUTED DATA MANAGEMENT
 (62) 2018203718

(71) C.Y. O'Connor ERADE Village Foundation Inc.
 (21) 2019205006 (22) 12.07.2019
 (54) Methods and systems for measuring melting temperatures
 (62) 2015221851

Complete Applications Filed - Name Index cont'd

(71) Caterpillar Global Mining Europe GmbH (21) 2019205026 (22) 12.07.2019 (54) CABLE HANDLING SYSTEM FOR LONGWALL MINING MACHINES (31) 1811959.4 (32) 23.07.18 (33) GB	(71) CUP&CINO Kaffeesystem-Vertrieb GmbH & Co. KG (21) 2019204986 (22) 11.07.2019 (54) Coffee machine for preparation of a hot beverage (31) 18189304.1 (32) 16.08.18 (33) EP	(71) Fastbrick IP Pty Ltd (21) 2019205019 (22) 12.07.2019 (54) BOOM FOR MATERIAL TRANSPORT (62) 2017294795
(71) Caterpillar Underground Mining Pty Ltd (21) 2019205002 (22) 11.07.2019 (54) System and method for operating underground machines	(71) Deere & Company (21) 2019205967 (22) 15.07.2019 (54) Residue detection system (31) 16/057,273 (32) 07.08.18 (33) US	(71) Fenestration Solutions Australia Pty Ltd (21) 2019205018 (22) 12.07.2019 (54) Improvements in sash window systems (31) 2018902561 (32) 16.07.18 (33) AU
(71) Celgene CAR LLC (21) 2019204981 (22) 11.07.2019 (54) MK2 inhibitors and uses thereof (62) 2014238443	(71) Depuy Ireland Unlimited Company (21) 2019204987 (22) 11.07.2019 (54) Tibial trial system for a knee prosthesis (62) 2015202145	(71) Five Prime Therapeutics, Inc. (21) 2019204985 (22) 11.07.2019 (54) Method of treating conditions with antibodies that bind colony stimulating factor 1 receptor (CSF1R) (62) 2017203400
(71) Children's Medical Center Corporation (21) 2019204952 (22) 10.07.2019 (54) CYCLIC PROSAPOSIN PEPTIDES AND USES THEREOF (62) 2015235978	(71) Early Bird Marketplace Pty Ltd (21) 2019204870 (22) 06.07.2019 (54) System and method for connecting innovators with early adopters	(71) Fives Intralogistics S.p.A. Con Socio Unico (21) 2019204996 (22) 11.07.2019 (54) A destacker apparatus (31) 102018000007630 (32) 30.07.18 (33) IT
(71) Cleveron AS (21) 2019204998 (22) 11.07.2019 (54) A method and a device for fast entry and storage of parcels (31) 62/722,338 (32) 24.08.18 (33) US 16/206,322 30.11.18 US	(71) Ecochem Australia Pty Ltd (21) 2019205029 (22) 12.07.2019 (54) STARCH APPLICATOR SYSTEM CLEANING SYSTEM AND METHOD (31) 2019900791 (32) 11.03.19 (33) AU 2018903477 14.09.18 AU (62) 2018203281	(71) Fuller Family Holdings Pty Ltd (21) 2019204920 (22) 09.07.2019 (54) Display strip (31) 2018902492 (32) 09.07.18 (33) AU
(71) Cohda Wireless Pty Ltd (21) 2019205008 (22) 12.07.2019 (54) A method and system for estimating range between and position of objects using a wireless communication system (31) 2018902520 (32) 12.07.18 (33) AU	(71) Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University (21) 2019205017 (22) 12.07.2019 (54) ENCODING METHOD AND DECODING METHOD, AND DEVICE USING SAME (62) 2018202742	(71) Genomatica, Inc. (21) 2019204872 (22) 08.07.2019 (54) MICROORGANISMS AND METHODS FOR THE BIOSYNTHESIS OF BUTADIENE (62) 2017258976
(71) Corning Incorporated (21) 2019204975 (22) 11.07.2019 (54) GLASS ARTICLES WITH LOW-FRICTION COATINGS (62) 2018200466	(71) ESCO Group LLC (21) 2019205028 (22) 12.07.2019 (54) Wear assembly (62) 2017203399	(71) Georg Fischer Central Plastics LLC (21) 2019204932 (22) 09.07.2019 (54) Pipe-fitting (31) 16/053,010 (32) 02.08.18 (33) US
(71) Covidien LP (21) 2019204962 (22) 10.07.2019 (54) Apparatus for endoscopic procedures (62) 2017203410	(71) Eupraxia Pharmaceuticals USA LLC (21) 2019204918 (22) 09.07.2019 (54) Injectable sustained release composition and method of using the same for treating inflammation in joints and pain associated therewith (62) 2014235854	(71) Gilbarco Inc. (21) 2019204955 (22) 10.07.2019 (54) Cryptographic watermarking of content in fuel dispensing environments (62) 2014342209
(71) Covidien LP (21) 2019204994 (22) 11.07.2019 (54) Loading unit including shipping assembly (62) 2015202932	(71) FarmHannong Co., Ltd. (21) 2019204916 (22) 09.07.2019 (54) Methods for conferring or enhancing herbicide resistance on plants and/or alga with protoporphyrinogen oxidase variants (62) 2015363925	(71) Griffin, R.A. (21) 2019204945 (22) 10.07.2019 (54) A Holder for a Game Piece
(71) CSR Building Products Limited (21) 2019205014 (22) 12.07.2019 (54) MODULAR BARRIER SYSTEM (31) 2018902535 (32) 13.07.18 (33) AU		(71) Griffith Hack (21) 2019204958 (22) 10.07.2019 (54) SYSTEM, METHOD, AND APPARATUS FOR ELECTRONIC PATIENT CARE (62) 2013364131
		(71) Grifols Worldwide Operations Limited (21) 2019204927 (22) 09.07.2019

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(31) 62/713,673 (32) 02.08.18 (33) US

(71) Hu, B.
(21) 2019204912 (22) 09.07.2019
(54) MULTIFUNCTIONAL TORQUE WRENCH
(31) 107141496 (32) 21.11.18 (33) TW

(71) Huawei Device Co., Ltd.
(21) 2019205000 (22) 11.07.2019
(54) COMPONENT DISPLAY PROCESSING METHOD AND USER EQUIPMENT
(62) 2017203025

(71) Huawei Technologies Co., Ltd.
(21) 2019204990 (22) 11.07.2019
(54) TERMINAL, BASE STATION AND SCHEDULING REQUEST TRANSMISSION METHOD
(62) 2015395543

(71) Industrial Galvanizers Corporation Pty Ltd
(21) 2019204929 (22) 09.07.2019
(54) Improved Guard Rail Assembly
(62) 2017210505

(71) Ionis Pharmaceuticals, Inc.
(21) 2019204977 (22) 11.07.2019
(54) MODULATION OF PREKALLIKREIN (PKK) EXPRESSION
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(71) Iyinomen, D.
(21) 2019205004 (22) 11.07.2019
(54) Technique Development for Investigation of Axisymmetric Graphite Sample Oxidation in Hypersonic Flow

(71) Jakob Hatteland Logistics AS
(21) 2019204983 (22) 11.07.2019
(54) Robot for transporting storage bins
(62) 2015276279

(71) Kabushiki Kaisha Toshiba
(21) 2019205015 (22) 12.07.2019
(54) Power generation plan developing apparatus, power generation plan developing method, and recording medium
(62) 2017239489

(71) Knappco Corporation
(21) 2019204954 (22) 10.07.2019
(54) Crossover protection system graphical user interfaces
(62) 2015343479

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(21) 2019204970

(71) Lauto, A.
(21) 2019204869 (22) 05.07.2019
(54) IMPROVED APPARATUS AND METHOD FOR TREATMENT OF TISSUE

(71) LEONARDO S.P.A.
(21) 2019204989 (22) 11.07.2019
(54) Anodization method for corrosion protection of aluminium or aluminium alloy elements used in an aircraft structure
(31) 10201800007314 (32) 18.07.18 (33) IT

(71) LG ELECTRONICS INC.
(21) 2019204940 (22) 10.07.2019
(54) Fan motor and manufacturing method of the same
(31) 10-2018-0098085 (32) 22.08.18 (33) KR

(71) Magnolia Medical Technologies, Inc.
(21) 2019204941 (22) 10.07.2019
(54) FLUID DIVERSION MECHANISM FOR BODILY-FLUID SAMPLING
(62) 2017216493

(71) MAKO Surgical Corp.
(21) 2019204995 (22) 11.07.2019
(54) Preoperative planning and associated intraoperative registration for a surgical system
(62) 2016408411

(71) MAX & WILS PTY. LTD.
(21) 2019205003 (22) 11.07.2019
(54) Support Strut for Concrete Formwork and Concrete Moulding Systems

(71) MedImmune, LLC
(21) 2019204934 (22) 09.07.2019
(54) CELL CULTURE METHODS AND MEDIA COMPRISING N-ACETYLCYSTEINE
(62) 2015277230

(71) Medovex Corp.
(21) 2019205969 (22) 15.07.2019
(54) MINIMALLY INVASIVE METHODS FOR SPINAL FACET THERAPY TO ALLEVIATE PAIN AND ASSOCIATED SURGICAL TOOLS, KITS
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(71) Milliken & Company
(21) 2019204914 (22) 09.07.2019
(54) MULTIPLE CHAMBER INNERDUCT STRUCTURE
(31) 62/782,449 (32) 20.12.18 (33) US

(71) Motorola Solutions, Inc.
(21) 2019204967 (22) 11.07.2019
(54) AUTOMATIC TESTABLE BREATHER VALVE
(31) 16/037,741 (32) 17.07.18 (33) US

(71) MTD Products Inc
(21) 2019205012 (22) 12.07.2019
(54) PARK BRAKE AND TRACTION DRIVE BYPASS INTERLOCK
(62) 2015320651

National Center for Geriatrics and Gerontology see SHIMADZU CORPORATION
(21) 2019205010

(71) Netpro Industries Limited
(21) 2019204973 (22) 11.07.2019
(54) A Pergola
(31) 755055 (32) 02.07.19 (33) NZ

(71) Neuroanalytics Pty Ltd.
(21) 2019205013 (22) 12.07.2019
(54) Method and system for identification of cerebrovascular abnormalities
(31) 201841026289 (32) 13.07.18 (33) IN

(71) Novartis AG
(21) 2019204938 (22) 09.07.2019
(54) Mdm2 inhibitors and combinations thereof
(62) 2016314082

(71) OpenTV, Inc.
(21) 2019204992 (22) 11.07.2019
(54) Techniques for securing live positioning signals
(62) 2015249670

(71) Oregon Health & Science University
(21) 2019204982 (22) 11.07.2019
(54) Recombinant HCMV and RhCMV Vectors and Uses Thereof
(62) 2018203259

(71) Organovo, Inc.
(21) 2019204968 (22) 11.07.2019
(54) Platform for engineered implantable tissues and organs and methods of making the same
(62) 2017202721

(71) P&T Hauling and Rigging Pty Ltd
(21) 2019205011 (22) 12.07.2019
(54) A System for use in Pulling a Conduit

(71) Physio-Control, Inc.
(21) 2019204964 (22) 10.07.2019
(54) Electrode Assembly Having Various Communicative Solutions
(62) 2014292850

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<p>(71) PIRAINO, M. (21) 2019204944 (22) 10.07.2019 (54) METHOD AND SYSTEM FOR FORMING AN IMPROVED BED (62) 2017208220</p>	<p>(54) Systems and methods for comparing computer scripts (31) 16/036,609 (32) 16.07.18 (33) US</p>	<p>(71) The Chinese University of Hong Kong (21) 2019204917 (22) 09.07.2019 (54) SIZE-BASED ANALYSIS OF FETAL DNA FRACTION IN MATERNAL PLASMA (62) 2017201258</p>
<p>(71) Precision Planting LLC (21) 2019205021 (22) 12.07.2019 (54) Systems, methods, and apparatus for agricultural liquid application (62) 2015255942</p>	<p>(71) SHIMADZU CORPORATION; National Center for Geriatrics and Gerontology (21) 2019205010 (22) 12.07.2019 (54) Multiplex biomarker for use in evaluation of state of accumulation of amyloid B in brain, and analysis method for said evaluation (62) 2016322342</p>	<p>(71) The Trustees of the University of Pennsylvania (21) 2019204991 (22) 11.07.2019 (54) Vaccines with biomolecular adjuvants (62) 2017204110</p>
<p>(71) Pro-Tech Hoardings Pty Ltd (21) 2019204939 (22) 09.07.2019 (54) Barrier System (31) 2018902494 (32) 09.07.18 (33) AU</p>	<p>(71) SHINSHU UNIVERSITY; KOTOBUKI TSUSHOU CO., LTD (21) 2019204970 (22) 11.07.2019 (54) METHOD FOR PERFORATING CARBON NANOMATERIAL, AND METHOD FOR PRODUCING FILTER MOLDED ARTICLE (62) 2015285551</p>	<p>(71) Third Zeton Pty Ltd (21) 2019204935 (22) 09.07.2019 (54) A vent for a bitumen tank</p>
<p>(71) Rearden, LLC (21) 2019204969 (22) 11.07.2019 (54) SYSTEM AND METHODS FOR PLANNED EVOLUTION AND OBSOLESCENCE OF MULTIUSER SPEC-TRUM (62) 2017272246</p>	<p>(71) Société des Produits Nestlé S.A. (21) 2019205009 (22) 12.07.2019 (54) Assays for the detection of anti-TNF drugs and autoantibodies (62) 2017213584</p>	<p>(71) TNBT Holdings Pty Ltd (21) 2019204960 (22) 10.07.2019 (54) A Lock Element for a Lock Cylinder (62) 2018201112</p>
<p>(71) Ryan Francis Limited (21) 2019205005 (22) 12.07.2019 (54) AN ATTACHMENT FOR A DOWN-PIPE, AN INSERT FOR SAME, AND A METHOD OF ITS USE (31) 744223 (32) 12.07.18 (33) NZ</p>	<p>(71) SOETANTO, J. (21) 2019204946 (22) 10.07.2019 (54) Pergola Louver Tilt System (31) 16/404,064 (32) 06.05.19 (33) US</p>	<p>(71) UCL Business PLC (21) 2019204921 (22) 09.07.2019 (54) Chimeric Antigen Receptor (CAR) with Antigen Binding Domains to the T Cell Receptor Beta Constant Region. (62) 2015225944</p>
<p>(71) Sarepta Therapeutics, Inc. (21) 2019204913 (22) 09.07.2019 (54) Peptide oligonucleotide conjugates (62) 2017206179</p>	<p>(71) Soletanche Freyssinet (21) 2019204937 (22) 09.07.2019 (54) Portable Device for Acquiring Images of an Environment (31) FR18 56591 (32) 17.07.18 (33) FR</p>	<p>(71) UCL Business PLC (21) 2019204925 (22) 09.07.2019 (54) Chimeric Antigen Receptor (CAR) with Antigen Binding Domains to the T Cell Receptor Beta Constant Region. (62) 2015225944</p>
<p>(71) Scholle IPN Corporation (21) 2019205020 (22) 12.07.2019 (54) METHOD FOR ASEPTIC FILLING OF POUCHES (62) 2016325449</p>	<p>(71) Spinetic Energy Limited (21) 2019205022 (22) 12.07.2019 (54) WIND TURBINE APPARATUSES (62) 2016366631</p>	<p>(71) Unilever PLC (21) 2019204950 (22) 10.07.2019 (54) Apparatus and process for handling food packaging (62) 2016310042</p>
<p>(71) Schott AG (21) 2019205016 (22) 12.07.2019 (54) Optical component with scratch resistant anti-reflection coating and method for producing same (31) 102018116993.0 (32) 13.07.18 (33) DE</p>	<p>(71) Stryker Corporation (21) 2019204948 (22) 10.07.2019 (54) Patient support usable with bariatric patients (62) 2014317772</p>	<p>(71) Universal Packaging Limited (21) 2019204942 (22) 10.07.2019 (54) PALLET WRAP MONITORING APPARATUS (31) 744330 (32) 13.07.18 (33) NZ</p>
<p>(71) ServiceNow, Inc. (21) 2019204978 (22) 11.07.2019 (54) External data management in a remote network management platform (31) 16/032,981 (32) 11.07.18 (33) US</p>	<p>(71) Tata Consultancy Services Limited (21) 2019204930 (22) 09.07.2019 (54) Method and System for Generation of Hybrid Learning Techniques (31) 201821025625 (32) 09.07.18 (33) IN</p>	<p>University-Industry Cooperation Group of Kyung Hee University see Electronics and Telecommunications Research Institute (21) 2019205017</p>
<p>(71) ServiceNow, Inc. (21) 2019205025 (22) 12.07.2019</p>	<p>(71) Tata Consultancy Services Limited (21) 2019204953 (22) 10.07.2019 (54) Resolving Abstract Anaphoric References in Conversational Systems Using Hierarchically Stacked Neural Networks (31) 201821025758 (32) 10.07.18 (33) IN</p>	<p>(71) University of Hawaii (21) 2019204993 (22) 11.07.2019 (54) Fabry-Perot Fourier transform spectrometer (62) 2017219008</p>

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 (21) 2019204963 (22) 10.07.2019
 (54) Systems, catheters, and related methods for mapping, minimizing, and treating cardiac fibrillation
 (62) 2014207528

(71) Victor Equipment Company
 (21) 2019204924 (22) 09.07.2019
 (54) Positioning system and method for arc welding consumables
 (62) 2017268528

(71) Visa International Service Association
 (21) 2019204966 (22) 10.07.2019
 (54) ELECTRONIC WALLET CHECKOUT PLATFORM APPARATUSES, METHODS AND SYSTEMS
 (62) 2017203341

(71) Visa International Service Association
 (21) 2019204971 (22) 11.07.2019
 (54) System and methods for online/offline synchronization
 (62) 2016371911

(71) VISCOFAN, S.A.
 (21) 2019204951 (22) 10.07.2019
 (54) Textured non-porous barrier transfer casing
 (31) 16/055,472 (32) 06.08.18 (33) US

(71) VISCOFAN, S.A.
 (21) 2019205024 (22) 12.07.2019
 (54) Textured porous barrier transfer casing
 (31) 16/055,443 (32) 06.08.18 (33) US

(71) Vollrath, K.
 (21) 2019204943 (22) 10.07.2019
 (54) SPRINKLER SYSTEM ATTACHMENT
 (31) 62/764,425 (32) 01.08.18 (33) US

(71) Wang, A.
 (21) 2019204871 (22) 07.07.2019
 (54) SPOOL STRING REWINDER DEVICE FOR LAWN TRIMMING EQUIPMENT USUALLY REFERRED TO AS LINE TRIMMER, WHIPPER SNIPPER, GRASS TRIMMER, LAWN EDGER, BRUSH CUTTER, WEED EASTER, WEED WHACKER, STRIMMER, LINE TRIMMER ETC.

(71) Weatherford Technology Holdings, LLC
 (21) 2019205001 (22) 11.07.2019
 (54) Processes for fracturing a well
 (62) 2017272283

(71) Werner Co.
 (21) 2019205968 (22) 15.07.2019
 (54) Extension Ladder, System and Method
 (31) 16/053,407 (32) 02.08.18 (33) US

(71) Wolzien LLC
 (21) 2019204999 (22) 11.07.2019
 (54) Video call center
 (62) 2017204840

(71) Wuxi Hisky Medical Technologies Co., Ltd.; Beijing Friendship Hospital, Capital Medical University
 (21) 2019204997 (22) 11.07.2019
 (54) METHOD AND SYSTEM FOR HEALTH CONDITION ANALYSIS BASED ON ELASTICITY DETECTION DEVICE
 (62) 2015382817

(71) YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.
 (21) 2019204974 (22) 11.07.2019
 (54) Restoration of the CFTR function by splicing modulation
 (62) 2013319788

(71) Yuntongbencao (Beijing) Biotechnology Co., Ltd.; Zhimeitang (Wuhan) Health Technology Co., Ltd.
 (21) 2019204868 (22) 05.07.2019
 (54) PRODUCTION METHOD OF HIGH BIOACTIVITY WHOLE EGG FERMENTATION, AND PRODUCTS AND APPLICATIONS THEREOF
 (31) 201910023989.0 (32) 10.01.19 (33) CN

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 (21) 2019204868

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2019204869	Lauto, A.	2019204975	Corning Incorporated
2019204870	Early Bird Marketplace Pty Ltd	2019204976	Accenture Global Solutions Limited
2019204871	Wang, A.	2019204977	Ionis Pharmaceuticals, Inc.
2019204872	Genomatica, Inc.	2019204978	ServiceNow, Inc.
2019204912	Hu, B.	2019204979	Accelaron Pharma, Inc.
2019204913	Sarepta Therapeutics, Inc.	2019204980	Amgen Inc.
2019204914	Milliken & Company	2019204981	Celgene CAR LLC
2019204915	Allergan Pharmaceuticals International Limited	2019204982	Oregon Health & Science University
2019204916	FarmHannong Co., Ltd.	2019204983	Jakob Hatteland Logistics AS
2019204917	The Chinese University of Hong Kong	2019204984	Arbutus Biopharma Corporation
2019204918	Eupraxia Pharmaceuticals USA LLC	2019204985	Five Prime Therapeutics, Inc.
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2019204920	Fuller Family Holdings Pty Ltd	2019204987	Depuy Ireland Unlimited Company
2019204921	UCL Business PLC	2019204988	Accenture Global Solutions Limited
2019204923	Broadridge Financial Solutions, Inc.	2019204989	LEONARDO S.P.A.
2019204924	Victor Equipment Company	2019204990	Huawei Technologies Co., Ltd.
2019204925	UCL Business PLC	2019204991	The Trustees of the University of Pennsylvania
2019204926	BHP Innovation Pty Ltd	2019204992	OpenTV, Inc.
2019204927	Grifols Worldwide Operations Limited	2019204993	University of Hawaii
2019204928	Becton, Dickinson and Company	2019204994	Covidien LP
2019204929	Industrial Galvanizers Corporation Pty Ltd	2019204995	MAKO Surgical Corp.
2019204930	Tata Consultancy Services Limited	2019204996	Fives Intralogistics S.p.A. Con Socio Unico
2019204932	Georg Fischer Central Plastics LLC	2019204997	Wuxi Hisky Medical Technologies Co., Ltd.; Beijing Friendship Hospital, Capital Medical University
2019204933	Adimab, LLC	2019204998	Cleveron AS
2019204934	MedImmune, LLC	2019204999	Wolzien LLC
2019204935	Third Zeton Pty Ltd	2019205000	Huawei Device Co., Ltd.
2019204936	Accenture Global Solutions Limited	2019205001	Weatherford Technology Holdings, LLC
2019204937	Soletanche Freyssinet	2019205002	Caterpillar Underground Mining Pty Ltd
2019204938	Novartis AG	2019205003	MAX & WILS PTY. LTD.
2019204939	Pro-Tech Hoardings Pty Ltd	2019205004	Iyinomen, D.
2019204940	LG ELECTRONICS INC.	2019205005	Ryan Francis Limited
2019204941	Magnolia Medical Technologies, Inc.	2019205006	C.Y. O'Connor ERADE Village Foundation Inc.
2019204942	Universal Packaging Limited	2019205007	Accenture Global Solutions Limited
2019204943	Vollrath, K.	2019205008	Cohda Wireless Pty Ltd
2019204944	PIRAINO, M.	2019205009	Société des Produits Nestlé S.A.
2019204945	Griffin, R.A.	2019205010	SHIMADZU CORPORATION; National Center for Geriatrics and Gerontology
2019204946	SOETANTO, J.	2019205011	P&T Hauling and Rigging Pty Ltd
2019204947	A123 Systems, LLC	2019205012	MTD Products Inc
2019204948	Stryker Corporation	2019205013	Neuroanalytics Pty Ltd.
2019204949	A123 Systems, LLC	2019205014	CSR Building Products Limited
2019204950	Unilever PLC	2019205015	Kabushiki Kaisha Toshiba
2019204951	VISCOFAN, S.A.	2019205016	Schott AG
2019204952	Children's Medical Center Corporation	2019205017	Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University
2019204953	Tata Consultancy Services Limited	2019205018	Fenestration Solutions Australia Pty Ltd
2019204954	Knappco Corporation	2019205019	Fastbrick IP Pty Ltd
2019204955	Gilbarco Inc.	2019205020	Scholle IPN Corporation
2019204956	Bellator Pty Ltd	2019205021	Precision Planting LLC
2019204957	Allergan, Inc.	2019205022	Spinetic Energy Limited
2019204958	Griffith Hack	2019205023	Biosense Webster (Israel) Ltd.
2019204959	Bedetti, G.; Bedetti, D.	2019205024	VISCOFAN, S.A.
2019204960	TNBT Holdings Pty Ltd	2019205025	ServiceNow, Inc.
2019204961	Airway Medical Innovations Pty Ltd	2019205026	Caterpillar Global Mining Europe GmbH
2019204962	Covidien LP	2019205028	ESCO Group LLC
2019204963	University of Vermont	2019205029	Ecochem Australia Pty Ltd
2019204964	Physio-Control, Inc.	2019205967	Deere & Company
2019204965	Aristocrat Technologies Australia Pty Limited	2019205968	Werner Co.
2019204966	Visa International Service Association	2019205969	Medovex Corp.
2019204967	Motorola Solutions, Inc.		
2019204968	Organovo, Inc.		
2019204969	Rearden, LLC		
2019204970	SHINSHU UNIVERSITY; KOTOBUKI TSUSHOU CO., LTD		
2019204971	Visa International Service Association		
2019204972	Allergan Pharmaceuticals International Limited		
2019204973	Netpro Industries Limited		

