



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

*For Information on the following please see our website www.ipaustralia.gov.au
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

Freedom of Information ACT

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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.

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 15 October 2020
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

***EIS GmbH v Novoluto GmbH* [2020] APO 44**

Patent Application: 2015386680

Title: Stimulation device having an extension

Patent Applicant: Novoluto GmbH

Opponent: EIS GmbH

Delegate: Greg Powell

Decision Date: 2 October 2020

Hearing Date: 19 February 2020, in Canberra

Catchwords: **PATENTS** – section 59 – opposition to the grant of a patent – novelty – no claims found to lack novelty – inventive step – suitable person skilled in the art – lack of inventive step not established – lack of support – lack of support not established – clarity – lack of clarity not established – utility – no evidence to establish lack of utility – opposition unsuccessful – award of costs

Representation: Counsel for the applicant: Chris Burgess
Patent attorney for the applicant: Edward Quinn of Spruson & Ferguson

Counsel for the opponent: Ben Fitzpatrick
Patent attorney for the opponent: Lars Koch of Pizzeys Patent and Trade Mark Attorneys

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 29 Sep 2020 .

(71) Albert Donald Grant Pty Ltd (21) 2020903449 (22) 25.09.2020 (54) Pallet	(71) COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (21) 2020903422 (22) 23.09.2020 (54) Method of ageing fish	(71) Infravision Holdings Pty Ltd (21) 2020903435 (22) 24.09.2020 (54) Power line stringing system and method
(71) Apex Biotech Research Pty Ltd (21) 2020903493 (22) 28.09.2020 (54) Formulations comprising botanical extracts	(71) Cyclomedica Australia Pty Limited (21) 2020903443 (22) 24.09.2020 (54) A crucible coupler for a carbon aerosol generator	(71) Kirkford Pty Ltd (21) 2020903498 (22) 29.09.2020 (54) Dewatering apparatus
(71) Arnaudon, A.F. (21) 2020903437 (22) 24.09.2020 (54) Cable Pit Cover	(71) de la Motte, L. (21) 2020903428 (22) 23.09.2020 (54) Foldable Monitor-Case	(71) Lin, S. (21) 2020903420 (22) 23.09.2020 (54) Foldable optical transmission system for use in a motorcycle helmet.
(71) Barker, L. (21) 2020903444 (22) 24.09.2020 (54) STEEL PANEL WEATHERBOARD CLADDING	(71) Far West Primary Industries Pty Ltd (21) 2020903446 (22) 24.09.2020 (54) BORE PLUG ASSEMBLY	(71) MTD Holdings NSW Pty Ltd; Stirling & Dunkirk Investments Pty Ltd (21) 2020903423 (22) 23.09.2020 (54) A PREFABRICATED WALL ASSEMBLY
(71) Bednarski, D. (21) 2020903445 (22) 24.09.2020 (54) An Automated Bond Transaction System	(71) Fiber Sense Pty Ltd (21) 2020903494 (22) 28.09.2020 (54) Fibre optic sensing method and system for generating a dynamic digital representation of objects and events in an area	(71) Nanokote Pty Ltd (21) 2020903440 (22) 24.09.2020 (54) COATING PROCESS
(71) BFRE Pty Ltd (21) 2020903425 (22) 23.09.2020 (54) Drip Capping	(71) Growave Pty Ltd (21) 2020903499 (22) 29.09.2020 (54) Microwave irradiating apparatus	(71) Permall, J.E. (21) 2020903500 (22) 29.09.2020 (54) TRAFFIC STOP CAMERA ASSEMBLY
Blank, S. see S.C BLANK & B COURT (21) 2020903433	HICKSON, J.F. see HICKSON, B. (21) 2020903432	(71) Pretlove, H.J. (21) 2020903486 (22) 28.09.2020 (54) A Dual Option Tow Hitch
(71) CHARLTON, T.S. (21) 2020903419 (22) 23.09.2020 (54) Plant Pot Insert	(71) HICKSON, B.; HICKSON, J.F. (21) 2020903432 (22) 24.09.2020 (54) WIRELESS EFFLUENT LEVEL WARNING ALARM	(71) Rapid Phenotyping Pty Limited (21) 2020903489 (22) 28.09.2020 (54) Field Configurable Multispectroscopy System
(71) Commonwealth Scientific and Industrial Research Organisation (21) 2020903430 (22) 24.09.2020 (54) An X-ray fluorescence system	(71) Hunter Pacific International Pty Ltd (21) 2020903418 (22) 23.09.2020 (54) PIVOT MECHANISM FOR CEILING FAN	(71) S.C BLANK & B COURT; Blank, S. (21) 2020903433 (22) 24.09.2020 (54) Interlocking Reusable Food Container

Provisional Applications Filed - Name Index cont'd

(71) Sack, A.
 (21) 2020903491 (22) 28.09.2020
 (54) Configurable Blanket

(71) Worthington, M.
 (21) 2020903473 (22) 26.09.2020
 (54) R.O.C. HARD

(71) Schenck Process Australia Pty Limited
 (21) 2020903451 (22) 25.09.2020
 (54) Method of Estimating Cumulative Damage or Fatigue Strength of a Vibrating Machine

(71) Shewbox Pty Ltd
 (21) 2020903490 (22) 28.09.2020
 (54) A Liquid Thickener Concentrate

(71) Southern Green Gas Limited
 (21) 2020903488 (22) 28.09.2020
 (54) An Atmospheric Water Generator and Carbon Dioxide Extractor

(71) Spark, I.
 (21) 2020903495 (22) 29.09.2020
 (54) Improved semi-trailer or dog trailer

**Stirling & Dunkirk Investments Pty Ltd see
 MTD Holdings NSW Pty Ltd**
 (21) 2020903423

(71) Thomson Aviation Pty Ltd
 (21) 2020903482 (22) 28.09.2020
 (54) AN IMPROVED TRANSMITTER COIL

(71) Todd, P.J.
 (21) 2020903492 (22) 28.09.2020
 (54) A WATERCRAFT MANOEUVRING DEVICE AND A SURFACE WATER-CRAFT INCLUDING THE MANOEUVRING DEVICE

(71) Torres, A.
 (21) 2020903497 (22) 29.09.2020
 (54) A Cannabichromene Composition formulation for use in the treatment of Tinea Pedis

(71) Volkman, M.
 (21) 2020903483 (22) 28.09.2020
 (54) An improved apparatus and method for applying paint or another liquids to an uneven surface

(71) Williams, B.
 (21) 2020903426 (22) 23.09.2020
 (54) Half Haz-Mat Suit

(71) WITH KYLA PTY LTD
 (21) 2020903431 (22) 24.09.2020
 (54) Brush Defence - Isopropyl Alcohol, Strawberry & Vanilla Fragrance Oil.

Numerical Index

2020903418	Hunter Pacific International Pty Ltd
2020903419	CHARLTON, T.S.
2020903420	Lin, S.
2020903422	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
2020903423	MTD Holdings NSW Pty Ltd; Stirling & Dunkirk Investments Pty Ltd
2020903425	BFRE Pty Ltd
2020903426	Williams, B.
2020903428	de la Motte, L.
2020903430	Commonwealth Scientific and Industrial Research Organisation
2020903431	WITH KYLA PTY LTD
2020903432	HICKSON, B.; HICKSON, J.F.
2020903433	S.C BLANK & B COURT; Blank, S.
2020903435	Infravision Holdings Pty Ltd
2020903437	Arnaudon, A.F.
2020903440	Nanokote Pty Ltd
2020903443	Cyclomedica Australia Pty Limited
2020903444	Barker, L.
2020903445	Bednarski, D.
2020903446	Far West Primary Industries Pty Ltd
2020903449	Albert Donald Grant Pty Ltd
2020903451	Schenck Process Australia Pty Limited
2020903473	Worthington, M.
2020903482	Thomson Aviation Pty Ltd
2020903483	Volkman, M.
2020903486	Pretlove, H.J.
2020903488	Southern Green Gas Limited
2020903489	Rapid Phenotyping Pty Limited
2020903490	Shewbox Pty Ltd
2020903491	Sack, A.
2020903492	Todd, P.J.
2020903493	Apex Biotech Research Pty Ltd
2020903494	Fiber Sense Pty Ltd
2020903495	Spark, I.
2020903497	Torres, A.
2020903498	Kirkford Pty Ltd
2020903499	Growave Pty Ltd
2020903500	Permall, J.E.

Complete Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 29 Sep 2020 .

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

<p>(71) AbbVie Inc. (21) 2020239679 (22) 23.09.2020 (54) Crystal forms (62) 2015269306</p>	<p>(54) System, method and user interface for supporting scheduled mode changes on electronic devices (31) 63/023,214 (32) 11.05.20 (33) US</p>	<p>(71) Apple Inc. (21) 2020239727 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Aerovironment, Inc. (21) 2020239722 (22) 24.09.2020 (54) Systems and devices for remotely operated unmanned aerial vehicle report-suppressing launcher with portable RF transparent launch tube (62) 2018256590</p>	<p>(71) Apple Inc. (21) 2020239691 (22) 23.09.2020 (54) Systems, methods, and graphical user interfaces for annotating, measuring, and modeling environments (31) 62/969,647 (32) 03.02.20 (33) US 17/018,994 11.09.20 US</p>	<p>(71) Apple Inc. (21) 2020239728 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Allied Chefs Pty Ltd (21) 2020239712 (22) 24.09.2020 (54) A container and apparatus for dispensing the container (31) 2019903997 (32) 23.10.19 (33) AU</p>	<p>(71) Apple Inc. (21) 2020239711 (22) 24.09.2020 (54) User interface for audio message (31) PA 2020 70617 (32) 22.09.20 (33) DK 63/023,225 11.05.20 US 63/041,979 21.06.20 US</p>	<p>(71) Apple Inc. (21) 2020239731 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Amgen Inc. (21) 2020239681 (22) 23.09.2020 (54) Overexpression Of N-Glycosylation Pathway Regulators To Modulate Glycosylation Of Recombinant Proteins (62) 2018264100</p>	<p>(71) Apple Inc. (21) 2020239717 (22) 24.09.2020 (54) User interfaces for managing media (31) PA202070611 (32) 21.09.20 (33) DK 63/032,871 01.06.20 US</p>	<p>(71) Apple Inc. (21) 2020239731 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Apple Inc. (21) 2020239675 (22) 23.09.2020 (54) Systems, methods, and graphical user interfaces for annotating, measuring, and modeling environments (31) 62/969,647 (32) 03.02.20 (33) US 17/018,980 11.09.20 US</p>	<p>(71) Apple Inc. (21) 2020239723 (22) 24.09.2020 (54) Magnetic alignment systems with NFC for electronic devices (31) 62/907,332 (32) 27.09.19 (33) US 63/061,752 05.08.20 US 17/028,256 22.09.20 US</p>	<p>(71) Apple Inc. (21) 2020239731 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Apple Inc. (21) 2020239686 (22) 23.09.2020 (54) System, method and user interface for supporting scheduled mode changes on electronic devices (31) 63/023,214 (32) 11.05.20 (33) US</p>	<p>(71) Apple Inc. (21) 2020239725 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>	<p>(71) Apple Inc. (21) 2020239732 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>
<p>(71) Apple Inc. (21) 2020239688 (22) 23.09.2020 (54) Systems, methods, and graphical user interfaces for annotating, measuring, and modeling environments (31) 62/969,647 (32) 03.02.20 (33) US 17/018,958 11.09.20 US</p>	<p>(71) Apple Inc. (21) 2020239726 (22) 24.09.2020 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (31) 62/987,870 (32) 10.03.20 (33) US 62/987,871 11.03.20 US 63/008,656 10.04.20 US 63/023,237 11.05.20 US 63/041,993 21.06.20 US</p>	<p>(71) Apple Inc. (21) 2020239740 (22) 24.09.2020 (54) User interfaces for health applications (31) PA202070619 (32) 22.09.20 (33) DK 63/033,829 02.06.20 US 63/033,832 03.06.20 US 63/078,315 14.09.20 US</p>
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 (31) 16/582,885 (32) 25.09.19 (33) US
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 (21) 2020239738 (22) 24.09.2020
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- (71) Clear Technology Holdings, LLC
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- (71) Innowell Solutions AS
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 (54) COMPOSITIONS COMPRISING METHYLPHENIDATE-PRODRUGS, PROCESSES OF MAKING AND USING THE SAME
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 (31) 1910677 (32) 27.09.19 (33) FR
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(21) 2020239682 (22) 23.09.2020

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(71) Lummus Technology LLC
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(71) Morita Kagaku Kogyo Co., Ltd.
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Reis, H. see Temple University-Of The Commonwealth System of Higher Education

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(71) Thomas Dudley Limited

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(71) Vermeer Manufacturing Company

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(71) Windbidco Pty Ltd

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(54) METHOD AND SYSTEM FOR DETECTING AIRCRAFT INDUCED WAKE TURBULENCE

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2020239743	Apple Inc.		

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Applications listed below were processed through the Patent Office Canberra during the period ending 29 Sep 2020 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<hr/> <p>(71) A, R.S.; Balasubramaniam, V.; Janarthanan, M.; Midhunchakkaravarthy, D.; Palani, S.; Le, D.N.; Nguyen, G.N.; Krishnan Nair, S.; Sengan, S.; R, R. (21) 2020102542 (22) 30.09.2020 (54) MACHINE LEARNING ENRICHED PLUG IN AND PLAY BOOK ONTO- LOGY APP FOR ONLINE E-STORES</p> <hr/> <p>Aggarwal, V. see Bhargava, C. (21) 2020102543</p> <hr/> <p>(71) Alikovna, E. (21) 2020102492 (22) 29.09.2020 (54) SYSTEM OF MEANS FOR INDEXING THE BOOKS OF THE BIBLE (62) PCT/UA2018/000095</p> <hr/> <p>(71) Army Academy of Armored Forces of PLA (21) 2020102530 (22) 30.09.2020 (54) LASER CLEANING ROBOT SYSTEM FOR CLEANING INNER WALL OF PIPELINE</p> <hr/> <p>B, V. see Devarajan, B. (21) 2020102449</p> <hr/> <p>B, G. see Devarajan, B. (21) 2020102449</p> <hr/> <p>Balasubramaniam, V. see A, R.S. (21) 2020102542</p> <hr/> <p>Bansal, B.N. see Bhargava, C. (21) 2020102543</p> <hr/> <p>(71) BAO, W.; MIAO, W.; LUO, J. (21) 2020102464 (22) 28.09.2020 (54) A miniaturized air-lift membrane bioreactor for decentralized sewage treatment</p> <hr/> <p>(71) Beihang University (21) 2020102532 (22) 30.09.2020 (54) PIV WHOLE FLOW FIELD SYN- CHRONIZATION AUTOMATIC MEAS- UREMENT SYSTEM BASED ON RO- TATING EXPERIMENTAL TABLE</p> <hr/> <p>(71) Beijing Baijialun environmental protection Technology Co., Ltd (21) 2020102540 (22) 30.09.2020</p>	<p>(54) Method, product and application for de- grading sludge heavy metals by extreme microorganisms</p> <hr/> <p>(71) Beijing University of Posts and Telecom- munications; Henan Science Harvest Tech- nology Co., Ltd (21) 2020102521 (22) 30.09.2020 (54) Mobile phone back cover visual inspection production line</p> <hr/> <p>(71) BGRIMM Technology Group (21) 2020102537 (22) 30.09.2020 (54) METHOD FOR PREPARING BAT- TERY-GRADE NICKEL SULFATE AND COBALT SULFATE FROM MIXED NICKEL-COBALT HYDROXIDE (31) 202010519493.5 (32) 09.06.20 (33) CN</p> <hr/> <p>(71) Bhargava, C.; Sharma, P.K.; Aggarwal, V.; Gupta, S.; Singla, V.K.; Shipra ; Rani, U.; Krishan, B.; Bansal, B.N.; Kulkarni, V. (21) 2020102543 (22) 30.09.2020 (54) IOT BASED TRUST MODELING APPROACH FOR COOPERATIVE AUTONOMOUS DRIVING AND INTEL- LIGENT TRANSPORT SYSTEMS (ITS)</p> <hr/> <p>Bhoi, A.K. see MOHAMMED, A. (21) 2020102473</p> <hr/> <p>Bhoi, P.B. see MOHAMMED, A. (21) 2020102473</p> <hr/> <p>Bisoy, S.K. see MOHAMMED, A. (21) 2020102473</p> <hr/> <p>CAO, Z. see LIU, C. (21) 2020102515</p> <hr/> <p>Chang, P. see Moridi, M.A. (21) 2020102510</p> <hr/> <p>CHANG, L. see LIU, C. (21) 2020102515</p> <hr/> <p>(71) Changsha Broad-Ocean Bio-Science and Technique Co., Ltd. (21) 2020102519 (22) 30.09.2020 (54) Feed additive with the effect of promoting lactation and improving meat quality</p> <hr/>	<p>(71) Changsha Broad-Ocean Bio-Science and Technique Co., Ltd. (21) 2020102523 (22) 30.09.2020 (54) Natural plant feed additive for poultry</p> <hr/> <p>(71) Changsha Broad-Ocean Bio-Science and Technique Co., Ltd. (21) 2020102524 (22) 30.09.2020 (54) Production method of decursin</p> <hr/> <p>CHEN, R. see CUI, Z. (21) 2020102465</p> <hr/> <p>CHEN, Z. see LIU, Z. (21) 2020102479</p> <hr/> <p>CHEN, S. see WANG, H. (21) 2020102517</p> <hr/> <p>(71) China National Institute of Standardization (21) 2020102511 (22) 29.09.2020 (54) Sampling method and device for random sampling</p> <hr/> <p>CHINA TOBACCO HEBEI INDUSTRIAL CO.,LTD. see Tobacco Research Institute of Chinese Academy of Agricultural Sciences (21) 2020102522</p> <hr/> <p>(71) Chongqing Jiaotong University (21) 2020102493 (22) 29.09.2020 (54) A BRAKING CONTROL SYSTEM TO SHIPS BY ELECTRIC PROPULSION</p> <hr/> <p>(71) Chongqing University of Posts and Tele- communications (21) 2020102536 (22) 30.09.2020 (54) A MICROFIBER PHOTOACOUSTIC DE- TECTION DEVICE AND ITS DETEC- TION METHOD</p> <hr/> <p>Chordiya, S.B. see Gupta, D. (21) 2020102512</p> <hr/> <p>(71) CUI, Z.; CHEN, R.; HONG, S.; LIU, D.; LIU, L.; TANG, S.; YAO, X. (21) 2020102465 (22) 28.09.2020 (54) A method of predicting housing price using the method of combining multiple source data with mathematical model</p> <hr/> <p>CUI, K. see LIU, C.</p>
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(54) Temperature Monitoring System

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Henan Science Harvest Technology Co., Ltd see Beijing University of Posts and Telecommunications
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(71) Implant Solutions Pty Ltd
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(54) METHOD FOR SEPARATING NANO-STRUCTURE COMPONENT FROM MONGOLIAN MEDICINE BLACK BORNEOL AND OBTAINED NANO-STRUCTURE COMPONENT
(31) 201911392498.X (32) 30.12.19 (33) CN

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SION POINT FOR HOT AIR-MI-
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(54) Method for Removing Acid Gases from
Flue Gas by using Metal Tailings

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(54) The Thirsty Nomad is a point of use, process technology, in-line water purifier. The unit combines 5 stages of water treatment technologies. Stage 1: Mesorb HMRG Granular Media. Stage 2: Nano Ag Cu Ti Fabric. Stage 3: GE Techno Co., Limited. Stage 4: Kitz Ultrafiltration. Stage 5 : Quantum Disinfection (QD) media. Each technology "conditions" the water for optimal performance of the QD media to kill viruses and bacteria to 99.9999% within 0.01/second. The Thirsty Nomad purifies microbiologically unsafe water to safe drinking levels, the first water treatment unit to combine these technologies.