Innovation Patent Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 9 Jul 2019 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<hr/> <p>(71) Apple Inc. (21) 2019100752 (22) 11.07.2019 (54) Wearable computer with fitness machine connectivity for improved activity monitoring using caloric expenditure models (31) 62/697,386 (32) 12.07.18 (33) US 16/129,664 12.09.18 US</p> <hr/> <p>(71) Arlinea Industries Co. (21) 2019100746 (22) 09.07.2019 (54) Combination Curtain Track for Wave and Blind Curtains (31) 107215759 (32) 20.11.18 (33) TW</p> <hr/> <p>(71) Delta Electronics, Inc. (21) 2019100747 (22) 09.07.2019 (54) Power Conversion Apparatus and Smart Grid System Having the Same (31) 201920028682.5 (32) 08.07.19 (33) CN</p> <hr/> <p>(71) GOMACO Corporation (21) 2019100743 (22) 08.07.2019 (54) PAVING MACHINE WITH SMART STEERING CONTROL (62) 2018211060</p> <hr/> <p>(71) Holloway, D. (21) 2019100757 (22) 12.07.2019 (54) Woven Fibreglass Cloth</p> <hr/> <p>(71) Hooper, B. (21) 2019100744 (22) 08.07.2019 (54) A PORTABLE FOLDABLE FRAMED BEDDING ARRANGEMENT FOR COUPLES</p> <hr/> <p>(71) Huang, K. (21) 2019100759 (22) 12.07.2019 (54) SIDE CABINET WITH A TELESCOPICALLY ARRANGED TABLE</p> <hr/> <p>(71) JUPYTER PTY LTD (21) 2019100762 (22) 14.07.2019 (54) The innovation lies in the ability of the AC-powered Wi-fi Doorbell Chime to replace an always on connectivity between the DC-Powered Doorbell and an internet router connection with a very low energy sub-GHZ connectivity. The AC-Powered Chime also includes an Edge computer to provide local Artificial Intelligence, Video Processing and Data Analytics. This replaces the</p>	<p>wi-fi doorbell or cloud-based video processing - thereby increasing the performance & speed of the wi-fi doorbell system.</p> <hr/> <p>(71) Li, L. (21) 2019100761 (22) 13.07.2019 (54) Enhancement of paper strength by a dual system of cationic polymer and hemicelluloses</p> <hr/> <p>(71) METAL TESTING PTY LTD (21) 2019100749 (22) 10.07.2019 (54) casing hanger line boring operation on a oil and gas well site.</p> <hr/> <p>(71) MICROFLOC PTY LTD (21) 2019100751 (22) 10.07.2019 (54) Water Treatment Plant Lamella Plate / TubeSettler with flexibility of inclination angle, projected area for settlement and plate pitch.</p> <hr/> <p>(71) Sayers, J. (21) 2019100760 (22) 13.07.2019 (54) The nexus between the existing and new structure bring an entrepreneurial interface to any school, this model helps deliver clean energy employment opportunities to parents. Enhancing a school.</p> <hr/> <p>(71) Southwest University (21) 2019100750 (22) 10.07.2019 (54) A low laser output power consumption double-layer structure ONoCs</p> <hr/> <p>(71) Techtronic Cordless GP (21) 2019100756 (22) 12.07.2019 (54) An electric blower (31) 18196082.4 (32) 21.09.18 (33) EP</p> <hr/> <p>(71) Warty, R. (21) 2019100748 (22) 09.07.2019 (54) 3D-printed pessary with embedded electrical stimulator for treating vaginal prolapse.</p> <hr/> <p>(71) Welcome Fit Pty Ltd (21) 2019100753 (22) 11.07.2019 (54) A method of exercise training (31) 2018902792 (32) 01.08.18 (33) AU</p> <hr/>	<p>(71) Williams, D.R. (21) 2019100758 (22) 12.07.2019 (54) Apparatus for Power Generation from a Fluid (31) 2018902789 (32) 31.07.18 (33) AU</p> <hr/> <p>(71) Wiseman, A.J. (21) 2019100745 (22) 08.07.2019 (54) Transmission Console Cover</p> <hr/> <p>(71) WORTHINGTON, R. (21) 2019100755 (22) 12.07.2019 (54) A MULTI-CHAMBER SOLAR COLLECTOR (31) 2019900463 (32) 13.02.19 (33) AU 2019901056 29.03.19 AU</p> <hr/> <p>(71) Wu, Y. (21) 2019100754 (22) 11.07.2019 (54) A Method of Transferring Funds and Exchanging Currency</p>
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2019100743	GOMACO Corporation	2019100753	Welcome Fit Pty Ltd
2019100744	Hooper, B.	2019100754	Wu, Y.
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2019100748	Warty, R.	2019100758	Williams, D.R.
2019100749	METAL TESTING PTY LTD	2019100759	Huang, K.
2019100750	Southwest University	2019100760	Sayers, J.
2019100751	MICROFLOC PTY LTD	2019100761	Li, L.
2019100752	Apple Inc.	2019100762	JUPYTER PTY LTD

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code	Meaning
1	Application Lapsed Section 142(2)(a)
3	Application Lapsed Section 142(2)(c)
4	Application Lapsed Section 142(2)(d)
5	Application Lapsed Section 142(2)(e)
6	Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
7	Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
8	Application Lapsed Reg. 3.4(6)
9	Application Lapsed Section 142(3)
11	Application Lapsed Section 148(1)(c)
12	Application Withdrawn Section 141(1)
13	Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
14	Patent Ceased Section 143(a), or Expired
15	Patent Ceased Section 143(b)
16	Application Refused
17	Application Lapsed Reg. 22.2B(2)
18	Application Lapsed Reg. 3.2B(3),(5) or (6)
20	Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
22	Patent Ceased Section 143A(d), or Expired
23	Patent Ceased Section 143A(e)
24	Application Lapsed Reg. 22.2E(2)
25	Application Lapsed Reg. 22.2I(2)
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

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2019

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 2019202708 (1B) 2019202714 (1B) 2019202841 (7AN)
 2019202860 (7AN) 2019204936 (12CN)

Assignments before Grant, Section 113

2004

2004205671 Micronics Inc The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2004205887 Mincronics Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2004245094 Micronics, Inc The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2006

2006202941 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2006204858 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2007

2007225103 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2014

2014262710 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2014262726 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2014277220 faceshift GmbH The application has been assigned to **Apple Inc.**

2014370035 X Development LLC The application has been assigned to **Makani Technologies LLC**

2015

2015247940 X Development LLC The application has been assigned to **Makani Technologies LLC**

Assignments before Grant, Section 113

2015306936 X Development LLC The application has been assigned to **Makani Technologies LLC**

2015343258 The George Washington University; Luxcath, LLC The application has been assigned to **460Medical, Inc.; The George Washington University**

2015343274 LuxCath, LLC. The application has been assigned to **460Medical, Inc.**

2015346641 Protonex Technology Corporation The application has been assigned to **Revision Military Soldier Power, LLC**

2015353464 LuxCath, LLC. The application has been assigned to **460Medical, Inc.**

2015356846 Coventry University The application has been assigned to **McClory, Paul**

2015399642 Chongqing University of Arts and Sciences The application has been assigned to **Chongqing Dikang Erle Pharma Co. Ltd.**

2015902943 Trimph Technology Pty Limited The application has been assigned to **Trimph IP Pty Ltd**

2015903552 Trimph Technology Pty Limited The application has been assigned to **Trimph IP Pty Ltd**

2016

2016233787 X Development LLC The application has been assigned to **Makani Technologies LLC**

2016245834 Basf SE The application has been assigned to **Solenis Technologies Cayman, L.P.**

2016249717 BASF SE The application has been assigned to **Solenis Technologies Cayman, L.P.**

2016256450 Micronics, Inc. The application has been assigned to **Perkinelmer Health Sciences, Inc.**

2016270617 Capital Hardware Supply, Inc. The application has been assigned to **Capital Hardware Supply, LLC**

2016393737 Universita' Degli Studi di Padova; Electrolux Appliances Aktiebolag The application has been assigned to **Electrolux Appliances Aktiebolag**

2017

2017200049 Coda Therapeutics (NZ) Ltd The application has been assigned to **Ocnexus Therapeutics, Inc.**

2017204090 Waikato Institute of Technology The application has been assigned to **Gert Erasmus Hattingh**

2017204310 Toshiba Fuel Cell Power Systems Corporation The application has been assigned to **Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba**

Assignments before Grant, Section 113

2017208358 Waikato Institute of Technology The application has been assigned to **Gert Erasmus Hattingh**

2017213377 Tohoku University The application has been assigned to **Brain Innovation Co., Inc.; Tohoku University**

2017213557 X Development LLC The application has been assigned to **Makani Technologies LLC**

2017219125 X Development LLC The application has been assigned to **Makani Technologies LLC**

2017267699 Croix, Michael The application has been assigned to **SunFly Brands, Inc.**

2018

2018286597 X Development LLC The application has been assigned to **Makani Technologies LLC**

2018363479 I-MAB Biopharma Co., Ltd. The application has been assigned to **I-MAB**

2019

2019200244 Columbia Steel Casting Co., Inc.; Conroy, David The application has been assigned to **Columbia Steel Casting Co., Inc.**

2019200407 Shengzhou Baien Trading Co., Ltd. The application has been assigned to **Pujiang Anheng Import and Export Co., Ltd.**

2019200412 Shengzhou Baien Trading Co., Ltd. The application has been assigned to **Pujiang Zhiyin Technology Co., Ltd.**

2019200533 Shengzhou Baien Trading Co., Ltd. The application has been assigned to **Pujiang Zhiyin Technology Co., Ltd.**

2019203570 Radicle Orthopaedics The application has been assigned to **Acumed LLC**

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.

2004

2004285450 **Frykman, G.; Gruett, G.** An application to extend the time from 18 Oct 2018 to 18 May 2019 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016

2016361957 **Eridan Communications, Inc.** An application to extend the time from 03 Jul 2018 to 03 Jun 2019 in which to enter the National Phase has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

Extensions of Time, Section 223

Applications Allowed - Section 223(2)

2006

2006243223 **Coty Prestige Lancaster Group GmbH** The time in which to pay a renewal fee has been extended to 04 Mar 2019 . Address for service - Griffith Hack L 22 Allendale Square 77 St Georges Terrace Perth WA 6000 AU

2007

2007257335 **Cortical Dynamics Limited** The time in which to pay a renewal fee has been extended to 06 Mar 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2012

2012220665 **SolarCity Corporation** The time in which to pay a renewal fee has been extended to 22 Feb 2019 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2014

2014291646 **Equiline S.r.l.** The time in which to pay a continuation fee has been extended to 18 Mar 2019 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2015

2015309648 **Raptor Rig, Inc.** The time in which to request examination has been extended to 09 Apr 2019 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2015309649 **Raptor Rig, Inc.** The time in which to request examination has been extended to 09 Apr 2019 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017

2017203044 **Tama Plastic Industry** The time in which to pay the continuation fee has been extended to 20 Mar 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017370226 **Shangahi Institutes For Biological Sciences, Chinese Academy Of Sciences** The time in which to enter the National Phase has been extended to 29 Jul 2019 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

Amendments

Applications for Amendment

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

Amendments

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

2009

2009347078 Capsule, system and method for preparing a predetermined quantity of beverage suitable for consumption **Koninklijke Douwe Egberts B.V.** The nature of the amendment is as shown in the statement(s) filed 27 May 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2013

2013277637 Synthesis of beta-turn peptidomimetic cyclic compounds **Mimetogen Pharmaceuticals Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Jun 2019 . Address for service - Franke Hyland PO Box 356 North Ryde BC NSW 1670 AU

2013333532 Compositions and methods relating to a mutant Clostridium difficile toxin **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Jun 2019 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2014

2014382640 Viscosifier for treatment of a subterranean formation **Halliburton Energy Services, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Nov 2018 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2015

2015206696 Customized message protocol in mining vehicle operations **Caterpillar Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Jun 2019 . Address for service - FPA Patent Attorneys Pty Ltd 101 Collins St Melbourne VIC 3000 AU

2015225856 A steel stud anchor **Call, F. ; Robbeson, M.** The nature of the amendment is as shown in the statement(s) filed 04 Jul 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016

2016289031 Novel compound that specifically binds to AMPA receptor **Public University Corporation Yokohama City University** The nature of the amendment is as shown in the statement(s) filed 28 Jun 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016298258 Modular carton **Graphic Packaging International, LLC** The nature of the amendment is as shown in the statement(s) filed 03 Jun 2019 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2017

2017201193 Compositions and methods relating to a mutant clostridium difficile toxin **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Jun 2019 . Address for service -

Amendments

Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2017202849 Potent and Selective Inhibitors of Monoamine Transporters; Method of Making; and Use Thereof **The United States of America, as represented by the Secretary, Department of Health and Human Services** The nature of the amendment is as shown in the statement(s) filed 03 Jul 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017210660 Vitamin D3 and Analogs Thereof for Treating Alopecia **Berg LLC** The nature of the amendment is as shown in the statement(s) filed 04 Jul 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

2017268508 5-[[4-[[morpholin-2-yl]methylamino]-5-(trifluoromethyl)-2-pyridyl]amino]pyrazine-2-carbonitrile and therapeutic uses thereof **Cancer Research Technology Limited** The nature of the amendment is as shown in the statement(s) filed 26 Jun 2019 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

Amendments Made**2011**

2011205034 **ARK Corporation Pty Ltd** The nature of the amendment is as shown in the statement filed 21 Feb 2019

2013

2013390343 **Reinheart GmbH** The nature of the amendment is: Amend the name of the inventor to read Steinseifer, Ulrich; Böhning, Fiete and Schmitz-Rode, Thomas

2013392520 **Jiangsu Huifeng Agrochemical Co., Ltd.** The nature of the amendment is as shown in the statement filed 22 Mar 2019

2014

2014287067 **Knopp Biosciences LLC** The nature of the amendment is as shown in the statement filed 09 Apr 2019

2014306417 **Memorial Sloan-Kettering Cancer Center** The nature of the amendment is as shown in the statement filed 12 Apr 2019

2014352774 **General Electric Company** The nature of the amendment is: Amend the name of the inventor to read Barnett, Bruce Gordon; Hershey, John Erik; Dell'Anno, Michael Joseph; Soro, Stanislava and Hartman, Michael James

2014369801 **Shanghai Ying Ta Aircondition Enterprise Co., Ltd** The nature of the amendment is: Amend the invention title to read An Air-Conditioning System For A Vehicle

2015

2015227422 **Rohm and Haas Company; Dow Global Technologies LLC** The nature of the amendment is: Amend the name of the inventor to read DeRocher, Jonathan P.; Henderson, Kevin J.; Van Dyk, Antony K.; San Miguel Rivera, Lidaris and Singh, Anurima

2015245909 **Mimo AG** The nature of the amendment is as shown in the statement filed 12 Apr 2019

Amendments

2015252256 **Philip Morris Products S.A.** The nature of the amendment is as shown in the statement filed 04 Apr 2019

2015261046 **PTC Therapeutics Inc.; F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement filed 15 Apr 2019

2015363812 **AgResearch Limited** The nature of the amendment is: Application is to proceed under the new number 2015101963

2015406139 **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement filed 04 Apr 2019

2015412489 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Traveling unit and work vehicle

2016

2016215031 **Masimo Corporation** The nature of the amendment is: Amend the name of the inventor to read Schmidt, John; Triman, Benjamin C.; Abdul-Hafiz, Yassir Kamel and Al-Ali, Ammar

2016218512 **Desso Sports B.V.** The nature of the amendment is: Application is to proceed under the number 2016102418

2016232755 **Sonoco Development, Inc.** The nature of the amendment is as shown in the statement filed 08 Apr 2019

2016273885 **BTG International Limited** The nature of the amendment is as shown in the statement filed 15 Apr 2019

2016303891 **Chong Kun Dang Pharmaceutical Corp.** The nature of the amendment is: Amend the name of the inventor to read Lee, Jaekwang; Kim, Yuntae; Lee, Chang Sik; Song, Hyesung; Gwak, Dal-Yong; Lee, Jaeyoung; Oh, Jung Taek; Lee, Chang Gon and Kim, Il Hyang

2016319525 **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement filed 16 Apr 2019

2016378548 **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement filed 02 Apr 2019

2017

2017201078 **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 19 Mar 2019

2017201366 **BLY IP INC.** The nature of the amendment is as shown in the statement filed 11 Mar 2019

2017202373 **Bioness Neuromodulation Ltd.** The nature of the amendment is: Amend the name of the inventor to read Dar, Amit; Bar-Or, Jonathan; Nathan, Roger and SHALEV, Yossef

2017204509 **Translate Bio, Inc.** The nature of the amendment is as shown in the statement filed 03 Apr 2019

2017207962 **Outotec (Finland) Oy** The nature of the amendment is: Application is to proceed under the number 2017101858

Amendments

2017229128 **Janssen Pharmaceutica NV; The Global Alliance for TB Drug Development, Inc.** The nature of the amendment is: Amend the name of the inventor to read Upton, Anna Marie; Cooper, Christopher Blair; ANDRIES, Koenraad Jozef Lodewijk Marcel; GUILLEMONT, Jerome Emile Georges; Van Den Broeck, Walter Marcel Mathilde; Palmer, Brian Desmond and Ma, Zhenkun

2017229128 **Janssen Pharmaceutica NV; The Global Alliance for TB Drug Development, Inc.** The nature of the amendment is: To add co-applicant Janssen Pharmaceutica NV

2017232039 **Gilead Sciences, Inc.** The nature of the amendment is as shown in the statement filed 03 Apr 2019

2017232486 **NIKE Innovate C.V.** The nature of the amendment is as shown in the statement filed 12 Apr 2019

2017249264 **Dematic Logistics GmbH** The nature of the amendment is as shown in the statement filed 27 Mar 2019

2017301769 **Sunovion Pharmaceuticals Inc.; PGI Drug Discovery LLC** The nature of the amendment is: To add co-applicant PGI Drug Discovery LLC

2017310380 **Netflix, Inc.** The nature of the amendment is: Amend the name of the inventor to read Bihani, Ballav; Sundaram, Vidyalakshmi Vilathur; Bhattacharyya, Prosenjit; Moreno, Jose and Mathada, Shashidhara

2017318678 **The Johns Hopkins University** The nature of the amendment is: Amend the name of the inventor to read Dawson, Ted M.; Dawson, Valina L.; Wang, Yingfei; Park, Hyejin; Liu, Jun; Peng, Hanjing and Kam, Tae-In

2017320340 **Commonwealth Scientific And Industrial Research Organisation** The nature of the amendment is: Amend the name of the inventor to read Ozcelik, Berkay and Thissen, Helmut Werner

2017330155 **SK Innovation Co., Ltd.** The nature of the amendment is: Amend the invention title to read Process of converting carbon dioxide using combination of carbon dioxide mineralization process and metabolism of sulfur-oxidizing microorganisms

2017340216 **Sharp Kabushiki Kaisha; FG Innovation Company Limited** The nature of the amendment is: Amend the invention title to read Terminal apparatus, mobility management entity (MME), control plane function (CPF), and communication control method

2017340753 **Mox Networks, LLC** The nature of the amendment is: Amend the priority details to read 15/725,638 05 Oct 2016 US

2017354721 **Sharp Kabushiki Kaisha; FG Innovation Company Limited** The nature of the amendment is: Amend the invention title to read Terminal apparatus, base station apparatus, and communication method

2017366502 **Lee, S.P.; Lee, D.W.** The nature of the amendment is: Amend the name of the inventor to read Lee, Stewart Ping and Lee, David Wei

Amendments

2017370732 **Borodic, G.** The nature of the amendment is as shown in the statement filed 02 Jul 2019

2017375056 **Paques I.P. B.V.** The nature of the amendment is as shown in the statement filed 25 Jun 2019

2017376897 **Y Soft Scanning Solutions S.R.O.** The nature of the amendment is: Amend the name of the inventor to read Koelewijn, Wouter; Krajicek, Ondrej; Sova, Miroslav and Slesarik, Jakub

2017379015 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read ANTENNA, LIGHTING SYSTEM, AND COMMUNICATIONS SYSTEM

2017382406 **Arvinas Operations, Inc.; Yale University** The nature of the amendment is: Amend the name of the inventor to read Crew, Andrew P.; Zimmermann, Kurt; Wang, Jing; Berlin, Michael; Dong, Hanqing; Ishchenko, Alexey; Qian, Yimin; Crews, Craig M.; Jaime-Figueroa, Saul and Burslem, George

2017384317 **Japan Tobacco Inc.; LEO Pharma A/S** The nature of the amendment is: Amend the invention title to read PROCESS FOR PREPARING 7H-PYRROLO[2,3-d]PYRIMIDINE DERIVATIVES AND SYNTHETIC INTERMEDIATES THEREOF

2017385291 **UBE Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Substituted guanidine compounds

2017385637 **Waldner Laboreinrichtungen GmbH & Co. Kg** The nature of the amendment is: Amend the invention title to read Fume cupboard with guided wall jet streams

2017386775 **Angel Playing Cards Co., Ltd.** The nature of the amendment is: Amend the invention title to read Management system of gaming chips and storage box

2017389188 **Angel Playing Cards Co., Ltd.** The nature of the amendment is: Amend the invention title to read Management system of gaming chips and storage box

2017390902 **NEC Corporation** The nature of the amendment is: Amend the invention title to read RADIO ACCESS NETWORK NODE, RADIO TERMINAL, AND METHODS AND NON-TRANSITORY COMPUTER-READABLE MEDIA THEREFOR

2017391000 **National Institute of Advanced Industrial Science and Technology; Tohoku University; Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is: Amend the invention title to read Gene involved in synthesis of cyclic peptide compound, method for producing cyclic peptide compound using the same, and transformant comprising the same

2017396503 **Janssen Biotech, Inc.** The nature of the amendment is: Amend the name of the inventor to read Harrison, Diane D.; Hsia, Elizabeth C.; Kim, Lee-Lian and Lo, Kim Hung

2017413518 **Xuzhou Usure Mining Technology Co., Ltd; China University Of Mining And Technology** The nature of the amendment is: Amend the invention title to read STRESS-TRANSFER METHOD IN TUNNEL WITH HIGH GROUND PRESSURE BASED ON FRACTURING RING

Amendments**2018**

2018207283 **Nektar Therapeutics** The nature of the amendment is as shown in the statement filed 28 Jun 2019

2018224614 **Panasonic Intellectual Property Corporation of America** The nature of the amendment is: Amend the invention title to read Communication Apparatus and Communication Method

2018226386 **Horizon Microport Medical Technology (Beijing) CO., LTD** The nature of the amendment is: Amend the priority details to read 201820762300.7 21 May 2018 CN

2018279501 **Central South University** The nature of the amendment is: Application is to proceed under the number 2018102137

2018360897 **China University of Mining and Technology** The nature of the amendment is: Amend the invention title to read INTELLIGENT GROUTING SYSTEM AND GROUTING METHOD FOR COMPLEX GEOLOGICAL REGION

2018372341 **China University of Mining and Technology; Xuzhou Usure Mining Technology Co., Ltd** The nature of the amendment is as shown in the statement filed 18 Jun 2019