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(54) A method of gas sensor calibration based on linear optimization

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(71) Zhongkai University of Agriculture and Engineering
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2020102448	Ramana, K.; Kumar, M.R.; Senthil Mahesh, P.; Prasanthi, B.; Hari Krishna, T.; Surya Narayana, G.; Kallam, S.	2020102500	Miller, G.
2020102449	Devarajan, B.; Devarajan, B.; M, S.; J, A.; B, V.; L, J.A.; B, G.; Muthukrishnan, P.	2020102501	Kunming University of Science and Technology
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2020102463	Diao, B.; Liu, Y.	2020102515	LIU, C.; CHANG, L.; CAO, Z.; CUI, K.; WU, J.; GONG, Y.
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2020102465	CUI, Z.; CHEN, R.; HONG, S.; LIU, D.; LIU, L.; TANG, S.; YAO, X.	2020102517	WANG, H.; CHEN, S.; LIAN, Y.; WANG, Z.; WU, C.
2020102466	LIU, T.; HONG, Z.; YI, F.	2020102518	WANG, C.; LU, J.; YUAN, X.; SHEN, Z.; ZHAO, H.
2020102467	ZOU, X.; DAI, L.; LAN, J.; SHEN, J.; WEN, T.	2020102519	Changsha Broad-Ocean Bio-Science and Technique Co., Ltd.
2020102468	Tianjin University	2020102520	Tianjin University of Technology
2020102469	Dalian University of Technology	2020102521	Beijing University of Posts and Telecommunications; Henan Science Harvest Technology Co., Ltd
2020102470	Wenzhou Medical University	2020102522	Tobacco Research Institute of Chinese Academy of Agricultural Sciences; Guangxi Zhuang Autonomous Region Tobacco Corporation Baise Branch; CHINA TOBACCO HEBEI INDUSTRIAL CO.,LTD.
2020102471	Shandong Agricultural University	2020102523	Changsha Broad-Ocean Bio-Science and Technique Co., Ltd.
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2020102473	MOHAMMED, A.; Bhoi, A.K.; Mallick, P.K.; Panigrahi, R.; Bisoy, S.K.; Bhoi, P.B.; Panda, A.R.; Panda, M.R.; Priyadarshi, N.; Shaik, M.	2020102525	Pingdingshan University
2020102474	Jiangsu Academy of Agricultural Sciences	2020102526	Jiangsu Bangsheng Biological Technology Co., Ltd
2020102475	Sunny Technology Enterprise Limited	2020102527	Shanxi Agricultural University
2020102476	LV, H.; FAN, Z.; LIAO, L.; SUI, Z.	2020102528	Jiangsu Bangsheng Biological Technology Co., Ltd
2020102477	LIN, Y.; WU, Y.; LIU, Y.; QIAN, Z.; WU, J.; HE, C.	2020102529	QINGDAO AGRICULTURAL UNIVERSITY
2020102478	LIU, Y.; YANG, H.; LYU, M.; ZHOU, Y.; WEN, H.	2020102530	Army Academy of Armored Forces of PLA
2020102479	LIU, Z.; KONG, G.; TANG, Y.; XU, G.; CHEN, Z.; WANG, J.	2020102531	Guizhou Youyanchunxiang ecological grain and oil technology Co., Ltd.; Guizhou Rapeseed Institute
2020102481	Research Institute of Pomology, Chinese Academy of Agricultural Sciences	2020102532	Beihang University
2020102482	Hefei University of Technology	2020102533	Jiangxi Agricultural University
2020102484	Mascot Engineering Co Pty Ltd	2020102534	Nanjing Daqo Electrical Institute Co., Ltd.; Daqo Group Co., Ltd; Nanjing Daqo Electric Co., Ltd.; Zhenjiang Klockner-Moeller Electrical Systems Co., Ltd.
2020102485	Nanjing Yanchang Reaction Technology Research Institute Co., Ltd.	2020102535	Xinjiang University; Xinjiang Uygur Autonomous Region Bureau of Geology and Mineral Exploration and Development the first Hydrologic Engineering Geology group; Xinjiang Xuefeng Blasting Engineering Co. LTD
2020102486	Xero Limited	2020102536	Chongqing University of Posts and Telecommunications
2020102487	Xero Limited	2020102537	BGRIMM Technology Group
2020102488	Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences	2020102538	Implant Solutions Pty Ltd
2020102489	Kunming University of Science and Technology	2020102539	XUZHOU UNIVERSITY OF TECHNOLOGY
2020102490	Feng, M.	2020102540	Beijing Baijialun environmental protection Technology Co., Ltd
2020102491	Taiyuan University of Technology	2020102541	XUZHOU UNIVERSITY OF TECHNOLOGY
2020102492	Alikovna, E.	2020102542	A, R.S.; Balasubramaniam, V.; Janarthanan, M.; Midhunchakkaravarthy, D.; Palani, S.; Le, D.N.; Nguyen, G.N.; Krishnan Nair, S.; Sengan, S.; R, R.
2020102493	Chongqing Jiaotong University	2020102543	Bhargava, C.; Sharma, P.K.; Aggarwal, V.; Gupta, S.; Singla, V.K.; Shipra .; Rani, U.; Krishan, B.; Bansal, B.N.; Kulkarni, V.
2020102494	THE THIRSTY NOMAD PTY LTD		
2020102495	Swingra Cricket Pty Ltd		
2020102496	Institute of Economic Forest, Xinjiang Academy of Forestry Sciences, Urumqi, P.R. China		
2020102497	Inner Mongolia Medical University; Inner Mongolia Autonomous Region International Mongolian Medicine Hospital (Inner Mongolia Autonomous Region Mongolian Medicine Research Ins		

Innovation Patent Applications Filed - Numerical Index cont'd

Applications with amended filing dates Reg 3.5(A).

2020101900 **Qinghu Rising Sunshine Data Technology (Beijing) Co., Ltd.** The filing date has been amended to 21.08.2020

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified
- N Applications not Open to Public Inspection

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2015

2015295499 Commissariat à l'énergie Atomique et aux Énergies Alternatives The application has been assigned to **Commissariat à l'énergie Atomique et aux Énergies Alternatives; Colas**

2015305819 Tamir Biotechnology, Inc. The application has been assigned to **Orgenesis Inc.**

2015332701 KATHREIN SE The application has been assigned to **Telefonaktiebolaget LM Ericsson (Publ)**

2015406253 Changzhou Jiekai Pharmatech Co., Ltd. The application has been assigned to **JS InnoPharm (Shanghai) Ltd.**

2016

2016232123 KATHREIN SE The application has been assigned to **Telefonaktiebolaget LM Ericsson (Publ)**

2016267390 Maxtank Pty Ltd The application has been assigned to **Welltech Pty Ltd**

2016316454 KATHREIN SE The application has been assigned to **Telefonaktiebolaget LM Ericsson (Publ)**

2016352215 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2016353806 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2016360122 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2016364969 First Ray, LLC The application has been assigned to **Crossroads Extremity Systems, LLC**

2016372750 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2017

2017207533 Bellini, Francesco; Cerquetella, Matteo; Klox Technologies Limited; Spaterna, Andrea; Tambella, Adolfo Maria; Ohayon, David; Loupis, Nikolaos; Piergallini, Remigio The application has been assigned to **Vetoquinol SA; Bellini, Francesco; Cerquetella, Matteo; Tambella, Adolfo Maria; Spaterna, Andrea; Loupis, Nikolaos; Ohayon, David; Piergallini, Remigio**

2017207534 Klox Technologies Limited; Bellini, Francesco; Marchegiani, Andrea; Spaterna, Andrea; Piergallini, Remigio; Loupis, Nikolaos The application has been assigned to **Vetoquinol SA; Bellini, Francesco; Marchegiani, Andrea; Loupis, Nikolaos; Piergallini, Remigio**

2017207536 Klox Technologies Limited The application has been assigned to **Vetoquinol SA**

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2017381585 Mosaic Biomedicals S.L.U.; Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron; Fundacio Privada Institutio Catalana de Recerca I Estudis Avancats The application has been assigned to **MedImmune Limited; Fundacio Privada Institutio Catalana de Recerca I Estudis Avancats; Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron**

2017382164 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2017382640 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

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2018219964 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

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2019

2019201832 Dongyang Haoming Clothing Co., Ltd. The application has been assigned to **Jining Qikang Packaging Co., Ltd.**

2019202060 Dongyang Haoming Clothing Co., Ltd. The application has been assigned to **Jining Qikang Packaging Co., Ltd.**

2019202193 Shengzhou Huijie Household Products Co., Ltd. The application has been assigned to **Jining Beila Lamps Co., Ltd.**

2019202204 Linhai Shengzhi Cup Industry Co., Ltd. The application has been assigned to **Jining Beila Lamps Co., Ltd.**

2019202363 Jiaxing Dingsheng Cup Industry Co., Ltd. The application has been assigned to **Jining Beila Lamps Co., Ltd.**

2019202543 Jiashan County Hanlin Glasses Co., Ltd. The application has been assigned to **Jining Hanrui Glasses Co., Ltd.**

2019202832 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

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2019203849 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203850 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203853 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203857 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203863 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203869 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019203952 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204027 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204052 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204054 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204061 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204063 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204707 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204708 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204710 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204711 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204712 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204713 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204723 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

Assignments before Grant, Section 113

2019204724 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204725 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204729 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204730 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204731 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204733 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019204735 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207309 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207310 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207311 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207312 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207314 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019207527 Hard Metals Australia Pty Limited The application has been assigned to **Iron Grip Holdings Pty Limited**

2019209559 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019209580 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019210045 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019210058 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019210226 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019221567 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019221570 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

Assignments before Grant, Section 113

2019221574 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019222729 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019222730 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019222743 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019227618 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019228483 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019231997 Garcia, Kenan; The Board of Trustees of the Leland Stanford Junior University; Picton, Lora; Sockolosky, Jonathan The application has been assigned to **The Board of Trustees of the Leland Stanford Junior University**

2019232751 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019232799 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019242559 Chen, Lan The application has been assigned to **CHO Pharma USA, Inc**

2019248524 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019248525 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019248542 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019253789 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019257397 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019257474 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019265827 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019271370 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019272129 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

Assignments before Grant, Section 113

2019274012 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019276149 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019276150 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019276151 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019276152 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019277162 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019277175 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019282850 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019292928 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019294726 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019295815 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2019295818 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2020

2020102275 Chengdu Fenglan Technology Co., Ltd.; Sichuan New Hope Animal Husbandry Technology Co., Ltd.; New Hope Liuhe Limited Liability Company The application has been assigned to **Sichuan TEK-MAX Biotechnology Co., Ltd.; Sichuan Tequ Agriculture and Animal Husbandry Technology Group Co., Ltd.**

2020203979 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2020204535 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

2020210283 Alibaba Group Holding Limited The application has been assigned to **Advanced New Technologies Co., Ltd.**

Extensions of Time, Section 223

Applications Received

Extensions of Time, Section 223

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.

2018

2018333267 **MAXICUT PTY LTD** An application to extend the time from 14 Apr 2020 to 14 Sep 2020 in which to enter the national phase has been filed . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

Applications Allowed - Section 223(2)

2004

2004304826 **Genefluidics, Inc.** The time in which to pay the renewal fee has been extended to 27 May 2020 . Address for service - Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

2013

2013286827 **Cervino, C.** The time in which to pay a continuation fee has been extended to 08 Feb 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014

2014240361 **Eco-Blu Pool Components LLC** The time in which to pay the renewal fee has been extended to 08 May 2020 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

2014290203 **Wisconsin Alumni Research Foundation** The time in which to gain acceptance has been extended to 10 Jan 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2015

2015206538 **Fabric Genomics, Inc.; University of Utah** The time in which to gain acceptance has been extended to 22 Jan 2021 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2015251350 **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** The time in which to gain acceptance has been extended to 11 Jan 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2015266027 **QIAGEN GmbH** The time in which to gain acceptance has been extended to 02 Jan 2021 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2015342729 **Think One Pty Ltd** The time in which to pay the continuation fee has been extended to 06 Jun 2020 . Address for service - Houlihan? Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2015391669 **Karl Brotzmann Consulting GmbH** The time in which to gain acceptance has been extended to 04 Jan 2021 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2015412580 **Guadalajara, J.** The time in which to pay the continuation fee has been extended to 22 May 2020 . Address for service - Spruson & Ferguson GPO BOX 3898 Sydney NSW 2001 AU

Extensions of Time, Section 223

2016

2016270304 **FMC Corporation** The time in which to gain acceptance has been extended to 02 Jan 2021 . Address for service - Houlihan? Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2016292948 **You, N.** The time in which to request examination has been extended to 14 Dec 2020 . Address for service - Krouzer IP PO Box 7980 BAULKHAM HILLS BC NSW 2153 AU

2017

2017101799 **J & S Joyce Pty Ltd** The time in which to pay a renewal fee has been extended to 22 Jul 2020 . Address for service - George Griziotis Patent Attorney PO Box 1210 Cronulla NSW 2230 AU

2017326010 **Polaris Industries Inc.** The time in which to gain acceptance has been extended to 02 Jan 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017369753 **Aptose Biosciences Inc.** The time in which to request examination has been extended to 28 Dec 2020 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2018

2018201402 **Regeneron Pharmaceuticals, Inc.** The time in which to gain acceptance has been extended to 10 Jan 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

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

2018256852 **Lipkens, Bart; Tostoes, Rui; Chitale, Kedar C.; Ross-Johns-rud, Benjamin; Presz, jr. walter m.; Saloio, Jack** The time in which to enter the National Phase has been extended to 26 Apr 2020 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2018279046 **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** The time in which to gain acceptance has been extended to 16 Oct 2020 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2018376911 **THRACE NONWOVENS & GEOSYNTHETICS S.A.** The time in which to enter the national phase has been extended to 01 Oct 2020 . Address for service - Shelston IP Pty Ltd. Level 9 60 Margaret Street Sydney NSW 2000 AU

2019

2019902012 **Marshall, V.** The time in which to associate with a complete application has been extended to 10 Dec 2020 . Address for service - Virginia Marshall 14 Condor Close Invermay Park VIC 3350 AU

2019903688 **Hinton, S.** The time in which to associate with a complete application has been extended to 01 Jan 2021 . Address for service - George Griziotis Patent Attorney PO BOX 1210 Cronulla NSW 2230 AU

2020

2020201970 **Dow AgroSciences LLC** The time in which to make a further application for a divisional patent has been extended to 21 Mar 2020 . Address

Extensions of Time, Section 223

for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2020202382 **ExploraMed NC7, Inc.** The time in which to make a further application for a divisional patent has been extended to 22 Apr 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020203253 **iBiquity Digital Corporation** The time in which to request examination has been extended to 26 Aug 2020 . Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth St Sydney NSW 2000 AU

Amendments

Applications for Amendment

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

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

2017

2017228842 Method for determining free surface reflectivity for seismic data processing **Downunder Geosolutions Pty Ltd.** The nature of the amendment is as shown in the statement(s) filed 18 Sep 2020 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2018

2018252237 Co-localisation **Blue Vision Labs UK Limited** The nature of the amendment is as shown in the statement(s) filed 09 Sep 2020 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 Sydney NSW 2001 AU

2020

2020101045 ORAL LACTIC ACID BACTERIA PARTICLE FOR REGULATING IMMUNITY AND MAINTAINING INTESTINAL HEALTH **UNI-TONGXIN BIOTECH CO., LTD.** The nature of the amendment is: Delete inventor ZHUANG, XIANG-YING . Address for service - Atkinson IP PO Box 967 Hurstville BC NSW 1481 AU

2020101182 Rose grading tool **Lynch Group Australia Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Gioia, Gino . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2020102073 Protection device for landslide prevention **Sichuan University of Science & Engineering ; BZ Geotechnical Co. Ltd.** The nature of the amendment is: Amend the name of the inventor to read Wu, Haoliang; Bi, Yuzhang; Sun, Xinpo; Bi, Yuzhang; Fu, Xianlei; Tuo, Xianguo; Wu, Haoliang and Guo, Yi . Address for service - Remarkable IP PO Box 207 Queenstown Otago 9348 NZ

2020200692 Heterocyclic amides useful as protein modulators **Glaxo-SmithKline Intellectual Property Development Limited** The nature of the amendment is as shown in the statement(s) filed 17 Sep 2020 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Amendments Made

Amendments**2013**

2013318059 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 13 May 2020

2013323596 **Advanced Accelerator Applications International SA** The nature of the amendment is as shown in the statement(s) filed 27 May 2020

2014

2014336960 **Conexio Genomics Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 29 Jun 2020

2015

2015259236 **Berry Film Products Company, Inc.** The nature of the amendment is as shown in the statement filed 11 Jun 2020

2015309862 **Eisai R&D Management Co., Ltd.** The nature of the amendment is as shown in the statement filed 03 Jul 2020

2015329784 **Redx Pharma PLC** The nature of the amendment is as shown in the statement filed 25 Jun 2020

2015362045 **Seth, R.** The nature of the amendment is as shown in the statement filed 17 Jun 2020

2015369906 **ADAMA Makhteshim Ltd.** The nature of the amendment is as shown in the statement filed 30 Jun 2020

2016

2016275716 **Almirall, S.A.** The nature of the amendment is as shown in the statement filed 17 Jun 2020

2016305715 **National Oilwell Varco Denmark I/S** The nature of the amendment is as shown in the statement filed 07 Jul 2020

2016364929 **Emulate, Inc.** The nature of the amendment is: Amend the name of the inventor to read Hamilton, Geraldine; Jang, Kyung Jin; Haney, Suzette; Ronxhi, Janey; Kodelia, Konstantia; Park, Hyoung Shin; Sliz, Josiah Daniel; Petropolis, Debora; Levner, Daniel and Otieno, Monicah

2016374520 **Motion Metrics International Corp.** The nature of the amendment is as shown in the statements filed 17 Jan 2020, 16 Apr 2020 and 3 Jul 2020

2016428287 **Mitsubishi Electric Corporation** The nature of the amendment is as shown in the statement filed 06 Jul 2020

2017

2017212848 **Advanced Inhalation Therapies (AIT) Ltd.** The nature of the amendment is: Amend the invention title to read Systems for inhalation of therapeutic and diagnostic gas and methods of use thereof

2018

2018202658 **Bohbot, V.** The nature of the amendment is as shown in the statement filed 03 Jul 2020

2018204513 **Advanced Accelerator Applications International SA** The nature of the amendment is as shown in the statement(s) filed 27 May 2020

Amendments

2018209556 **Tayu Huaxia Biotech Medical Group Co., Ltd.** The nature of the amendment is as shown in the statement filed 29 Jun 2020

2018218668 **Dexos Drinks Limited** The nature of the amendment is: Amend the invention title to read A Liquid Container with a Dispenser

2018256484 **Redpath, J.; Redpath, T.** The nature of the amendment is: Amend the name of the inventor to read Redpath, James and Redpath, Tawfiq S. J.

2018309213 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement filed 08 Jul 2020

2018409987 **Beijing Tusen Weilai Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read Autonomous vehicle control method and autonomous driving control device

2018410266 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Indoor unit of air-conditioning apparatus, and air-conditioning apparatus including the indoor unit

2018410435 **Beijing Tusen Weilai Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read Port area monitoring method and system, and central control system

2018411164 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Air-conditioning apparatus

2018416833 **Jiangsu Vocational College of Agriculture and Forestry** The nature of the amendment is: Application is to proceed under the number 2018102189

2018416917 **South China Agricultural University** The nature of the amendment is: Amend the invention title to read A SEGMENTING-TYPED SUGARCANE COMBINE HARVESTER WITH A CENTERPOSITIONED FAN

2018417537 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read DATA TRANSMISSION METHOD, COMMUNICATIONS APPARATUS, STORAGE MEDIUM, AND PROGRAM PRODUCT

2018419293 **Suzhou SLAC Precision Equipment Co., Ltd.** The nature of the amendment is: Amend the invention title to read A Pressure Resistant Basic Shell, Easy Open End and Can with Easy Open End

2019

2019100698 **Tjandra, S.** The nature of the amendment is: Amend the priority details to read CN201920257512.4 28 Feb 2019 CN

2019203995 **Mayne Pharma International Pty Ltd** The nature of the amendment is as shown in the statement filed 30 Jun 2020

2019206731 **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 15 Jul 2020

2019210332 **Pascal Biosciences Inc.** The nature of the amendment is: Amend the name of the inventor to read GADEK, Thomas Richard; GRAY, Patrick William and JEFFERIES, Wilfred Arthur

Amendments

2019221209 **Landis+Gyr AG** The nature of the amendment is as shown in the statement filed 10 Sep 2020

2019224354 **Tokai University Educational System; Nippon Zoki Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2020

2019231565 **Mikol, E.** The nature of the amendment is: Amend the name of the inventor to read THAN, Hung T. and MIKOL, Edward J

2019236204 **KSQ Therapeutics, Inc.** The nature of the amendment is: Amend the priority details to read 62/768,458 16 Nov 2018 US; 62/768,443 16 Nov 2018 US; 62/768,428 16 Nov 2018 US; 62/768,448 16 Nov 2018 US; 62/804,265 12 Feb 2019 US; 62/643,597 15 Mar 2018 US; 62/643,587 15 Mar 2018 US; 62/643,578 15 Mar 2018 US; 62/692,019 29 Jun 2018 US; 62/692,100 29 Jun 2018 US; 62/692,010 29 Jun 2018 US; 62/643,598 15 Mar 2018 US and 62/692,110 29 Jun 2018 US

2019241546 **Morinaga Milk Industry Co., Ltd.** The nature of the amendment is as shown in the statement filed 16 Sep 2020

2019243341 **Mitsui Chemicals, Inc.** The nature of the amendment is as shown in the statement filed 21 Sep 2020

2019243943 **PTC Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read SYDORENKO, Nadiya; ALAN, Md Raful; AMEDZO, Lukiana; BABU, Suresh; BIAZITOV, Ramil Y.; BAR-RAZA, Scott J.; BHATTACHARYYA, Anuradha; KARP, Gary Mitchell; KENTON, Nathaniel T.; MAZZOTTI, Anthony R.; MOON, Young-Choon; MSZAR, Nicholas W.; NARASIMHAN, Jana; PAL, Sudipta; PATEL, Jigar S.; TURPOFF, Anthony; WOLL, Matthew G.; XU, Zhenrong and ZHANG, Nanjing

2019245978 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Power source quality management system and air conditioning apparatus

2019246496 **Commissariat a l'Energie Atomique et aux Energies Alternatives; Mannesmann Precision Tubes France** The nature of the amendment is as shown in the statement filed 14 Sep 2020

2019249273 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is: Amend the invention title to read Methods of treatment using a leptin receptor agonist antibody

2019250512 **Grimme Landmaschinenfabrik GmbH & Co KG** The nature of the amendment is: Amend the invention title to read Screening belt unit for a harvesting machine, and associated flap unit

2019299616 **CRRC Qiqihar Rolling Stock Co., Ltd.** The nature of the amendment is as shown in the statements filed 28 Aug 2020

2020

2020102298 **Kegspeed, LLC** The nature of the amendment is: Amend the divisional details to read 2019101641

2020203753 **Third Pole, Inc.** The nature of the amendment is: Amend the name of the inventor to read ZAPOL, David G.; HALL, Gregory W.; SCHOLZ, Wolfgang and GILLERMAN, Ian J.