2019

2019204232 **Adjuvants Unlimited LLC** The nature of the amendment is: Amend the name of the inventor to read Crosby, Kevin; Brigrance, Mickey R.; Jordan-Bear, Jennifer and Hall, Shana

2019204511 **Novadaq Technologies Inc.** The nature of the amendment is: Amend the name of the inventor to read Moore, Frederick Allen; Lamprecht, Anton Walter; Otsig, Lesley Myron; Westwick, Paul Roald; Muhammad, Nasir Al-din Bin Zulkafly; Murray, Gavin Michael; Tynan, Adam John; Cameron, James Elliott; Browne, Gregory Vincent and Fontaine, Isabelle

2019901879 **BFM TECHNOLOGY LIMITED** The nature of the amendment is: Amend the invention title to read A BAG LOADING NOZZLE

Alteration of Name(s) of Applicant(s)/Patentee(s)**2002**

2002364980 Vallourec Mannesmann Oil & Gas France; Sumitomo Metal Industries, Ltd. The name of the patentee has been altered to **Vallourec Mannesmann Oil & Gas France; Nippon Steel Corporation**

2006

2006216094 VTU TECHNOLOGY GMBH; BOEHRINGER INGELHEIM RCV GMBH & CO KG The name of the patentee has been altered to **Validogen GmbH; BOEHRINGER INGELHEIM RCV GMBH & CO KG**

2008

2008325291 Sandvik Hyperion AB The name of the patentee has been altered to **Hyperion Materials & Technologies (Sweden) AB**

Amendments**2011**

2011200187 VTU TECHNOLOGY GMBH; BOEHRINGER INGELHEIM RCV GMBH & CO KG The name of the patentee has been altered to **Validogen GmbH; BOEHRINGER INGELHEIM RCV GMBH & CO KG**

2011200868 CoDa Therapeutics, Inc. The name of the patentee has been altered to **Ocunexus Therapeutics, Inc.**

2011353115 AvidBiotics Corp. The name of the patentee has been altered to **XYPHOS BIOSCIENCES INC.**

2013

2013231455 Sandvik Hyperion AB The name of the patentee has been altered to **Hyperion Materials & Technologies (Sweden) AB**

2015

2015319825 Two Pore Guys, Inc. The name of the applicant has been altered to **Ontera Inc.**

2015330824 Texas Children's Hospital ; Annapragada, Ananth; Tanifum, Eric; Srivastava, Mayank The name of the applicant has been altered to **Texas Children's Hospital; Annapragada, A.; Tanifum, E.; Srivastava, M.**

2015357578 AvidBiotics Corp. The name of the patentee has been altered to **XYPHOS BIOSCIENCES INC.**

2015373451 Sandvik Hyperion AB The name of the applicant has been altered to **Hyperion Materials & Technologies (Sweden) AB**

2015373452 Sandvik Hyperion AB The name of the applicant has been altered to **Hyperion Materials & Technologies (Sweden) AB**

2016

2016215455 Two Pore Guys, Inc. The name of the applicant has been altered to **Ontera Inc.**

2016240212 HMNC Value GmbH The name of the applicant has been altered to **HMNC Diagnostics GmbH**

2016240213 HMNC Value GmbH The name of the applicant has been altered to **HMNC Diagnostics GmbH**

2016303611 AvidBiotics Corp. The name of the applicant has been altered to **XYPHOS BIOSCIENCES INC.**

2017

2017237981 Two Pore Guys, INC. The name of the applicant has been altered to **Ontera Inc.**

2017252575 Receptor Life Sciences, Inc. The name of the applicant has been altered to **Receptor Holdings, Inc.**

2017301767 Sunovion Pharmaceuticals, Inc. The name of the applicant has been altered to **PGI Drug Discovery LLC; Sunovion Pharmaceuticals Inc.**

Amendments

2017329108 Botanic Water Technologies Pty Ltd The name of the applicant has been altered to **Botanical Water Technologies Pty Ltd**

2017338464 Nippon Steel & Sumitomo Metal Corporation The name of the applicant has been altered to **Nippon Steel Corporation**

2017346799 Nippon Steel & Sumitomo Metal Corporation; Vallourec Oil and Gas France The name of the applicant has been altered to **Nippon Steel Corporation; Vallourec Oil and Gas France**

2017348009 Two Pore Guys, Inc. The name of the applicant has been altered to **Ontera Inc.**

2017366502 Pinglee, Stewart; Weilee, David The name of the applicant has been altered to **Lee, S.P.; Lee, D.W.**

2017382406 Arvinas, Inc.; Yale University The name of the applicant has been altered to **Arvinas Operations, Inc.; Yale University**

2018

2018208656 Two Pore Guys, Inc. The name of the applicant has been altered to **Ontera Inc.**

2018223040 AvidBiotics Corp. The name of the applicant has been altered to **XYPHOS BIOSCIENCES INC.**

2018236730 E. I. du Pont de Nemours and Company The name of the applicant has been altered to **THE CHEMOURS COMPANY FC, LLC.**

2019

2019200246 Nippon Steel & Sumitomo Metal Corporation The name of the applicant has been altered to **Nippon Steel Corporation**

2019204541 Medtronic PC Medical, Inc. The name of the applicant has been altered to **Medtronic PS Medical, Inc.**

2019901804 Murdoch University The name of the applicant has been altered to **Lions Eye Institute Ltd; Murdoch University**

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

Australian Patent/Patent Application 2013204752 in the name(s) of Novartis AG

Applications Open to Public Inspection

Name Index

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

<p>(71) 3M Innovative Properties Company (11) AU-A-2019204788 (21) 2019204788 (22) 03.07.2019 (54) Welding protector with magnifying cover (51) Int. Cl. A61F 9/06 (2006.01) (43) 25.07.2019 (62) 2017257466 (72) MAGNUSSON, Kristina M.; BILLINGSLEY, Britton G.; BROWN, Christopher M.; WONG, Timothy L.; JAREFORS, Kenneth; KRUSE, John M.; KIRSCHHOFFER, Jon A.; PILGRIM, John M. (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) 3M Innovative Properties Company (11) AU-A-2019204880 (21) 2019204880 (22) 08.07.2019 (54) Filter cartridge for translational insertion and rotational engagement of a manifold (51) Int. Cl. B01D 35/30 (2006.01) (43) 25.07.2019 (62) 2016318455 (72) SCHMOLL, Jeremy A. (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) 4D Pharma PLC (11) AU-A-2019204812 (21) 2019204812 (22) 04.07.2019 (54) Compositions comprising bacterial strains (51) Int. Cl. A61K 35/74 (2006.01) A61K 9/19 (2006.01) (43) 25.07.2019 (62) 2017294652 (72) Bernalier-Donadille, Annick; Crouzet, Laureen; Habouzit, Chloe (74) FB Rice Pty Ltd</p> <hr/> <p>(71) 4D Pharma PLC (11) AU-A-2019204819 (21) 2019204819 (22) 04.07.2019 (54) Compositions comprising bacterial strains (51) Int. Cl. A61K 35/74 (2006.01) A61K 9/19 (2006.01) (43) 25.07.2019 (62) 2017296126 (72) Crouzet, Laureen; Habouzit, Chloe; Bernalier-Donadille, Annick (74) FB Rice Pty Ltd</p> <hr/> <p>(71) 4D Pharma Research Limited (11) AU-A-2019204809</p>	<p>(21) 2019204809 (22) 04.07.2019 (54) Compositions comprising bacterial strains (51) Int. Cl. A61K 35/744 (2015.01) A61P 35/00 (2006.01) C12N 1/00 (2006.01) (43) 25.07.2019 (62) 2016357554 (72) Mulder, Imke Elisabeth; Holt, Amy Beth; Panzica, Domenico; McCluskey, Seanin Marie (74) FB Rice Pty Ltd</p> <hr/> <p>(71) A123 Systems, LLC (11) AU-A-2019204947 (21) 2019204947 (22) 10.07.2019 (54) HIGH POWER ELECTRODE MATERIALS (51) Int. Cl. C01B 25/45 (2006.01) C01B 25/37 (2006.01) H01M 4/02 (2006.01) H01M 4/58 (2006.01) (43) 25.07.2019 (62) 2018204689 (72) BECK, Larry; WILSON, Jennifer; XU, Chuanjing; SHI, Zhong-You; HAMMOUD, Maha (74) Smoorenburg Patent and Trade Mark Attorneys</p> <hr/> <p>(71) A123 Systems, LLC (11) AU-A-2019204949 (21) 2019204949 (22) 10.07.2019 (54) HIGH POWER ELECTRODE MATERIALS (51) Int. Cl. C01B 25/45 (2006.01) C01B 25/37 (2006.01) H01M 4/02 (2006.01) H01M 4/58 (2006.01) (43) 25.07.2019 (62) 2018204689 (72) BECK, Larry; WILSON, Jennifer; XU, Chuanjing; SHI, Zhong-You; HAMMOUD, Maha (74) Smoorenburg Patent and Trade Mark Attorneys</p> <hr/> <p>(71) ABB Schweiz AG (11) AU-A-2018286627 (21) 2018286627 (22) 31.12.2018 (54) Method for detecting earth-fault conditions in a power conversion apparatus (51) Int. Cl. G01R 31/02 (2006.01) H02H 3/16 (2006.01) H02H 9/02 (2006.01) (31) 18150887.0 (32) 09.01.18 (33) EP</p>	<p>(43) 25.07.2019 (72) SCALETTI, Silvio; GUERRIERO, Alessandro; GARGIULO, Matteo (74) Griffith Hack</p> <hr/> <p>(71) Accelergy Corporation; Shanghai Advanced Research Institute of the Chinese Academy of Science (11) AU-A-2019204906 (21) 2019204906 (22) 08.07.2019 (54) Producing fuels and biofertilizers from biomass (51) Int. Cl. C05F 11/08 (2006.01) A01C 21/00 (2006.01) C05C 11/00 (2006.01) C05G 3/04 (2006.01) C05G 3/08 (2006.01) (43) 25.07.2019 (62) 2014268332 (72) Fiato, Rocco A.; Sun, Yuhan; Allen, Mark; Zhao, Quanyu (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) Accenture Global Solutions Limited (11) AU-A-2018278846 (21) 2018278846 (22) 11.12.2018 (54) DATA SECURITY AND PROTECTION SYSTEM USING UNIQUENESS FACTOR CLASSIFICATION AND ANALYSIS (51) Int. Cl. G06F 21/60 (2013.01) G06Q 10/06 (2012.01) H04L 9/32 (2006.01) (31) 15/866,339 (32) 09.01.18 (33) US (43) 25.07.2019 (72) MCCOY, Anthony; WHELAN, Aoife (74) Murray Trento & Associates Pty Ltd</p> <hr/> <p>(71) Accenture Global Solutions Limited (11) AU-A-2019200046 (21) 2019200046 (22) 04.01.2019 (54) UTILIZING ARTIFICIAL INTELLIGENCE TO TEST CLOUD APPLICATIONS (51) Int. Cl. G06F 11/36 (2006.01) (31) 15/864,610 (32) 08.01.18 (33) US (43) 25.07.2019 (72) TAKAWALE, Paresh; DHUMAL, Dnyaneshwar Gangaram; GUPTA, Garima; PATIDAR, Mukul Dilip (74) Murray Trento & Associates Pty Ltd</p> <hr/> <p>(71) Accenture Global Solutions Limited (11) AU-A-2019200051 (21) 2019200051 (22) 04.01.2019 (54) UTILIZING AN ARTIFICIAL INTELLIGENCE MODEL DETERMINED</p>
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Applications Open to Public Inspection - Name Index cont'd

- FOR A TARGET DOMAIN BASED ON A DATASET ASSOCIATED WITH A SOURCE DOMAIN
- (51) Int. Cl.
G06N 7/08 (2006.01)
G06F 17/40 (2006.01)
- (31) 15/864,257 (32) 08.01.18 (33) US
(43) 25.07.2019
(72) LECUE, Freddy; KARZAND, Mohammad
(74) Murray Trento & Associates Pty Ltd
-
- (71) Accenture Global Solutions Limited
(11) AU-A-2019200055
(21) 2019200055 (22) 04.01.2019
(54) AUTOMATED SECURE IDENTIFICATION OF PERSONAL INFORMATION
- (51) Int. Cl.
G06F 17/27 (2006.01)
- (31) 15/866,171 (32) 09.01.18 (33) US
(43) 25.07.2019
(72) BHOWAN, Urvesh; SACLEANU, Bogdan Eugen; SHARMA, Navdeep; KEARNEY, Gavin; O'MALLEY, Laura; WHELAN, Aoife; UL AIN, Qurrat; MCCOY, Anthony
(74) Murray Trento & Associates Pty Ltd
-
- (71) Accenture Global Solutions Limited
(11) AU-A-2019204838
(21) 2019204838 (22) 04.07.2019
(54) DELIVERY PLATFORM FOR REAL-TIME LOCATIONS
- (51) Int. Cl.
G06Q 10/08 (2012.01)
- (43) 25.07.2019
(62) 2018203571
(72) VIJ, Meetika; KAKKAD, Hemant Manoharal; ANKARANARAYANAN, Sreyas Subramaniam; KUMBHAR, Madhuri Udhavrao; SHINDE, Reena; GUPTA, Nitin Kumar
(74) Murray Trento & Associates Pty Ltd
-
- (71) Adimab, LLC
(11) AU-A-2019204933
(21) 2019204933 (22) 09.07.2019
(54) Rationally designed, synthetic antibody libraries and uses therefor
- (51) Int. Cl.
C07K 16/00 (2006.01)
C12N 15/13 (2006.01)
- (43) 25.07.2019
(62) 2017210614
(72) Vasquez, Maximiliano; Feldhaus, Michael; Gerngross, Tillman U.; Wittrup, K. Dane
(74) FB Rice Pty Ltd
-
- (71) Adobe Inc.
(11) AU-A-2018253499
(21) 2018253499 (22) 23.10.2018
(54) DETERMINING STRATEGIC DIGITAL CONTENT TRANSMISSION TIME UTILIZING RECURRENT NEURAL NETWORKS AND SURVIVAL ANALYSIS
- (51) Int. Cl.
G06Q 30/00 (2012.01)
- (31) 15/867,169 (32) 10.01.18 (33) US
(43) 25.07.2019
(72) Sinha, Atanu; Garg, Sahil; Banerjee, Neha; Sinha, Moumita; Singh, Harvinder
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
-
- (71) Airway Medical Innovations Pty Ltd
(11) AU-A-2019204961
(21) 2019204961 (22) 10.07.2019
(54) Intubation device
- (51) Int. Cl.
A61B 1/267 (2006.01)
A61M 16/04 (2006.01)
- (43) 25.07.2019
(62) 2017251785
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(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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A61K 9/06 (2006.01)
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A61P 17/02 (2006.01)
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(72) HERZ, Scott; CHAUDHRI, Imran; CHRISTIE, Greg
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 DATTA, Keshava; NGUYEN, Thanh
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 Aharon; LUDWIN, Doron Moshe;
 KRUPNIK, Ronen
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 form and methods and uses thereof
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H04L 29/06 (2006.01)
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 Steven
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 THAT BIND LYMPHOCYTE ACTIVA-
 TION GENE-3 (LAG-3), AND USES
 THEREOF
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 TATION DEVICE
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 NETWORK SYSTEMS AND COM-
 PUTER-IMPLEMENTED METHODS
 FOR CRYPTOGRAPHICALLY-SE-
 CURED DISTRIBUTED DATA MAN-
 AGEMENT
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 Horacio; Seshagiri, Kishore; Wiegand,
 James; Maiellano, Elizabeth; Sampath,
 Rekha
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 neys Pty Ltd

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 (11) AU-A-2018200029
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 (54) A climate environmental control (dehu-
 midifier) unit with IFFT monitoring that
 speak with the unit to operated. It has
 the ability to inform occupant the - RH,
 Temp, VOC, CO2, PM with data logger
 to monitor on or off site to monitor the
 Indoor air quality of the home or com-
 mercial premises with the ability to re-
 mote activate if the relative humidity
 drops under the comfort zone (OSHA
 or EPA). This unique system setup is
 to help indoor air quality for a healthy
 home
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F24F 13/22 (2006.01)
F24F 1/02 (2011.01)
F24F 3/14 (2006.01)
F24F 11/00 (2018.01)
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 Monitoring System
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 Drug Delivery Protein
 (51) Int. Cl.
C12N 15/00 (2006.01)
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 METHOD
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H04W 40/00 (2009.01)
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 (54) CYCLIC PROSAPOSIN PEPTIDES AND USES THEREOF
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 (54) Shunt flusher
 (51) Int. Cl.
A61M 5/00 (2006.01)
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A61K 8/27 (2006.01)
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A61Q 11/00 (2006.01)
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 (21) 2019204864

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 (54) Method, system, and device for planning and performing guided and free-handed transperineal prostate biopsies
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 (54) Apparatus for endoscopic procedures
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 (54) Multilingual Character Input Device
 (51) Int. Cl.

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 (54) Refrigeration apparatus
 (51) Int. Cl.
F25B 1/00 (2006.01)
C09K 5/04 (2006.01)
C10M 105/32 (2006.01)
C10M 107/24 (2006.01)
C10M 129/18 (2006.01)
C10M 133/22 (2006.01)
C10M 169/04 (2006.01)
C10N 30/12 (2006.01)
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 (54) Method for using a mixture of fluorinated hydrocarbons as a refrigerant, and a refrigeration unit using the mixture as a refrigerant
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C09K 5/00 (2006.01)
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E06B 3/46 (2006.01)
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 (72) Dicker, Craig Harry Millington
 (74) Roger Syn & Co. Patent & Trade Mark Attorneys

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 (54) Customized patient-specific orthopaedic surgical instrumentation
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A61B 17/15 (2006.01)

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 B63C 9/115 (2006.01)
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 A41D 13/012 (2006.01)
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 (74) Armour IP Pty Ltd

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 (54) EXTRACTION OF LIPID FROM CELLS AND PRODUCTS THEREFROM
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 C12P 7/64 (2006.01)
 C11B 1/00 (2006.01)
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 (74) Phillips Ormonde Fitzpatrick

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 (54) Dispensing assembly
 (51) Int. Cl.
 B65D 47/06 (2006.01)
 B65D 77/06 (2006.01)
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 F23D 14/64 (2006.01)
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A61B 17/425 (2006.01)
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A61F 13/00 (2006.01)
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B29C 43/00 (2006.01)
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A61B 5/15 (2006.01)
B01D 43/00 (2006.01)
B01L 3/14 (2006.01)
C12M 1/00 (2006.01)
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A61L 27/58 (2006.01)
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 (74) Phillips Ormonde Fitzpatrick

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 (74) Allens Patent & Trade Mark Attorneys

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 B23K 9/32 (2006.01)
 E03C 1/02 (2006.01)
 F16L 5/00 (2006.01)
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 (74) Baxter Patent Attorneys Pty Ltd

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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.
 H04N 7/12 (2006.01)
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 (62) 2017265185
 (72) SUZUKI, Yoshinori; BOON, Choong Seng
 (74) Spruson & Ferguson

(71) NTT DOCOMO INC.
 (11) AU-A-2019204853
 (21) 2019204853 (22) 05.07.2019
 (54) Image predictive encoding device, image predictive encoding method, image predictive encoding program, image predictive decoding device, image predictive decoding method, and image predictive decoding program
 (51) Int. Cl.
 H04N 7/12 (2006.01)
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 (11) AU-A-2019204854
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 (54) Image predictive encoding device, image predictive encoding method, image predictive encoding program, image predictive decoding device, image predictive decoding method, and image predictive decoding program
 (51) Int. Cl.

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A61P 3/08 (2006.01)
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C12N 1/20 (2006.01)
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2018200119	Golden View Fabricating Ltd	2019204772	Google LLC
2018200120	Shirjeel, S.	2019204773	Zoetis Services LLC
2018200121	Dayview Window Company (Aust.) Pty. Ltd.	2019204774	iEP2 Research Pty Limited
2018200122	Bechara, G.	2019204775	Regeneron Pharmaceuticals Inc; Yale University; Institute for Research in Biomedicine (IRB)
2018200172	Kairouz, M.		Orangebox Limited
2018200202	Saferoads Pty Ltd	2019204780	XOMA Technology Ltd.
2018200244	Pargroup Engineering	2019204784	Ionis Pharmaceuticals, Inc.
2018202153	Tata Consultancy Services Limited	2019204786	Chang, B.S.
2018204367	Change Transit Ltd.	2019204787	KCI Licensing, Inc.
2018253499	Adobe Inc.	2019204788	3M Innovative Properties Company
2018256620	Tolle, S.	2019204789	Synedgen Inc.
2018264126	iRobot Corporation	2019204790	Daesan Biotech; Lee, G.H.; Yu, G.S.
2018264127	iRobot Corporation	2019204791	BR Invention Holding, LLC
2018264160	Fantech Pty Ltd	2019204794	Medicus Biosciences LLC
2018274834	Michael, D.; Wall, A.	2019204797	LifeScan, Inc.
2018274940	PELLENC	2019204799	DePuy Products, Inc.
2018275012	Devereux, B.J.; Conway, C.	2019204800	Nant Holdings IP, LLC
2018278846	Accenture Global Solutions Limited	2019204801	Blue Pegasos Pty Ltd
2018278909	Biosense Webster (Israel) Ltd.	2019204802	Wallgarden Pty Ltd
2018278963	Biosense Webster (Israel) Ltd.	2019204803	BRISTOL-MYERS SQUIBB COMPANY
2018282278	ArvinMeritor Technology, LLC	2019204804	Pulnova Medical (Wuxi) Co., Ltd.
2018282341	Britax Romer Kindersicherheit GmbH	2019204805	Amazon Technologies, Inc.
2018282389	Covidien LP	2019204808	United States Postal Service
2018282440	General Electric Company	2019204809	4D Pharma Research Limited
2018286618	Biosense Webster (Israel) Ltd.	2019204810	Alarm.com Incorporated
2018286619	Biosense Webster (Israel) Ltd.	2019204811	Implantica Patent Ltd
2018286627	ABB Schweiz AG	2019204812	4D Pharma PLC
2018350301	LG Electronics Inc.	2019204815	Cedars-Sinai Medical Center
2018357829	Unity Biotechnology, Inc.; Hudson, R.; Beausoleil, A.; Laberge, R.	2019204816	Fisher & Paykel Healthcare Limited
2019200007	SAMSUNG ELECTRONICS CO., LTD.	2019204817	Aristocrat Technologies Australia Pty Limited
2019200014	Proxene Tools Co., Ltd.	2019204818	Aristocrat Technologies Australia Pty Limited
2019200022	Impetux Optics, S.L.	2019204819	4D Pharma PLC
2019200033	GNT Biotech & Medicals Corporation	2019204820	Aristocrat Technologies Australia Pty Limited
2019200034	Tkach, J.	2019204830	Motz Enterprises, Inc.
2019200044	Aurora Flight Sciences Corporation	2019204832	Stryker Corporation
2019200046	Accenture Global Solutions Limited	2019204833	Northeastern Ohio Medical University
2019200047	Aurora Flight Sciences Corporation	2019204834	Aristocrat Technologies Australia Pty Limited
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2019200052	Morris Industries Ltd.	2019204836	SWIMC LLC
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2019200068	JCDecaux SA	2019204843	Prothera Inc.
2019200076	Yamaha Hatsudoki Kabushiki Kaisha; SRI International	2019204844	OCCAM BIOLABS, INC.
2019200077	Yamaha Hatsudoki Kabushiki Kaisha; SRI International	2019204848	CEM Corporation
2019200081	Glass Outlet IP Pty Ltd	2019204849	Colgate-Palmolive Company
2019200088	Ningbo Dongrun Mining Co., Ltd	2019204852	NTT DOCOMO INC.
2019200104	Yamaha Hatsudoki Kabushiki Kaisha; SRI International	2019204853	NTT DOCOMO INC.
2019200106	Hibberd, E.	2019204854	NTT DOCOMO INC.
2019200184	NILSSON, F.	2019204856	NTT DOCOMO INC.
2019200209	EVERETT, T.; SEDDON, J.	2019204858	DSM IP Assets B.V.
2019200210	EVERETT, T.; SEDDON, J.	2019204860	Casne Verige Pty Ltd
2019202135	Nuctech Company Limited	2019204862	The Arizona Board of Regents on Behalf of the University of Arizona
2019202175	Nuctech Company Limited	2019204864	CommScope Technologies LLC; CommScope Connectivity Belgium BVBA
2019202582	Translate Bio, Inc.; Ethris GmbH	2019204865	Daikin Industries, Ltd.
2019202824	Osmose Utilities Services, Inc.	2019204867	Aristocrat Technologies Australia Pty Limited
2019203558	Corbin Clinical Resources, LLC	2019204872	Genomatica, Inc.
2019204113	Joint Innovation Technology, LLC	2019204873	RSD Holdings Limited
2019204263	Parousia Investments Pty Ltd	2019204876	Ardex Anlagen GmbH
2019204597	Art Plastics Pty Ltd	2019204877	Huawei Technologies Co., Ltd.
2019204612	Daikin Industries, Ltd.	2019204879	DS Smith Plastics, Ltd.
2019204643	PURTON, W.W.	2019204880	3M Innovative Properties Company
2019204650	CHILDREN'S MEDICAL CENTER CORPORATION	2019204903	Genmab A/S
2019204656	Trepp Enterprises, Inc.	2019204905	Mayne Pharma International Pty Ltd
2019204679	Burton, D.		
2019204751	Echo 360, Inc.		

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2019204906	Accelergy Corporation; Shanghai Advanced Research Institute of the Chinese Academy of Science
2019204909	Biosense Webster (Israel) Ltd.
2019204911	Huawei Technologies Co., Ltd.
2019204913	Sarepta Therapeutics, Inc.
2019204915	Allergan Pharmaceuticals International Limited
2019204916	FarmHannong Co., Ltd.
2019204917	The Chinese University of Hong Kong
2019204918	Eupraxia Pharmaceuticals USA LLC
2019204923	Broadridge Financial Solutions, Inc.
2019204924	Victor Equipment Company
2019204928	Becton, Dickinson and Company
2019204929	Industrial Galvanizers Corporation Pty Ltd
2019204933	Adimab, LLC
2019204934	MedImmune, LLC
2019204938	Novartis AG
2019204941	Magnolia Medical Technologies, Inc.
2019204947	A123 Systems, LLC
2019204948	Stryker Corporation
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2019204950	Unilever PLC
2019204952	Children's Medical Center Corporation
2019204955	Gilbarco Inc.
2019204956	Bellator Pty Ltd
2019204957	Allergan, Inc.
2019204960	TNBT Holdings Pty Ltd
2019204961	Airway Medical Innovations Pty Ltd
2019204962	Covidien LP
2019204963	University of Vermont
2019204964	Physio-Control, Inc.
2019204965	Aristocrat Technologies Australia Pty Limited
2019204966	Visa International Service Association

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. (*) Title not in Roman characters
 . (**) Title not given
 (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

<p>(71) AERVISION TECHNOLOGIES PTY LTD (11) AU-A-2019100694 (21) 2019100694 (22) 25.06.2019 (54) A SYSTEM FOR WRITING CREDENTIAL INFORMATION ON A CREDENTIAL (51) Int. Cl. G07C 9/00 (2006.01) (45) 25.07.2019 (72) BIGDELI, Abbas; DADGOSTAR, Farhad (74) Phoenix Intellectual Property</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (11) AU-A-2019100680 (21) 2019100680 (22) 21.06.2019 (54) Fraud detection system in casino (51) Int. Cl. A63F 1/06 (2006.01) A63F 11/00 (2006.01) G06Q 50/10 (2012.01) G07F 17/32 (2006.01) (45) 25.07.2019 (62) 2016302657 (72) SHIGETA, Yasushi (74) FB Rice Pty Ltd</p> <hr/> <p>(71) Anhui University of Science and Technology (11) AU-A-2019100691 (21) 2019100691 (22) 24.06.2019 (54) SHAPE-CHANGING MULTI-FUNCTIONAL VESSEL BERTHING DEVICE HAVING FIVE DEGREES OF FREEDOM (51) Int. Cl. B63B 21/02 (2006.01) B63B 59/00 (2006.01) (45) 25.07.2019 (62) PCT/CN2017/108816 (72) Wang, Chengjun; Duan, Hao; Guo, Yongcun; Shen, Yuzhe; Wang, Yingji; Wang, Zihui (74) Madderns Pty Ltd</p> <hr/> <p>(71) Aunew Group Holdings Pty Ltd (11) AU-A-2019100625 (21) 2019100625 (22) 11.06.2019 (54) A high-resolution capable monitor matrix display system (51) Int. Cl. G09G 5/377 (2006.01) G06F 3/14 (2006.01) H04N 7/18 (2006.01) H04N 21/63 (2011.01)</p>	<p>(45) 25.07.2019 (72) ZHEN, JASON; CHEN, HAOXIANG; LI, ZHIJIE; YIN, GERRY; YE, LINDA (74) Patentec Patent Attorneys</p> <hr/> <p>Barker, P.M. see Fitzgerald, P.G. (21) 2019100689</p> <hr/> <p>(71) BISSELL Inc. (11) AU-A-2019100669 (21) 2019100669 (22) 20.06.2019 (54) Vacuum cleaner and dust plume reduction apparatus (51) Int. Cl. A47L 5/00 (2006.01) A47L 9/02 (2006.01) (31) 62/687,455 (32) 20.06.18 (33) US (45) 25.07.2019 (72) Pruiett, Jason W. (74) Griffith Hack</p> <hr/> <p>(71) Chengdu University of Technology (11) AU-A-2019100665 (21) 2019100665 (22) 19.06.2019 (54) A new device to protect local scour around submarine foundation (51) Int. Cl. E02D 5/60 (2006.01) E02B 3/04 (2006.01) (45) 25.07.2019 (72) Liu, Mingming; Liu, Qingyou; LV, Lin; Tang, Guoqiang; Zhu, Haiyan (74) Mingming Liu</p> <hr/> <p>(71) Choon's Design LLC (11) AU-A-2019100672 (21) 2019100672 (22) 20.06.2019 (54) Device for forming Brunnian links (51) Int. Cl. A44C 5/00 (2006.01) A44C 27/00 (2006.01) D03D 29/00 (2006.01) D04D 7/02 (2006.01) D04D 7/04 (2006.01) D04D 11/00 (2006.01) (31) 16/419,539 (32) 22.05.19 (33) US (45) 25.07.2019 (72) Ng, Cheong Choon (74) LAMINAR IP PTY LTD</p> <hr/> <p>(71) Choon's Design LLC (11) AU-A-2019100673 (21) 2019100673 (22) 20.06.2019 (54) Bracelet charm with alignment (51) Int. Cl. A44C 5/08 (2006.01) (31) 16/419,726 (32) 22.05.19 (33) US</p>	<p>(45) 25.07.2019 (72) Ng, Cheong Choon; Reed, Elizabeth (74) LAMINAR IP PTY LTD</p> <hr/> <p>(71) Clarke, I. (11) AU-A-2019100577 (21) 2019100577 (22) 30.05.2019 (54) Topical Dermal Anesthetic Anti-Scabies Crab Lice Cream (51) Int. Cl. A61K 31/167 (2006.01) A61K 9/00 (2006.01) A61K 31/137 (2006.01) A61K 31/201 (2006.01) A61K 31/245 (2006.01) A61K 47/08 (2006.01) A61K 47/14 (2017.01) A61K 47/44 (2017.01) (45) 25.07.2019 (72) Clarke, Leon (74) Leon Clarke</p> <hr/> <p>(71) Discover Energy Pty Ltd (11) AU-A-2019100705 (21) 2019100705 (22) 27.06.2019 (54) Distributed Energy Control (51) Int. Cl. H02J 3/00 (2006.01) H02J 13/00 (2006.01) (45) 25.07.2019 (72) HONGWEI ZHANG, Anson; CHANG YU, Jeff (74) Griffith Hack</p> <hr/> <p>(71) Dunn, S. (11) AU-A-2019100595 (21) 2019100595 (22) 03.06.2019 (54) Locomotive Fire and Suppression System The fire alarm control panel is used to provide an early warning to a possible fire within a locomotive, whether they are manned by an operator or monitored by a central control room for an unmanned locomotive. In the case of a confirmed fire, the fire control panel will release the fire suppression foam with the aim of extinguishing the fire and protecting the locomotive. (51) Int. Cl. G08B 17/06 (2006.01) A62C 37/36 (2006.01) G08B 25/14 (2006.01) (45) 25.07.2019 (72) Dunn, Simon (74) Simon Dunn</p> <hr/> <p>Fitzgerald, J.M. see Fitzgerald, P.G. (21) 2019100689</p>
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 (72) Fitzgerald, Paul Gerard; Fitzgerald, John Michael; Barker, Philip Matther
 (74) Fitweb Constructions Pty Ltd
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- (71) Foreverhold Limited
 (11) AU-A-2019100668
 (21) 2019100668 (22) 19.06.2019
 (54) A Method of Providing Secure Ownership of an Object
 (51) Int. Cl.
 G06K 19/073 (2006.01)
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 (72) ROWAN, Earle
 (74) FB Rice Pty Ltd
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- (71) Fuller Family Holdings Pty Ltd
 (11) AU-A-2019100660
 (21) 2019100660 (22) 18.06.2019
 (54) Shelving with a display support strip
 (51) Int. Cl.
 A47F 5/08 (2006.01)
 (31) 2018902492 (32) 09.07.18 (33) AU
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 (62) 2018204559
 (72) Fuller, Peter Ronald
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- (71) Healthe LLC
 (11) AU-A-2019100682
 (21) 2019100682 (22) 21.06.2019
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 (51) Int. Cl.
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 (45) 25.07.2019
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 (72) Barrett, Justin; Moe, Steven; Simmons, Bonnie; Tolle, Justin; Harris, Derek
 (74) Phillips Ormonde Fitzpatrick
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- (71) Mirza Agha Tabar, M.A.
 (11) AU-A-2019100687
 (21) 2019100687 (22) 23.06.2019
 (54) Distributed Compute Solution (DCS#) is a solution of providing, sharing and/or selling secure compute to anyone, anywhere and anytime without definite need to physical compute (PC and/or laptop) or monitor
 (51) Int. Cl.
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 (72) Mirza Agha Tabar, Mohammad Ali
 (74) Mohammad Ali Mirza Agha Tabar
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- (71) Muskett, D.
 (11) AU-A-2019100628
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 (54) Light commercial vehicle (van and ute) payload indicator dash mounted indicated by LED lights
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 B60Q 11/00 (2006.01)
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 (21) 2019100621 (22) 10.06.2019
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 A47J 41/00 (2006.01)
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 (72) Padgett, Destiny
 (74) Wilma Kin
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- (71) POLOPLAST GmbH & Co. KG
 (11) AU-A-2019100643
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 (54) Fixing Member and Pipe Connection Device
 (51) Int. Cl.
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<p>(71) Arch Chemicals, Inc. (11) AU-A-2018210354 (21) 2018210354 (22) 19.01.2018 (54) Low reactivity calcium hypochlorite shaped article (51) Int. Cl. <i>C02F 1/50</i> (2006.01) <i>A01N 25/34</i> (2006.01) <i>A01N 59/06</i> (2006.01) <i>C01B 11/06</i> (2006.01) <i>C02F 1/68</i> (2006.01) <i>C02F 1/76</i> (2006.01) <i>C02F 103/42</i> (2006.01) (87) WO2018/136746 (31) 62/448,553 (32) 20.01.17 (33) US (43) 26.07.2018 (72) Lei, Deqing; Rawat, Nidhi; Barton, Karllee (74) Shelston IP Pty Ltd.</p>	<p>(71) Ardyne Holdings Limited (11) AU-A-2018216091 (21) 2018216091 (22) 31.01.2018 (54) Method and tool for well abandonment and slot recovery (51) Int. Cl. <i>E21B 29/00</i> (2006.01) <i>E21B 23/04</i> (2006.01) <i>E21B 33/134</i> (2006.01) (87) WO2018/142122 (31) 1701644.5 (32) 01.02.17 (33) GB 1701649.4 01.02.17 GB (43) 09.08.2018 (72) Telfer, George (74) Baldwins Intellectual Property</p>	<p>(71) Ascus Biosciences, Inc. (11) AU-A-2017386658 (21) 2017386658 (22) 28.12.2017 (54) Methods, apparatuses, and systems for analyzing complete microorganism strains in complex heterogeneous communities, determining functional relationships and interactions thereof, and identifying and synthesizing bioreactive modifiers based thereon (51) Int. Cl. <i>C12Q 1/06</i> (2006.01) <i>A23K 10/18</i> (2016.01) <i>A23K 50/10</i> (2016.01) <i>A23K 50/75</i> (2016.01) <i>G16B 5/00</i> (2019.01) (87) WO2018/126026 (31) 62/439,800 (32) 28.12.16 (33) US 62/560,174 18.09.17 US (43) 05.07.2018 (72) Embree, Mallory; Gaffney, James Russell; Martino, Cameron Joseph (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) Ardelyx, Inc. (11) AU-A-2018206479 (21) 2018206479 (22) 09.01.2018 (54) Inhibitors of NHE-mediated antiport (51) Int. Cl. <i>C07D 401/14</i> (2006.01) <i>A61K 31/4725</i> (2006.01) <i>A61P 1/10</i> (2006.01) <i>A61P 9/12</i> (2006.01) <i>C07D 401/12</i> (2006.01) (87) WO2018/129557 (31) 62/444,338 (32) 09.01.17 (33) US (43) 12.07.2018 (72) Dotsenko, Irina; Dragoli, Dean; Lewis, Jason (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Asahi Glass Company, Limited (11) AU-A-2018208279 (21) 2018208279 (22) 11.01.2018 (54) Powder coating material, method for producing substrate with coating film, coated article and fluorine-containing polymer (51) Int. Cl. <i>C09D 127/12</i> (2006.01) <i>B05D 7/24</i> (2006.01) <i>B32B 27/30</i> (2006.01) <i>C08F 214/18</i> (2006.01) <i>C08F 220/04</i> (2006.01) <i>C09D 5/03</i> (2006.01) <i>C09D 133/00</i> (2006.01) (87) WO2018/131655 (31) 2017-003520 (32) 12.01.17 (33) JP (43) 19.07.2018 (72) Hasegawa, Yui; Hara, Yuji; Sumi, Naoko; Saito, Shun (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Ascus Biosciences, Inc. (11) AU-A-2017388532 (21) 2017388532 (22) 28.12.2017 (54) Methods, apparatuses, and systems for analyzing microorganism strains in complex heterogeneous communities, determining functional relationships and interactions thereof, and diagnostics and biostate management based thereon (51) Int. Cl. <i>C12Q 1/06</i> (2006.01) <i>C12N 1/20</i> (2006.01) <i>C12Q 1/689</i> (2018.01) <i>G16B 5/00</i> (2019.01) (87) WO2018/126033 (31) 62/560,174 (32) 18.09.17 (33) US 62/439,804 28.12.16 US (43) 05.07.2018 (72) Embree, Mallory; Martino, Cameron Joseph (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) Ardyne Holdings Limited (11) AU-A-2018215387 (21) 2018215387 (22) 31.01.2018 (54) Improvements in or relating to well abandonment and slot recovery (51) Int. Cl. <i>E21B 29/00</i> (2006.01) <i>E21B 23/04</i> (2006.01) <i>E21B 33/134</i> (2006.01) (87) WO2018/142123 (31) 1701649.4 (32) 01.02.17 (33) GB</p>	<p>(71) Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd. (11) AU-A-2016432203 (21) 2016432203 (22) 13.12.2016 (54) Beverage discharge cock, valve rod, and beverage dispenser (51) Int. Cl. <i>B67D 1/04</i> (2006.01) <i>B67D 3/04</i> (2006.01) (87) WO2018/109834 (43) 21.06.2018 (72) Takahashi, Tomohiro; Kurabe, Yasuhiro; Imai, Hirofumi; Shiraiishi, Kazuya (74) Spruson & Ferguson</p>	<p>(71) Ascus Biosciences, Inc. (11) AU-A-2017388535 (21) 2017388535 (22) 28.12.2017 (54) Methods, apparatuses, and systems for microorganism strain analysis of complex heterogeneous communities with tracer analytics, determination of functional relationships and interactions thereof, and synthesis of microbial ensembles including dosed microbial ensembles and inoculative microbial ensembles (51) Int. Cl.</p>
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A61M 5/142 (2006.01)
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(54) Method for the control of plant bacterial diseases using carboxamide derivatives
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A01N 37/50 (2006.01)
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B60W 40/10 (2012.01)
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A61K 31/506 (2006.01)
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A61C 13/00 (2006.01)
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B01D 65/02 (2006.01)
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G16H 20/17 (2018.01)
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A61P 1/00 (2006.01)
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G21F 9/00 (2006.01)
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C01B 32/50 (2017.01)
F23C 10/00 (2006.01)
F23C 10/01 (2006.01)
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E04H 12/34 (2006.01)
F03D 13/10 (2016.01)
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 icide containing said compound, and
 method for using same
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 A01N 43/90 (2006.01)
 A01P 5/00 (2006.01)
 A01P 7/02 (2006.01)
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 said insecticide
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B32B 27/08 (2006.01)
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H04W 80/04 (2009.01)
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2016431877	Bayley, J.	2017374873	University of Hawai'i
2016432203	Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.	2017375095	Daikin Industries, Ltd.
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2016432620	Hangzhou Great Star Industrial Co., Ltd.; Hangzhou Great Star Tools Co., Ltd.	2017375652	Iviva Medical, Inc.
2016433840	Ball Corporation	2017375758	Hanwha Azdel, Inc.
2016434076	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2017375819	AM Sciences Inc
2016434529	Huawei Technologies Co., Ltd.	2017375855	China University of Mining and Technology
2016434590	L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude	2017375899	Calderon Agudo, O.
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2017314833	The Regents of The University of California	2017376239	MedImmune, LLC
2017363979	Heat and Control, Inc.	2017376517	Crystal Pharmaceutical (Suzhou) Co., Ltd.
2017364484	Big Picture Vision Proprietary Limited	2017376688	Purple Innovation, LLC
2017366502	Pinglee, S.; Weilee, D.	2017376827	CMTE Development Limited
2017370653	The Board of Trustees of the Leland Stanford Junior University	2017376837	The Crown in the right of the State of New South Wales acting through the Department of Primary Industries, an office of the NSW Department of Industry, Skills and Regional Development
2017370694	Icahn School of Medicine at Mount Sinai	2017377015	Inner Cosmos LLC
2017370696	Proven Fitness Solutions, LLC	2017377068	SynPloid Biotek, LLC
2017370908	Northrup, C.	2017377149	Dead Sea Works Ltd.
2017370920	Horizon Global Americas Inc.	2017377490	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2017371146	Hyosung Heavy Industries Corporation	2017377666	Bellator Pty Ltd
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2017371167	Hyosung Heavy Industries Corporation	2017378078	The Regents of The University of Colorado, a body corporate
2017371197	UniEnergy Technologies, LLC	2017378092	Idorsia Pharmaceuticals Ltd
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2017371353	Celtaxsys, Inc.	2017378220	GOJO Industries, Inc.
2017371361	Northrop Grumman Innovation Systems, Inc.	2017378251	Michelsoni, A.
2017371362	Celtaxsys, Inc.	2017378412	Nanospectra Biosciences, Inc.
2017371377	Pixelrunner GmbH	2017378481	Pulse Health LLC
2017371380	Global Aquatica Pty Ltd	2017378531	Ishida Co., Ltd.
2017371384	Rotacaster Wheel Pty Ltd	2017379041	Betta Pharmaceuticals Co., Ltd
2017371402	The University of Adelaide	2017379048	Innovent Biologics (Suzhou) Co., Ltd.
2017371467	Topical Innovations B.V.; Keppel Hesselink, J.	2017379368	NAKK (Bowral) Pty Ltd
2017371471	Leo Dynamische Investerings B.V.	2017379412	Rising Phoenix Industries Pty Ltd
2017371479	Burdis, C.	2017379798	915 Labs, LLC
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2017371544	Liquid Division Limited	2017380307	POSCO; Research Institute of Industrial Science & Technology
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2017386120	Dow Global Technologies LLC	2018205275	Yumanity Therapeutics, Inc.
2017386658	Ascus Biosciences, Inc.	2018205277	The Johns Hopkins University; Institute of Organic Chemistry and Biochemistry AS CR v.v.i.
2017386682	Innvax, Inc.; The Regents of the University of California	2018205292	PhotoniCare, Inc.
2017386695	Huawei Technologies Co., Ltd.	2018205327	Rempex Pharmaceuticals, Inc.
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2017390991	Dainihon Jochugiku Co., Ltd.	2018206902	E3D Agricultural Cooperative Association Ltd
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2017391798	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2018207113	Berkshire Biomedical, LLC
2017392542	ZTE Corporation	2018207167	Aimmune Therapeutics, Inc.
2017393044	Fuji Light Metal Co., Ltd.; Japan Medical Device Technology Co., Ltd.	2018207259	Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children)
2017393059	Osaka University	2018207266	Cryoshelter GmbH
2017393082	AgeneBio, Inc.	2018207302	Drawbridge Health, Inc.
2017393094	Telefonaktiebolaget LM Ericsson (publ)	2018207303	Nodus Therapeutics
2017393148	Sony Corporation	2018207305	Juno Therapeutics, Inc.
2017393149	Sony Corporation	2018207309	Colgate-Palmolive Company
2017393950	MinEx CRC Ltd	2018207318	Institut National Universitaire Jean-Francois Champollion; Universite Toulouse III - Paul Sabatier; Institut National de la Sante et de la Recherche Medicale (INSERM); Universite de Rouen-Normandie
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2017394571	Daewoong Co., Ltd.	2018207580	MYD Consulting Pty Ltd
2017394777	MinEx CRC Ltd	2018207620	Uber Technologies, Inc.
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2017395383	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2018207946	Probi AB
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2017397647	Cryovac, LLC		
2017397831	Officine Maccaferri S.p.A.		

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2018208549	Imdpharm Inc.	2018215387	Ardyne Holdings Limited
2018208574	Emerging Compounds Treatment Technologies, Inc.	2018215673	Dana-Farber Cancer Institute, Inc.
2018208596	Rezvani, B.	2018215786	Lucid Software, Inc.
2018208822	Expro North Sea Limited	2018215794	Rainier Therapeutics, Inc.
2018208846	Pfizer Inc.	2018215862	Memjet Technology Limited
2018209006	Sunshine Lake Pharma Co., Ltd.; North & South Brother Pharmacy Investment Company Limited	2018215868	Memjet Technology Limited
2018209051	Inventio AG	2018216091	Ardyne Holdings Limited
2018209150	Ablynx NV	2018216969	Janssen Pharmaceutica NV
2018209151	Ablynx NV	2018217056	Rock West Medical Devices, LLC
2018209225	Perspectum Diagnostics Ltd	2018217387	AlgiPharma AS
2018209227	Pleonova AB	2018217444	Vale S.A.; Serviço Nacional de Aprendizagem Industrial, Departamento Regional da Bahia
2018209256	Konecranes Global Corporation	2018217684	Fresenius Vial SAS
2018209365	Oxford Nanopore Technologies Limited	2018217728	Hypertherm, Inc.
2018209526	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2018217789	Syngenta Participations AG
2018209592	AFYX Therapeutics A/S	2018217864	Hugo Petersen GmbH
2018209649	British American Tobacco (Investments) Limited	2018217932	Steeper Energy ApS
2018209659	General Electric Technology GmbH	2018218257	RxSight, Inc.
2018209887	Equinor Energy AS	2018218548	Pfizer Inc.
2018209945	Novomer, Inc.	2018218550	Gouws, P.
2018210166	La Jolla Pharmaceutical Company	2018218823	Asarina Pharma AB
2018210174	Protagonist Therapeutics, Inc.	2018218965	Daewoong Pharmaceutical Co., Ltd.
2018210354	Arch Chemicals, Inc.	2018219022	CC3D LLC
2018210375	Atara Biotherapeutics, Inc.; The Council of the Queensland Institute of Medical Research	2018219066	Adhezion Biomedical, LLC
2018210393	The Regents of The University of California; United States Government Represented By The Department Of Veterans Affairs	2018219188	Shell Internationale Research Maatschappij B.V.
2018210397	Exelixis, Inc.	2018219247	Silbiotech, Inc.
2018210525	Genentech, Inc.	2018219276	Urschel Laboratories, Inc.
2018210839	Principia Biopharma Inc.	2018219354	Genomic Health, Inc.
2018210857	Drum Workshop, Inc.	2018219369	Microsoft Technology Licensing, LLC
2018210944	Omnioime, Inc.	2018219383	Unilever PLC
2018210951	Equalaire Systems, Inc.	2018219561	Richter, B.
2018211401	Solberg, D.	2018219569	Sandoz AG
2018211533	Appario Global Solutions (AGS) AG	2018220617	GE Global Sourcing LLC
2018211539	Vect-Horus; Centre National de la Recherche Scientifique; Universite d'Aix-Marseille	2018220685	Goff Omega Holdings, LLC
2018211956	Exact Sciences Development Company, LLC; Mayo Foundation for Medical Education and Research	2018220903	Research Triangle Institute
2018212012	Alexion Pharmaceuticals, Inc.	2018221016	GeoRoc International, Inc.
2018212329	Clean Air Enterprise AG	2018221143	Bayer Aktiengesellschaft
2018212372	SIG Technology AG	2018221145	GeoRoc International, Inc.
2018212436	UCB Biopharma SPRL	2018221352	E.I. du Pont de Nemours and Company
2018212438	UCB Biopharma SPRL	2018221477	Casale SA
2018212514	Inventio AG	2018221518	Mubea Carbo Tech GmbH
2018212593	Chiesi Farmaceutici S.p.A.	2018221877	Caroma Industries Limited
2018212601	Clean Air Enterprise AG	2018222744	Fidelity National Information Services, Inc.; Equifax, Inc.
2018212610	Telefonaktiebolaget LM Ericsson (publ)	2018222815	BioCool AB
2018212787	Janssen Biotech, Inc.	2018223066	Memjet Technology Limited
2018212788	Janssen Biotech, Inc.	2018223316	Medicortex Finland Oy
2018213056	Lesaffre et Compagnie	2018223317	Novartis AG
2018213117	University of Newcastle Upon Tyne	2018224240	Crane & Co., Inc.
2018213119	Cyclacel Limited	2018224393	Acergy France SAS
2018213281	Honeywell International Inc.	2018225077	Microsoft Technology Licensing, LLC
2018213315	Oklahoma Medical Research Foundation	2018225083	Merck Sharp & Dohme Corp.
2018213326	Cardiac Pacemakers, Inc.	2018225099	Merck Sharp & Dohme Corp.
		2018225312	Janssen Pharmaceutica NV
		2018225340	Indizen Optical Technologies of America, LLC
		2018225519	GOJO Industries, Inc.
		2018226188	Ecolean AB
		2018226614	Howell, S.; Simpson, A.
		2018227551	Intergraph Corporation
		2018228268	Wenck, R.