Amendments

2020903355 **Redarc Technologies Pty Ltd** The nature of the amendment is: Amend the invention title to read A Synchronous DC-DC Power Converter with a Single Power Storage Element

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

2002

2002050658 voestalpine Nortrak Inc. ; VAE GmbH The name of the patentee has been altered to **voestalpine Railway Systems Nortrak Inc.; VAE GmbH**

2003

2003256858 The Johns Hopkins University; CIPHERGEN BIOSYSTEMS, INC. The name of the patentee has been altered to **The Johns Hopkins University; Aspira Women's Health Inc.**

2005

2005230445 CIPHERGEN BIOSYSTEMS, INC.; THE JOHNS HOPKINS UNIVERSITY The name of the patentee has been altered to **Aspira Women's Health Inc.; The Johns Hopkins University**

2005239655 voestalpine Nortrak Inc. ; VAE GmbH The name of the patentee has been altered to **voestalpine Railway Systems Nortrak Inc.; VAE GmbH**

2006

2006223374 CIPHERGEN BIOSYSTEMS, INC.; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM; THE JOHNS HOPKINS UNIVERSITY The name of the patentee has been altered to **Aspira Women's Health Inc.; Board Of Regents, The University Of Texas System; The Johns Hopkins University**

2006261904 CIPHERGEN BIOSYSTEMS, INC. The name of the patentee has been altered to **Aspira Women's Health Inc.**

2006262182 The Johns Hopkins University; CIPHERGEN BIOSYSTEMS, INC. The name of the patentee has been altered to **The Johns Hopkins University; Aspira Women's Health Inc.**

2012

2012216473 CIPHERGEN BIOSYSTEMS, INC. The name of the patentee has been altered to **Aspira Women's Health Inc.**

2012220896 Vermillion, Inc. The name of the patentee has been altered to **Aspira Women's Health Inc.**

2014

2014268273 VOESTALPINE VAE GMBH; VOESTALPINE NORTRAK INC. The name of the patentee has been altered to **VOESTALPINE VAE GMBH; voestalpine Railway Systems Nortrak Inc.**

2015

2015210343 CIPHERGEN BIOSYSTEMS, INC. The name of the patentee has been altered to **Aspira Women's Health Inc.**

2015328357 Municipal Energy Services, Inc The name of the patentee has been altered to **Municipal Emergency Services, Inc.**

Amendments**2017**

2017401117 Voestalpine Nortrak Inc. ; voestalpine VAE GmbH The name of the applicant has been altered to **voestalpine Railway Systems Nortrak Inc.; voestalpine VAE GmbH**

2017406925 voestalpine Nortrak Inc. ; voestalpine VAE GmbH The name of the applicant has been altered to **voestalpine Railway Systems Nortrak Inc.; voestalpine VAE GmbH**

2018

2018256484 Redpath, James The name of the patentee has been altered to **Redpath, J.; Redpath, T.**

2018400796 voestalpine Nortrak Inc.; voestalpine VAE GmbH The name of the applicant has been altered to **voestalpine Railway Systems Nortrak Inc.; voestalpine VAE GmbH**

2019

2019203293 HEE Solar, L.L.C. The name of the applicant has been altered to **Hunt Perovskite Technologies, L.L.C.**

2020

2020102032 Harbin Weir Welding Co. LTD The name of the patentee has been altered to **Harbin Well Welding Co., Ltd.**

Applications Open to Public Inspection

Name Index

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

(71) 2308134 Ontario Inc.
 (11) AU-A-2020233784
 (21) 2020233784 (22) 18.09.2020
 (54) System and method for brokering the publication of media content
 (51) Int. Cl.
G06Q 30/06 (2012.01)
G06Q 30/08 (2012.01)
H04L 12/16 (2006.01)
 (43) 15.10.2020
 (62) 2014361666
 (72) Moore, Ron; French, Brian L.
 (74) Davies Collison Cave Pty Ltd

(71) AbbVie Inc.
 (11) AU-A-2020239679
 (21) 2020239679 (22) 23.09.2020
 (54) Crystal forms
 (51) Int. Cl.
C07K 5/10 (2006.01)
A61K 38/12 (2006.01)
 (43) 15.10.2020
 (62) 2015269306
 (72) CHEN, Shuang; GATES, Bradley D.; SHEIKH, Ahmad Y.
 (74) Spruson & Ferguson

(71) Acumed LLC
 (11) AU-A-2020239657
 (21) 2020239657 (22) 22.09.2020
 (54) Methods, instruments and implants for scapho-lunate reconstruction
 (51) Int. Cl.
A61F 2/46 (2006.01)
 (43) 15.10.2020
 (62) 2019203570
 (72) ROSENWASSER, Melvin; ROSENWASSER, Edward; VON AMSBERG, Marc; DONALDSON, Cate; SCHULTZ, Matt
 (74) Griffith Hack

(71) Adobe Inc.
 (11) AU-A-2019283835
 (21) 2019283835 (22) 17.12.2019
 (54) INTERACTIVE DEEP MATTING
 (51) Int. Cl.
G06T 7/194 (2017.01)
 (31) 16/365,213 (32) 26.03.19 (33) US
 (43) 15.10.2020
 (72) Price, Brian; Cohen, Scott; Forte, Marco; Xu, Ning
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) AEL Mining Services Limited
 (11) AU-A-2020202062
 (21) 2020202062 (22) 23.03.2020

(54) BOOSTER SHELL
 (51) Int. Cl.
F42B 3/00 (2006.01)
F42B 3/22 (2006.01)
F42D 1/08 (2006.01)
 (31) 2019/01844 (32) 26.03.19 (33) ZA
 (43) 15.10.2020
 (72) Bezuidenhout, Hendrik Cornelius; Grobelaar, John Alfred
 (74) Madderns Pty Ltd

(71) Aerovironment, Inc.
 (11) AU-A-2020239722
 (21) 2020239722 (22) 24.09.2020
 (54) Systems and devices for remotely operated unmanned aerial vehicle report-suppressing launcher with portable RF transparent launch tube
 (51) Int. Cl.
B64C 13/20 (2006.01)
B64F 1/04 (2006.01)
F41F 3/04 (2006.01)
 (43) 15.10.2020
 (62) 2018256590
 (72) Miralles, Carlos Thomas; Su, Guan H.; Andryukov, Oleksandr; McNeil, John
 (74) Shelston IP Pty Ltd.

(71) ALSTOM Transport Technologies
 (11) AU-A-2020202019
 (21) 2020202019 (22) 20.03.2020
 (54) Method for dynamically adapting the operation of at least one traction substation of a railway vehicle electrical power supply system, computer program and associated device
 (51) Int. Cl.
H02J 1/00 (2006.01)
B60L 9/04 (2006.01)
B60L 15/04 (2006.01)
B60M 1/02 (2006.01)
B60M 3/02 (2006.01)
B60M 3/04 (2006.01)
 (31) 19 03081 (32) 25.03.19 (33) FR
 (43) 15.10.2020
 (72) Authie, Pierre
 (74) Davies Collison Cave Pty Ltd

(71) ALSTOM Transport Technologies
 (11) AU-A-2020202071
 (21) 2020202071 (22) 23.03.2020
 (54) Method, system, and software code for calibration of rail track circuits, and related rail track circuit
 (51) Int. Cl.
B61L 1/18 (2006.01)
 (31) 16/367,936 (32) 28.03.19 (33) US
 (43) 15.10.2020
 (72) Fries, Jeffrey; Mijatovic, Nenad
 (74) Davies Collison Cave Pty Ltd

(71) ALSTOM Transport Technologies
 (11) AU-A-2020202074
 (21) 2020202074 (22) 23.03.2020
 (54) Method for acquiring data captured by a capture module embedded in a mobile device following a predetermined trajectory, corresponding computer program and device
 (51) Int. Cl.
G06F 17/00 (2019.01)
 (31) 19 03097 (32) 25.03.19 (33) FR
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 (72) Bonnevey, Vincent; Andre, Hubert
 (74) Davies Collison Cave Pty Ltd

(71) ALSTOM Transport Technologies
 (11) AU-A-2020202084
 (21) 2020202084 (22) 24.03.2020
 (54) Method and system for localizing a railway vehicle, and related railway vehicle
 (51) Int. Cl.
B61L 25/02 (2006.01)
 (31) 201941012286 (32) 28.03.19 (33) IN
 (43) 15.10.2020
 (72) Ganesan, Muniandi
 (74) Davies Collison Cave Pty Ltd

Altman, C. see Aviv, Y.
 (21) 2020202085

(71) Amgen Inc.
 (11) AU-A-2020239681
 (21) 2020239681 (22) 23.09.2020
 (54) Overexpression Of N-Glycosylation Pathway Regulators To Modulate Glycosylation Of Recombinant Proteins
 (51) Int. Cl.
C12P 21/00 (2006.01)
C12N 9/10 (2006.01)
C12N 15/85 (2006.01)
 (43) 15.10.2020
 (62) 2018264100
 (72) GUPTA, Shivani; KANG, Sohye
 (74) WRAYS PTY LTD

(71) Amtek Pty Limited
 (11) AU-A-2020201892
 (21) 2020201892 (22) 16.03.2020
 (54) IMPROVED WALL CONSTRUCTION FOR PRISONER TRANSPORT
 (51) Int. Cl.
B60R 21/12 (2006.01)
B60P 3/03 (2006.01)
 (31) 2019900998 (32) 25.03.19 (33) AU
 (43) 15.10.2020
 (72) MOSES, Alan
 (74) Halfords IP

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<p>(71) Angel Playing Cards Co., Ltd. (11) AU-A-2020233764 (21) 2020233764 (22) 18.09.2020 (54) Fraudulence monitoring system of table game and fraudulence monitoring program of table game (51) Int. Cl. G07F 17/32 (2006.01) (43) 15.10.2020 (62) 2018232941 (72) Shigeta, Yasushi (74) Davies Collison Cave Pty Ltd</p>	<p>(31) 62/826,482 16/832,659 (32) 29.03.19 27.03.20 (33) US US (43) 15.10.2020 (72) PERROW, Shane; HOLLAND, Martin; KALRA, Harsh (74) Griffith Hack</p>	<p>(71) Armor (11) AU-A-202020218 (21) 202020218 (22) 20.03.2020 (54) Current collector, associated set and storing device (51) Int. Cl. H01M 4/00 (2006.01) (31) 19 03146 (32) 26.03.19 (33) FR (43) 15.10.2020 (72) Blin, Marie-Anne; Guichard, Pierre; Pair-eau, Cyril (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Applied Hybrid Energy Pty Ltd (11) AU-A-2020239646 (21) 2020239646 (22) 22.09.2020 (54) ENERGY CONTROL AND GENERATION METHOD AND SYSTEM (51) Int. Cl. H02J 3/46 (2006.01) H02J 4/00 (2006.01) H02J 11/00 (2006.01) (43) 15.10.2020 (62) 2018229535 (72) Atanackovic, Petar Branko; Ellice-Flint, John Charles (74) Madderns Pty Ltd</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2020233779 (21) 2020233779 (22) 18.09.2020 (54) GAMING MACHINES, METHODS OF GAMING AND GAMING SYSTEMS (51) Int. Cl. A63F 13/00 (2006.01) A63F 13/40 (2014.01) A63F 13/50 (2014.01) G07F 17/34 (2006.01) (43) 15.10.2020 (62) 2018279034 (72) BRADLEY, Hendricks; BURCZYK, Damien; HRITZ, Todd Jeremy (74) Griffith Hack</p>	<p>(71) Aurigene Discovery Technologies Limited (11) AU-A-2020239615 (21) 2020239615 (22) 21.09.2020 (54) 1,2,4-oxadiazole derivatives as immunomodulators (51) Int. Cl. C07D 271/06 (2006.01) A61K 31/4245 (2006.01) A61K 31/433 (2006.01) C07D 285/08 (2006.01) (43) 15.10.2020 (62) 2018271231 (72) Sasikumar, Pottayil Govindan Nair; Ramachandra, Muralidhara; Naremaddepalli, Seetharamaiah Setty Sudarshan (74) Adrian M Trioli Patent and Trade Mark Attorney</p>
<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2019232942 (21) 2019232942 (22) 20.09.2019 (54) GAMING DEVICE WITH RETRIGGERABLE COMPOSITE FEATURE GAME (51) Int. Cl. G07F 17/32 (2006.01) (31) 2019901010 (32) 26.03.19 (33) AU (43) 15.10.2020 (72) Paterson, Lauren; Loader, James; Kendall, Karen; Visser, Antoon (74) Griffith Hack</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2020239633 (21) 2020239633 (22) 21.09.2020 (54) ELECTRONIC GAMING SYSTEM FOR AWARDING MULTIPLE OF WAGER AND METHOD OF USE (51) Int. Cl. A63F 13/45 (2014.01) (43) 15.10.2020 (62) 2019200783 (72) HAWKINS, Ryan; HONEYCUTT, Robert; JOHNS, Stephanie (74) Griffith Hack</p>	<p>(71) Aviv, Y.; Altman, C. (11) AU-A-2020202085 (21) 2020202085 (22) 24.03.2020 (54) Package and opening assembly therefor (51) Int. Cl. B65D 17/42 (2006.01) B65D 17/30 (2006.01) B67B 7/46 (2006.01) (31) 265655 (32) 27.03.19 (33) IL (43) 15.10.2020 (72) Aviv, Yaron; Altman, Chen (74) Shelston IP Pty Ltd.</p>
<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2019236613 (21) 2019236613 (22) 23.09.2019 (54) GAMING DEVICE WITH MULTIPLE TRIGGERABLE FEATURE GAMES (51) Int. Cl. G07F 17/32 (2006.01) (31) 2019901009 (32) 26.03.19 (33) AU (43) 15.10.2020 (72) PATERSON, Lauren; LOADER, James; KENDALL, Karen; VISSER, Antoon (74) Griffith Hack</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2020239649 (21) 2020239649 (22) 22.09.2020 (54) A GAMING SYSTEM AND A METHOD OF GAMING (51) Int. Cl. G07F 17/34 (2006.01) (43) 15.10.2020 (62) 2018256497 (72) HUANG, Douglas Da; STEWART, Scott Monroe (74) Griffith Hack</p>	<p>(71) Ball Corporation (11) AU-A-2020239684 (21) 2020239684 (22) 23.09.2020 (54) ALUMINUM ALLOY FOR IMPACT EXTRUDED CONTAINERS AND METHOD OF MAKING THE SAME (51) Int. Cl. C22C 21/00 (2006.01) C22F 1/04 (2006.01) (43) 15.10.2020 (62) 2016433840 (72) Siles, John L.; Melancon, Samuel; Platek, Stanley; Chatey, Anthony (74) Madderns Pty Ltd</p>
<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2020202255 (21) 2020202255 (22) 30.03.2020 (54) GAMING MACHINE DISPLAY, SYSTEMS AND METHODS (51) Int. Cl. A63F 13/25 (2014.01) G07F 17/32 (2006.01)</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (11) AU-A-2020239660 (21) 2020239660 (22) 22.09.2020 (54) A GAMING SYSTEM AND A METHOD OF GAMING (51) Int. Cl. A63F 13/45 (2014.01) A63F 13/52 (2014.01) A63F 13/55 (2014.01) (43) 15.10.2020 (62) 2019200758 (72) CHAN, Matthew; GUPTA, Lipi (74) Griffith Hack</p>	<p>(71) BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD. (11) AU-A-2020239623 (21) 2020239623 (22) 21.09.2020</p>

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 (51) Int. Cl.
H04W 64/00 (2009.01)
G06Q 10/04 (2012.01)
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 (43) 15.10.2020
 (62) 2017411519
 (72) LUO, Qing; WANG, Zheng
 (74) Caska IP Pty Ltd

(71) BETA VISION PRODUCTS AUSTRALIA PTY LTD
 (11) AU-A-2020202222
 (21) 2020202222 (22) 28.03.2020
 (54) PARTICULATES BARRIER AND RELATED METHODS AND APPARATUS
 (51) Int. Cl.
E02D 29/02 (2006.01)
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 (43) 15.10.2020
 (72) Vasta, Salvatore
 (74) Daniel Rosenthal

(71) Binder + Co AG
 (11) AU-A-2020239658
 (21) 2020239658 (22) 22.09.2020
 (54) Segregation of mineral-containing objects or plastic objects
 (51) Int. Cl.
B07C 5/342 (2006.01)
 (43) 15.10.2020
 (62) 2016228928
 (72) Huber, Reinhold; Taucher, Reinhard
 (74) FB Rice Pty Ltd

(71) Biogen MA Inc.
 (11) AU-A-2020239734
 (21) 2020239734 (22) 24.09.2020
 (54) Methods of treating multiple sclerosis
 (51) Int. Cl.
A61K 31/225 (2006.01)
A61P 25/02 (2006.01)
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 (72) Novas, Mark; Zhang, Rui (Ray)
 (74) FB Rice Pty Ltd

Biomed Valley Discoveries, Inc. see The Johns Hopkins University
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(71) Biomerica, Inc.
 (11) AU-A-2020233774
 (21) 2020233774 (22) 18.09.2020
 (54) COMPOSITIONS, DEVICES, AND METHODS OF IBS SENSITIVITY TESTING
 (51) Int. Cl.
G01N 33/53 (2006.01)
A61B 10/00 (2006.01)
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 (62) 2018203500
 (72) Laderman, Elisabeth; Irani-Cohen, Zackary
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Blackhawk Network, Inc.
 (11) AU-A-2020239652
 (21) 2020239652 (22) 22.09.2020
 (54) System and method of registering stored-value cards into electronic wallets
 (51) Int. Cl.
G06Q 20/36 (2012.01)
 (43) 15.10.2020
 (62) 2019200882
 (72) Campos, Tomas Ariel; Vaish, Tushar; Agoncillo-Andres, Sheila; Ponnam, Rajesh
 (74) Davies Collison Cave Pty Ltd

(71) British Columbia Cancer Agency Branch; The University of British Columbia University-Industry Liaison Office
 (11) AU-A-2020233630
 (21) 2020233630 (22) 14.09.2020
 (54) HETEROCYCLIC COMPOUNDS FOR CANCER IMAGING AND TREATMENT AND METHODS FOR THEIR USE
 (51) Int. Cl.
C07D 249/04 (2006.01)
A61K 31/4164 (2006.01)
A61K 31/4192 (2006.01)
A61K 31/495 (2006.01)
A61K 51/04 (2006.01)
A61P 35/00 (2006.01)
C07D 233/64 (2006.01)
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 (72) Sadar, Marianne Dorothy; Mawji, Nasrin R; Banuelos, Carmen Adriana; Andersen, Raymond John; Fernandez, Javier Garcia; Jian, Kunzhong
 (74) Davies Collison Cave Pty Ltd

(71) C.R. Bard, Inc.
 (11) AU-A-2020239733
 (21) 2020239733 (22) 24.09.2020
 (54) ACTUATION LOCKOUT FOR A SURGICAL INSTRUMENT
 (51) Int. Cl.
A61B 17/068 (2006.01)
 (43) 15.10.2020
 (62) 2016261059
 (72) Ranucci, Kevin J.; Cauldwell, Nathan Stewart; Ziniti, Donald E
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Cambridge Enterprise Limited University of Cambridge see Yale University
 (21) 2020239664

Caterpillar Global Mining Equipment LLC see Caterpillar Global Mining HMS GmbH
 (21) 2020201797

(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC
 (11) AU-A-2020201623
 (21) 2020201623 (22) 04.03.2020
 (54) AUTOMATIC DRILL PIPE COUPLING DETECTION CONTROL SYSTEM
 (51) Int. Cl.
E21B 44/00 (2006.01)
E21B 3/02 (2006.01)
 (31) 16/366,468 (32) 27.03.19 (33) US
 (43) 15.10.2020
 (72) SHAHID, Ahsan; KUISSI, Hyppolite
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Global Mining HMS GmbH; Caterpillar Global Mining Equipment LLC
 (11) AU-A-2020201797
 (21) 2020201797 (22) 11.03.2020
 (54) SYSTEM AND METHOD OF TRACKING FLAT SURFACES OF A COMPONENT OF A DRILLING MACHINE
 (51) Int. Cl.
E21B 19/20 (2006.01)
 (31) 62/824,939 (32) 27.03.19 (33) US
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 (72) DIEKMANN, Timo; HOULT, Ross L.; MOBERG, Carl J.; GLOVER, Rex; KUIS-SI, Hyppolite; TAYLOR, Samuel C.; SHAHID, Ahsan
 (74) FPA Patent Attorneys Pty Ltd

(71) Chiasma Inc.; Mamluk, R.; Gelbaum, D.
 (11) AU-A-2020239738
 (21) 2020239738 (22) 24.09.2020
 (54) Oral octreotide administered in combination with other therapeutic agents
 (51) Int. Cl.
C07K 7/00 (2006.01)
A61K 38/08 (2006.01)
 (43) 15.10.2020
 (62) 2015360485
 (72) Mamluk, Roni; Gelbaum, Dana; Haviv, Asi
 (74) Spruson & Ferguson

Children's Medical Center Corporation see PRESIDENT AND FELLOWS OF HARVARD COLLEGE
 (21) 2020239616

(71) China University of Mining and Technology
 (11) AU-A-2019435042
 (21) 2019435042 (22) 27.09.2019
 (54) Two-step grouting modified coal mining method under water-preservation for roof aquifer
 (51) Int. Cl.
E21C 41/18 (2006.01)
 (31) 2019102254927 (32) 25.03.19 (33) CN
 (43) 15.10.2020
 (72) FAN, Gangwei; ZHANG, Dongsheng; ZHANG, Shizhong; XIN, Liankai; LIANG, Shuaishuai
 (74) Madderns Pty Ltd

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(71) Chunan Liyi Cup Co., Ltd.
 (11) AU-A-2019202324
 (21) 2019202324 (22) 03.04.2019
 (54) A vegetable basket convenient for draining
 (51) Int. Cl.
A47J 43/24 (2006.01)
 (31) 2019102292613 (32) 25.03.19 (33) CN
 (43) 15.10.2020
 (72) Yang, Minghua
 (74) Chunan Liyi Cup Co., Ltd.