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

2018231464 Nippon Steel Corporation; Vallourec Oil and Gas
 France
2018233432 Neoperl GmbH
2018233665 Alfa Laval Olmi S.p.A
2018236049 GeoRoc International, Inc.
2018236672 Daewoong Pharmaceutical Co., Ltd.
2018237535 Intergraph Corporation
2018237917 SICPA Holding SA
2018240050 TTI (Macao Commercial Offshore) Limited
2018241793 Societe des Produits Nestle S.A.
2018242140 Kverneland Group Kerteminde AS
2018249909 Universal Achemetal Titanium, LLC
2018253657 Guangdong OPPO Mobile Telecommunications Corp.,
 Ltd.
2018258521 Komatsu Ltd.
2018259305 Guangdong Oppo Mobile Telecommunications Corp.,
 Ltd.
2018263023 Guangdong OPPO Mobile Telecommunications Corp.,
 Ltd.
2018265974 Guangdong OPPO Mobile Telecommunications Corp.,
 Ltd.
2018268147 DEB IP Limited
2018275182 Wenger Manufacturing Inc.
2018294140 Shinshu University; Kotobuki Tsushou Co., Ltd.
2018328752 Mantzis Holdings Pty Ltd.
2018332727 Medtronic Minimed, Inc.
2018341911 McMullen, T.
2018350301 LG Electronics Inc.
2018355156 Dow Global Technologies LLC; Rohm and Haas Com-
 pany
2018357829 Unity Biotechnology, Inc.; Hudson, R.; Beausoleil, A.;
 Laberge, R.
2018370536 Coin Rides Pty Ltd
2018376951 Afiniti Europe Technologies Limited
2018383093 Afiniti Europe Technologies Limited
2018385685 Andritz Inc.
2018393127 Repro-Med Systems, Inc.
2018398704 Jiangsu Goldwind Science & Technology Co., Ltd.
2019202135 Nuctech Company Limited
2019202175 Nuctech Company Limited
2019204113 Joint Innovation Technology, LLC

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<u>A01C 5 /-</u>	<u>A01P 1 /-</u>	<u>A23L 27 /-</u>	<u>A45D 33 /-</u>	2018223316	2017373239
2018240050	2017377773	2018241793	2018228268	2018332727	2017373593
<u>A01C 7 /-</u>	<u>A01P 17 /-</u>	<u>A23L 29 /-</u>	<u>A45D 34 /-</u>	<u>A61B 6 /-</u>	2017376517
2017382800	2018208422	2017385721	2018228268	2018209225	2017378092
<u>A01D 43 /-</u>	<u>A01P 3 /-</u>	2018219383	<u>A46B 17 /-</u>	<u>A61B 8 /-</u>	2017378203
2017406396	2017375901	2018241793	2018228268	2017375899	2017379041
2018242140	2017382943	<u>A23L 3 /-</u>	<u>A47C 20 /-</u>	<u>A61C 13 /-</u>	2017379412
<u>A01G 7 /-</u>	<u>A01P 5 /-</u>	2017379798	2017376688	2018214527	2017380092
2017387699	2017388691	<u>A23L 33 /-</u>	<u>A47C 21 /-</u>	<u>A61C 19 /-</u>	2017381059
<u>A01K 69 /-</u>	<u>A01P 7 /-</u>	2017380092	2017376688	2017388999	2017381394
2017371479	2017388691	<u>A23L 35 /-</u>	<u>A47C 27 /-</u>	2018207113	2017388466
<u>A01M 1 /-</u>	2017388692	2018241793	2018328752	<u>A61C 8 /-</u>	2017388692
2018207777	2017390991	<u>A23L 5 /-</u>	<u>A47C 31 /-</u>	2017388999	2017393082
<u>A01M 29 /-</u>	<u>A21C 11 /-</u>	2017375651	2017376688	2018205275	2018205277
2018207777	2017363979	2018207167	<u>A47J 27 /-</u>	2018205327	2018205496
<u>A01N 25 /-</u>	<u>A21C 14 /-</u>	2018241793	2017380411	2018205790	2018206453
2017390991	2017363979	<u>A23L 7 /-</u>	<u>A47K 3 /-</u>	2018206479	2018207033
2018210354	<u>A21C 3 /-</u>	2017375651	2018225519	2018207305	2018208846
2018214966	2017363979	2018207167	<u>A47K 5 /-</u>	2018209006	2018209592
<u>A01N 33 /-</u>	<u>A21C 9 /-</u>	<u>A23N 17 /-</u>	2017378220	2018210393	2018210397
2018222815	2017363979	2017385721	2018225519	2018210525	2018210839
<u>A01N 37 /-</u>	<u>A21D 13 /-</u>	2018275182	<u>A61B 1 /-</u>	2018212436	2018212593
2017377773	2017363979	<u>A23P 10 /-</u>	2018205292	2018212787	2018212788
2017382943	<u>A21D 6 /-</u>	2017385792	2018217056	2018212788	2018213119
<u>A01N 43 /-</u>	2017363979	<u>A23P 30 /-</u>	<u>A61B 10 /-</u>	2018213886	2018213886
2017377773	<u>A21D 9 /-</u>	2017385721	2017371495	2018215386	2018216969
2017388691	2017372671	2018275182	2018223316	2018217387	2018217387
2017388692	2018241793	<u>A24F 47 /-</u>	<u>A61B 17 /-</u>	2018218823	2018218823
2018207051	<u>A23K 10 /-</u>	2018209649	2018219066	2018218965	2018218965
2018208422	2017385721	<u>A41D 13 /-</u>	<u>A61B 18 /-</u>	2018220903	2018220903
2018217789	2017386658	2018219022	2017378412	2018236672	2018236672
<u>A01N 47 /-</u>	<u>A23K 40 /-</u>	2018219022	<u>A61B 3 /-</u>	2018357829	2018357829
2017388692	2017385721	2018207710	2017364484	<u>A61J 7 /-</u>	<u>A61K 35 /-</u>
2018214966	<u>A23K 50 /-</u>	<u>A41D 19 /-</u>	2017372951	2018207113	2017371301
<u>A01N 53 /-</u>	2017385721	2018208304	<u>A61B 5 /-</u>	<u>A61K 101 /-</u>	2017380471
2017390991	<u>A23L 19 /-</u>	<u>A42B 3 /-</u>	2017372951	2018211539	2017393059
<u>A01N 59 /-</u>	2017385721	<u>A45C 5 /-</u>	2017372951	<u>A61K 103 /-</u>	2018207946
2017375901	2017386658	2017371384	2017372951	2018211539	2018209227
2018210354	<u>A23L 23 /-</u>	<u>A45D 29 /-</u>	<u>A61B 8 /-</u>	<u>A61K 36 /-</u>	2018210375
<u>A01N 65 /-</u>	2017375651	2018341911	2017372251	2017379412	2018213397
2017382943	2018219383			<u>A61K 38 /-</u>	2017370694
				2017314833	2017370694
				2017370694	2017371301
				2017371301	2017371348
				2017371348	2017371353
				2017371353	2017371362
				2017371362	2017371467
				2017371467	2017371736
				2017371736	2017372251
				2017372251	2017381449
					2017383101

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2017386682	2017371736	2018210525	2017393082	A63F 13 /-	B01J 29 /-
2017390396	2017375819		2018205277		
2017394571	2017378203	A61P 17 /-	2018205401	2017371954	2017383046
2017397569	2017380092		2018206453	2018370536	
2018205496	2017394571	2017314833	2018206481		B01J 35 /-
2018207303	2017397569	2017380471	2018207305	B01D 19 /-	
2018208077	2018205496	2018210525	2018207318		2017383045
2018208078	2018208549		2018208846	2018221143	2017383046
2018208549	2018209592	A61P 19 /-	2018209006		
2018210166	2018210397		2018210393	B01D 3 /-	B01J 37 /-
2018210174	2018215386	2017371736	2018210397	2017381487	2017383045
2018213397		2018206453	2018210525		2017383046
2018225083	A61L 2 /-	A61P 25 /-	2018211539	B01D 53 /-	
A61K 39 /-	2018219066		2018212436		B01J 6 /-
		2017372251	2018212787	2017381487	
2017371301	A61L 24 /-	2017378092	2018212788	2018208574	2018221016
2017379048		2017378203	2018213119	2018217864	
2017386682	2018219066	2017388466	2018216969		B01J 8 /-
2017387041		2017393082		B01D 59 /-	
2018205272	A61L 27 /-	2018205277	A61P 37 /-		2018217864
2018205401		2018210375		2018294140	
2018205496	2017375652	2018210525	2017372251		B01L 1 /-
2018205808	2017393044	2018212436	2018205496	B01D 61 /-	
2018206291	2017393059	2018213886	2018207946		2017387829
2018206531		2018218823	2018210839	2017390662	B03C 3 /-
2018207305	A61M 25 /-	2018220903		2018206467	
2018207440			A61P 43 /-	B01D 65 /-	2018212329
2018208078	2018208460	A61P 27 /-			
2018212012			2017381059	2017373828	B05B 12 /-
2018215673	A61M 31 /-	2017383101		2017390662	
2018215794		2017393059	A61P 5 /-		2017371377
2018225099	2018207113			B01D 67 /-	B05B 13 /-
	A61M 39 /-	A61P 29 /-	2017373239		
A61K 45 /-			2018210525	2017373828	2017371377
	2017388223	2017371348	A61P 7 /-	B01D 69 /-	
2017371301		2017371353			B05B 15 /-
2018205496	A61M 5 /-	2017371362	2017376517	2017373828	
2018210397		2018205790	2017381449		2017371377
	2017371736	A61P 3 /-	2018210166	B01D 71 /-	
A61K 47 /-	2017376239				B05B 9 /-
	2017388222	2017373239	A61P 9 /-	2017373828	
2017371467	2017388223	2017373651		B01F 15 /-	2017371377
2017372886	2018206902	2017379048	2017373239		B05D 7 /-
2017378203	2018217684	2017380092	2018206479	B01F 3 /-	
2017394571	2018393127	2018209006	A61Q 11 /-	2017390662	2018208279
2017397569		2018210166			
2018205496	A61N 1 /-		2018207309	B01F 3 /-	B07C 3 /-
2018205790		A61P 31 /-			
2018218548	2017377015		A61Q 19 /-	2017390662	2017397647
	2018208485	2017372886		B01J 13 /-	
A61K 48 /-	2018213326	2017379412	2017373651		B07C 5 /-
		2017381394	2018268147	2017372671	2017380581
2017375819	A61N 5 /-	2017383101		2017385721	2017397647
		2018205327	A63B 22 /-	2017385792	
A61K 49 /-	2017378412	2018206531			B08B 15 /-
		2018207033	2017370696	B01J 19 /-	
2017372886	A61P 1 /-	2018207318			2017387829
2018211539		2018209227	A63B 23 /-	2017379798	
	2018206479	2018210525		2017381487	B08B 9 /-
A61K 51 /-	2018209006	2018212787	2017370696	2018209365	
	2018209227	2018212788	A63B 26 /-		2018209887
2018211539	2018210174			B01J 2 /-	
	2018210525	A61P 33 /-	2017370696		B09B 3 /-
A61K 8 /-				2018355156	
	A61P 11 /-	2017388692	A63B 69 /-		2018206475
2017314833				B01J 23 /-	
2017373651	2018210525	A61P 35 /-	2017370696	2017383045	B09B 5 /-
2018207309	2018212593			2017383046	
2018268147	A61P 13 /-	2017372251	A63B 71 /-		2018206475
		2017373651			
A61K 9 /-		2017379041			
	2018205327	2017384388	2018214527		
2017371467	2018210166				

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<u>B21C 51/-</u>	<u>B28D 1/-</u>	<u>B42D 25/-</u>	<u>B65B 31/-</u>	<u>B65D 85/-</u>	<u>C02F 103/-</u>
2017385520	2018205346	2018237917	2017397647 2018328752	2017383549 2018205426 2018209256	2018210354 2018222815
<u>B21F 23/-</u>	<u>B29C 45/-</u>	<u>B60C 23/-</u>	<u>B65B 41/-</u>	<u>B65D 88/-</u>	<u>C02F 3/-</u>
2017385520	2018221518	2018210951	2017397647	2017383126 2018209256	2017390662
<u>B21F 27/-</u>	<u>B29C 65/-</u>	<u>B60P 1/-</u>	<u>B65B 43/-</u>	<u>B65G 67/-</u>	<u>C03C 17/-</u>
2017397831	2017397647	2017383126	2017397647 2018205799 2018226188	2017371916	2018205713 2018205723
<u>B23D 49/-</u>	<u>B31B 70/-</u>	<u>B60P 3/-</u>	<u>B65B 57/-</u>	<u>B65H 49/-</u>	<u>C04B 12/-</u>
2017371711	2017378531	2017383126	2017397647	2017393950	2017399309
<u>B23D 51/-</u>	<u>B32B 1/-</u>	<u>B60T 17/-</u>	<u>B65B 59/-</u>	<u>B66B 23/-</u>	<u>C04B 18/-</u>
2017371711	2018221518	2017370920	2017397647	2018209051	2017381405
<u>B23D 57/-</u>	<u>B32B 15/-</u>	<u>B60T 7/-</u>	<u>B65B 61/-</u>	<u>B66B 5/-</u>	<u>C04B 22/-</u>
2017371711	2018221518	2017370920	2018205799	2018212514	2017381405 2017399309
<u>B23K 9/-</u>	<u>B32B 27/-</u>	<u>B60T 8/-</u>	<u>B65B 63/-</u>	<u>B66C 19/-</u>	<u>C04B 28/-</u>
2017391412	2017375758 2018208279 2018212372 2018221518	2017370920	2018328752	2018209256	2017381405 2017399309
<u>B23Q 11/-</u>	<u>B32B 29/-</u>	<u>B60W 40/-</u>	<u>B65B 65/-</u>	<u>B66C 23/-</u>	<u>C04B 35/-</u>
2017371711	2018212372	2016431877	2017397647	2018207019	2017381405
<u>B23Q 13/-</u>	<u>B32B 3/-</u>	<u>B60W 50/-</u>	<u>B65B 9/-</u>	<u>B67D 1/-</u>	<u>C05B 11/-</u>
2017371711	2018212372 2018221518	2016431877	2017378531	2016432203 2017394249	2017375901
<u>B25B 7/-</u>	<u>B32B 37/-</u>	<u>B62B 3/-</u>	<u>B65D 1/-</u>	<u>B67D 3/-</u>	<u>C05B 17/-</u>
2016432620	2018221518	2017383363 2018209256 2019202135	2017379798	2016432203	2017375901
<u>B25D 17/-</u>	<u>B32B 5/-</u>	<u>B62B 5/-</u>	<u>B65D 25/-</u>	<u>C01B 11/-</u>	<u>C05C 9/-</u>
2017390178	2018221518	2017383363	2018219561	2018210354	2018214966
<u>B25D 9/-</u>	<u>B32B 7/-</u>	<u>B62D 57/-</u>	<u>B65D 51/-</u>	<u>C01B 17/-</u>	<u>C05D 1/-</u>
2017390178	2017375758 2018212372 2018221518	2018217444	2017371544 2018228268	2018217864	2017377149
<u>B25G 1/-</u>	<u>B32B 7/-</u>	<u>B62D 61/-</u>	<u>B65D 6/-</u>	<u>C01B 3/-</u>	<u>C06B 43/-</u>
2016432620	2018212372 2018221518	2018209256	2018219561	2018214190	2017376827
<u>B25H 7/-</u>	<u>B41J 13/-</u>	<u>B62D 63/-</u>	<u>B65D 75/-</u>	<u>C01B 32/-</u>	<u>C07C 217/-</u>
2018211401	2018221518	2017383126	2018219066	2017383045 2017383046	2017371353
<u>B26B 29/-</u>	<u>B41J 2/-</u>	<u>B62D 65/-</u>	<u>B65D 79/-</u>	<u>C01F 1/-</u>	<u>C07C 225/-</u>
2017371711	2018215862	2017383126	2017371544 2017383549	2017375901	2018210393
<u>B26D 1/-</u>	<u>B41J 3/-</u>	<u>B64F 1/-</u>	<u>B65D 8/-</u>	<u>C02F 1/-</u>	<u>C07C 229/-</u>
2018219276	2018214700 2018215862 2018215868 2018223066	2017395527	2018219561	2017371380 2017381487 2018206467 2018209945 2018210354 2018222815	2017371353 2018207033
<u>B26D 7/-</u>	<u>B41J 3/-</u>	<u>B65B 1/-</u>	<u>B65D 81/-</u>		<u>C07C 237/-</u>
2018219276	2017371377	2018205799	2017379798 2017386120 2018228268		2017371362
<u>B27B 21/-</u>	<u>B41M 3/-</u>	<u>B65B 11/-</u>			<u>C07C 317/-</u>
2017371711	2018237917	2017397647			2017373593
<u>B27G 19/-</u>					
2017371711					

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<u>C07C 321 /-</u>	<u>C07D 403 /-</u>	<u>C07F 5 /-</u>	<u>C07K 19 /-</u>	<u>C09D 5 /-</u>	2018205472
2017395027	2017371362	2018210839	2017371217	2018208279	2018207305
2018210393	2018217789				2018209365
		<u>C07H 21 /-</u>	<u>C07K 4 /-</u>	<u>C09K 3 /-</u>	2018210375
<u>C07C 33 /-</u>	<u>C07D 405 /-</u>	2018212787	2017372048	2017375151	2018210944
2018210393	2018217789	2018212788	2018208077		2018211956
				<u>C10M 105 /-</u>	2018213117
<u>C07C 49 /-</u>	<u>C07D 413 /-</u>	<u>C07J 41 /-</u>	<u>C07K 5 /-</u>	2017395027	2018213315
2018210393	2017371348	2017372251	2018207318		2018219247
	2017373239		2018357829	<u>C11D 7 /-</u>	2018219354
	2017388692	<u>C07J 43 /-</u>			2018225312
<u>C07D 207 /-</u>	2018205275	2017372251	<u>C07K 7 /-</u>	2017375151	
2017371362					<u>C12R 1 /-</u>
2018220903	<u>C07D 417 /-</u>	<u>C07J 51 /-</u>	2017373651	<u>C12M 1 /-</u>	2018213056
	2018205275	2017372251	2018207318	2017374873	<u>C22B 1 /-</u>
<u>C07D 211 /-</u>	2018212436		2018208077	2018206879	2017380307
2017371348	2018213886	<u>C07J 7 /-</u>	2018210174	2018221143	
		2017372251	2018211539		<u>C22B 23 /-</u>
<u>C07D 213 /-</u>	<u>C07D 471 /-</u>	2017372251	<u>C07K 9 /-</u>	<u>C12N 1 /-</u>	2017380307
2017371353	2017373239		2017372886	2017372886	
2017376517	2017388691	<u>C07K 1 /-</u>		2017377068	<u>C22B 3 /-</u>
2017388466	2017388692	2017372048	<u>C08B 37 /-</u>	2017388532	2017380307
	2018208422	2017372886		2017388535	
<u>C07D 231 /-</u>	2018212438	2018221143	2018221352	2018213056	<u>C22B 5 /-</u>
2018210525	2018212593	<u>C07K 14 /-</u>	<u>C08F 214 /-</u>	<u>C12N 15 /-</u>	2017380307
	2018219569		2018208279	2017377068	
<u>C07D 239 /-</u>	<u>C07D 473 /-</u>	2017370653		2017378078	<u>C22C 21 /-</u>
2017388466	2017384388	2017371217	<u>C08F 220 /-</u>	2017379048	2016433840
	2018213119	2017371402		2017390396	
<u>C07D 251 /-</u>	<u>C07D 487 /-</u>	2017378078	2018208279	2018205372	<u>C22C 23 /-</u>
2017388466	2017379041	2017381449		2018205503	2017393044
	2017393082	2017387041	<u>C08G 59 /-</u>	2018207259	
<u>C07D 263 /-</u>	2018205277	2017390396	2018214957		<u>C12N 5 /-</u>
2018210525	2018208422	2018205372		<u>C12N 5 /-</u>	<u>C22F 1 /-</u>
	2018209006	2018207318	<u>C08H 1 /-</u>	2016431869	2016433840
<u>C07D 265 /-</u>	2018210525	2018207440	2017372886	2017370694	
2018210525	2018212438	2018208077		2017371402	<u>C23G 5 /-</u>
	2018212593	2018210174	<u>C08J 3 /-</u>	2017375652	2017375151
<u>C07D 295 /-</u>	2018236672	2018225083	2018355156	2017393059	
2018208846	<u>C07D 491 /-</u>	<u>C07K 16 /-</u>	<u>C08L 5 /-</u>	<u>C12N 7 /-</u>	<u>C25C 3 /-</u>
2018210393	2018207051	2017378107	2018221352	2017387041	2018249909
	2018208846	2017379048		<u>C12N 9 /-</u>	<u>C25C 5 /-</u>
<u>C07D 301 /-</u>		2017387041	<u>C08L 63 /-</u>	2018205503	2018249909
2018209945	<u>C07D 495 /-</u>	2018205272			<u>C40B 40 /-</u>
	2018209006	2018205372	2018214957	<u>C12P 1 /-</u>	2017378078
<u>C07D 303 /-</u>		2018205401		2018213056	
2018210393	<u>C07D 498 /-</u>	2018205472	<u>C08L 81 /-</u>		<u>D01H 1 /-</u>
	2018210525	2018205808	2018214957	<u>C12P 19 /-</u>	2017385976
<u>C07D 307 /-</u>	2018212438	2018206481		2018205503	
2018210393		2018206531	<u>C09D 11 /-</u>		<u>D01H 7 /-</u>
	<u>C07D 513 /-</u>	2018207303	2018237917	<u>C12P 7 /-</u>	2017385976
<u>C07D 401 /-</u>	2018210525	2018207305	<u>C09D 127 /-</u>	2017374873	
2017371362		2018209150		2017382765	<u>D21D 1 /-</u>
2017388466	<u>C07D 519 /-</u>	2018209151	2018208279	2018213056	2018385685
2018206479	2017379041	2018212012			
2018208422	2017384388	2018213397	<u>C09D 133 /-</u>	<u>C12Q 1 /-</u>	<u>D21F 1 /-</u>
2018208846	2017388691	2018218548	2018208279	2017386658	
2018218965	2018212593	<u>C07K 17 /-</u>		2017388532	2018224240
		2018207440		2017388535	