(71) Chunan Liyi Cup Co., Ltd.
 (11) AU-A-2019202362
 (21) 2019202362 (22) 04.04.2019
 (54) A child-friendly dinner plate
 (51) Int. Cl.
A47G 19/06 (2006.01)
A47G 19/02 (2006.01)
 (31) 2019102400618 (32) 27.03.19 (33) CN
 (43) 15.10.2020
 (72) Yang, Minghua
 (74) Chunan Liyi Cup Co., Ltd.

(71) CJ Cheiljedang Corporation
 (11) AU-A-2019226146
 (21) 2019226146 (22) 19.07.2019
 (54) Variant phosphoribosylpyrophosphate amidotransferase and method of preparing purine nucleotide using the same
 (51) Int. Cl.
C12P 19/32 (2006.01)
 (31) 10-2019-0035683 (32) 28.03.19 (33) KR
 (43) 15.10.2020
 (72) Lee, Ji Hye; Park, So-jung; Baek, Min Ji
 (74) Shelston IP Pty Ltd.

(71) Clear Technology Holdings, LLC
 (11) AU-A-2020239721
 (21) 2020239721 (22) 24.09.2020
 (54) Waterborne light radiation absorbing polyurethane mixed polyester polymer coating system
 (51) Int. Cl.
C09D 5/32 (2006.01)
 (43) 15.10.2020
 (62) 2016226080
 (72) HIBBARD, Jonathan
 (74) Spruson & Ferguson

(71) COSMAX NBT, INC.
 (11) AU-A-2019204266
 (21) 2019204266 (22) 18.06.2019
 (54) Emulsified oil composition for suppressing off-taste and off-flavor including oil containing polyunsaturated fatty acids, food containing the same, and methods for preparing the same
 (51) Int. Cl.
A23D 9/06 (2006.01)
A23G 3/40 (2006.01)
A23G 3/48 (2006.01)
A23L 29/10 (2016.01)
A23L 33/12 (2016.01)
 (31) 10-2019-0038063 (32) 01.04.19 (33) KR
 (43) 15.10.2020
 (72) LEE, Yoon Jong; LEE, Byung Joo; YOON, Man Suk; PARK, Jin Woo; KIM, Hye Jin;

KIM, Hye Young; PARK, Jee Ho; CHOE, Gi Tae

(74) Allens Patent & Trade Mark Attorneys

(71) Coulomb Inc.
 (11) AU-A-2020239645
 (21) 2020239645 (22) 22.09.2020
 (54) Energy management apparatus to upgrade and control an existing circuit breaker panel
 (51) Int. Cl.
H01H 71/04 (2006.01)
H01H 73/12 (2006.01)
H02H 3/04 (2006.01)
 (43) 15.10.2020
 (62) 2018210158
 (72) Bazhinov, Alexander
 (74) Davies Collison Cave Pty Ltd

(71) Covidien LP
 (11) AU-A-2020239641
 (21) 2020239641 (22) 22.09.2020
 (54) Robotic surgical assemblies and instrument drive connectors thereof
 (51) Int. Cl.
A61B 34/30 (2016.01)
A61B 17/00 (2006.01)
A61B 34/00 (2016.01)
 (43) 15.10.2020
 (62) 2016326371
 (72) KOPP, Brock
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(71) Crown Orthotic Laboratory Pty Ltd
 (11) AU-A-2019246917
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 (54) Insole capable of assisting corrections of various foot problems
 (51) Int. Cl.
A43B 17/00 (2006.01)
A61F 5/14 (2006.01)
 (31) 108203887 (32) 29.03.19 (33) TW
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 (43) 15.10.2020
 (72) Najjarine, Abdul Rahman; Najjarine, Adam
 (74) Cotters Patent & Trade Mark Attorneys

(71) Cytec Industries Inc.
 (11) AU-A-2020233766
 (21) 2020233766 (22) 18.09.2020
 (54) SURFACING MATERIALS FOR COMPOSITE STRUCTURES
 (51) Int. Cl.
B32B 5/02 (2006.01)
B32B 9/00 (2006.01)
B32B 9/04 (2006.01)
B32B 15/08 (2006.01)
B32B 27/10 (2006.01)
B32B 27/12 (2006.01)
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 (72) Sang, Junjie Jeffrey; Kohli, Dalip Kumar; Mullery, Kevin R.
 (74) Phillips Ormonde Fitzpatrick

DAI, J. see PAN, M.
 (21) 2019202129

(71) Dali Systems Co. Ltd.
 (11) AU-A-2020239653
 (21) 2020239653 (22) 22.09.2020
 (54) DISTRIBUTED ANTENNA SYSTEM NETWORK ANALYTICS
 (51) Int. Cl.
G01S 19/01 (2010.01)
H04B 1/40 (2006.01)
H04B 10/00 (2006.01)
H04W 4/90 (2018.01)
H04W 52/24 (2009.01)
H04W 64/00 (2009.01)
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 (72) Stapleton, Shawn Patrick
 (74) RnB IP Pty Ltd

(71) Depuy Ireland Unlimited Company, Inc.
 (11) AU-A-2020239724
 (21) 2020239724 (22) 24.09.2020
 (54) Surgical planning and method
 (51) Int. Cl.
A61F 2/38 (2006.01)
A61B 34/10 (2016.01)
 (43) 15.10.2020
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 (72) SHUPE, Sarah J.; ROCK, Michael Joseph; WOLFSON, David Robert; FUSARI, Gianpaolo; TOMOS, Hawys Eleri; MATTHEWS, Robert Edward; NAYBOUR, John; HELDRETH, Mark
 (74) Spruson & Ferguson

(71) DIO Corporation
 (11) AU-A-2019351639
 (21) 2019351639 (22) 11.04.2019
 (54) Apparatus for treating surface of medical metal
 (51) Int. Cl.
A61L 2/10 (2006.01)
 (31) 10-2019-0036830 (32) 29.03.19 (33) KR
 (43) 15.10.2020
 (72) KIM, Jin Chul; KIM, Jin Baek
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Doten, L.
 (11) AU-A-2020239667
 (21) 2020239667 (22) 23.09.2020
 (54) Modular Polymer Gel Preparation System for Aircraft
 (51) Int. Cl.
A62C 2/00 (2006.01)
 (43) 15.10.2020
 (62) 2016220518
 (72) Doten, Leonard E.
 (74) Pipers Intellectual Property

(71) DSI Tunneling LLC
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 (54) Underground support system and method
 (51) Int. Cl.
E21D 11/20 (2006.01)
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(71) Ecolab USA Inc.
(11) AU-A-2020233778
(21) 2020233778 **(22)** 18.09.2020
(54) Mechanism of urea/solid acid interaction under storage conditions and storage stable solid compositions comprising urea and acid

(51) Int. Cl.
C11D 11/00 (2006.01)
C11D 1/04 (2006.01)
C11D 1/12 (2006.01)
C11D 1/34 (2006.01)
C11D 3/04 (2006.01)
C11D 3/20 (2006.01)
C11D 3/32 (2006.01)
C11D 3/34 (2006.01)
C11D 3/36 (2006.01)
C11D 3/37 (2006.01)
C11D 7/08 (2006.01)
C11D 7/26 (2006.01)
C11D 7/32 (2006.01)
C11D 9/30 (2006.01)
C11D 11/04 (2006.01)

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(74) Spruson & Ferguson

(71) Ecolab USA Inc.
(11) AU-A-2020239639
(21) 2020239639 **(22)** 22.09.2020
(54) Foam assisted liquid removal using alcohol ether sulfonates
(51) Int. Cl.
C11D 1/29 (2006.01)
C10G 21/22 (2006.01)
E21B 43/16 (2006.01)
(43) 15.10.2020
(62) 2016226361
(72) Huang, Fenfen; Nguyen, Duy T.
(74) Shelston IP Pty Ltd.

(71) Electrolux Appliances Aktiebolag
(11) AU-A-2020201474
(21) 2020201474 **(22)** 28.02.2020
(54) WASHING DRUM FOR A LAUNDRY WASHING MACHINE AND LAUNDRY WASHING MACHINE EQUIPPED WITH SUCH DRUM
(51) Int. Cl.
D06F 37/14 (2006.01)
(31) 19165272.6 **(32)** 26.03.19 **(33)** EP
(43) 15.10.2020
(72) RIGO, Marco; PEROSA, Vittorio; GUIOTTO, Luca; COLOMBERA, Giovanni; JOHANSSON, Thomas U.; PUTAGGIO, Andrea
(74) Halfords IP

(71) ESCO Group LLC
(11) AU-A-2020233769
(21) 2020233769 **(22)** 18.09.2020
(54) Monitoring ground-engaging products for earth working equipment
(51) Int. Cl.
E02F 3/00 (2006.01)
E02F 9/26 (2006.01)
G08B 25/00 (2006.01)
(43) 15.10.2020
(62) 2016219005
(72) Carpenter, Christopher M.; Zuendel, Karsten D.; Cowgill, Noah D.; Hoyt, Joshua K.; Saylor, David J.
(74) MINTER ELLISON

(71) Farmobile LLC
(11) AU-A-2020202103
(21) 2020202103 **(22)** 25.03.2020
(54) DISTRIBUTED TRANSACTION-BASED SECURITY AND TRACKING OF AGRICULTURAL MACHINE AND AGRONOMIC DATA
(51) Int. Cl.
G06F 16/182 (2019.01)
G06Q 50/02 (2012.01)
H04L 9/00 (2006.01)
(31) 16/365,272 **(32)** 26.03.19 **(33)** US
(43) 15.10.2020
(72) Tatge, Jason; Schibi, Chris; Mola, Daniel; Munro, Jason; Bowden, Aeron
(74) Phillips Ormonde Fitzpatrick

(71) Fisher & Paykel Healthcare Limited
(11) AU-A-2020233691
(21) 2020233691 **(22)** 16.09.2020
(54) BREATHING ASSISTANCE APPARATUS WITH SERVICEABILITY FEATURES
(51) Int. Cl.
A61M 16/16 (2006.01)
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G06K 7/01 (2006.01)
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C25B 1/02 (2006.01)
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A45C 5/00 (2006.01)
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A45C 5/00 (2006.01)
A45C 5/03 (2006.01)
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B65D 85/20 (2006.01)
B60P 1/64 (2006.01)
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F25B 30/06 (2006.01)
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A01K 85/00 (2006.01)
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B32B 17/06 (2006.01)
C09D 1/02 (2006.01)
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B01D 46/54 (2006.01)
B22F 5/10 (2006.01)
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 A41B 9/04 (2006.01)
 A61F 6/00 (2006.01)
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 C22C 11/00 (2006.01)
 C22C 11/08 (2006.01)
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 H01M 4/14 (2006.01)
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 (11) AU-A-2020239669

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 (51) Int. Cl.
C07D 401/06 (2006.01)
A61K 31/41 (2006.01)
A61K 31/4196 (2006.01)
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 (11) AU-A-2019201992
 (21) 2019201992 (22) 22.03.2019
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C01F 7/06 (2006.01)
B09C 1/08 (2006.01)
C01F 7/16 (2006.01)
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 (54) SYSTEMS AND METHODS FOR DETERMINING TRACK LOCATION AND/OR DIRECTION OF TRAVEL
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 (74) Madderns Pty Ltd
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 (74) HENRY HUGHES IP LTD
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 (11) AU-A-2020239663
 (21) 2020239663 (22) 22.09.2020
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C07D 413/12 (2006.01)
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C07J 9/00 (2006.01)
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) YIXING BOYUAN BAMBOO & WOOD INDUSTRIAL CO., LTD
 (11) AU-A-2019284025
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E04F 15/04 (2006.01)
B32B 3/06 (2006.01)
B32B 3/26 (2006.01)
B32B 21/08 (2006.01)
B32B 21/14 (2006.01)
B32B 27/18 (2006.01)
B32B 27/30 (2006.01)
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E04F 15/20 (2006.01)
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 (74) PATENTS AU PTY LTD
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- (71) Zhuji Hedong Crystal Co., Ltd.
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 (21) 2019202491 (22) 09.04.2019
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B28D 5/00 (2006.01)
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 (74) Zhuji Hedong Crystal Co., Ltd.
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 (51) Int. Cl.
A45C 1/06 (2006.01)
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- (71) Zymeworks Inc.
 (11) AU-A-2020239643
 (21) 2020239643 (22) 22.09.2020

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- (51) Int. Cl.
C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
C12N 5/10 (2006.01)
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C40B 40/08 (2006.01)
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Wickman, Grant Raymond; Dixit, Surjit
Bhimarao; Escobar-Cabrera, Eric; Sanches,
Mario
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2019202235	Mainey, R.B.	2020202189	Kaizen Engineering Pty Ltd
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2019202240	Lexmark International, Inc.	2020202222	BETA VISION PRODUCTS AUSTRALIA PTY LTD
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2019226146	CJ Cheiljedang Corporation	2020233766	Cytec Industries Inc.
2019232942	Aristocrat Technologies Australia Pty Limited	2020233767	Implantica Patent Ltd
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2020200505	The Boeing Company	2020239608	Janssen Biotech, Inc.
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2020200564	Lycopodium Minerals Pty Ltd	2020239611	Janssen Pharmaceuticals, Inc.
2020200818	The Boeing Company	2020239613	MCT Holdings Limited
2020201110	Iconic Fan Company Pty Ltd	2020239615	Aurigene Discovery Technologies Limited
2020201167	Objective Learning Materials Pty Ltd	2020239616	PRESIDENT AND FELLOWS OF HARVARD COLLEGE; THE GENERAL HOSPITAL CORPORATION; Children's Medical Center Corporation
2020201474	Electrolux Appliances Aktiebolag	2020239619	Health Corporation of Galilee Medical Center
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2020201582	The Boeing Company	2020239623	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
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2020201797	Caterpillar Global Mining HMS GmbH; Caterpillar Global Mining Equipment LLC	2020239633	Aristocrat Technologies Australia Pty Limited
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2020202072	Kimura Kohki Co., Ltd.	2020239653	Dali Systems Co. Ltd.
2020202074	ALSTOM Transport Technologies	2020239655	Ricoh Company, Ltd.
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2020239708	MannKind Corporation
2020239715	University of North Texas Health Science Center at Fort Worth
2020239716	JRSK, Inc.
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2020239721	Clear Technology Holdings, LLC
2020239722	Aerovironment, Inc.
2020239724	Depuy Ireland Unlimited Company, Inc.
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2020239733	C.R. Bard, Inc.
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2020239737	Thomas Dudley Limited
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<u>C07K 7 /-</u> 2020239738	<u>C25B 1 /-</u> 2020202212	<u>F04B 43 /-</u> 2020201899	<u>G06F 21 /-</u> 2019208267 2020239610	<u>H01J 49 /-</u> 2019280080	<u>H04W 36 /-</u> 2020239707
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<u>C11D 1 /-</u> 2020233778 2020239639	<u>E02D 29 /-</u> 2020202222	<u>F16M 11 /-</u> 2019202241	<u>G06Q 20 /-</u> 2020239627 2020239652	<u>H02H 3 /-</u> 2020239645	<u>H04W 88 /-</u> 2020239622
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<u>C11D 7 /-</u> 2020233778	<u>E02F 9 /-</u> 2020233769	<u>F25B 30 /-</u> 2020202072	<u>G06T 7 /-</u> 2019283835 2020239702	<u>H02J 3 /-</u> 2020239646 2020239685	<u>H05K 7 /-</u> 2020239687
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<u>C12N 15 /-</u> 2020239643 2020239681 2020239701 2020239730	<u>E04F 15 /-</u> 2019284025	<u>G01F 23 /-</u> 2020233782	<u>G07F 17 /-</u> 2019232942 2019236613 2020202255 2020233764 2020233779 2020239649	<u>H04B 1 /-</u> 2020239653	
<u>C12N 5 /-</u> 2020239616 2020239643 2020239736	<u>E04H 4 /-</u> 2020239698	<u>G01N 27 /-</u> 2019280080	<u>G07F 5 /-</u> 2020202120	<u>H04B 10 /-</u> 2020239653	
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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2019101747	Nanjing Yanchang Reaction Technology Research Institute Co. Ltd	2020102133	Kshirsagar, P.; Deepak, F.E.; Prakash, J.J.; Ritha, W.; Sammeta, N.; Kumar, R.R.; Sandeep, T.S.; Ramesh, G.; Daula, S.M.S.; Khan, G.A.; Reddy, M.M.; Kumar, K.M.; Gandhi, N.R.; Pandiammal, P.; kumar, G.R.; Khan, P.A.
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2020101942	V, B.; S, K.; T, M.; P, M.; R, K.; D, S, E.; K, T.; B, R.M.R.; S, S.; R, R.	2020102138	Northwest Institute of Plateau Biology, Chinese Academy of Sciences
2020102018	Shandong Crop Germplasm Resource Center; Institute of Crop Sciences, Chinese Academy of Agricultural Sciences	2020102139	NONDRILL PTY LTD
2020102049	Shangluo University	2020102141	Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences
2020102055	Unipharm Healthy Manufacturing Co. Limited	2020102142	Sharma, A.; Sarkar, A.; Mewada, S.; Choudhary, A.; Singh, Y.; Acharya, B.; Ganguli, S.; Karelia, N.; Pradhan, A.; Panda, B.; Cengiz, K.; Goar, V.K.
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2020102059	Yancheng Institute of Technology; East China Sea Fishery Research Institute, Chinese Academy of Fishery Sciences; University of Rostock	2020102147	Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences
2020102068	Misra, N.K.; Pathak, N.; Sahu, A.K.; Bhoi, B.K.; Kassa, S.R.; Tiwari, R.; Ahmadpour, S.; Pal, J.	2020102148	Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences
2020102075	Northwest Institute of Plateau Biology, Chinese Academy of Sciences	2020102149	DOCTORS' OWN BRAND PTY LIMITED
2020102076	Northwest Institute of Plateau Biology, Chinese Academy of Sciences	2020102150	Babu, G.V.; Kalisetty, H.K.; Fakhri, A.H.; Devaru, S.D.B.; Patil, S.S.; Neogi, B.; Chowdhuri, S.; Gulati, K.; Sharma, S.; Reddy, G.D.; Gohatre, U.B.; Sahu, P.; Jena, S.K.; Kshirsagar, P.R.; Yaseen, S.M.; Bhat, M.R.; Narwal, R.
2020102080	Sharma, M.; Balusamy, B.; Kumar, A.; Shankar, L.; Shekhar, J.; Sharma, R.; S, R.K.; N, G.; Muthiah, D.; Kallam, S.	2020102151	Nekkalapudi, N.
2020102081	Dalian Yulin Electric Motor Co.,Ltd.	2020102152	Lanzhou University
2020102085	China University of Petroleum (East China); Rong Sheng Machinery Manufacture Ltd. of Huabei Oilfield, Hebei, China; Yantai Jereh Petroleum Equipment & Technologies Co., Ltd, Shandong, China; CNOOC Safety Technology Services Company, Ltd., Tianjin, China	2020102153	Qilu University of Technology
2020102087	Institute of Plant Protection, Gansu Academy of Agricultural Sciences	2020102155	Shanghai Ocean University
2020102088	Binzhou University	2020102156	Twigden, C.
2020102096	Petera, W.J.	2020102157	China University of Geosciences, Beijing
2020102099	RAJ, M.G.; P, B.S.; J.K, P.; M, S.; K, T.; MANOCHA, A.K.; M, S.; R, K.; SINGH, G.; KAUR, A.	2020102158	Apple Inc.
2020102105	Sunmaster Blinds Co., Ltd.	2020102159	Institute of Animal Husbandry and Veterinary Science, Hubei Academy of Agricultural Sciences
2020102109	Northwest Institute of Plateau Biology, Chinese Academy of Sciences	2020102160	Institute of Animal Husbandry and Veterinary Science, Hubei Academy of Agricultural Sciences
2020102110	China University of Petroleum (East China)	2020102162	SHANGHAI VETERINARY RESEARCH INSTITUTE, CHINESE ACADEMY OF AGRICULTURAL SCIENCE CENTER SHANGHAI BRANCH)
2020102111	Nanjing Forestry University	2020102163	Yuan, X.
2020102114	Crop Research Institute, Shandong Academy of Agricultural Sciences	2020102165	Nanjing Forestry University
2020102116	Thomas, B.; Yang, J.; Gupta, R.C.; Kumar, S.	2020102166	Institute of Water Resources for Pastoral Area, Ministry of Water Resources
2020102117	Marine Composites IP Pty Ltd	2020102169	Sungrow Power Supply Co., Ltd.
2020102118	Shenzhen University	2020102170	Flower research institute of Guangxi academy of agricultural sciences
2020102120	arora, r.	2020102172	SICHUAN AGRICULTURAL UNIVERSITY
2020102121	Tianjin University of Technology	2020102174	Nanjing University
2020102122	China University of Petroleum (East China)	2020102175	Fox, B.; Fox, M.
2020102123	Tianjin Research Institute for Water Transport Engineering, M.O.T.	2020102177	National Marine Environmental Monitoring Center
2020102124	Anhui Hebang Textile Technology Co., Ltd.	2020102178	GITE, P.; M, M.; K, S.K.; U, S.; A, M.; T, S.; A, A.; M, S.P.
2020102125	Marxen, T.	2020102179	Shanxi Xinqiao Technology Co., Ltd.
2020102126	Northwest Institute of Plateau Biology, Chinese Academy of Sciences	2020102180	JISHOU UNIVERSITY
2020102127	Ningbo Municipal Center for Disease Control and Prevention	2020102182	Kunming University of Science and Technology
2020102128	Deshmukh, R.; Ballal, M.S.; Suryawanshi, H.M.; Wakode, S.A.; Verma, S.R.	2020102183	University of Science and Technology Beijing
2020102129	Madgi, M.; Shahabadkar, R.; Patil, N.B.; Harsoor, B.; Patil, A.; Patil, P.; Chunchure, B.; Balakrishna, R.; K. S., R.; D., S.M.	2020102184	Sichuan Agricultural University; Chengdu Aircraft Industrial (Group) Co. Ltd
		2020102185	HaiLun LiMin energy-saving boiler manufacturing Co.Ltd.
		2020102186	Xi'an Northwest Nonferrous Geophysical & Geochemical Exploration Co., Ltd

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2020102114	2020102178	2020102109	2020102059	2020102117	2020102110
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2020102170	2020102149	2020102056	2020101844	2020102058	2020102122
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2020102018	<u>F23G 7 /-</u>	<u>G05B 17 /-</u>	2020102123
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2020101589	<u>G01C 15 /-</u>	<u>G05B 23 /-</u>	2020102177
2020102141	2017101888	2020102085	2020102178
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		2020102130	

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

(71) 3M Innovative Properties Company
 (11) AU-A-2019247878
 (21) 2019247878 (22) 02.04.2019
 (54) Chaotic non-continuous structures useful for functional adhesive systems
 (51) Int. Cl.
 B32B 7/12 (2006.01)
 B32B 3/30 (2006.01)
 B32B 7/06 (2019.01)
 B32B 27/30 (2006.01)
 B32B 27/40 (2006.01)
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 (72) KALLMAN, Guy M.; HEMMER, Sara E.; ANDERSON, Owen M.
 (74) Davies Collison Cave Pty Ltd

(71) 4SC AG
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 (21) 2019250696 (22) 15.04.2019
 (54) Pharmaceutical combination products comprising a histone deacetylase (HDAC) inhibitor and a TLR7 agonist and/or TLR8 agonist for the treatment of cancer
 (51) Int. Cl.
 C07D 403/12 (2006.01)
 A61K 31/40 (2006.01)
 A61K 31/4025 (2006.01)
 A61K 31/404 (2006.01)
 A61K 31/4155 (2006.01)
 A61K 31/4439 (2006.01)
 A61K 31/5377 (2006.01)
 A61P 35/00 (2006.01)
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 C07D 231/12 (2006.01)
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 C07D 405/12 (2006.01)
 C07D 409/12 (2006.01)
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 (72) HAMM, Svetlana
 (74) Davies Collison Cave Pty Ltd

(71) Abraxis BioScience, LLC
 (11) AU-A-2019239953
 (21) 2019239953 (22) 19.03.2019
 (54) Methods of treating central nervous system disorders via administration of nanoparticles of an mtor inhibitor and an albumin
 (51) Int. Cl.
 A61K 31/495 (2006.01)
 A61K 9/14 (2006.01)
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A61K 31/407 (2006.01)
A61K 31/436 (2006.01)
A61K 39/395 (2006.01)
A61K 47/42 (2017.01)
A61K 47/64 (2017.01)
A61P 25/08 (2006.01)
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 (72) DESAI, Neil P.; HOU, Shihe
 (74) AJ PARK

(71) aCon A/S
 (11) AU-A-2019223645
 (21) 2019223645 (22) 22.02.2019
 (54) Method for allocating parcels and a system therefore
 (51) Int. Cl.
 G06Q 10/08 (2012.01)
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 (31) PA 2018 70119 (32) 23.02.18 (33) DK
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 (72) DEUTSCH, Miriam Bartholdy; KACZMAREK, Allan
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(71) Acumen Design Associates Ltd.
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 (21) 2018415899 (22) 07.12.2018
 (54) A passenger seating arrangement having access for disabled passengers
 (51) Int. Cl.
 B64D 11/06 (2006.01)
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 (31) 1805328.0 (32) 30.03.18 (33) GB
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 (72) NICHOLAS, Richard Peter John; DRYBURGH, Ian Hamilton; MCKEEVER, John David Henry
 (74) FB Rice Pty Ltd

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 (54) A passenger seating arrangement having a screen between seat units
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 B64D 11/00 (2006.01)
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(71) Adagene Inc.
 (11) AU-A-2019241345
 (21) 2019241345 (22) 29.03.2019
 (54) Anti-PD-L1 antibodies and use thereof
 (51) Int. Cl.
 C07K 16/28 (2006.01)
 A61K 39/395 (2006.01)
 A61P 35/00 (2006.01)
 G01N 33/577 (2006.01)
 G01N 33/68 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

(71) Adaptas Solutions Pty Ltd
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 (21) 2019239764 (22) 22.03.2019
 (54) Particle detector having improved performance and service life
 (51) Int. Cl.
 H01J 49/26 (2006.01)
 G01N 23/00 (2006.01)
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 (72) JUREK, Russell; HUNTER, Kevin
 (74) Churchill Attorneys

(71) Advanced New Technologies Co., Ltd.
 (11) AU-A-2019204722
 (21) 2019204722 (22) 28.03.2019
 (54) System and method for parallel-processing blockchain transactions
 (51) Int. Cl.
 G06F 9/46 (2006.01)
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 (72) Xie, Guilu; Xia, Ning
 (74) Cotters Patent & Trade Mark Attorneys

(71) Aerie Pharmaceuticals, Inc.
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 (21) 2019245390 (22) 29.03.2019
 (54) Mono-(acid) salts of 6-aminoisoquinolines and uses thereof
 (51) Int. Cl.
 A61K 31/47 (2006.01)
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 (72) DELONG, Mitchell A.; STURDIVANT, Jill M.; LICHOROWIC, Cynthia L.; LIN, Cheng-Wen
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- (71) Afilius Limited; Abley, J.
 (11) AU-A-2019230471
 (21) 2019230471 (22) 05.03.2019
 (54) Determining traceability of network traffic over a communications network
 (51) Int. Cl.
 H04L 29/06 (2006.01)
 H04L 12/26 (2006.01)
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 (54) Automatic pitch mounting compensation in an automatic steering system
 (51) Int. Cl.
 G01C 25/00 (2006.01)
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 (72) DUMBLE, Steven J.
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- (71) Agriculture Victoria Services Pty Ltd
 (11) AU-A-2019240760
 (21) 2019240760 (22) 27.03.2019
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 C12Q 1/68 (2018.01)
 A01K 67/02 (2006.01)
 G01N 33/92 (2006.01)
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 (43) 03.10.2019
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 (74) Jones Tulloch
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- (71) Agri Technovation (Pty) Ltd
 (11) AU-A-2019226618
 (21) 2019226618 (22) 28.02.2019
 (54) Produce harvesting apparatus and precision farming system
 (51) Int. Cl.
 A01D 1/00 (2006.01)
 A01D 46/24 (2006.01)
 A01G 3/00 (2006.01)
 G06Q 50/02 (2012.01)
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 (74) James & Wells Intellectual Property
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 (21) 2019240749 (22) 27.03.2019
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- (71) Airway Therapeutics, Inc.
 (11) AU-A-2019243707
 (21) 2019243707 (22) 27.03.2019
 (54) Methods and compositions comprising surfactant protein D (SP-D)
 (51) Int. Cl.
 C07K 14/785 (2006.01)
 C12N 5/09 (2010.01)
 C12N 15/85 (2006.01)
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- (71) Airway Therapeutics, Inc.
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 (21) 2019243714 (22) 27.03.2019
 (54) Systems and methods for characterizing surfactant protein D (SP-D) oligomers
 (51) Int. Cl.
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- (71) Alarm.com Incorporated
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 (21) 2019245451 (22) 01.04.2019
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 (51) Int. Cl.
 G06Q 10/08 (2012.01)
 G06Q 10/06 (2012.01)
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 A61B 90/20 (2016.01)
 A61F 9/007 (2006.01)
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 G16H 20/40 (2018.01)
 G16H 30/40 (2018.01)
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C22B 3/04 (2006.01)
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C22B 3/44 (2006.01)
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B29C 43/22 (2006.01)
B29C 43/34 (2006.01)
B29C 43/46 (2006.01)
B29C 59/04 (2006.01)
B44B 5/02 (2006.01)
B44C 1/24 (2006.01)
C09D 133/12 (2006.01)
B29C 35/08 (2006.01)
B29C 35/10 (2006.01)
B29C 43/00 (2006.01)
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A01N 43/00 (2006.01)
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A61G 7/015 (2006.01)
A47C 20/04 (2006.01)
A47C 21/04 (2006.01)
A61G 7/00 (2006.01)
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C07D 405/14 (2006.01)
A61K 31/44 (2006.01)
A61P 35/00 (2006.01)
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B29C 64/118 (2017.01)
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A01P 7/02 (2006.01)
C08F 12/08 (2006.01)
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A61K 31/435 (2006.01)
A61K 31/44 (2006.01)
C07C 211/35 (2006.01)
C07C 229/28 (2006.01)
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A44C 5/00 (2006.01)
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C08K 3/04 (2006.01)
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A46B 11/00 (2006.01)
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A61Q 5/06 (2006.01)
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C12M 1/26 (2006.01)
G01N 30/02 (2006.01)
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F04B 1/04 (2006.01)
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F28D 1/047 (2006.01)
F28F 1/36 (2006.01)
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G06F 21/57 (2013.01)
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H04W 12/06 (2009.01)
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F24F 11/86 (2018.01)
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F24F 1/0047 (2019.01)
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F24F 13/20 (2006.01)
F24F 1/0047 (2019.01)
F24F 13/10 (2006.01)
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F24F 13/20 (2006.01)
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F24F 13/20 (2006.01)
F24F 1/0007 (2019.01)
F24F 1/0047 (2019.01)
F24F 1/0063 (2019.01)
F24F 13/06 (2006.01)
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D07B 1/02 (2006.01)
B29C 70/20 (2006.01)
F16G 11/04 (2006.01)
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E02B 3/06 (2006.01)
E02D 5/03 (2006.01)
E02D 5/74 (2006.01)
E02D 29/02 (2006.01)
F16B 5/00 (2006.01)
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A61B 5/00 (2006.01)
A61B 5/026 (2006.01)
A61B 5/1455 (2006.01)
A61M 1/16 (2006.01)
A61M 1/36 (2006.01)
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F26B 9/00 (2006.01)
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C12N 15/90 (2006.01)
G16Z 99/00 (2019.01)
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C07H 21/04 (2006.01)
C12N 9/16 (2006.01)
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C12N 15/11 (2006.01)
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A61Q 19/00 (2006.01)
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C07K 16/28 (2006.01)
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B04B 1/12 (2006.01)
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B04B 11/02 (2006.01)
B04C 3/00 (2006.01)
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C12N 15/11 (2006.01)
C12Q 1/6869 (2018.01)
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B65B 43/14 (2006.01)
B65B 65/02 (2006.01)
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B65B 65/00 (2006.01)

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B65B 61/28 (2006.01)
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(51) Int. Cl.

B65D 5/22 (2006.01)
B65D 5/02 (2006.01)
B65D 5/24 (2006.01)
B65D 5/42 (2006.01)
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C07K 14/235 (2006.01)
B01D 15/38 (2006.01)
C07K 1/16 (2006.01)
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A01D 17/10 (2006.01)
B65G 15/52 (2006.01)
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F16B 23/00 (2006.01)
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A61B 17/70 (2006.01)
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B29C 33/48 (2006.01)
B29C 45/44 (2006.01)
B29L 31/56 (2006.01)
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H04L 29/06 (2006.01)
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H04W 72/12 (2009.01)
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H04W 74/08 (2009.01)
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H04W 24/00 (2009.01)
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G06K 9/00 (2006.01)
G06K 9/62 (2006.01)
G06N 3/04 (2006.01)
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H04W 36/14 (2009.01)
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H04W 36/00 (2009.01)
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H04W 72/02 (2009.01)
H04W 36/36 (2009.01)
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H04W 74/08 (2009.01)
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H04W 48/08 (2009.01)
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G10D 3/18 (2006.01)
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 (54) A wellbore tool including a petro-physical identification device and method for use thereof
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E21B 49/08 (2006.01)
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 (51) Int. Cl.
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A61P 31/00 (2006.01)
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C07C 323/41 (2006.01)
C07D 207/40 (2006.01)
C07D 211/88 (2006.01)
C07H 15/04 (2006.01)
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A01H 5/00 (2018.01)
C07K 14/11 (2006.01)
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A61P 35/00 (2006.01)
C07D 239/36 (2006.01)
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A23L 33/105 (2016.01)
A23L 2/52 (2006.01)
A61K 36/67 (2006.01)
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H03F 1/56 (2006.01)
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H04W 4/02 (2018.01)
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C09D 183/04 (2006.01)
B05D 5/00 (2006.01)
B05D 7/24 (2006.01)
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C09D 201/00 (2006.01)
B05D 1/36 (2006.01)
B05D 5/00 (2006.01)
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C09D 5/00 (2006.01)
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F16J 15/08 (2006.01)
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A61J 3/00 (2006.01)
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H04W 12/00 (2009.01)

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C08K 3/012 (2018.01)
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 RIEN, Eric
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 B01J 35/00 (2006.01)
 B01J 29/70 (2006.01)
 B01J 31/16 (2006.01)
 B01J 35/02 (2006.01)
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 A61K 31/201 (2006.01)
 A61K 31/231 (2006.01)
 A61P 25/02 (2006.01)
 A61P 25/28 (2006.01)

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A61B 5/11 (2006.01)
A61B 5/00 (2006.01)
A61B 5/103 (2006.01)
A63K 3/00 (2006.01)
G09B 19/00 (2006.01)
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G05B 19/418 (2006.01)
G06F 16/958 (2019.01)
G06Q 10/08 (2012.01)
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A61G 5/02 (2006.01)
A61G 5/04 (2013.01)
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B05B 17/00 (2006.01)
A61M 11/00 (2006.01)
B05C 5/00 (2006.01)
B05C 17/005 (2006.01)
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B01J 27/053 (2006.01)
B01J 31/02 (2006.01)
C07C 407/00 (2006.01)
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A01H 1/02 (2006.01)
A01H 5/10 (2018.01)
C12Q 1/6895 (2018.01)
C12N 15/29 (2006.01)
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G06F 3/14 (2006.01)
G06F 1/16 (2006.01)
G06F 3/041 (2006.01)
G06F 3/044 (2006.01)
G06F 3/0481 (2013.01)
G06F 3/0484 (2013.01)
G06T 3/40 (2006.01)
H04N 21/4402 (2011.01)
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C08F 220/56 (2006.01)
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E21D 11/10 (2006.01)
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C07H 21/04 (2006.01)
C12N 5/00 (2006.01)
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C12N 15/00 (2006.01)
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C12P 21/06 (2006.01)
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C07K 14/62 (2006.01)
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G08G 1/01 (2006.01)
F21S 8/08 (2006.01)
G01S 13/91 (2006.01)
G06K 9/00 (2006.01)
G08G 1/00 (2006.01)
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C12Q 1/18 (2006.01)
G01N 21/01 (2006.01)
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G05D 1/02 (2020.01)
B60W 30/14 (2006.01)
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G05D 1/10 (2006.01)
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C10M 169/00 (2006.01)
C10M 169/06 (2006.01)
C10N 10/04 (2006.01)
C10N 40/34 (2006.01)
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A47B 81/00 (2006.01)
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B30B 12/00 (2006.01)
E21B 19/16 (2006.01)
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E01H 1/10 (2006.01)
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C07D 311/80 (2006.01)
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A61K 31/352 (2006.01)
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C12Q 1/6834 (2018.01)
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G01B 7/28 (2006.01)
G06K 9/36 (2006.01)
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A61K 36/9066 (2006.01)
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B65D 5/20 (2006.01)
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A61K 48/00 (2006.01)
C12N 7/00 (2006.01)
C12N 15/864 (2006.01)
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C07K 14/005 (2006.01)
C12N 15/86 (2006.01)
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A61B 8/04 (2006.01)
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A61G 7/057 (2006.01)
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G06T 7/00 (2017.01)
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A61L 15/44 (2006.01)
A61P 17/02 (2006.01)
C07C 13/32 (2006.01)
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(11) AU-A-2019241209
(21) 2019241209 (22) 26.03.2019
(54) Central nerve magnetic stimulation device and healthcare or medical instrument having same
- (51) Int. Cl.
A61N 2/04 (2006.01)
- (87) WO2019/184904
(31) 201810253246.8 (32) 26.03.18 (33) CN
(43) 03.10.2019
(72) ZHENG, Yunfeng; GENG, Kui
(74) Madderns Pty Ltd
-
- (71) Zodiac Pool Care Europe
(11) AU-A-2019262990
(21) 2019262990 (22) 30.04.2019
(54) Swimming pool cleaner with illuminated debris filter
- (51) Int. Cl.
E04H 4/16 (2006.01)
- (87) WO2019/213002
(31) 62/666,835 (32) 04.05.18 (33) US
(43) 07.11.2019
(72) DUFFAUT, Simon; MCQUEEN, Eugene Keith; SVENNINGSSEN, Skye
(74) FB Rice Pty Ltd
-
- (71) Zoltek Corporation
(11) AU-A-2019242896
(21) 2019242896 (22) 28.03.2019
(54) Electrically conductive sizing for carbon fibers
- (51) Int. Cl.
C03C 25/44 (2006.01)
C08K 3/04 (2006.01)
D01F 9/22 (2006.01)
- (87) WO2019/191411
(31) 62/649,035 (32) 28.03.18 (33) US
(43) 03.10.2019
(72) BALDINI, Steven Eric; CORBIN, David Michael
(74) Houlihan² Pty Ltd
-
- (71) Zoltek Corporation
(11) AU-A-2019242899
(21) 2019242899 (22) 28.03.2019
(54) Electrically conductive adhesive
- (51) Int. Cl.
C09J 9/02 (2006.01)
F03D 1/06 (2006.01)
- (87) WO2019/191414
(31) 62/649,054 (32) 28.03.18 (33) US
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- (43) 03.10.2019
(72) BALDINI, Steven Eric; CORBIN, David Michael
(74) Houlihan² Pty Ltd
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- (71) Zonit Structured Solutions, LLC
(11) AU-A-2019236482
(21) 2019236482 (22) 12.03.2019
(54) Management module, Z-strip, and mini-ATS systems and related components
- (51) Int. Cl.
H05K 7/14 (2006.01)
H02B 1/04 (2006.01)
- (87) WO2019/178158
(31) 62/641,943 (32) 12.03.18 (33) US
62/641,929 12.03.18 US
(43) 19.09.2019
(72) PACHOUD, William; CHAPEL, Steve
(74) FPA Patent Attorneys Pty Ltd
-
- (71) ZTE Corporation
(11) AU-A-2019247019
(21) 2019247019 (22) 03.04.2019
(54) Transmission method and device, computer readable storage medium
- (51) Int. Cl.
H04W 74/00 (2009.01)
- (87) WO2019/192541
(31) 201810300467.6 (32) 04.04.18 (33) CN
(43) 10.10.2019
(72) LIU, Kun; DAL, Bo; FANG, Huiying; YANG, Weiwei
(74) Spruson & Ferguson