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<u>D21H 13/-</u>	<u>E21B 17/-</u>	<u>E21F 17/-</u>	<u>F17C 13/-</u>	<u>F28F 9/-</u>	<u>G01N 30/-</u>
2017375758	2017394777	2017375855	2018207266	2018221477	2017381738
<u>E01C 23/-</u>	2018218550	2017388776	<u>F17C 3/-</u>	2018233665	<u>G01N 33/-</u>
2017390288	2018231464	<u>F03D 13/-</u>	2018207266	<u>F41A 17/-</u>	2017372886
<u>E02F 3/-</u>	<u>E21B 19/-</u>	2018207019	<u>F21S 2/-</u>	2017371361	2017379048
2018205346	2017393950	<u>F03D 80/-</u>	2017395527	<u>F41G 7/-</u>	2017382800
2018258521	2017394777	2018398704	<u>F21V 29/-</u>	2017390611	2017383549
<u>E02F 7/-</u>	<u>E21B 23/-</u>	<u>F04C 23/-</u>	2017395527	<u>F41G 9/-</u>	2017396320
2017371471	2018215387	2017375095	<u>F21W 111/-</u>	2017390611	2018205272
<u>E02F 9/-</u>	2018216091	<u>F04D 13/-</u>	2017395527	<u>F41H 1/-</u>	2018205275
2017387164	<u>E21B 25/-</u>	2018217932	<u>F21Y 115/-</u>	2018219022	2018205472
2017400244	2017381411	<u>F04D 29/-</u>	2017395527	<u>F41H 11/-</u>	2018209945
2018205346	<u>E21B 29/-</u>	2018209887	<u>F23C 10/-</u>	2017371361	2018210375
<u>E03C 1/-</u>	2018215387	<u>F04D 31/-</u>	2017383045	<u>F42B 15/-</u>	2018211956
2018233432	2018216091	2018209887	2017383046	2017390611	2018213117
<u>E03D 11/-</u>	<u>E21B 3/-</u>	<u>F15B 11/-</u>	<u>F23C 13/-</u>	<u>G01B 3/-</u>	2018213315
2017371803	2017394777	2017400244	2017383045	2018211401	2018215245
<u>E04B 1/-</u>	2018240050	<u>F15B 13/-</u>	2017383046	<u>G01B 5/-</u>	2018216969
2017374766	<u>E21B 33/-</u>	2018217932	<u>F24C 15/-</u>	2017383097	2018219247
<u>E04B 2/-</u>	2018215387	<u>F16B 13/-</u>	2017388080	<u>G01F 1/-</u>	2018223316
2018207580	2018216091	2016431876	2017388081	2018208491	2018225312
<u>E04C 3/-</u>	<u>E21B 43/-</u>	2018226614	<u>F24F 1/-</u>	<u>G01L 19/-</u>	<u>G01R 31/-</u>
2017374766	2018208822	<u>F16B 2/-</u>	2017411717	2018214815	2017371146
2018207580	2018209887	2018208304	<u>F24F 13/-</u>	<u>G01L 9/-</u>	2017371167
<u>E04C 5/-</u>	<u>E21B 44/-</u>	<u>F16K 15/-</u>	2017411717	2018214815	2017382080
2017397831	2017381411	2017395157	<u>F24F 3/-</u>	<u>G01M 3/-</u>	<u>G01S 11/-</u>
<u>E04F 21/-</u>	2017383097	<u>F16K 17/-</u>	2017387829	2017395157	2017398160
2018211401	<u>E21B 47/-</u>	2017395157	<u>F25J 3/-</u>	<u>G01N 11/-</u>	<u>G01S 19/-</u>
<u>E04G 11/-</u>	2017381411	<u>F16L 1/-</u>	2016434623	2018208491	2018208058
2018207580	2017383097	<u>F16L 15/-</u>	<u>F28B 11/-</u>	<u>G01L 19/-</u>	<u>G01S 3/-</u>
<u>E04G 13/-</u>	<u>E21B 7/-</u>	2018224393	2016434590	2018214815	2017381726
2018207580	2017394777	<u>F16L 15/-</u>	<u>F28D 20/-</u>	<u>G01N 9/-</u>	2017410814
<u>E04G 17/-</u>	<u>E21C 27/-</u>	2018231464	2017372953	2018214815	<u>G01S 5/-</u>
2018207580	2017400244	<u>F16L 37/-</u>	<u>F28D 7/-</u>	<u>G01M 3/-</u>	<u>G01V 1/-</u>
<u>E04H 12/-</u>	<u>E21C 35/-</u>	2017371471	2017372886	2017395157	2017381411
2018207019	2018205346	<u>F16L 39/-</u>	2017383549	<u>G01N 11/-</u>	2018205733
<u>E21B 1/-</u>	<u>E21D 11/-</u>	2017395157	2018221477	<u>G01N 19/-</u>	<u>G01V 13/-</u>
2017394777	2017388776	<u>F16M 13/-</u>	2018233665	2017396320	2018205733
<u>E21B 15/-</u>	<u>E21D 20/-</u>	2018225519	<u>F28F 19/-</u>	<u>G01N 19/-</u>	<u>G01V 3/-</u>
2017394777	2018226614	<u>F16M 13/-</u>	2018233665	2017382800	2017387164
2018226614	<u>E21D 21/-</u>	2018225519	<u>F28F 7/-</u>	<u>G01N 21/-</u>	<u>G01V 5/-</u>
2018226614	2018226614	2017372953	2017372953	2017372886	2019202175
				2017383549	<u>G01W 1/-</u>
				2018217387	2017376837
				<u>G01N 27/-</u>	<u>G02B 27/-</u>
				2017381738	2018205292
				<u>G01N 3/-</u>	
				2017388999	
				2018220685	

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<u>G02C 7 /-</u>			<u>H01B 13 /-</u>	2017390198 2017403852	<u>H04N 21 /-</u>
2018225340	<u>G06K 9 /-</u>	<u>G08B 25 /-</u>	2018205241		2018211533
<u>G05B 13 /-</u>	2018259305 2018265974	2018208596	<u>H01B 3 /-</u>	<u>H02J 9 /-</u>	
2017381411	<u>G06N 5 /-</u>	<u>G08B 29 /-</u>	2018205241	2017382080	<u>H04N 5 /-</u>
<u>G05B 15 /-</u>	2017364484	2018208596	<u>H01B 7 /-</u>	<u>H02P 27 /-</u>	2018263023
2018212601	<u>G06Q 10 /-</u>	<u>G08G 1 /-</u>	2018205241	2017378158	<u>H04R 1 /-</u>
<u>G05B 19 /-</u>	2018213281 2018221877	<u>G09B 5 /-</u>	<u>H01J 49 /-</u>	<u>H02P 6 /-</u>	2017376688
2017397647	2018376951 2018383093	2017371954	2017381738	2017378158	<u>H04W 12 /-</u>
<u>G05D 1 /-</u>	<u>G06Q 30 /-</u>	<u>G09F 9 /-</u>	<u>H01L 21 /-</u>	<u>H03D 13 /-</u>	2018212610
2018208596 2018217444	2018208596 2018214814 2018376951	2018265974	2017375626 2017402634	2017398160	<u>H04W 16 /-</u>
<u>G05D 16 /-</u>	<u>G06Q 40 /-</u>	<u>G10D 13 /-</u>	<u>H01L 23 /-</u>	<u>H03M 13 /-</u>	2018209526
2018217932	2017371554	2018210857	2017402634	2017393094	<u>H04W 36 /-</u>
<u>G05D 23 /-</u>	<u>G06Q 50 /-</u>	<u>G10H 3 /-</u>	<u>H01L 27 /-</u>	<u>H04B 1 /-</u>	2018212610
2017402634	2016431877 2017371954	2018210857	2017375626	2018253657	<u>H04W 4 /-</u>
<u>G06F 1 /-</u>	2017376837 2017377666	<u>G10L 19 /-</u>	<u>H01L 33 /-</u>	<u>H04B 13 /-</u>	2018207620 2018219188 2018220617
2017402634 2018206587 2018259305	2017403852 2018207620 2018213281 2018221877	2018208522	2017375626 2018237917	2018213326	<u>H04W 52 /-</u>
<u>G06F 16 /-</u>	<u>G06T 11 /-</u>	<u>G16B 15 /-</u>	<u>H01M 10 /-</u>	2017374685 2017378251	2016432553 2016432572
2017371554 2018206013 2018215786	2017387781	2017384634	2017371167	<u>H04L 1 /-</u>	<u>H04W 60 /-</u>
<u>G06F 17 /-</u>	<u>G06T 15 /-</u>	<u>G16B 5 /-</u>	<u>H01M 8 /-</u>	2017386695 2017391788	2018212610
2018221877	2018227551	2017386658 2017388532 2017388535	2017371197 2018214190	<u>H04L 12 /-</u>	<u>H04W 72 /-</u>
<u>G06F 21 /-</u>	<u>G06T 17 /-</u>	<u>G16C 10 /-</u>	<u>H01Q 1 /-</u>	2017392542 2018225077	2016434076 2017391323 2017391791 2017391798 2018209526 2018350301
2018207068 2018219369 2018225077	2018227551 2018237535	2017364484 2017387781 2018211956 2018217684	2017389088	<u>H04L 29 /-</u>	<u>H04W 74 /-</u>
<u>G06F 3 /-</u>	<u>G06T 19 /-</u>	<u>G16H 10 /-</u>	<u>H01Q 3 /-</u>	2017370908 2017380450 2017387092 2018206414 2018219369 2018222744	2016432554
2016434529 2017371954 2017383528 2017387781 2018215786	2017366502 2017387781	2018206013	2017389088	<u>H01R 12 /-</u>	<u>H04W 8 /-</u>
<u>G06F 7 /-</u>	<u>G06T 3 /-</u>	<u>G16H 20 /-</u>	<u>H02G 5 /-</u>	2018253657	2016434076
2018215786	2018237535	2017384634 2018217684	<u>H04L 9 /-</u>	<u>H02H 3 /-</u>	<u>H04W 80 /-</u>
<u>G06F 8 /-</u>	<u>G06T 7 /-</u>	<u>G16H 40 /-</u>	2017371554	2017387112	2017392542
2018225077	2018209225	2018217684	<u>H04M 1 /-</u>	<u>H02H 7 /-</u>	<u>H04W 84 /-</u>
<u>G06F 9 /-</u>	<u>G07C 5 /-</u>	<u>G16H 50 /-</u>	2017395383 2018206587 2018259305 2018263023	2017371146	2018220617
2018383093	2016431877	2017375899	<u>H04M 3 /-</u>	<u>H02J 13 /-</u>	<u>H04W 92 /-</u>
<u>G06K 19 /-</u>	<u>G07F 17 /-</u>	<u>G21F 9 /-</u>	2018376951	2017403852	2016434076
2017373147 2018207068	2018370536	2018205528 2018206475 2018221145 2018236049	<u>H04N 19 /-</u>	<u>H02J 3 /-</u>	<u>H05B 37 /-</u>
	<u>G08B 13 /-</u>		2017377490 2017393148 2017393149	2017371146 2017371166 2017382080	<u>H05B 6 /-</u>
	2018208596				2018209649

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B32B 15/02 (2006.01)
B32B 15/08 (2006.01)
B32B 15/088 (2006.01)
B32B 15/18 (2006.01)
B32B 17/02 (2006.01)
B32B 25/04 (2006.01)
B32B 25/10 (2006.01)
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2013355260	Caris MPI, Inc.	2015220801	Electrolux Appliances Aktiebolag
2013368877	Evogene Ltd.	2015222697	Deakin University
2013399485	Hangzhou Dac Biotech Co., Ltd	2015224391	GE Global Sourcing LLC
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2014211763	Helen of Troy Limited	2015226202	VSK Electronics NV
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2014230083	Fisher & Paykel Healthcare Limited	2015228756	Fresenius Medical Care Deutschland GmbH
2014236688	Shifamed Holdings, LLC	2015229014	The Regents of the University of California; The Re- search Foundation for The State University of New York
2014238462	Cianna Medical, Inc.	2015231695	Doble Engineering Company
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2014265168	Mobelisk Group, LLC	2015233635	Apeptico Forschung und Entwicklung GmbH
2014272892	Cerberus Black Ltd	2015235991	Qualcomm Incorporated
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2014274530	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED	2015243462	Gojo Industries, Inc.
2014274970	Isolynx, LLC	2015244141	Longyear TM, Inc.
2014277809	Munchkin, Inc.	2015245444	Ferrovial Agroman, S.A.
2014278189	Western Digital Technologies, Inc.	2015252756	RMIT University
2014283319	Som Innovation Biotech, S.L.	2015253557	Microsoft Technology Licensing, LLC
2014298151	Bespak Europe Limited; UCB Biopharma SPRL	2015255023	Axiom Process Limited
2014301071	LifeScan Scotland Limited	2015255178	OTICO
2014304570	Glenmark Pharmaceuticals S.A.	2015255874	Quanta Associates, L.P.
2014310619	Centre National de la Recherche Scientifique (CNRS); Ureka Sarl	2015257402	King Abdullah University of Science and Technology
2014312208	BECTON, DICKINSON AND COMPANY	2015257403	GeoTech Technologies Ltd.
2014318623	Western University of Health Sciences	2015259797	Aarbakke Innovation A.S.
2014321402	AlloVate, LLC	2015260780	Caesar, A.
2014326142	Intas Pharmaceuticals Limited	2015261124	P.E. Labellers S.p.A.
2014329567	Merck Sharp & Dohme Corp.	2015261278	The University of York; Sun Pharmaceutical Industries (Australia) Pty Limited
2014331081	The Provost, Fellows, Foundation Scholars, & the other members of Board, of the College of the Holy & Undiv . Trinity of Queen Elizabeth, near Dublin	2015261478	Hettich-ONI GmbH & Co. KG
2014331118	MedImmune Limited	2015263843	Pro Systems Australia Pty Limited
2014332835	Toray Industries, Inc.	2015266674	Gogo LLC
2014334627	Janssen Biotech, Inc.	2015270115	Kimberly-Clark Worldwide, Inc.
2014336962	Bio Molecular Systems Pty Ltd	2015270575	Ventana Medical Systems, Inc.
2014341969	Columbus Photovoltaics LLC	2015277532	Avent, Inc.
2014342316	Regeneron Pharmaceuticals, Inc.	2015277795	Caterpillar Inc.
2014342341	Cubic Corporation	2015278351	IHC Holland IE B.V.
2014342631	Physcient, Inc.	2015281158	Implandata Ophthalmic Products GmbH
2014349078	Regents of the University of California	2015283594	Syqe Medical Ltd.
2014350758	Shanghai Hengrui Pharmaceutical Co., Ltd.; Jiangsu Hengrui Medicine Co., Ltd.	2015284130	AMO Wavefront Sciences, LLC.
2014352969	Agstone, LLC	2015284218	Covidien LP
2014355032	Johnson & Johnson Vision Care, Inc.	2015284303	Covidien LP
2014361829	Case Western Reserve University	2015287389	Unitec S.p.A.
2014362224	Integrated Endoscopy, Inc.	2015287602	Dematic Corp.
2014370041	Minipumps, LLC	2015289246	Bayer Animal Health GmbH
2014371034	Suntory Holdings Limited	2015293949	Glykos Finland OY
2014375282	Koninklijke Philips N.V.	2015294307	HERRENKNECHT AKTIENGESELLSCHAFT
2014389444	Covidien LP	2015296552	Frito-Lay North America, Inc.
2014402284	Canadian Bank Note Company, Limited	2015296953	Caterpillar Inc.
2014408473	Abu Dhabi National Oil Company	2015301521	Reliance Worldwide Corporation
2014413483	Natco Pharma Limited	2015303583	COdukte Boltersdorf
2015201178	Esses, A.	2015308175	Ensenor Enterprises Limited
2015202086	Oztent Australia Pty. Limited	2015308480	Société des Produits Nestlé S.A.
2015202918	Covidien LP	2015309042	Morgan Technical Ceramics Australia Pty Ltd
2015205961	Black & Decker Inc.	2015313913	Graff Pehrson Vesterager GmbH
2015207417	DS Smith Packaging Ltd	2015315042	Flowserve Management Company
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2015211303	PerkinElmer Health Sciences, Inc.	2015317664	915 Labs, LLC
2015213106	Tube Pharmaceuticals GmbH	2015317867	IPG Photonics Corporation
2015213472	SRG IP Pty Ltd	2015319107	Kobayashi Pharmaceutical Co., Ltd.
2015213812	Medeon Biodesign, Inc.	2015321818	Ethicon LLC
2015214947	Teijin Aramid B.V.	2015323419	FLSmith A/S
		2015326807	SodaStream Industries Ltd
		2015327095	Sika Technology AG

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2015333619	Nelson Irrigation Corporation	2016328310	Scholle IPN Corporation
2015333655	Avery Dennison Corporation	2016328434	Inventio AG
2015336246	T.F.H. Publications, Inc.	2016328637	Amazon Technologies, Inc.
2015336835	China Petroleum & Chemical Corporation; Research Institute of Petroleum Processing, SINOPEC	2016329112	Inventio AG
2015336908	Rosendahl, G.	2016330818	Brain Corp S.A.
2015337755	Intellijoint Surgical Inc.	2016331758	Rohm and Haas Company
2015339373	Hanwha Azdel, Inc.; Nolax AG; Collano Adhesives AG	2016332504	Inventio AG
2015339391	Principle Power, Inc.	2016332918	Department 13, Inc.
2015339870	Duke University	2016333334	Deutsches Krebsforschungszentrum; Ruprecht-Karls-Universität Heidelberg
2015341783	A. Raymond et Cie	2016338546	Colgate-Palmolive Company
2015343645	Qualcomm Incorporated	2016339642	Alteogen, Inc.
2015347747	Toppan Printing Co., Ltd.	2016342538	Dyson Technology Limited
2015349949	The Regents of the University of California	2016344419	Becton, Dickinson and Company
2015352098	Société des Produits Nestlé S.A.	2016345548	Outotec (Finland) Oy
2015352625	Ventana Medical Systems, Inc.	2016349478	Avery Dennison Corporation
2015355366	Biomet Manufacturing, LLC.	2016351941	Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.; Midea Group Co., Ltd.
2015355747	Samsung Electronics Co., Ltd.	2016353054	Techtronic Industries Co., Ltd.
2015358387	Verik Bio, Inc.	2016353990	Rite-Hite Holding Corporation
2015359285	Lama D. D. Dekani	2016355154	Raytheon Company
2015362882	General Mills, Inc.	2016356613	Upfield Europe B.V.
2015371400	Galapagos NV; Les Laboratoires Servier	2016357277	3M Innovative Properties Company
2015377784	Aquatec „IQ“ Technologie GmbH	2016361323	Victaulic Company
2015380336	Raytheon Company	2016362298	The Procter & Gamble Company; The Cleveland Clinic Foundation
2015391670	Knauf Gips KG	2016366352	Mitsubishi Electric Corporation
2015404926	Linco Food Systems A/S	2016370779	Astex Therapeutics Limited; GlaxoSmithKline Intellectual Property Development Limited
2015405655	Telefonaktiebolaget LM Ericsson (publ)	2016372484	Inventio AG
2015406856	Huawei Technologies Co., Ltd.	2016381965	Dexcom, Inc.
2015414147	Motorola Solutions, Inc.	2016384965	Huawei Technologies Co., Ltd.
2015417676	Colgate-Palmolive Company	2016386569	Mitsubishi Heavy Industries Engineering, Ltd.
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2016211797	Qualcomm Incorporated	2016393378	Lamello AG; Baur, F.; Haser, F.J.
2016213183	AGC Inc.	2016395616	Komatsu Ltd.
2016214922	Novadaq Technologies ULC	2016397189	Huawei Technologies Co., Ltd.
2016214937	Lioness Feeding Technology Inc.	2016403655	Wuxi Hisky Medical Technologies Co., Ltd.
2016220304	CardioVascular BioTherapeutics, Inc.	2016405033	Mitsubishi Electric Corporation
2016225128	Sasol Technology (Pty) Limited	2016410256	Google LLC
2016230236	Komatsu Ltd.	2016410643	Sumitomo SHI FW Energia Oy
2016233232	Harsco Technologies LLC	2016432050	Essity Hygiene and Health Aktiebolag
2016239331	MedImmune Limited	2016432112	Mitsubishi Electric Corporation
2016240341	Immatics Biotechnologies GmbH	2017202422	DSM IP Assets B.V.
2016244314	Bausch & Lomb Incorporated	2017202880	Institut National de la Sante et de la Recherche Medicale (INSERM); Les Laboratoires Servier; Centre National de la Recherche Scientifique (CNRS)
2016245064	Jaguar Land Rover Limited	2017203030	WORLD ENVIRONMENTAL SOLUTIONS PTY LTD
2016259792	Ablynx N.V.	2017203220	President and Fellows of Harvard College; Children's Medical Center Corporation
2016262158	FPS Food Process Solutions Corporation	2017203365	Aprezia Pharmaceuticals LLC
2016262661	New York University	2017203464	Hook-Eze Pty Limited
2016263192	Regeneron Pharmaceuticals, Inc.	2017203716	BLY IP, Inc.
2016264363	Morphogenesis, Inc.	2017204161	Kumamoto University; Alnylam Pharmaceuticals, Inc.
2016269475	B. Braun Melsungen AG	2017204204	W. L. Gore & Associates, Inc.
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2016283968	Kenall Manufacturing Company	2017204561	FMC TECHNOLOGIES, INC.
2016287645	BAE Systems Controls Inc.	2017204601	Corning Optical Communications LLC
2016295074	LG Electronics Inc.	2017204628	W. L. Gore & Associates, Inc.
2016295075	LG Electronics Inc.	2017204786	Dali Systems Co. Ltd.
2016296572	Max Co., Ltd.	2017204825	Weatherford Technology Holdings, LLC
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2016299468	Cellivry Therapeutics, Inc.	2017206332	Sinphar Tian-Li Pharmaceutical Co., Ltd. (Hangzhou)
2016300492	NR Electric Co., Ltd; NR Engineering Co., Ltd; NR Electric Power Electronics Co., Ltd.	2017208923	Unitec S.p.A.
2016305703	Coherent Biopharma	2017210585	XBiotech, Inc.
2016307885	Karus Therapeutics Ltd	2017210659	Valve Medical Ltd.
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2017222190	Outotec (Finland) Oy	2018204198	Insmed Incorporated
2017222881	Sumitomo Metal Mining Co., Ltd.	2018204708	Prolong Pharmaceuticals, LLC
2017224019	Xylem IP Management S.a r.l.	2018205196	Microsoft Technology Licensing, LLC
2017227277	Bridgestone Corporation	2018206704	ViewRay Technologies, Inc.
2017228040	Bundesdruckerei GmbH; Bundesrepublik Deutschland Vertreten Durch das Bundesministerium des Innern, Vertr. D.das Bundeskriminalamt	2018206715	Lee, J.
2017228516	Republic Tobacco L.P.	2018211305	Sandoz AG
2017228642	LG Electronics Inc.	2018213976	Apple Inc.
2017232083	Roche Innovation Center Copenhagen A/S	2018213989	Ab Initio Technology LLC
2017232242	Fuji Xerox Co., Ltd.	2018214125	Aspen Aerogels, Inc.
2017235767	Aflex Hose Limited	2018214146	Samsung Electronics Co., Ltd.
2017235971	NetBio, Inc.	2018232490	Brainlab AG
2017237281	Terumo Kabushiki Kaisha	2018233028	Covidien LP
2017240597	Milwaukee Electric Tool Corporation	2018236899	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
2017245146	MED-EL Elektromedizinische Geraete GmbH	2018246882	Husqvarna AB
2017245333	Allergan Industrie SAS	2018253504	Ube Industries, Ltd.
2017245376	Swedish Orphan Biovitrum AB (publ)	2018253628	Nexgen Plants Pty Ltd
2017245897	Zenner-Networks Ltd.	2018260849	Apple Inc.
2017249927	LG Electronics Inc.	2018267624	C.S. Gent & Sons Ltd
2017250948	De Nora Permelec Ltd; Kawasaki Jukogyo Kabushiki Kaisha	2018274918	Cook Medical Technologies LLC; Cook Biotech Incorporated
2017250982	Kawasaki Jukogyo Kabushiki Kaisha	2019201597	TouchPoint Medical, Inc.
2017251769	Evogene Ltd.	2019201831	Wuyi Yilan Metal Household Products Co., Ltd.
2017251835	Arstasis, Inc.	2019202064	Ningbo Junxing Daily Commodity Co., Ltd.
2017253925	Hubei China Tobacco Industry Co., Ltd.	2019202066	Shengzhou Huijie Household Products Co., Ltd.
2017256412	Siemens Mobility GmbH	2019204082	MacDon Industries Ltd
2017258809	Toyota Jidosha Kabushiki Kaisha	2019204504	Sony Corporation
2017258845	Spray Rock LLC		
2017261483	Dow AgroSciences, LLC		
2017267178	Viega Technology GmbH & Co. KG		
2017272811	Shell Internationale Research Maatschappij B.V.		
2017273526	The Procter & Gamble Company		
2017276182	DuPont Nutrition BioSciences ApS		
2017285700	Immersive Robotics Pty Ltd		
2017288319	Siemens Aktiengesellschaft		
2017291139	ConcieValve LLC		
2017307643	Zelda Therapeutics Operations Pty Ltd		
2017330125	Lee, G.H.; Yu, G.S.; Daesan Biotech		
2017341159	Ping An Technology(Shenzhen)Co.,Ltd.		
2017342154	Tata Consultancy Services Limited		
2017369607	Carl Zeiss Vision International GmbH		
2017384694	Shenzhen Lanhaixing Technology Co., Ltd		
2017408795	China University of Mining and Technology		
2017410210	Yu, C.		
2018200086	Jiangnan University		
2018200101	Meinan Machinery Works, Inc.		
2018200179	Stryker Corporation		
2018201465	Advanced Cooling Therapy, LLC		
2018201594	Panasonic Corporation		
2018201760	Eisai Inc.		
2018201923	Geberit International AG		
2018202225	Daikin Industries, Ltd.; Daikin Europe N.V.		
2018202355	University Health Network		
2018202690	Apple Inc.		
2018202856	Lumendi Ltd.		
2018202889	Samsung Electronics Co., Ltd.		
2018202915	Ningbo Lvzhipin Electrical Appliance Science and Technology CO., LTD.		
2018202951	Tel HaShomer Medical Research Infrastructure and Services Ltd.		
2018202989	CommScope Technologies LLC; CommScope Connectivity Belgium BVBA		
2018203002	Tessengerlo Group		
2018203149	Vertex Pharmaceuticals Incorporated		
2018203160	The Yokohama Rubber Co., Ltd.		
2018203182	Apple Inc.		
2018203274	Siemens Aktiengesellschaft		