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2018249619	FloDesign Sonics, Inc.; Brower, M.	2019223410	Gabtech (Pty) Ltd
2018261949	FloDesign Sonics, Inc.	2019223419	Bender, C.
2018284857	FloDesign Sonics, Inc.	2019223608	Samsung Electronics Co., Ltd.
2018373022	Waymo LLC	2019223645	aCon A/S
2018378096	Beijing Geekplus Technology Co., Ltd.	2019223895	Monsoon Beverages LLC
2018409883	LHM Innovations Pty Ltd	2019224002	Aqseptence Group Inc.
2018409987	Beijing Tusen Weilai Technology Co., Ltd.	2019224363	Sakata Seed Corporation
2018410434	Beijing Tusen Weilai Technology Co., Ltd.	2019224659	Bicycletx Limited
2018410435	Beijing Tusen Weilai Technology Co., Ltd.	2019225251	AnTolRx, Inc.
2018410908	Axon Enterprise, Inc.	2019225392	Wyeth Media Services Pty Ltd
2018412057	Marrone S.r.l.	2019225533	JURA Elektroapparate AG
2018412119	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019225685	AOC, LLC
2018412414	Huawei Technologies Co., Ltd.	2019225747	Eli Lilly and Company
2018412629	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019225938	The Board of Trustees of the Leland Stanford Junior University
2018412807	JVCKENWOOD Corporation	2019225952	RideQ AB
2018412968	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019225972	Sanofi-Aventis Deutschland GmbH
2018413527	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019226034	The United States of America, as represented by The Secretary, Department of Health and Human Services
2018413678	Shenzhen Hive Box Technology Co., Ltd	2019226049	Termotera Ltd.
2018414456	Universität Stuttgart	2019226146	CJ Cheiljedang Corporation
2018414498	Kimberly-Clark Worldwide, Inc.	2019226491	Grip Holdings LLC
2018414599	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019226526	Generation Bio Co.; University of Massachusetts
2018414649	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019226550	Teague, P.; Spannuth, M.; Stewart, A.; Tutt, T.
2018414910	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019226551	Regeneron Pharmaceuticals, Inc.
2018415283	Essity Hygiene and Health Aktiebolag	2019226563	Intertrust Technologies Corporation
2018415294	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019226586	Elicio Therapeutics, Inc.
2018415389	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019226595	LensAR, Inc.
2018415587	Chang, C.	2019226604	C-KOE Metals, L.P.; Board of Regents, The University of Texas System
2018415821	Vanessa Research, Inc.	2019226618	Agri Technovation (Pty) Ltd
2018415899	Acumen Design Associates Ltd.	2019226626	Billi Australia Pty Ltd
2018415900	Acumen Design Associates Ltd.	2019226627	Paradigm BioPharmaceuticals Ltd
2018416009	Patients Pending Ltd.	2019226704	Broseley Limited
2018416067	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2019226708	Broseley Limited
2018416582	Brother Kogyo Kabushiki Kaisha	2019227080	Axis Energy Group Pty Ltd
2018416590	Fuji Oil Holdings Inc.	2019227094	Aurum Integra Inc.
2018416635	GC Corporation	2019227391	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Advenchen Laboratories Nanjing Ltd.
2018416756	Chongqing Jinmaibo Biotec Co., Ltd	2019227531	Regeneron Pharmaceuticals, Inc.
2018416757	Chongqing Jinmaibo Biotec Co., Ltd	2019227607	Incyte Corporation
2018416917	South China Agricultural University	2019227780	Umitron Pte. Ltd.
2018417229	Vinsan Therapeutics Inc.	2019227817	Jayol, B.
2018417367	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019227846	Martins, A.; Da Costa, I.; Avila, M.
2018417537	Huawei Technologies Co., Ltd.	2019227859	CMR Surgical Limited
2018418946	O&M Halyard Inc.	2019227988	Elicio Therapeutics, Inc.
2018421189	Huawei Technologies Co., Ltd.	2019228239	CorQuest MedTech
2018428043	Halliburton Energy Services, Inc.	2019228344	Martinez Orts, C.
2018428866	Halliburton Energy Services, Inc.	2019228390	redT energy (Ireland) Limited
2018429375	Halliburton Energy Services, Inc.	2019228505	Georgia Tech Research Corporation
2018430473	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	2019228521	Volta Labs, Inc.
2018431601	Hewlett-Packard Development Company, L.P.	2019228526	NxStage Medical, Inc.
2018431743	Hewlett-Packard Development Company, L.P.	2019228551	University of Washington
2018431744	Hewlett-Packard Development Company, L.P.	2019229188	Dart NeuroScience, LLC
2018433803	Yangtze Memory Technologies Co., Ltd.	2019229194	Sundnes, J.
2018433808	Halliburton Energy Services, Inc.	2019229552	Welltec Oilfield Solutions AG
2018435946	Halliburton Energy Services, Inc.	2019229606	Cancer Research Technology Limited
2019204710	Alibaba Group Holding Limited	2019229663	Ultrahuman Eight Limited
2019204722	Advanced New Technologies Co., Ltd.	2019229721	MaaT Pharma
2019204723	Alibaba Group Holding Limited	2019229730	Cambridge Enterprise Limited
2019204724	Alibaba Group Holding Limited	2019229759	The Francis Crick Institute Limited
2019204725	Alibaba Group Holding Limited	2019229773	Sunamp Limited
2019221709	Universidad de Zaragoza; Biofabri S.L.	2019229890	RAI Strategic Holdings, Inc.
2019222634	Power Hero Corp.	2019229978	Arcus Biosciences, Inc.
2019223016	Image Clone, LLC	2019230124	Socati Technologies-Oregon, LLC.
2019223385	IMC Corporate Licensing B.V.	2019230126	P2 Science, Inc.
		2019230219	Somalagic, Inc.
		2019230442	Workplace Maintenance Solutions Pty Ltd

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2019230448	Verdict Holdings Pty Ltd	2019237002	Lanxess Deutschland GmbH
2019230455	Clickstair Pty Ltd	2019237181	Element Six (UK) Limited; De Beers Group Services Proprietary Limited
2019230459	Pittendigh, C.	2019237186	Element Six (UK) Limited
2019230471	Afilias Limited; Abley, J.	2019237257	ISR Immune System Regulation Holding AB (publ)
2019230627	Maschinenfabrik Reinhausen GmbH	2019237364	Gruppo Scienza Machinale S.r.l.; Techlamed S.r.l.
2019230981	Maschinenfabrik Reinhausen GmbH	2019237516	Neustar, Inc.
2019231200	Tigercat Industries Inc.	2019237526	Turncare, Inc.
2019231257	Avedro, Inc.	2019237543	Vista Outdoor Operations LLC
2019231317	Amgen Inc.	2019237571	Terumo Kabushiki Kaisha
2019231321	The Regents of the University of California	2019237636	Tokuyama Corporation
2019231422	The University of Tokyo	2019237658	Suntory Holdings Limited
2019231515	Fisher & Paykel Healthcare Limited	2019237720	Korea Research Institute of Chemical Technology; Korea Advanced Institute of Science and Technology
2019231578	Goble, E.	2019237860	Biosigns Pte Ltd.
2019231690	Coulter Ventures LLC	2019237980	Rosemount Inc
2019231701	Southern Oregon University	2019237991	Liao, X.
2019231712	The University of North Carolina at Chapel Hill	2019238181	CiDRA Corporate Services LLC
2019231997	The Board of Trustees of the Leland Stanford Junior University; Garcia, K.; Sockolosky, J.; Picton, L.	2019238316	Neutron Holdings, Inc., DBA Lime
2019232022	Rite-Hite Holding Corporation	2019238323	Memorial Sloan Kettering Cancer Center
2019232055	LG Electronics Inc.	2019238326	Yumanity Therapeutics, Inc.
2019232370	The Francis Crick Institute Limited	2019238331	DSG Technology Holdings Ltd.
2019232372	CooperVision International Holding Company, LP; The University of Melbourne	2019238342	Avent, Inc.
2019232395	AM-Pharma B.V.	2019238344	NeoChord, Inc.
2019232478	Medivir Aktiebolag	2019238345	The General Hospital Corporation; Epivax, Inc.; Innatoss Laboratories B.V.
2019232610	AstraZeneca AB	2019238375	Gambro Lundia AB
2019232661	Pi Therapeutics Ltd.	2019238388	F. Hoffmann-La Roche AG
2019233511	Ultrahuman Six Limited	2019238566	Anything OK Pty Ltd
2019233663	BASF SE	2019238635	China UnionPay Co., Ltd.
2019233731	Schreder S.A.	2019238801	Caterpillar Global Mining Europe GmbH
2019233738	Univercells Technologies S.A.	2019238802	Eaton Intelligent Power Limited
2019233753	LEDGER, SAS	2019239194	Eli Lilly and Company
2019233757	Tokai Carbon Savoie; MetSol AG	2019239273	Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.
2019233810	Centauri Therapeutics Limited	2019239454	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019233842	Mondal, A.	2019239530	Stackpack B.V.
2019233860	Medicago Inc.; National University Corporation Nara Institute of Science and Technology; Mitsubishi Tanabe Pharma Corporation	2019239531	Tilak Healthcare
2019233918	Twinstrand Biosciences, Inc.	2019239737	HMJ Medical LLC
2019233936	Thijs, R.	2019239764	Adaptas Solutions Pty Ltd
2019233937	BAE Systems plc	2019239765	Borody, T.
2019234279	Caterpillar Inc.	2019239787	CleanTech Geomechanics Inc.
2019234354	Caterpillar Inc.	2019239797	Exerkine Corporation
2019234447	Pipeline Medical Technologies, Inc.	2019239875	Dynamic Material Systems LLC
2019234536	Atossa Therapeutics, Inc.	2019239890	Koranex Capital
2019234541	Escalier Biosciences B.V.	2019239949	Cage Bio Inc.
2019234654	Board of Regents, The University of Texas System	2019239953	Abraxis BioScience, LLC
2019234793	Kyushu University, National University Corporation	2019239983	Lummus Technology Inc.
2019234804	ENEOS Corporation	2019240026	Randox Laboratories Limited; Belfast Health and Social Care Trust
2019234916	Beth Israel Deaconess Medical Center	2019240085	Sasol Performance Chemicals GmbH
2019234930	Pitco Frialator, Inc.	2019240125	Netflix, Inc.
2019235120	Nuovo Pignone Tecnologie - S.r.l.	2019240153	Baker Hughes Holdings LLC
2019235121	Nuovo Pignone Tecnologie - S.r.l.	2019240193	Yahav, U.
2019235407	Universite de Versailles Saint-Quentin-en-Yvelines; Universite de Paris; INSERM (Institut National de la Santé et de la Recherche Médicale); Institut Curie	2019240234	Sangamo Therapeutics, Inc.; The Chancellor, Masters and Scholars of the University of Cambridge; Minczuk, M.; Gamme, P.
2019235452	Future Fibres, LLC	2019240247	Dana-Farber Cancer Institute, Inc.
2019235488	Urodelia	2019240274	Metis Precision Medicine Sb S.R.L.
2019235502	IDEMIA France	2019240293	Vanessa Research, Inc.
2019235524	Enginuity Inc.	2019240299	Relay Therapeutics, Inc.; D.E. Shaw Research, LLC
2019235586	RAI Strategic Holdings, Inc.	2019240309	Cargill, Incorporated
2019235611	Oventus Medical Limited	2019240359	Sealantium Medical Ltd
2019235631	ToeFx Inc.	2019240368	Yeda Research and Development Co. Ltd
2019236116	Dow Global Technologies LLC	2019240749	AirboardX Pty Ltd
2019236313	Odss Holdings, LLC	2019240760	Agriculture Victoria Services Pty Ltd
2019236408	Consejo Superior de Investigaciones Cientificas; Institució Catalana De Recerca I Estudis Avançats (ICREA)	2019240829	Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.
2019236482	Zonit Structured Solutions, LLC	2019240858	BASF Coatings GmbH
2019236578	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	2019240878	Croda International PLC
2019236793	Fujitsu General Limited	2019240885	S.P.C.M. SA
2019236822	Gmax Biopharm LLC	2019240981	Huawei Technologies Co., Ltd.
2019236882	Beijing Tide Pharmaceutical Co., Ltd.	2019241002	China UnionPay Co., Ltd.

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2019241209	Zheng, Y.; Beijing Aldans Biotech Co., Ltd	2019245242	Transluminal Systems, LLC
2019241278	Vivo Mobile Communication Co., Ltd.	2019245317	ISP Investments LLC
2019241288	Nanjing Chervon Industry Co., Ltd.	2019245336	Nevro Corp.
2019241345	Adagene Inc.	2019245390	Aerie Pharmaceuticals, Inc.
2019241398	European Trailer Systems GmbH	2019245402	The United States of America, as represented by The Secretary, Department of Health and Human Services
2019241452	Explo Engineering AG; MARTIN GmbH für Umwelt- und Energietechnik; Rüegg, H.; Hitachi Zosen Inova AG	2019245418	Texas Tech University System
2019241460	Nicoventures Trading Limited	2019245429	Northwestern University
2019241877	Radical Plastics Inc.	2019245436	Mati Therapeutics Inc.
2019241923	Volin, D.	2019245451	Alarm.com Incorporated
2019241936	Gates Corporation	2019245494	Comfort Systems (2007) Ltd
2019242017	Boston Scientific Neuromodulation Corporation	2019245623	HBM2 Ltd
2019242164	Nitto Denko Corporation	2019245729	Expro North Sea Limited
2019242166	Nitto Denko Corporation	2019245782	Gustav Pirazzi & Comp. GmbH & Co. KG
2019242425	Toray Industries, Inc.	2019245828	BASF SE
2019242465	Fujitsu General Limited	2019245933	CDE Global Limited
2019242466	Fujitsu General Limited	2019245978	Daikin Industries, Ltd.
2019242467	Fujitsu General Limited	2019246226	Brain Corp SA
2019242468	Fujitsu General Limited	2019246239	GM Innovations Limited
2019242518	Kyowa Kirin Co., Ltd.	2019246274	Yazaki Energy System Corporation
2019242550	Linkdyn Robotics Inc.	2019246289	Daikin Industries, Ltd.
2019242557	Enterin, Inc.	2019246328	Sanofi
2019242574	UV Partners, Inc.	2019246406	Reichart, B.
2019242630	Research Triangle Institute	2019246969	ChemoCentryx, Inc.
2019242733	Naturs Design, Inc.	2019246982	FortiFD, Inc.
2019242746	ELC Management LLC	2019247019	ZTE Corporation
2019242872	Safe Foods Corporation	2019247191	StrideBio, Inc.
2019242896	Zoltek Corporation	2019247199	Juno Therapeutics, Inc.; Editas Medicine, Inc.
2019242899	Zoltek Corporation	2019247200	Juno Therapeutics, Inc.; Editas Medicine, Inc.
2019242906	Nevro Corp.	2019247229	Novartis AG
2019242986	Green Cross Corporation	2019247230	Gojo Industries, Inc.
2019243005	LG Electronics Inc.	2019247375	Alivio Therapeutics, Inc.
2019243026	International Flora Technologies, Ltd.	2019247400	Symbol Technologies, LLC
2019243048	PTC Therapeutics, Inc.	2019247533	Black Belt TX Ltd
2019243131	Lee, H.	2019247645	F. Hoffmann-La Roche AG; Centre Leon Berard; Universite Claude Bernard Lyon I; Centre National de la Recherche Scientifique; INSERM - Institut National de la Santé et de la Recherche Médicale
2019243141	Board of Regents, The University of Texas System	2019247652	Progenity, Inc.
2019243142	Selux Diagnostics, Inc.	2019247708	Givaudan SA
2019243155	Factor Bioscience Inc.	2019247745	University of Maryland, Baltimore
2019243177	The Research Foundation for the State University of New York	2019247746	StrideBio, Inc.
2019243183	Tensar International Corporation	2019247762	Retrotope, Inc.
2019243186	Biotheryx, Inc.	2019247766	Blueprint Medicines Corporation
2019243317	Blaze Bioscience, Inc.	2019247798	Subsea 7 Limited
2019243318	Kuhner-Stout, E.; Stout, M.	2019247819	Nine IP Limited
2019243332	Mitsui Chemicals, Inc.	2019247838	Case Western Reserve University
2019243420	Cloud DX, Inc., a Corporation of Delaware	2019247871	Frequency Therapeutics, Inc.
2019243423	Phospholutions LLC	2019247878	3M Innovative Properties Company
2019243443	Icahn School of Medicine at Mount Sinai	2019247936	Sun Pharmaceutical Industries Limited
2019243571	Lumosa Therapeutics Co., Ltd.; Shanghai Lumosa Therapeutics Co., Ltd.	2019248020	Royal Melbourne Institute of Technology
2019243578	Board of Regents, The University of Texas System	2019248314	Huawei Technologies Co., Ltd.
2019243586	Ovid Therapeutics Inc.	2019248427	Two Heads, LLC
2019243661	SMG Sportplatzmaschinenbau GmbH	2019248516	Sigilon Therapeutics, Inc.
2019243667	Equinor Energy AS	2019248537	Humanscale Corporation
2019243707	Airway Therapeutics, Inc.	2019248545	Merck Sharp & Dohme Corp.
2019243714	Airway Therapeutics, Inc.	2019248573	Nouryon Chemicals International B.V.; Construction Research & Technology GmbH
2019243943	PTC Therapeutics, Inc.	2019248758	Carpuz SAS
2019243976	Raytheon Company	2019248861	Guala Closures S.p.A.
2019243987	BP Corporation North America Inc.	2019249034	AgJunction LLC
2019244105	Tautona Group IP Holding Company, L.L.C.	2019249131	GANGITANO, K.
2019244116	Netflix, Inc.	2019249173	Qualcomm Incorporated
2019244170	Victaulic Company	2019249209	Juno Therapeutics, Inc.
2019244338	Institut Mines-Telecom	2019249231	Arvinas Operations, Inc.; Yale University
2019244343	The Secretary of State for Foreign and Commonwealth Affairs	2019249273	Regeneron Pharmaceuticals, Inc.
2019244363	CMR Surgical Limited	2019249282	Redbud Labs, Inc.
2019244402	Puraffinity Ltd	2019249306	Beady System ApS
2019244412	Hodges & Drake Design Ltd	2019249372	Evergreen Land Limited
2019244435	Emergex Vaccines Holding Limited	2019249384	Graphic Packaging International, LLC
2019244594	GeneTether, Inc	2019249386	Graphic Packaging International, LLC
2019244788	PRC-DeSoto International, Inc.	2019249402	Graphic Packaging International, LLC
2019244870	The South African Nuclear Energy Corporation SOC Limited		

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2019249422	Grail, Inc.	2019258599	I Pipe IP Pty Ltd
2019249818	Trustees of Tufts College; Massachusetts Institute of Technology	2019258678	Ethris GmbH
2019249846	Dropworks, Inc.	2019258679	ethris GmbH
2019249847	Qualcomm Incorporated	2019258956	QIAGEN GmbH
2019249859	Syddansk Universitet; Region Syddanmark	2019259066	Huawei Technologies Co., Ltd.
2019250440	DSM IP Assets B.V.; Biomar Group A/S	2019259768	Hospira, Inc.
2019250504	Qurient Co., Ltd.; Lead Discovery Center GmbH	2019259880	Chr. Hansen A/S
2019250512	Grimme Landmaschinenfabrik GmbH & Co KG	2019260014	DSM IP Assets B.V.
2019250645	Fisher & Paykel Healthcare Limited	2019260016	Bayer Aktiengesellschaft
2019250653	Cellresearch Corporation Pte. Ltd.	2019260291	Devico AS
2019250696	4SC AG	2019260339	Smart Installations AS
2019250777	Scentsticks Limited	2019260566	Boston Scientific Neuromodulation Corporation
2019250876	East China Sea Fishery Research Institute	2019260589	Wing Aviation LLC
2019251090	Drzala, M.; Reiter, M.	2019260738	Arrowhead Pharmaceuticals, Inc.
2019251103	Butterfly Network, Inc.	2019261254	Fred Hutchinson Cancer Research Center
2019251181	Subsea 7 Limited	2019261271	MED-EL Elektromedizinische Geraete GmbH
2019251196	Butterfly Network, Inc.	2019261585	Evoqua Water Technologies LLC
2019251221	Qualcomm Incorporated	2019261608	Laboratory Corporation of America Holdings
2019251293	Flowserve Management Company	2019261875	Citrix Systems, Inc.
2019251352	Qualcomm Incorporated	2019261982	Amicus Therapeutics, Inc.
2019251483	Cellectar Biosciences, Inc.	2019262182	Citrix Systems, Inc.
2019251515	Rux Energy Pty Ltd	2019262187	Citrix Systems, Inc.
2019251683	Bauer Spezialtiefbau GmbH	2019262337	Wahlsten, T.
2019251767	The University of Melbourne	2019262377	Philip Morris Products S.A.
2019251769	Clarity Pharmaceuticals Limited	2019262611	Citrix Systems, Inc.
2019251774	Davies, I.; Maguire, L.	2019262972	Incept, LLC
2019251993	Vanderbilt University	2019262990	Zodiac Pool Care Europe
2019251998	Qualcomm Incorporated	2019264045	DePuy Synthes Products, Inc.
2019252161	S&P Clever Reinforcement Company AG	2019264349	Biotage AB; Hoang, L.; Suh, C.; Gjerde, D.
2019252223	Qualcomm Incorporated	2019265288	Fisher & Paykel Healthcare Limited
2019252254	Cellectar Biosciences, Inc.	2019265393	Boston Scientific Neuromodulation Corporation
2019252409	QuVa Pharma, Inc.	2019265606	Aziende Chimiche Riunite Angelini Francesco - A.C.R.A.F. S.p.A.
2019252418	Qualcomm Incorporated	2019265655	Ancestry.com Operations Inc.
2019252450	Giesecke+Devrient Mobile Security GmbH	2019266092	Boston Scientific Neuromodulation Corporation
2019252587	BASF SE	2019266259	Fang, H.
2019252790	Jazz Pharmaceuticals, Inc.	2019266400	Morse Micro Pty Ltd
2019252793	Sumitomo Dainippon Pharma Oncology, Inc.	2019266454	QIAGEN GmbH
2019252798	Stryker European Holdings I, LLC	2019267067	Ocado Innovation Limited
2019252881	Heineken Supply Chain B.V.	2019267226	Industrie Borla S.p.A.
2019252911	NEXTracker Inc.	2019268470	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019252985	Evogene Ltd.	2019269053	Borealis AG; Abu Dhabi Polymers Company (Borouge) L.L.C.
2019253009	Cellresearch Corporation Pte. Ltd.; The Regents of the University of Colorado	2019270900	President and Fellows of Harvard College
2019253028	Anavex Life Sciences Corp.	2019273612	Recordati Industria Chimica e Farmaceutica SpA
2019253149	Raytheon Company	2019274443	Kalamazoo Holdings, Inc.
2019253212	Biotest AG	2019274671	Alcon Inc.
2019253217	Enterome S.A.	2019274672	Alcon Inc.
2019253292	Continuous Composites Inc.	2019274949	Oxford Nanopore Technologies Limited
2019253436	Graphic Packaging International, LLC	2019275464	Monsanto Technology LLC
2019253681	The United States of America, as Represented by the Secretary, Department of Health and Human Services	2019277225	D.T. Davis Enterprises, Ltd,
2019254035	Ethicon, Inc.	2019283456	Law, R.
2019254105	MS Motorservice International GmbH	2019284553	Norsk Hydro ASA
2019254475	AMOVA GmbH	2019284797	Aleris Rolled Products Germany GmbH
2019254665	HealthUp Sp. z o.o.	2019284807	Climeworks AG
2019254690	Mermet	2019286651	Ventus-Product Development & Consulting Ltd.
2019254962	Tianjin Hemay Pharmaceutical Sci-Tech Co., Ltd	2019287750	Dana-Farber Cancer Institute, Inc.
2019255183	Becton, Dickinson and Company	2019291259	Dyson Technology Limited
2019255310	Constellation Pharmaceuticals, Inc.	2019291262	Dyson Technology Limited
2019256635	Janssen Biotech, Inc.	2019291722	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019257143	Citrix Systems, Inc.	2019293477	Exokinetics, Inc.
2019257184	Qualcomm Incorporated	2019295304	Halliburton Energy Services, Inc.
2019257245	TuSimple, Inc.	2019297328	Boston Scientific Neuromodulation Corporation
2019257249	Dana-Farber Cancer Institute, Inc.	2019299446	Boston Scientific Neuromodulation Corporation
2019257288	Becton, Dickinson and Company	2019300176	Kiser, M.
2019257315	Qualcomm Incorporated	2019303245	Casale SA
2019257340	Board of Regents, The University of Texas System	2019311107	Owen Oil Tools LP
2019257568	Northrop Grumman Systems Corporation	2019322487	MultiVir Inc.
2019257651	Vertex Pharmaceuticals Incorporated	2019322492	Roda Futura, LLC
2019257719	Monsanto Technology LLC	2019322722	Eisai R&D Management Co., Ltd.
2019258487	Shell Internationale Research Maatschappij B.V.	2019351572	Iron Canary Pty Ltd
		2019351639	DIO Corporation

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2019365596 Stabicon Life Sciences Pvt. Ltd.; Lyrus Life Sciences Pvt. Ltd.; Nokha Trading LLP
2019371325 Shan Dong University
2019376523 Sekisui House,Ltd.
2019394218 Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Ltd; Guangzhou Healthquest Pharma Co., Ltd.
2019394856 Flowserve Management Company
2019399772 Ascentage Pharma (Suzhou) Co., Ltd.; Ascentage Pharma Group Corp Ltd
2019419781 Seoul Robotics Co.,Ltd.
2019419890 Lyu, J.
2019434220 Science Academy Of China University Of Mining and Technology
2019435042 China University of Mining and Technology
2020202130 Maintech Co., Ltd.
2020203166 MX Technologies, Inc.
2020203677 NEC Platforms, Ltd.
2020204346 Palo Alto Networks, Inc.
2020208364 Caribou Biosciences, Inc.
2020223712 NEC Platforms, Ltd.

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A01D 17 /-	2019240760	2019237658	A46B 11 /-	2019238342	2019245436
2019250512	2019246406	2019239273	A23L 29 /-	A61B 3 /-	2019262972
A01D 34 /-	2019251993	A23L 29 /-	2019291259	2019226595	A61F 5 /-
2019241288	A01N 1 /-	2018416590	2019291262	2019239531	2019231578
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2018416917	2019253009	A23L 33 /-	2019239530	2019227859	A61F 9 /-
A01D 46 /-	A01N 25 /-	2019223895	A47B 57 /-	2019244363	2019231257
2019226618	2019240878	2019237658	2019230455	2019274671	2019274671
A01D 75 /-	A01N 37 /-	A23L 7 /-	A47B 81 /-	A61B 46 /-	A61G 1 /-
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2019247819	2019240878	2019260014	2019230455	2018409883	2019231578
A01G 25 /-	2019260016	A23P 30 /-	A47C 20 /-	2019225952	A61G 5 /-
2019233842	A01N 51 /-	2019260014	2019245494	2019229759	2019293477
2019233842	2019240878	A24F 1 /-	A47C 21 /-	2019238375	2019322492
A01G 27 /-	A01P 17 /-	2019262377	2019245494	2019245429	A61G 7 /-
2019233842	2019249372	A24F 47 /-	A47C 27 /-	2019249818	2019251090
A01G 3 /-	2019260016	2019229890	2019237526	2019254665	2019254665
2019226618	A01P 7 /-	2019235586	A47J 31 /-	A61B 7 /-	2019237526
2019226618	2019240878	2019241460	2019225533	2019229730	2019245494
A01G 9 /-	A23C 13 /-	A41B 11 /-	A47J 37 /-	A61B 8 /-	2019293477
2019233842	2019260014	2019243318	2018412057	2019249818	A61J 1 /-
A01H 1 /-	A23C 9 /-	A41B 9 /-	2019225392	A61B 90 /-	2019237571
2019224363	2019240309	2019243318	2019234930	2019252798	2019259768
2019252985	2019259880	A41C 1 /-	A47K 5 /-	2019274671	A61J 3 /-
2019257719	2019260014	2019243318	2019247230	A61C 13 /-	2019228526
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2019224363	2018416590	2019243318	2019243317	A61C 17 /-	2018417229
2019233860	A23G 9 /-	A41D 1 /-	2019225392	2019291259	2019225251
2019252985	2019260014	2019243318	2019234930	2019291262	2019226586
2019257719	A23K 20 /-	A41D 13 /-	A61B 10 /-	A61C 19 /-	2019226627
A01H 6 /-	2019240293	2018418946	2019251090	2018416635	2019227391
2019224363	2019240309	2019243318	A61B 17 /-	2019252798	2019227607
A01K 1 /-	A23K 50 /-	2019243318	2019231578	A61F 11 /-	2019227988
2019300176	2019240293	A41D 27 /-	2019234447	2019252798	2019229188
A01K 29 /-	2019250440	2019243318	2019237364	A61F 13 /-	2019229978
2019300176	A23L 19 /-	A44C 5 /-	2019238344	2018416635	2019230124
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2019227780			2019254035	2018414498	2019231422
			2019262972	2018415283	2019232478
			2019264045	2019238331	2019232661
				2019240359	2019234536
				2019252798	2019234541
				A61F 2 /-	2019236578
				2019226595	2019236882
					2019237257
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					2019238326
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2019240293	2019231997	2019258678	A61M 15 /-	A61P 17 /-	2019235488
2019242518	2019232395	2019258679		2018417229	2019236578
2019242557	2019233918	2019261982	2019232610	2019234541	2019237257
2019243141	2019234654		2019241460	2019235631	2019239194
2019243155	2019237720	A61K 49 /-		2019250653	2019239890
2019243186	2019240274		A61M 16 /-	2019253009	2019239953
2019243571	2019243578	2019251090		2019254962	2019241345
2019243586	2019243714		2019231515		2019242518
2019243943	2019247936	A61K 51 /-	2019235611	A61P 19 /-	2019243186
2019244105	2019249859		2019250645		2019247200
2019245390	2019256635	2019251767	2019265288		2019247766
2019246406	2019257249	2019251769		2019226627	2019248545
2019246969	2019257340	2019252254	A61M 25 /-	2019261254	2019249231
2019247375	2019260738			2019399772	2019250504
2019247645		A61K 8 /-	2019239737		2019250696
2019247762	A61K 39 /-		2019245242	A61P 21 /-	2019251767
2019247766		2019226604	2019262972		2019251769
2019247838	2019225938	2019240309		2019226551	2019253681
2019247871	2019226551	2019242746	A61M 29 /-		2019255310
2019248545	2019228551	2019243026		A61P 25 /-	2019257651
2019249231	2019231321	2019245317	2019227817		2019265606
2019250504	2019233511	2019247708	2019262972	2019227607	2019394218
2019250696	2019233810	2019249372		2019236882	2020208364
2019251483	2019235488		A61M 39 /-	2019239953	
2019251769	2019237257	A61K 9 /-		2019242557	A61P 37 /-
2019252409	2019238345		2019239737	2019243155	
2019252790	2019239890	2019225251		2019247762	2019227391
2019252793	2019239953	2019230124	A61M 5 /-	2019247871	2019237257
2019253028	2019240247	2019231321		2019252790	2019239890
2019254962	2019240274	2019231712	2018416009	2019253028	2019246406
2019255310	2019241345	2019237720	2019225747	2019265606	2019250504
2019257651	2019243443	2019239949	2019236313		2019250696
2019260016	2019244435	2019239953	2019239737	A61P 29 /-	
2019265606	2019247200	2019240829	2019255183		A61P 39 /-
2019270900	2019247745	2019242557	2019262972	2019227391	
2019273612	2019249273	2019244105	2019267226	2019227607	2019247762
2019322722	2019253217	2019247375		2019232395	
2019365596	2019253681	2019248516	A61N 1 /-	2019250504	A61P 7 /-
2019394218		2019252409		2019261254	
2019399772	A61K 41 /-	2019258678	2019229759	2019265606	2019231317
		2019258679	2019232370		
A61K 33 /-	2019235631	2019273612	2019240829	A61P 3 /-	A61P 9 /-
	2019239890		2019242017		
2019251767		A61L 15 /-	2019242906	2019239797	2019227607
2019251769	A61K 45 /-		2019245336	2019249273	2019236882
		2018414498	2019260566	2019265606	2019237720
A61K 35 /-	2019233511	2018417229	2019261271		
	2019237257		2019265393	A61P 31 /-	A61Q 17 /-
2019229721	2019240247	A61L 2 /-	2019266092		
2019231997	2019242557		2019297328	2019226034	2019249372
2019243578	2019246406	2019242574	2019299446	2019231712	
2019248516	2019247766	2019351639		2019233810	A61Q 19 /-
2019249859	2019247871		A61N 2 /-	2019235631	
2019250653	2019273612	A61L 26 /-		2019237257	2019247708
2019253009			2019240829	2019239765	
2019257340	A61K 47 /-	2019240359	2019241209	2019239890	A61Q 5 /-
2019261608				2019244435	
2020208364	2019221709	A61L 9 /-	A61P 1 /-	2019249209	2019242746
	2019224659			2019250504	2019247708
A61K 36 /-	2019231712	2019242574	A61P 11 /-		
	2019233810	2019250777		A61P 33 /-	A62B 18 /-
2018417229	2019237720		2019231712	2019260016	2019242733
2019223895	2019239953	A61M 1 /-	2019254962		
2019235631	2019243571		2019273612	A61P 35 /-	A62B 23 /-
2019239797	2019243943	2019228526			2019242733
2019247708	2019252409	2019238375	A61P 13 /-	2019227391	
2019365596	2019258678	2019252798		2019227607	
	2019258679	2019262972		2019229663	A62B 7 /-
A61K 38 /-	2019261254		2019232395	2019229978	2019242733
		A61M 11 /-		2019231321	
2019225938	A61K 48 /-		A61P 15 /-	2019231422	
2019231317		2019241460		2019232478	
2019231422	2019247191	2019248020	2019249859	2019232661	

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2019244170	2019236313	2019246239	2019227094	2019260339	2019238566
<u>A63B 17 /-</u>	2019237002	<u>B04B 11 /-</u>	<u>B25B 27 /-</u>	<u>B32B 27 /-</u>	<u>B60R 1 /-</u>
	2019249846				
2019231690	<u>B01J 19 /-</u>	2019246239	2019230442	2019247878	2019251683
<u>A63B 21 /-</u>		<u>B04B 5 /-</u>	2019260339	<u>B32B 3 /-</u>	<u>B60T 17 /-</u>
	2019245828		<u>B25B 28 /-</u>		
2019231690	<u>B01J 2 /-</u>	2019246239		2019247878	2019230442
<u>A63B 23 /-</u>		<u>B04C 3 /-</u>	2019230442	<u>B32B 7 /-</u>	<u>B60W 30 /-</u>
	2019303245		<u>B25J 13 /-</u>		
2019231690	<u>B01J 20 /-</u>	2019246239		2019229194	2019257245
<u>A63H 33 /-</u>		<u>B04C 9 /-</u>	2019242550	2019247878	2019419781
	2019243142		<u>B25J 17 /-</u>	<u>B33Y 30 /-</u>	<u>B60W 40 /-</u>
	2019244402	2019434220			
2019249306	2019251515	<u>B05B 17 /-</u>	2019242550	2019253292	2018373022
<u>A63K 3 /-</u>	<u>B01J 27 /-</u>		<u>B25J 19 /-</u>	<u>B41F 27 /-</u>	2019419781
		2019248020			<u>B62D 55 /-</u>
2019225952	2019242872	<u>B05B 7 /-</u>	2019242550	2019223016	
<u>B01D 15 /-</u>	<u>B01J 29 /-</u>		<u>B29B 7 /-</u>	<u>B41J 2 /-</u>	2019234279
		2019247230			2019234354
2018261949	2019242630	<u>B05C 17 /-</u>	2019241877	2018431601	<u>B62H 5 /-</u>
2019242986				2018431743	
<u>B01D 17 /-</u>	<u>B01J 31 /-</u>	2019248020	<u>B29C 33 /-</u>	2018431744	2019238316
		<u>B05C 5 /-</u>		<u>B42D 25 /-</u>	<u>B63B 21 /-</u>
2018261949	2019242630		2019248861		
2018284857	2019242872	<u>B05D 1 /-</u>	<u>B29C 35 /-</u>	2019235502	2019223385
<u>B01D 24 /-</u>	<u>B01J 35 /-</u>				2019235524
		2019248020	2019240858	<u>B43K 8 /-</u>	<u>B63B 35 /-</u>
2019224002	2019242630	<u>B05D 5 /-</u>	<u>B29C 43 /-</u>		
<u>B01D 29 /-</u>	<u>B01J 37 /-</u>			2019223016	2019223385
		2019242166	2019240858	<u>B44B 5 /-</u>	<u>B63C 11 /-</u>
2019224002	2019242630	<u>B05D 5 /-</u>	<u>B29C 44 /-</u>		
<u>B01D 33 /-</u>	<u>B01J 8 /-</u>			2019240858	2019229194
		2019242164	2019248573	<u>B44C 1 /-</u>	
2019224002	2019226604	2019242166	<u>B29C 45 /-</u>		<u>B63G 8 /-</u>
<u>B01D 35 /-</u>	<u>B01L 3 /-</u>	<u>B05D 7 /-</u>		2019240858	
			2019248861	<u>B60B 29 /-</u>	2019247798
2018261949	2019249282	2019242164	<u>B29C 59 /-</u>		<u>B64C 11 /-</u>
<u>B01D 53 /-</u>	<u>B01L 99 /-</u>	2019242166		2019230442	
		<u>B06B 1 /-</u>	2019240858	<u>B60J 7 /-</u>	2019248758
2019226049	2019228505		<u>B29C 64 /-</u>		<u>B64C 39 /-</u>
2019284807	<u>B02C 25 /-</u>	2018261949		2019241398	
<u>B01D 65 /-</u>		2019248020	2019253292	<u>B60K 1 /-</u>	2019260589
	2019238181	<u>B07B 15 /-</u>			<u>B64D 11 /-</u>
2019224002	<u>B03B 5 /-</u>		<u>B29C 70 /-</u>	2019248427	
<u>B01F 1 /-</u>		2019245933			2018415899
	2018261949	<u>B09C 1 /-</u>	2019235452	<u>B60K 6 /-</u>	2018415900
2019237002	2019233936		2019253292		
<u>B01F 11 /-</u>	<u>B03B 9 /-</u>	2019241877	<u>B29K 667 /-</u>	2019248427	<u>B64D 31 /-</u>
		<u>B22D 29 /-</u>			
2019244788	2019245933		2019240858	<u>B60L 15 /-</u>	2019260589
<u>B01F 13 /-</u>	<u>B03C 1 /-</u>	2019284553	<u>B29L 31 /-</u>		<u>B64D 45 /-</u>
		<u>B22D 47 /-</u>		2019222634	
2019244788	2019243714		2019240858	<u>B60L 53 /-</u>	2019260589
2019249282	<u>B03D 1 /-</u>	2019284553	2019248861		<u>B65B 11 /-</u>
<u>B01F 15 /-</u>		<u>B22F 5 /-</u>	<u>B29L 7 /-</u>	<u>B60P 3 /-</u>	2019249386
	2019434220				
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2019249384	2019284553	2019243423	2019237991	2019248545	2019257651
	<u>B66F 11 /-</u>	<u>C05C 9 /-</u>	2019254962	<u>C07D 339 /-</u>	<u>C07D 487 /-</u>
<u>B65B 61 /-</u>	2018413678	2019303245	<u>C07D 211 /-</u>	2019239797	2019227607
2019249386					2019237991
	<u>B66F 3 /-</u>	<u>C05D 1 /-</u>	2019229188	<u>C07D 401 /-</u>	2019240299
<u>B65B 65 /-</u>	2019230442	2019241877	2019239890		2019242518
2019249384				2019232661	2019246969
2019249386	<u>B66F 9 /-</u>	<u>C05D 9 /-</u>	<u>C07D 213 /-</u>	2019240299	2019250504
				2019242518	2019399772
<u>B65D 1 /-</u>	2019254475	2019241877	2019229188	2019243048	
		2019243423	2019232661	2019243943	<u>C07D 491 /-</u>
2019237571	<u>B67D 1 /-</u>		<u>C07D 215 /-</u>	2019247533	
		<u>C05F 11 /-</u>		2019249231	2019240299
<u>B65D 41 /-</u>	2019226626		2019227391	2019250696	<u>C07D 495 /-</u>
	2019252881	2019223419	2019242518	2019260016	
2019227846		2019241877		2019287750	
	<u>B68B 3 /-</u>	<u>C05G 3 /-</u>	<u>C07D 217 /-</u>	<u>C07D 403 /-</u>	2019242518
<u>B65D 5 /-</u>	2019262337				2019243186
		2019223419	2019245390	2019247533	2019248545
2019239530	<u>B68C 1 /-</u>	2019303245	<u>C07D 221 /-</u>	2019249231	<u>C07D 498 /-</u>
2019249402				2019250696	
2019253436	2019262337	<u>C07C 13 /-</u>	2019237991	2019251767	2019248545
			2019240299	2019260016	<u>C07D 519 /-</u>
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					2019227607
2019227846	2019239875	<u>C07C 211 /-</u>	2019250696	2019240299	2019242518
				2019242518	<u>C07F 15 /-</u>
<u>B65D 77 /-</u>	<u>B82Y 40 /-</u>	2019229188	<u>C07D 239 /-</u>	2019250696	
				2019255310	2019251515
2019239530	2019228551	<u>C07C 229 /-</u>	2019232478	2019265606	
			2019287750	2019287750	<u>C07F 5 /-</u>
<u>B65D 85 /-</u>	<u>B82Y 5 /-</u>	2019229188	<u>C07D 241 /-</u>	<u>C07D 409 /-</u>	
					2019229978
2019238566	2019228551	<u>C07C 237 /-</u>	2019236882	2019242518	<u>C07F 7 /-</u>
2019246226			2019240299	2019250696	
	<u>C01C 3 /-</u>	2019231422	2019243048	2019265606	2019231422
<u>B65D 88 /-</u>					2019239875
	<u>C01D 15 /-</u>	2019231422	<u>C07D 251 /-</u>	<u>C07D 413 /-</u>	<u>C07F 9 /-</u>
2019238566					
	2019251515	<u>C07C 271 /-</u>	2019243943	2019232661	2019232478
				2019242518	2019322722
<u>B65G 1 /-</u>	2019244870	<u>C07C 323 /-</u>	<u>C07D 257 /-</u>	2019247533	
				2019250696	<u>C07H 15 /-</u>
2018378096	<u>C01F 7 /-</u>	2019239890	2019238326	<u>C07D 417 /-</u>	
2018413678					2019231422
2019254475	2019226604	<u>C07C 39 /-</u>	<u>C07D 277 /-</u>	2019240299	2019239890
				2019248545	
<u>B65G 15 /-</u>	<u>C01G 53 /-</u>	2018417229	2019248545	2019249231	<u>C07H 17 /-</u>
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					2019237257
<u>B65G 5 /-</u>	<u>C02F 1 /-</u>	2019242872	2019234541	<u>C07D 471 /-</u>	
					<u>C07H 19 /-</u>
2019239787	2019243423	<u>C07C 43 /-</u>	<u>C07D 307 /-</u>	2019240299	
	2019244402			2019246969	2019322722
<u>B65G 69 /-</u>		2019243026	2019229188	2019249231	
	<u>C02F 11 /-</u>			2019252793	<u>C07H 21 /-</u>
2019232022		<u>C07C 50 /-</u>	<u>C07D 309 /-</u>	2019257651	
	2019245933			2019257651	2019240234
<u>B65H 75 /-</u>	2019261585	2019239797	2019229188	2019260016	2019244594
2019238316	<u>C03C 25 /-</u>	<u>C07D 205 /-</u>	<u>C07D 311 /-</u>	<u>C07D 473 /-</u>	<u>C07H 23 /-</u>
<u>B66C 1 /-</u>	<u>C05B 17 /-</u>	<u>C07D 207 /-</u>	2018417229	2019232478	
			2019230124		2019231422
2019235524	2019241877	2019229188	2019239797		
2019254475		2019239890			
<u>B66C 17 /-</u>		2019250696			
2019284553					