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<u>A01C 5 /-</u>	<u>A01N 37 /-</u>	2017253925	2018202915	2015284303	<u>A61K 35 /-</u>
2018267624	2017261483	<u>A24D 3 /-</u>	<u>A47J 43 /-</u>	2016214922	2017203220
	2018204198			2018232490	2017276182
<u>A01C 7 /-</u>	<u>A01N 39 /-</u>	2017253925	2017384694	<u>A61B 8 /-</u>	
2018267624	2017261483	<u>A24F 47 /-</u>	<u>A47K 10 /-</u>	2015284303	<u>A61K 36 /-</u>
		2015283594	2014277809	2016403655	2017206332
<u>A01D 34 /-</u>	<u>A01N 43 /-</u>	<u>A45D 20 /-</u>	<u>A47L 5 /-</u>	<u>A61C 17 /-</u>	2017307643
2017204895	2015289246	2016342538	2016353054	2016338546	<u>A61K 38 /-</u>
	2017261483	<u>A46B 15 /-</u>	<u>A47L 9 /-</u>	<u>A61F 13 /-</u>	2014329567
<u>A01D 41 /-</u>	2018203524	2016338546	2017249927	2014389444	2014334627
2015330483		<u>A46B 9 /-</u>		2015316539	2015229014
2019204082	<u>A01P 13 /-</u>	2017273526	<u>A61B 1 /-</u>	2016432050	2015233635
	2017261483	<u>A46D 1 /-</u>	2014211763	<u>A61F 2 /-</u>	2016220304
<u>A01D 45 /-</u>		2017273526	2014211764	2014326688	2016262661
2015330483	<u>A21D 13 /-</u>	<u>A47B 21 /-</u>	2014362224	2015355366	2016327213
	2015362882	2016322281	2015284303	2016244314	2016333334
<u>A01D 75 /-</u>	<u>A22B 3 /-</u>	2019201597	2017213456	2017204204	2016339642
2019204082	2015404926	<u>A47B 3 /-</u>	2018202856	2017210659	2017245376
		2016322281	2018233028	2017251835	2018202355
<u>A01D 89 /-</u>	<u>A23B 4 /-</u>	2019201597	<u>A61B 10 /-</u>	2017291139	2018204708
2019204082	2018200086	<u>A47B 3 /-</u>	2014361829	2018202951	<u>A61K 39 /-</u>
		2016322281	<u>A61B 17 /-</u>	<u>A61F 5 /-</u>	2014321402
<u>A01G 13 /-</u>	<u>A23D 7 /-</u>	<u>A47B 73 /-</u>	2014342631	2018274918	2014326142
2014352969	2016356613	2015263843	2015202918	<u>A61F 7 /-</u>	2014331118
		<u>A47B 9 /-</u>	2015213812	2015257402	2014332835
<u>A01G 17 /-</u>	<u>A23K 10 /-</u>	2016322281	2015321818	2018201465	2014350758
2015341783	2015352098	<u>A47B 96 /-</u>	2015337755	<u>A61H 39 /-</u>	2015358387
		2016322281	2017213554	2018201465	2016239331
<u>A01G 25 /-</u>	<u>A23K 50 /-</u>	<u>A47B 96 /-</u>	2017237281	<u>A61K 31 /-</u>	2016240341
2015333619	2015352098	2018200179	2018203807	2015257402	2016262661
		2018203807	<u>A61B 3 /-</u>	2018201465	2016264363
<u>A01G 9 /-</u>	<u>A23L 2 /-</u>	2015359285	2015281158	<u>A61K 39 /-</u>	2017202880
2015341783	2015326807	<u>A47F 7 /-</u>	2015284130	2018201465	2018201760
		2015263843	<u>A61B 34 /-</u>	<u>A61K 45 /-</u>	<u>A61K 45 /-</u>
<u>A01H 3 /-</u>	<u>A23L 3 /-</u>	<u>A47G 25 /-</u>	2015337755	2014255727	2014255727
2013318724	2015317664	2019201831	2016214922	201425727	2014283319
		2019202064	<u>A61B 5 /-</u>	2014273962	2017291139
<u>A01H 5 /-</u>	<u>A23L 33 /-</u>	2019202066	2014211764	2014283319	<u>A61K 47 /-</u>
2013368877	2015352098	<u>A47J 27 /-</u>	2014238462	2014326142	2014332835
2016271342		2018202915	2014259487	2014332835	2015217274
		<u>A47J 31 /-</u>	2014331081	2014413483	2017245333
<u>A01K 5 /-</u>	<u>A23L 5 /-</u>	2014375282	2014349078	2015222697	2018204708
2016214937	2015296552	2016323559	2015281158	2015233635	<u>A61K 48 /-</u>
		<u>A47J 31 /-</u>	2015284303	2015371400	2016305703
<u>A01K 67 /-</u>	<u>A23N 15 /-</u>	2014375282	2016214922	2016307885	2016307885
2015260780	2015287389	<u>A47J 37 /-</u>	2016381965	2016314082	2016314082
2016239331		2013267042	2017213456	2016333334	2016333334
		2016351941	2018203807	2016362298	2016362298
<u>A01K 91 /-</u>	<u>A23P 20 /-</u>	<u>A47J 42 /-</u>	<u>A61B 6 /-</u>	2016370779	2016370779
2017203464	2015362882		2015284218	2017203365	2017203365
				2017204161	2017204161
<u>A01N 25 /-</u>	<u>A24C 5 /-</u>			2017232083	2017232083
2017203464	2017228516			2017307643	2017307643
				2018203149	2018203149
<u>A01N 37 /-</u>	<u>A24D 1 /-</u>			2018203524	2018203524
2017261483				2018204198	2018204198
				2018211305	2018211305
				2018236899	2018236899
					<u>A61K 9 /-</u>
					2015217274

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2015233635	<u>A61N 5/-</u>	2013399485	<u>B01J 35/-</u>	2017240597	2015255178
2016327213		2014332835			
<u>A61L 15/-</u>	2015257402	2014350758	2016225128	<u>B25J 9/-</u>	<u>B60C 23/-</u>
	2016283968	2016305703			
2016432050			<u>B01J 37/-</u>	2016328637	2015308175
	<u>A61P 11/-</u>	<u>A61P 39/-</u>			
<u>A61L 2/-</u>		2013399485	2016225128	<u>B27L 5/-</u>	<u>B60F 3/-</u>
	2018203149				
2016283968		<u>A61P 43/-</u>	<u>B01J 6/-</u>	2018200101	2015308175
	<u>A61P 13/-</u>				
<u>A61L 27/-</u>		2014332835	2017222190	<u>B29D 11/-</u>	<u>B60G 17/-</u>
	2014255727				
2017245333		<u>A61P 7/-</u>	<u>B01J 8/-</u>	2018202989	2015308175
2017291139	<u>A61P 15/-</u>				
		2017203220	2015323419	<u>B31B 50/-</u>	<u>B60G 21/-</u>
<u>A61L 9/-</u>	2016220304		2017222190		
		<u>A61P 9/-</u>	<u>B01L 3/-</u>	2015270115	2015308175
2015201178	<u>A61P 17/-</u>				
2016283968		2016305703	2017235971	<u>B31F 1/-</u>	<u>B60H 3/-</u>
2017210946	2016262661	2017245376			
			<u>B01L 7/-</u>	2015270115	2015201178
<u>A61M 1/-</u>	<u>A61P 19/-</u>	<u>A61Q 11/-</u>			
			2014336962	<u>B32B 1/-</u>	<u>B60K 31/-</u>
2015228756	2014350758	2014321402			
	2015371400	2015417676	<u>B03B 5/-</u>	2017235767	2016230236
<u>A61M 11/-</u>	<u>A61P 21/-</u>	<u>A61Q 19/-</u>			
			2015323419	<u>B32B 15/-</u>	<u>B60K 35/-</u>
2015283594	2016370779	2015228583			
	2017206332		<u>B07B 4/-</u>	2016213183	2016245064
<u>A61M 15/-</u>		<u>B01D 17/-</u>		2017235767	
	<u>A61P 25/-</u>		2015323419	<u>B32B 17/-</u>	<u>B60K 6/-</u>
2015283594		2015323419			2017258809
2016357277	2014283319		<u>B07B 9/-</u>	2016213183	
	2015222697	<u>B01D 29/-</u>		2017235767	<u>B60W 10/-</u>
<u>A61M 16/-</u>	2016206059		2015323419		
	2017307643	2015278351		<u>B32B 25/-</u>	2016245064
2014230083	2018203524		<u>B08B 17/-</u>		2017258809
2015283594		<u>B01D 35/-</u>		2017235767	
2017204480	<u>A61P 29/-</u>		2015323419	<u>B32B 27/-</u>	<u>B60W 30/-</u>
<u>A61M 25/-</u>		2015278351			
	2017245376		<u>B08B 9/-</u>	2015339373	2016245064
2015277532		<u>B01D 46/-</u>		2015347747	<u>B60W 50/-</u>
2016269475	<u>A61P 3/-</u>		2016328310	2017235767	
2016344419		2015277795			2016245064
<u>A61M 29/-</u>	2014255727		<u>B21F 15/-</u>	<u>B32B 3/-</u>	<u>B61D 15/-</u>
	2014329567	<u>B01D 5/-</u>			
2017204628	<u>A61P 31/-</u>		2016296572	2017235767	2016233232
		2017203030			
<u>A61M 31/-</u>	2014273962	<u>B01D 53/-</u>	<u>B21F 7/-</u>	<u>B32B 37/-</u>	<u>B61D 49/-</u>
	2018236899				
2016220304	<u>A61P 33/-</u>	2016386569	<u>B23K 10/-</u>	2014236688	2016233232
				2015339373	
<u>A61M 39/-</u>	2015289246	<u>B01F 13/-</u>	2015211303	<u>B32B 5/-</u>	<u>B61K 13/-</u>
2016269475	<u>A61P 35/-</u>	2015315042	<u>B23P 21/-</u>	2015339373	2016233232
2016344419		2015326807		2016432050	<u>B61L 1/-</u>
2018203807			2016300492	2017235767	
<u>A61M 5/-</u>	2013399485	<u>B01F 3/-</u>			2017256412
	2014318623		<u>B25B 25/-</u>	<u>B32B 7/-</u>	
2014298151	2014326142	2015326807			<u>B62M 6/-</u>
2014349078	2014331118		2016296572	2015339373	
2014370041	2014413483	<u>B01F 5/-</u>			2017213445
2016269475	2015213106		<u>B25D 11/-</u>	<u>B42D 25/-</u>	
2016344419	2016305703	2015315042			<u>B63B 21/-</u>
	2016307885		2015205961	2014402284	
<u>A61N 1/-</u>	2016314082	<u>B01J 23/-</u>		2017228040	2017272811
	2016333334		<u>B25D 17/-</u>		
2015339870	2017202880	2016225128		<u>B60B 3/-</u>	<u>B63B 22/-</u>
2016338546	2017203220		2015205961		
		<u>B01J 32/-</u>		2015255178	2015339391
	<u>A61P 37/-</u>		<u>B25F 5/-</u>		
		2016225128		<u>B60B 7/-</u>	
			2014274530		

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<u>B63B 35 /-</u>	2014277809 2016313674	<u>C01B 32 /-</u>	<u>C07C 235 /-</u>	<u>C07D 519 /-</u>	2018203160
2015339391		2015252756 2016386569	2018204198	2013399485	<u>C08L 23 /-</u>
<u>B64C 19 /-</u>	<u>B65D 85 /-</u>		<u>C07C 4 /-</u>	<u>C07H 15 /-</u>	2015333655
2016287645	2014277809 2016330818	<u>C01B 33 /-</u>	2015336835	2014273962	<u>C08L 33 /-</u>
		2018214125			
<u>B64D 45 /-</u>	<u>B65G 1 /-</u>	<u>C01F 5 /-</u>	<u>C07C 59 /-</u>	<u>C07H 21 /-</u>	2015333655 2016331758
2016287645	2015287602	2015349949	2017261483	2017204161 2017232083	<u>C08L 63 /-</u>
<u>B64G 1 /-</u>	<u>B65G 11 /-</u>	<u>C01G 3 /-</u>	<u>C07C 62 /-</u>	<u>C07K 14 /-</u>	2015327095
2017218955	2017218725	2015349949	2018204198		
<u>B65B 11 /-</u>	<u>B65G 15 /-</u>	<u>C01G 31 /-</u>	<u>C07C 69 /-</u>	2013368877 2014334627 2016239331 2016240341 2016271342 2016322342 2016327213 2016339642 2017245376	<u>C08L 71 /-</u> 2015327095
2016326540	2018203160	2015349949	2018204198		<u>C08L 75 /-</u>
<u>B65B 35 /-</u>	<u>B65G 17 /-</u>	<u>C01G 39 /-</u>	<u>C07D 213 /-</u>		2014310619
2016298538	2016262158 2017208923	2015349949	2016333334		<u>C08L 77 /-</u>
<u>B65B 5 /-</u>	<u>B65G 21 /-</u>	<u>C01G 49 /-</u>	<u>C07D 215 /-</u>	<u>C07K 16 /-</u>	2014310619
2016298538	2016262158	2015349949 2018203002	2016370779		
<u>B65B 55 /-</u>	<u>B65G 33 /-</u>	<u>C01G 51 /-</u>	<u>C07D 257 /-</u>	2014304570 2014331118 2014334627 2014350758 2016239331 2016259792 2017202880 2017210585 2018203733	<u>C08L 83 /-</u> 2015327095
2016328310	2016262158	2015349949	2015229014		<u>C08L 9 /-</u>
<u>B65B 59 /-</u>	<u>B65G 43 /-</u>	<u>C01G 53 /-</u>	<u>C07D 277 /-</u>		2018203160
2016298538	2017222727	2015349949	2015213106		<u>C09J 123 /-</u>
<u>B65B 7 /-</u>	<u>B65G 47 /-</u>	<u>C01G 55 /-</u>	<u>C07D 401 /-</u>		2015333655
2016298538	2017208923 2017218725	2015349949	2015289246 2016370779	<u>C07K 19 /-</u>	<u>C09J 133 /-</u>
<u>B65B 9 /-</u>	<u>B65H 75 /-</u>	<u>C02F 1 /-</u>	<u>C07D 403 /-</u>	2014310619	2015333655
2016326540	2018246882	2017224019 2018203002	2015371400	<u>C07K 4 /-</u>	<u>C09J 153 /-</u>
<u>B65C 9 /-</u>	<u>B66B 1 /-</u>	<u>C02F 3 /-</u>	<u>C07D 405 /-</u>	2014310619	2016349478
2015233091 2015261124	2016332504 2016372484	2015225887	2016370779 2018203149	<u>C07K 5 /-</u>	<u>C09K 17 /-</u>
<u>B65D 1 /-</u>	<u>B66B 3 /-</u>	<u>C03C 17 /-</u>	<u>C07D 413 /-</u>	2015213106	2014352969
2014371034	2016372484	2016213183	2016370779	<u>C07K 7 /-</u>	<u>C09K 3 /-</u>
<u>B65D 23 /-</u>	<u>B66B 5 /-</u>	<u>C03C 27 /-</u>	<u>C07D 417 /-</u>	2015213106 2015358387 2016206059 2016299468 2016333334	2015319107
2015242375	2016328434	2016213183	2015213106 2016370779		<u>C10G 2 /-</u>
<u>B65D 51 /-</u>	<u>B66B 7 /-</u>	<u>C05F 17 /-</u>	<u>C07D 487 /-</u>	<u>C08F 220 /-</u>	2016225128
2015308480	2016329112	2015260780	2013399485 2018236899	2015333655	<u>C10L 5 /-</u>
<u>B65D 65 /-</u>	<u>B66C 13 /-</u>	<u>C05G 3 /-</u>	<u>C07D 491 /-</u>	<u>C08F 293 /-</u>	2018253504
2016331758	2015255874	2014352969	2016370779	2016349478	<u>C11D 1 /-</u>
<u>B65D 75 /-</u>	<u>B66C 23 /-</u>	<u>C07C 1 /-</u>	<u>C07D 495 /-</u>	<u>C08G 65 /-</u>	2015319107
2016313674 2017210946	2015255874	2015336835 2016225128	2014413483	2014352969	<u>C11D 17 /-</u>
<u>B65D 77 /-</u>	<u>B67C 7 /-</u>	<u>C07C 11 /-</u>	<u>C07D 513 /-</u>	<u>C08J 5 /-</u>	2016331758
2015242375	2016328310	2015336835	2016206059	2015339373	<u>C11D 3 /-</u>
<u>B65D 83 /-</u>				<u>C08K 3 /-</u>	2015313913 2016331758

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C12M 1 /-	2017250948	E02F 3 /-	2016353990	F16K 1 /-	F25B 1 /-
2015260780	C25B 15 /-	2015296953	E06B 7 /-	2016361323	2016405033
C12N 1 /-	2017288319	E02F 7 /-	2016353990	F16K 27 /-	F25B 13 /-
2013318724	C25B 3 /-	2015278351	E06B 9 /-	2015309042	2018202225
2014334627	2017288319	E02F 9 /-	2015336246	2016361323	F25B 25 /-
2017202422	C25B 9 /-	2015208631	E21B 10 /-	F16K 31 /-	2017203030
2017276182	2017250948	2016230236	2015244141	2018201923	F25B 27 /-
C12N 15 /-	2017288319	E03B 3 /-	E21B 17 /-	F16K 5 /-	2017203030
2013368877	C40B 40 /-	2017203030	2014408473	2015309042	F25D 21 /-
2014304570	2017210585	E03D 1 /-	2017203716	F16L 11 /-	2017203030
2014350758	D04H 1 /-	2018201923	2017272811	2015216937	F25D 23 /-
2015261278	2015316539	E04B 1 /-	E21B 21 /-	2017235767	2016432112
2016299468	D06F 58 /-	2015213472	2015255023	F16L 13 /-	F25J 1 /-
2016327213	2016295074	E04B 2 /-	2017203716	2017267178	2015231891
2017210585	2016295075	2015391670	E21B 29 /-	F16L 23 /-	F25J 3 /-
2017232083	D06F 95 /-	E04C 2 /-	2015259797	2017250982	2015231891
2017235971	2019202064	2017258845	E21B 33 /-	F16L 39 /-	F41B 6 /-
2017251769	D06M 101 /-	E04D 13 /-	2017204561	2017250982	2017218955
2018253628	2016317514	2015218172	E21B 34 /-	F16L 59 /-	F41H 5 /-
C12N 5 /-	D06M 15 /-	E04D 3 /-	2017204825	2017250982	2015214947
2015261278	2016317514	2015218172	E21B 43 /-	F16L 9 /-	F42B 3 /-
2016339642	D21B 1 /-	E04G 21 /-	2017408795	2015216937	2017204207
2017203220	2015303583	2016296572	E21B 47 /-	F21K 9 /-	F42D 3 /-
2018202355	E01B 11 /-	E04H 15 /-	2017218961	2016283968	2017204207
C12N 9 /-	2015245444	2015202086	E21C 27 /-	F21V 23 /-	G01C 21 /-
2015261278	E01B 2 /-	E04H 17 /-	2015208631	2016283968	2015224391
2015293949	2015257403	2018206715	E21D 9 /-	F21V 33 /-	2016395616
2016299468	E01B 26 /-	E04H 9 /-	2015294307	2016283968	G01F 1 /-
2016327213	2017256412	2015391670	F02D 29 /-	F21W 131 /-	2015301521
C12P 19 /-	E01B 29 /-	E05D 11 /-	2016230236	2016283968	G01G 23 /-
2017202422	2015245444	2015261478	F15D 1 /-	F22B 37 /-	2016326540
C12P 21 /-	2016233232	E05F 1 /-	2017272811	2016410643	G01J 5 /-
2014304570	E01C 11 /-	2015261478	F16B 12 /-	F24C 15 /-	2014211764
2015293949	2015213472	2015261478	2015359285	2015220801	G01N 1 /-
C12Q 1 /-	E01C 23 /-	E05F 15 /-	2016393378	F24F 1 /-	2017235971
2014312208	2017256412	2017410210	F16B 5 /-	2018202225	G01N 27 /-
2014336962	E01C 3 /-	E05F 5 /-	2016393378	F24F 12 /-	2017227277
2017210585	2015377784	2015261478	F16F 1 /-	2017203030	G01N 3 /-
C12R 1 /-	E02D 31 /-	E06B 3 /-	2016319758		2015207417
2017202422	2015257403				
2017276182	2015257403				
C22B 3 /-					
2016345548					
2017222881					
C22B 59 /-					
2017222881					
C25B 1 /-					
2017250948					
2017288319					
C25B 11 /-					
2015257403					

Applications Accepted - IPC Index cont'd

<u>G01N 33 /-</u>	<u>G06F 12 /-</u>	<u>G06T 17 /-</u>	<u>H01L 29 /-</u>	<u>H03M 13 /-</u>	<u>H04S 5 /-</u>
2013355260	2016397189	2013237642	2016355154	2016410256	2019204504
2014318623		<u>G06T 7 /-</u>	<u>H01L 31 /-</u>	2018201594	
2014342316	<u>G06F 13 /-</u>	2014274970	2014341969	<u>H04B 1 /-</u>	<u>H04W 36 /-</u>
2015207417	2014278189	2017213456		2016366352	2017216956
2015270575		<u>G06T 9 /-</u>	<u>H01L 33 /-</u>	<u>H04B 10 /-</u>	<u>H04W 4 /-</u>
2015352625	<u>G06F 16 /-</u>	2017285700	2016283968	2015317867	2015266674
2015358387	2014301071		2016391182	2016391182	2015405655
2016322342	<u>G06F 17 /-</u>	<u>G07B 15 /-</u>	<u>H02G 1 /-</u>	<u>H04B 17 /-</u>	<u>H04W 48 /-</u>
2016333334	2016274791	2014342341	2015255874	2015343645	2015355747
2018201760	<u>G06F 21 /-</u>	<u>G07C 9 /-</u>	<u>H02H 3 /-</u>	<u>H04B 7 /-</u>	<u>H04W 72 /-</u>
<u>G01R 31 /-</u>	2018202889	2014342341	2015336908	2015406856	2015343645
2015231695	<u>G06F 3 /-</u>	2017410210	<u>H02J 3 /-</u>	<u>H04J 14 /-</u>	<u>H04W 8 /-</u>
<u>G01R 33 /-</u>	2015253557	<u>G08B 21 /-</u>	2015336908	2015317867	2018214146
2018206704	2016287645	2015243462	<u>H02K 16 /-</u>	<u>H04K 3 /-</u>	<u>H04W 88 /-</u>
<u>G01S 19 /-</u>	2017330125	2016328434	2017240597	2015380336	2015355747
2015405655	2018202690	<u>G08B 29 /-</u>	<u>H02K 29 /-</u>	2018214146	2018214146
<u>G01S 3 /-</u>	2018213989	2015226202	2017240597	<u>H04L 1 /-</u>	<u>H05B 3 /-</u>
2017204786	<u>G06F 9 /-</u>	<u>G08G 1 /-</u>	2018200179	2015343645	2015220801
<u>G01S 5 /-</u>	2014203355	2015414147	<u>H02K 33 /-</u>	<u>H04L 29 /-</u>	<u>H05B 33 /-</u>
2015405655	2017341159	2016245064	2014274530	2016332918	2016283968
<u>G01V 15 /-</u>	2018205196	2016395616	<u>H02K 5 /-</u>	<u>H04L 5 /-</u>	<u>H05B 37 /-</u>
2014389444	<u>G06K 9 /-</u>	<u>G09B 29 /-</u>	2017240597	2015343645	2016283968
<u>G01V 3 /-</u>	2014274970	2016395616	<u>H02K 7 /-</u>	2016384965	2016283968
2017218961	2017213456	<u>G10K 11 /-</u>	2017240597	<u>H04L 9 /-</u>	<u>H05B 6 /-</u>
<u>G02B 27 /-</u>	2017342154	2014272892	<u>H02K 9 /-</u>	2018202889	2014336962
2017218961	2017410210	<u>G16B 20 /-</u>	2014274530	<u>H04M 1 /-</u>	
<u>G02B 27 /-</u>	2018203274	2016263192	<u>H02M 7 /-</u>	2018202690	
2015253557	<u>G06N 99 /-</u>	<u>G16B 30 /-</u>	2016300492	<u>H04M 99 /-</u>	
<u>G02B 6 /-</u>	2016410256	2016263192	2016405033	2018213976	
2016391182	<u>G06Q 10 /-</u>	<u>G16B 40 /-</u>	<u>H02P 25 /-</u>	<u>H04N 13 /-</u>	
2017204601	2016328637	2016263192	2016405033	2019204504	
2018202989	<u>G06Q 20 /-</u>	<u>G16H 40 /-</u>	<u>H02P 27 /-</u>	<u>H04N 19 /-</u>	
<u>G02C 7 /-</u>	2018260849	2014301071	2016405033	2015235991	
2014355032	<u>G06Q 30 /-</u>	<u>H01G 9 /-</u>	<u>H02P 7 /-</u>	2016211797	
2017369607	2018260849	2015349949	2018200179	2017228642	
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2016328637	2015224391	2017245897	2016355154	2018202690	
<u>G05B 23 /-</u>	<u>G06T 1 /-</u>	<u>H01H 9 /-</u>	<u>H03F 3 /-</u>	<u>H04N 5 /-</u>	
2015220801	2018203274	2017245897	2016355154	2018202690	
<u>G06F 1 /-</u>	2014265168	<u>H01J 61 /-</u>	<u>H04R 25 /-</u>		
2014265168	2018203182	2017224019			
<u>G06F 11 /-</u>	<u>G06T 13 /-</u>				
2016410256	2015253557				
2017341159	<u>G06T 15 /-</u>				
2018203442	2017232242				

Certified Innovation Patents**Name Index**

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

(71) KAMBOURIS, A.
(11) AU-B-2019100136
(21) 2019100136 (22) 07.02.2019
(54) HYDROGEN-BASED COMPOSITIONS
(51) Int. Cl.
A61K 33/00 (2006.01)
A23L 2/54 (2006.01)
A61K 8/19 (2006.01)
A61K 9/00 (2006.01)
A61K 9/06 (2006.01)
A61K 9/08 (2006.01)
A61P 3/00 (2006.01)
A61P 17/18 (2006.01)
A61P 39/06 (2006.01)
(31) 2019900340 (32) 04.02.19 (33) AU
(45) 25.07.2019
(72) KAMBOURIS, Ambrosios
(74) Churchill Attorneys

Numerical Index

2019100136 KAMBOURIS, A.

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2019100136

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2019100136

A61P 3 /-

2019100136

A61P 39 /-

2019100136

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Withdrawn - Proceed to Grant

- 2014251015 **Smith & Nephew, Inc.** (Ahurei Pty Ltd)
- 2015223407 **Ecolab USA Inc.** (Cytec Industries Inc.)
- 2016387082 **GD Midea Environment Appliances MFG. Co., Ltd.;**
Midea Group Co., Ltd. (Brilliant Lighting (Aust) Pty
Ltd)

Patents Granted

Standard Patents

2013224667	2013249012	2013254931	2013271879
2013272645	2013316225	2013323530	2013349721
2013401941	2014200547	2014200701	2014202392
2014209886	2014212735	2014223583	2014227602
2014230129	2014237312	2014238076	2014241143
2014241577	2014256989	2014259543	2014259548
2014261003	2014275572	2014280451	2014283232
2014287772	2014289276	2014295819	2014302841
2014307884	2014310509	2014318979	2014319042
2014321364	2014343680	2014346878	2014348191
2014349115	2014352629	2014353222	2014356752
2014357567	2014359649	2014363992	2014364732
2014365904	2014366884	2014370264	2014373641
2014373788	2014374136	2014388463	2014392293
2014414450	2015200518	2015201125	2015201846
2015202243	2015202592	2015202804	2015203044
2015204632	2015205340	2015211197	2015213248
2015215174	2015215627	2015216705	2015217958
2015226021	2015230345	2015231930	2015233036
2015234236	2015234703	2015236273	2015238300
2015238652	2015238796	2015240619	2015240946
2015241297	2015242442	2015243923	2015249020
2015252256	2015256120	2015257525	2015258702
2015259045	2015261879	2015264006	2015265495
2015266183	2015268086	2015270446	2015277637
2015278255	2015284278	2015285187	2015289869
2015290213	2015307358	2015312294	2015312919
2015317825	2015320409	2015322158	2015333635
2015334010	2015335174	2015339621	2015341681
2015346440	2015350374	2015357703	2015361131
2015362021	2015363802	2015369821	2015370592
2015374377	2015380604	2015381262	2015382226
2015385496	2015385864	2015396638	2015397686
2015397939	2015406139	2015416443	2016203356
2016204037	2016207513	2016212943	2016215900
2016216322	2016223322	2016225804	2016227284
2016232526	2016233183	2016233294	2016234968
2016236357	2016239779	2016239887	2016243092
2016244046	2016251652	2016253716	2016258388
2016262929	2016266823	2016267062	2016277685
2016277752	2016287259	2016293819	2016294331
2016300858	2016305897	2016307806	2016310326
2016317899	2016317927	2016318551	2016324269
2016339999	2016340959	2016344399	2016346405
2016346772	2016346883	2016346888	2016347631
2016348517	2016349849	2016354395	2016369259
2016369586	2016378702	2016391118	2016421905
2016426597	2016431581	2017200000	2017200564
2017201078	2017201366	2017201730	2017201966
2017202101	2017202446	2017202522	2017202529
2017203008	2017203543	2017203920	2017203929
2017203934	2017204252	2017204339	2017204598
2017204649	2017206199	2017206247	2017206821
2017208246	2017210519	2017210533	2017210578

Patents Granted

Standard Patents

2017210673	2017213508	2017218926	2017218980
2017220002	2017224147	2017225127	2017228369
2017228537	2017228576	2017232039	2017234647
2017245463	2017248431	2017248512	2017261124
2017261257	2017261457	2017261458	2017261459
2017263013	2017267790	2017268527	2017268653
2017268657	2017268686	2017272199	2017280043
2017306302	2017330233	2017332964	2017370316
2017404842	2018200117	2018200319	2018200390
2018200735	2018202131	2018203018	2018203432
2018203782	2018204466	2018211247	2018211278
2018253466	2018285958	2019200156	2019200168
2019200173	2019200207	2019200322	2019200360
2019200465			

Innovation Patents

2015101960	2016102417	2019100577	2019100595
2019100617	2019100621	2019100625	2019100628
2019100643	2019100660	2019100665	2019100667
2019100668	2019100669	2019100672	2019100673
2019100677	2019100680	2019100681	2019100682
2019100683	2019100684	2019100687	2019100689
2019100691	2019100692	2019100694	2019100695
2019100696	2019100705		

Assignments Registered

- 2001251218 Micronics, Inc. The patent has been assigned to **Perkinelmer Health Sciences, Inc.**
- 2003210787 ARIAD Pharmaceuticals, Inc. The patent has been assigned to **Medinol Ltd.**
- 2005239638 Lubrizol Oilfield Solutions, Inc. The patent has been assigned to **The Lubrizol Corporation**
- 2005250503 ABB Technology Ltd The patent has been assigned to **ABB Schweiz AG**
- 2005250504 ABB Technology Ltd The patent has been assigned to **ABB Schweiz AG**
- 2005265414 Lynxrail Corporation The patent has been assigned to **Wabtec Control Systems Pty Ltd**
- 2006201142 Schingnitz, Manfred; Siemens Fuel Gasification Technology GmbH The patent has been assigned to **Siemens Aktiengesellschaft**
- 2006201143 Schingnitz, Manfred; Siemens Fuel Gasification Technology GmbH The patent has been assigned to **Siemens Aktiengesellschaft**
- 2006201146 Siemens Fuel Gasification Technology GmbH; Schingnitz, Manfred The patent has been assigned to **Siemens Aktiengesellschaft**
- 2006203439 Siemens Fuel Gasification Technology GmbH; Schingnitz, Manfred The patent has been assigned to **Siemens Aktiengesellschaft**
- 2007223073 Lynxrail Corporation The patent has been assigned to **Wabtec Control Systems Pty Ltd**
- 2007225038 Micronics, Inc. The patent has been assigned to **Perkinelmer Health Sciences, Inc.**
- 2007265628 Micronics, Inc. The patent has been assigned to **Perkinelmer Health Sciences, Inc.**

Assignments Registered

2007281282 Oilfield Mineral Solutions Limited The patent has been assigned to **Exkal Limited**

2007302610 BBS (IP) Pty Ltd The patent has been assigned to **AUTOPOUR PTY LTD**

2008275971 Lynxrail Corporation The patent has been assigned to **Wabtec Control Systems Pty Ltd**

2009202913 ARIAD Pharmaceuticals, Inc. The patent has been assigned to **Medinol Ltd.**

2009246769 The Additive Advantage LLC The patent has been assigned to **International Flavors & Fragrances Inc.**

2010232180 JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES; THE RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY; TOKO YAKUHIN KOGYO KABUSHIKI KAISHA The patent has been assigned to **TOKO YAKUHIN KOGYO KABUSHIKI KAISHA; JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES**

2010258715 Micronics, Inc. The patent has been assigned to **Perkinelmer Health Sciences, Inc.**

2010258716 Micronics, Inc. The patent has been assigned to **Perkinelmer Health Sciences, Inc.**

2010276501 LynxRail Corporation The patent has been assigned to **Wabtec Control Systems Pty Ltd**

2011101363 Sprintquip Pty Ltd The patent has been assigned to **LOCKIT SYSTEMS (AUST) PTY LTD**

2011209286 Boehringer Ingelheim International GmbH The patent has been assigned to **GB007, Inc.**

2011328218 Leschik, Udo The patent has been assigned to **Biosun GmbH**

2012210718 Boehringer Ingelheim International GmbH The patent has been assigned to **GB007, Inc.**

2012231165 Realm Therapeutics, Inc. The patent has been assigned to **Urigo US, Inc.**

2012304466 Capital Hardware Supply, Inc. The patent has been assigned to **Capital Hardware Supply, LLC**

2012329100 Baker Hughes, a GE Company LLC The patent has been assigned to **JDI International Leasing Limited**

2013100291 Sprintquip Pty Ltd The patent has been assigned to **Lockit Systems (Aust) Pty Ltd**

2013266436 Capital Hardware Supply, Inc. The patent has been assigned to **Capital Hardware Supply, LLC**

2014248342 Protonex Technology Corporation The patent has been assigned to **Revision Military Soldier Power, LLC**

2014318437 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014318448 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014365770 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014366400 X Development LLC The patent has been assigned to **Makani Technologies LLC**

Assignments Registered

2014367205 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014374074 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014374087 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014374174 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014374395 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2014414855 Halliburton Energy Services, Inc. The patent has been assigned to **Multi-Chem Group LLC.**

2015284731 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2016102109 Giftmobile Pty Ltd The patent has been assigned to **Mobile Digital IP Pty Ltd**

2016206263 Realm Therapeutics, Inc. The patent has been assigned to **Urigo US, Inc.**

2016277585 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2016322936 Radicle Orthopaedics The patent has been assigned to **Acumed LLC**

2017202978 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2017203363 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2017203933 X Development LLC The patent has been assigned to **Makani Technologies LLC**

2017204268 Toshiba Fuel Cell Power Systems Corporation The patent has been assigned to **Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba**

2018101330 Verco, Susanna The patent has been assigned to **Snappy Spurs Pty Ltd**

2018200954 Pork CRC Ltd The patent has been assigned to **Australian Pork Research Institute Ltd**

Licences Registered - Section 187, Reg. 19

(The name in the parentheses is that of the licensee)

2013231096 Hull, K.; Hull, K. (Mega Industries Pty Ltd)

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2016262698 **Glaxo Group Limited**

The earliest first regulatory approval date provided by the patentee 16 Jan 2018

For the goods TRELEGY Ellipta

Corrigenda

In Vol 31 , No 20 , Page(s) 2973 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Bitdefender IPR Management Ltd, Application No. 2015361318, under INID (31) insert 62/217,310; under INID (32) insert the date 11.09.15; under INID (33) insert US

In Vol 31 , No 39 , Page(s) 5717 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name COS IPT Pty Ltd, Application No. 2016345054, under INID (33) correct the country to read AU

In Vol 31 , No 43 , Page(s) 6269 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Novartis AG; The Trustees of the University of Pennsylvania, Application No. 2016249005, under INID (72) correct the co-inventor to Powell Jr., Daniel J.

In Vol 31 , No 49 , Page(s) 7147 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Logital Co. Limited, Application No. 2016269193, under INID (33) correct country to read HK

In Vol 32 , No 10 , Page(s) 1445 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Spirox, Inc., Application No. 2016326676, under INID (72) correct the co-inventor to Girotra, Rohit Kulbhushan

In Vol 32 , No 11 , Page(s) 1556 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Dana-Farber Cancer Institute, Inc., Application No. 2016319785, under INID (54) correct the title to read Acetamide thienotriazolodiazepines and uses thereof

In Vol 32 , No 18 , Page(s) 2661 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name First Ray, LLC, Application No. 2016349854, under INID (72) correct the co-inventor to Triplett, Daniel J.

In Vol 32 , No 22 , Page(s) 3201 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Innoflex, Inc, Application No. 2016361342, under INID (71) correct the applicant name to Innoflex, Inc.

In Vol 32 , No 40 , Page(s) 5615 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Glen Hayden Pring, Application No. 2018236776, under INID (71) correct the applicant name to Glen Haydn Pring.

In Vol 32 , No 5 , Page(s) 724 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Northeastern University; Dana-Farber Cancer Institute, Inc.; The Brigham and Women's Hospital, Inc., Application No. 2016305473, under INID (72) correct the co-inventor to Sridhar, Srinivas

In Vol 33 , No 25 , Page(s) 3628 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Deput Synthes Products, Inc., Application No. 2017387099, under INID (71) correct the applicant name to DePuy Synthes Products, Inc.

In Vol 33 , No 26 , Page(s) 3799 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name

Corrigenda

Purdue Research Foundation, Application No. 2017367699, under INID (72) correct the co-inventor to Nielsen, Jeffrey Jay Howard

In Vol 33 , No 27 , Page(s) 3920 under the heading **Amendments - Application for Amendments** Under the name Boehringer Ingelheim International GmbH, Application No. 2014233705, correct the date of statements filed to read 15 May 2019 and 26 June 2019

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2014262495	Topokine Therapeutics Inc.
2014275115	Microsoft Technology Licensing, LLC
2014375404	CureVac AG
2015218227	Crackertoa Limited
2015243849	Seattle Children's Hospital (dba Seattle Children's Research Institute)
2015280392	Macrogenics, Inc.
2015298480	Nascient Limited
2015312182	Marrone Bio Innovations, Inc.
2015381427	Tendyron Corporation
2016246152	Amgen Inc.
2016251799	Illinois Tool Works Inc.
2016261299	Janssen Vaccines & Prevention B.V.
2016297096	Guardant Health, Inc.
2016306907	Merck Patent GmbH
2016312880	Bayer Pharma Aktiengesellschaft
2016335574	Children's National Medical Center
2016354561	Research Institute at Nationwide Children's Hospital
2016379290	Taiho Pharmaceutical Co., Ltd.
2017215329	MSA Technology, LLC
2017369207	Noxxon Pharma AG
2018200192	The UAB Research Foundation
2019201583	Apple Inc.

Section 105(1A) *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 859 of 2019

Parties to Proceedings

Novartis AG (Appellant)

Arrow Pharmaceuticals Pty Ltd ACN 605 909 911 (Respondent)

Particulars of Amendments Sought:

Novartis AG, the applicant of Australian Patent Application No. 2013204752 has sought an order under section 105(1A) of the *Patents Act* (Cth) directing amendment of Australian Patent Application No. 2013204752 as follows:

Delete pages 57 to 58 and insert new pages 57 to 61, 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.

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THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A method of treating or preventing multiple sclerosis comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol.

2. A method according to claim 1, wherein the composition comprises 90 to 99.5% by weight MCC.

3. A method according claim 1 or claim 2, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

4. A method according to any one of claims 1 to 3, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

85. A method of protecting multiple sclerosis subjects against neurodegenerative brain inflammation, comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol.

6. A method according to claim 5, wherein the composition comprises 90 to 99.5% by weight MCC.

7. A method according claim 5 or claim 6, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

8. A method according to any one of claims 5 to 7, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

9. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol;

in the preparation of a medicament for the treatment or prevention of multiple sclerosis.

10. Use according to claim 9, wherein the composition comprises 90 to 99.5% by weight MCC.

11. Use according to claim 9 or claim 10, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

12. Use according to any one of claims 9 to 11, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

13. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol;

in the preparation of a medicament for protecting multiple sclerosis subjects against neurodegenerative brain inflammation.

14. Use according to claim 13, wherein the composition comprises 90 to 99.5% by weight MCC.

15. Use according to claim 13 or claim 14, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

16. Use according to any one of claims 13 to 15, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.
in the absence of

17. A method of treating or preventing multiple sclerosis comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol.

18. A method according to claim 17, wherein the composition comprises 75 to 99.99% by weight MCC.

19. A method of protecting multiple sclerosis subjects against neurodegenerative brain inflammation, comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol.

20. A method according to claim 19, wherein the composition comprises 75 to 99.99% by weight MCC.

21. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol;

in the preparation of a medicament for the treatment or prevention of multiple sclerosis.

22. Use according to claim 21, wherein the composition comprises 75 to 99.99% by weight MCC.

23. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar or a sugar alcohol;

in the preparation of a medicament for protecting multiple sclerosis subjects against neurodegenerative brain inflammation.

24. Use according to claim 23, wherein the composition comprises 75 to 99.99% by weight MCC.

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. [A method of treating or preventing multiple sclerosis comprising administering to a subject in need thereof](#) a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol.

2. A ~~composition~~[method](#) according to claim 1, ~~comprising~~[wherein the composition comprises](#) 90 to 99.5% by weight MCC.

3. A ~~composition~~[method](#) according claim 1 or claim 2, ~~comprising~~[wherein the composition comprises](#) 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

4. A ~~composition~~[method](#) according to any one of claims 1 to 3, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

~~5. A composition according to any one of the preceding claims for the treatment and prevention of multiple sclerosis.~~

~~6. A method of treating or preventing multiple sclerosis comprising administering to a subject in need thereof a composition according to any one of claims 1 to 4.~~

~~7. A method of treating or preventing an autoimmune disease comprising administering to a subject in need thereof a composition according to any one of claims 1 to 4.~~

[85.](#) A method of protecting multiple sclerosis subjects against neurodegenerative brain inflammation, comprising administering to a subject in need thereof a ~~composition according to~~

~~any one of claims 1 to 4~~solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol.

6. A method according to claim 5, wherein the composition comprises 90 to 99.5% by weight MCC.

7. A method according claim 5 or claim 6, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

8. A method according to any one of claims 5 to 7, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

9. The use of a ~~composition according to any one of claims 1 to 4~~solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol;

in the preparation of a medicament for the treatment or prevention of multiple sclerosis.

10. Use according to claim 9, wherein the composition comprises 90 to 99.5% by weight MCC.

11. Use according to claim 9 or claim 10, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

12. Use according to any one of claims 9 to 11, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

~~10. The use of a composition according to any one of claims 1 to 4, in the preparation of a medicament for the prevention or treatment of an autoimmune disease.~~

13. The use of a ~~composition according to any one of claims 1 to 4~~ solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) 75 to 99.99% by weight microcrystalline cellulose (MCC)

in the absence of a sugar alcohol;

in the preparation of a medicament for protecting multiple sclerosis subjects against neurodegenerative brain inflammation.

14. Use according to claim 13, wherein the composition comprises 90 to 99.5% by weight MCC.

15. Use according to claim 13 or claim 14, wherein the composition comprises 0.5 to 5% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form.

16. Use according to any one of claims 13 to 15, wherein the S1P receptor modulator is 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol hydrochloride.

~~12. — A process for producing a pharmaceutical composition of any one of claims 1 to 4, comprising the steps:~~

- ~~(a) mixing S1P receptor modulator with a microcrystalline cellulose,~~
- ~~(b) milling the mixture obtained in (a); and~~
- ~~(c) mixing the milled mixture obtained in (b) with a lubricant.~~

~~13. — A pharmaceutical composition prepared by the process of claim 12.~~

~~14. — A solid pharmaceutical composition according to claim 1, substantially as hereinbefore described with reference to any one of the Examples.~~

~~15. — A solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:~~

~~(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and~~

~~(b) a microcrystalline cellulose (MCC)~~

~~in the absence of both a sugar and a sugar alcohol.~~

17. — A method of treating or preventing multiple sclerosis comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form; and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol.

18. — A method according to claim 17, wherein the composition comprises 75 to 99.99% by weight MCC.

19. A method of protecting multiple sclerosis subjects against neurodegenerative brain inflammation, comprising administering to a subject in need thereof a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol.

20. A method according to claim 19, wherein the composition comprises 75 to 99.99% by weight MCC.

21. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;
and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar and a sugar alcohol;

in the preparation of a medicament for the treatment or prevention of multiple sclerosis.

22. Use according to claim 21, wherein the composition comprises 75 to 99.99% by weight MCC.

23. The use of a solid pharmaceutical composition suitable for oral administration in the form of a tablet or a capsule, comprising:

(a) 0.1 to 10% by weight of the S1P receptor modulator 2-amino-2-[2-(4-octylphenylethyl)]propane-1,3-diol, in free form or in a pharmaceutically acceptable salt form;

and

(b) a microcrystalline cellulose (MCC)

in the absence of both a sugar or a sugar alcohol;

in the preparation of a medicament for protecting multiple sclerosis subjects against neurodegenerative brain inflammation.

24. Use according to claim 23, wherein the composition comprises 75 to 99.99% by weight MCC.