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<u>C07K 1 /-</u>	<u>C08F 12 /-</u>	<u>C08L 9 /-</u>	<u>C11B 3 /-</u>	<u>C12N 5 /-</u>	<u>C22B 1 /-</u>
2019242986	2019240878	2019239875	2019243026	2018416756	2019227094
2019246328				2018416757	2019252587
2019264349	<u>C08F 2 /-</u>	<u>C09D 133 /-</u>	<u>C12C 3 /-</u>	2019233860	
	2019237636	2019240858	2019274443	2019234793	<u>C22B 11 /-</u>
<u>C07K 14 /-</u>				2019240234	2019227094
2019224659	<u>C08F 20 /-</u>	<u>C09D 183 /-</u>	<u>C12C 5 /-</u>	2019243443	
2019225972	2019240878	2019242164	2019274443	2019243578	<u>C22B 23 /-</u>
2019233860		2019242166		2019243707	2019252587
2019234654	<u>C08F 210 /-</u>	<u>C09D 201 /-</u>	<u>C12H 1 /-</u>	2019245418	
2019238345	2019233663		2019237002	2019247745	<u>C22B 26 /-</u>
2019242986		2019242166		2019248516	2019252587
2019243707	<u>C08F 22 /-</u>	<u>C09D 5 /-</u>	<u>C12L 11 /-</u>	2019250653	
2019243714	2019240878	2019242164	2019237002		<u>C22B 3 /-</u>
2019247200		2019242166		2019247191	2019227094
2019247745	<u>C08F 220 /-</u>	2019242166	<u>C12M 1 /-</u>	2019261608	2019252587
2019247746	2019240885	<u>C09D 7 /-</u>			
2019247936		2019242166	2018249619	<u>C12N 9 /-</u>	<u>C22B 47 /-</u>
2019249209	<u>C08F 283 /-</u>		2018261949	2019225972	2019252587
2019251993	2019225685	<u>C09J 11 /-</u>	2019233738	2019233918	
2019257249				2019240234	<u>C22B 7 /-</u>
2019260738	<u>C08F 290 /-</u>	2019240309	<u>C12M 3 /-</u>	2019242425	2019252587
2019261982	2019225685		2019234793	2019244594	
2019270900		<u>C09J 9 /-</u>		2019253212	<u>C22B 9 /-</u>
2019322487	2019237636	2019242899	<u>C12N 1 /-</u>	2019257340	2019252587
2020208364			2019242425	2019261982	
	<u>C08G 101 /-</u>	<u>C09K 17 /-</u>	2019247745	2019275464	<u>C22B 9 /-</u>
2018414456	2019236116	2019241877	2019251993		2019227094
2018416756				<u>C12P 1 /-</u>	<u>C22C 1 /-</u>
2018416757	<u>C08G 18 /-</u>	<u>C09K 8 /-</u>	<u>C12N 13 /-</u>	2019240368	2019235121
2019226034	2019236116	2018429375			
2019229663		2019240085	<u>C12N 15 /-</u>	<u>C12P 19 /-</u>	<u>C22C 19 /-</u>
2019231321	<u>C08G 65 /-</u>	2019295304		2019226146	2019235121
2019232372	2019230126	<u>C09K 9 /-</u>	2018416756	<u>C12P 21 /-</u>	<u>C22C 21 /-</u>
2019233511		2019237636	2018416757	2019233860	2019284797
2019234654	<u>C08J 5 /-</u>	<u>C10M 107 /-</u>	2019224363	2019240234	
2019236822	2019265288		2019225972	2019242425	<u>C22F 1 /-</u>
2019239194		<u>C10M 145 /-</u>	2019226526		
2019240247	<u>C08J 7 /-</u>	2019233663	2019227531	<u>C12P 7 /-</u>	2019284797
2019240274	2019265288	<u>C10M 169 /-</u>	2019233860	2019243026	
2019241345		2019258487	2019233918		<u>C25C 3 /-</u>
2019247200	<u>C08J 9 /-</u>		2019234916	<u>C12Q 1 /-</u>	2019233757
2019247229	2019269053	<u>C10N 10 /-</u>	2019240234	2019224363	<u>C25C 7 /-</u>
2019249209			2019242425	2019227531	2019233757
2019253681	<u>C08K 3 /-</u>	<u>C10N 40 /-</u>	2019243155	2019229606	
2019256635	2019239875		2019243332	2019229721	<u>D01F 9 /-</u>
2019257249	2019241877	<u>C10N 50 /-</u>	2019243707	2019230219	2019242896
2020208364	2019242896		2019244594	2019233918	
	2019265288	<u>C11B 1 /-</u>	2019247191	2019235407	<u>D02G 3 /-</u>
<u>C07K 17 /-</u>			2019247199	2019240760	2019254690
2019224659	<u>C08K 5 /-</u>		2019247200	2019243142	
	2019239875	<u>C10N 50 /-</u>	2019247645	2019243332	<u>D07B 1 /-</u>
<u>C07K 19 /-</u>	2019241877		2019247745	2019247652	2019235452
2019224659	2019242896		2019247746	2019249422	
	2019265288		2019249422	2019249422	<u>D21H 21 /-</u>
<u>C07K 5 /-</u>			2019251993	2019257719	
2019231422	<u>C08L 23 /-</u>		2019252985	2019261608	
	2019269053		2019258956	2019274949	
<u>C07K 7 /-</u>			2019261608		
2019233810	<u>C08L 33 /-</u>		2019266454	<u>C12R 1 /-</u>	<u>D21H 21 /-</u>
	2019269053		2019275464	2019259880	2020202130
<u>C08B 37 /-</u>			2019322487		
2019231712					
2019248516	2019240878	2019243026			

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<u>E01B 11 /-</u>	<u>E05B 49 /-</u>	<u>E21C 25 /-</u>	<u>F04B 43 /-</u>	<u>F16D 65 /-</u>	<u>F21S 8 /-</u>
2019251774	2019376523	2019237181	2019244412	2019230442	2019233731
<u>E01F 5 /-</u>	<u>E05B 67 /-</u>	2019237186	<u>F04B 7 /-</u>	<u>F16F 1 /-</u>	<u>F23C 15 /-</u>
2019252161	2019238316	<u>E21C 35 /-</u>	2019255183	2019253149	2019241452
<u>E01H 1 /-</u>	<u>E05D 3 /-</u>	2019237181	<u>F04C 15 /-</u>	<u>F16F 15 /-</u>	<u>F23G 5 /-</u>
2019243661	2019283456	2019237186	2019230459	2019253149	2019231200
<u>E02B 3 /-</u>	<u>E05D 5 /-</u>	<u>E21C 41 /-</u>	<u>F04C 18 /-</u>	<u>F16F 3 /-</u>	<u>F23G 7 /-</u>
2019223410	2019283456	2019435042	2019230459	2019253149	2019231200
<u>E02D 17 /-</u>	<u>E05D 7 /-</u>	<u>E21D 11 /-</u>	<u>F04C 2 /-</u>	<u>F16G 11 /-</u>	<u>F23R 7 /-</u>
2019243183	2019283456	2019252161	2019230459	2019235452	2019241452
<u>E02D 29 /-</u>	<u>E06B 11 /-</u>	<u>E21D 15 /-</u>	<u>F04C 29 /-</u>	2019235524	<u>F24B 1 /-</u>
2019223410	2019283456	2019238801	2019230459	<u>F16H 3 /-</u>	2019225392
2019243183	<u>E06B 3 /-</u>	<u>E21D 23 /-</u>	<u>F04D 17 /-</u>	2019248427	<u>F24C 1 /-</u>
<u>E02D 5 /-</u>	2019246274	2019238801	2019248758	<u>F16H 7 /-</u>	2019225392
2019223410	<u>E06B 5 /-</u>	<u>E21F 17 /-</u>	<u>F04D 29 /-</u>	2019241936	<u>F24C 3 /-</u>
<u>E02D 7 /-</u>	2019246274	2019239787	2019248758	<u>F16J 15 /-</u>	2019225392
2019251683	<u>E21B 19 /-</u>	<u>F01C 1 /-</u>	2019248758	2019235120	<u>F24F 1 /-</u>
<u>E04B 1 /-</u>	2019260339	2019230459	<u>F15B 15 /-</u>	2019239983	<u>F24F 1 /-</u>
2018430473	<u>E21B 23 /-</u>	<u>F01D 1 /-</u>	2019244788	<u>F16K 1 /-</u>	2019242465
2019240193	2018428043	<u>F01D 11 /-</u>	2019238801	2019244170	2019242466
<u>E04B 2 /-</u>	2018435946	<u>F01D 11 /-</u>	<u>F15B 3 /-</u>	<u>F16K 15 /-</u>	2019242468
2019243183	2019240153	2019248758	2019238801	2019244170	2019246289
2019376523	<u>E21B 33 /-</u>	2019235120	<u>F16B 11 /-</u>	<u>F16K 25 /-</u>	<u>F24F 11 /-</u>
<u>E04B 5 /-</u>	2018428043	<u>F01D 5 /-</u>	2019240193	2019394856	2019226049
2019226049	2019229552	2019248758	<u>F16B 2 /-</u>	<u>F16K 31 /-</u>	2019236793
<u>E04C 1 /-</u>	2019238801	<u>F01D 9 /-</u>	2019247819	2019244170	2019226049
2019243183	<u>E21B 34 /-</u>	2019235121	<u>F16B 23 /-</u>	<u>F16K 5 /-</u>	2019242465
<u>E04D 13 /-</u>	2018433808	<u>F03C 2 /-</u>	2019226491	2019394856	2019242466
2019226049	<u>E21B 37 /-</u>	2019230459	<u>F16B 37 /-</u>	<u>F16L 55 /-</u>	2019242467
<u>E04G 1 /-</u>	2019245729	<u>F03D 1 /-</u>	2019251774	2019251181	2019242468
2019240193	<u>E21B 41 /-</u>	2019242899	2019283456	2019258599	2019242468
<u>E04H 1 /-</u>	2018428866	<u>F03D 13 /-</u>	2019251774	2019351572	2019226049
2019376523	2018435946	2018430473	<u>F16B 41 /-</u>	<u>F16M 11 /-</u>	<u>F24F 7 /-</u>
<u>E04H 15 /-</u>	2019229552	<u>F03D 3 /-</u>	2019251774	2019248537	2019249131
2019241923	2019243667	2019227080	<u>F16B 45 /-</u>	<u>F16M 13 /-</u>	<u>F25B 1 /-</u>
<u>E04H 4 /-</u>	2019295304	<u>F04B 1 /-</u>	2019235524	2019248537	2019236793
2019262990	2019311107	<u>F04B 39 /-</u>	<u>F16B 5 /-</u>	<u>F17C 13 /-</u>	<u>F25B 13 /-</u>
<u>E04H 9 /-</u>	<u>E21B 47 /-</u>	2019251293	2019223410	2019226626	2019229773
2018430473	2018428866	<u>F04B 39 /-</u>	2019230455	<u>F17C 5 /-</u>	2019236793
	2019260291	2019251293		2019234804	<u>F25B 49 /-</u>
	<u>E21B 49 /-</u>				2019229773
	2018428866				

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F25D 17 /-	G01C 25 /-	2019264349	G05B 19 /-	2019265655	G08B 13 /-
2019232055	2019249034	G01P 5 /-	2019232022	G06N 5 /-	2019245451
2019243005	G01F 1 /-	2019286651	2019238181	2019230448	G08G 1 /-
F25D 21 /-	2019254665	G01R 19 /-	2019248758	2019265655	2018410434
2019232055	G01F 23 /-	2019243131	G05D 1 /-	G06N 99 /-	2019233731
2019243005	2019226626	G01R 27 /-	2018373022	2019238323	G08G 5 /-
F25D 29 /-	G01J 1 /-	2019243131	2018409987	G06Q 10 /-	2019233731
2019243005	2018415821	G01R 31 /-	2019419781	2019223645	G09B 19 /-
F26B 9 /-	G01K 13 /-	2019243131	G06F 1 /-	2019232022	2019225952
2019249131	2019237980	2019254105	G06F 16 /-	2019240749	G09C 1 /-
F28D 1 /-	G01L 3 /-	G01S 11 /-	2019232022	G06Q 20 /-	2019204710
2019251293	2019242550	2019257184	2019244116	2019238635	2019204723
F28D 7 /-	G01M 17 /-	G01S 13 /-	G06F 21 /-	G06Q 30 /-	G09G 5 /-
2019239983	2019254105	2019233731	2018421189	2018415587	2019243420
2019251293	G01N 13 /-	G01S 5 /-	2019204725	G06Q 40 /-	G10D 3 /-
F28F 1 /-	2019228505	2019251998	2019233753	2018415587	2019228344
2019251293	G01N 19 /-	2019257184	2019246982	G06Q 50 /-	2019245782
F28F 27 /-	2019240359	G01S 7 /-	2019262187	G10K 15 /-	2019222634
2019239983	G01N 21 /-	2019251103	2019262611	2019226618	2019241452
F28F 9 /-	2019230219	2019251196	G06F 3 /-	2019227780	G10L 21 /-
2019239983	2019243142	G01V 1 /-	2019223608	2019240749	2019244338
F28G 7 /-	G01N 23 /-	2019243987	2019244338	G06T 1 /-	G16B 20 /-
2019241452	2019239764	G01V 5 /-	2019245623	2019262611	2019229606
F41C 33 /-	G01N 25 /-	G01W 1 /-	G06F 9 /-	G06T 19 /-	G16H 10 /-
2019237543	2019237980	2019226550	2019204722	2019244338	2019237860
F41H 1 /-	G01N 27 /-	G02B 1 /-	2019244116	G06T 3 /-	G16H 20 /-
2019229194	2019236408	2019286651	2019261875	2019223608	2019257288
F41H 13 /-	G01N 29 /-	G02B 5 /-	2019262182	G06T 7 /-	2019274672
2018410908	2018284857	2019237636	2019262187	2019230448	G16H 30 /-
F41H 5 /-	G01N 30 /-	2019237636	G06K 19 /-	2019238323	2019230448
2019229194	2018261949	2019246274	2019252450	G07C 11 /-	2019274672
G01B 5 /-	2019237658	G02C 7 /-	G06K 9 /-	2019240749	G16H 40 /-
2019251181	2019256635	2019237636	2018410435	G07C 5 /-	2019257288
G01B 7 /-	G01N 33 /-	G02F 1 /-	2019231701	2019254105	2019274672
2018410908	2019230219	2018412807	2019233731	G07C 9 /-	G16Z 99 /-
2019231701	2019233511	G03G 15 /-	2019239454	2019240749	2019226526
2019251181	2019237658	2018416582	2019240125	G07F 11 /-	2019237860
G01C 21 /-	2019238388	G03G 21 /-	2019241278	2018413678	G21F 5 /-
2019222634	2019240026	2018416582	2019371325	G07F 9 /-	2019259768
	2019240760		2020203166	2018413678	H01F 29 /-
	2019241345		G06N 3 /-		2019230981
	2019245402		2019239454		
	2019245418				
	2019249282				

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<u>H01H 33 /-</u>	<u>H04B 10 /-</u>		2020223712
2019238802	2019243177	<u>H04R 3 /-</u>	<u>H04W 88 /-</u>
	2019243976	2019244338	2019237516
<u>H01H 9 /-</u>		<u>H04S 7 /-</u>	<u>H05B 33 /-</u>
2019230981	<u>H04L 12 /-</u>	2019244338	2019226704
	2019230471		2019226708
<u>H01J 37 /-</u>	2019248314	<u>H04W 12 /-</u>	
2019242574		2019246982	<u>H05B 45 /-</u>
	<u>H04L 29 /-</u>	2019262611	2019226704
<u>H01J 49 /-</u>	2018413527	2020204346	2019226708
2019239764	2019230471		
	2019237516	<u>H04W 16 /-</u>	
	2019241002	2018412629	<u>H05B 6 /-</u>
<u>H01L 21 /-</u>	2019257143	2018414599	2019235586
2019228521	2019261875	2019251998	
	2019262187		<u>H05C 1 /-</u>
<u>H01L 27 /-</u>	2019262611	<u>H04W 24 /-</u>	2018410908
2018433803		2018417367	
	<u>H04L 5 /-</u>	2019249173	<u>H05K 1 /-</u>
<u>H01L 31 /-</u>	2019249173	2019252223	2019265288
2019252911	2019251221		
	2019251352	<u>H04W 36 /-</u>	<u>H05K 7 /-</u>
	2019257315	2018412968	2019236482
<u>H01M 6 /-</u>	<u>H04L 9 /-</u>	2019268470	2019244343
2019236408	2019204710	2019291722	2019257568
	2019204724		
<u>H01M 8 /-</u>	2019204725	<u>H04W 4 /-</u>	
2019228390	2019226563	2018417537	
	2019243177	2019237516	
<u>H02B 1 /-</u>	2019246982	2019251998	
2019236482		<u>H04W 48 /-</u>	
	<u>H04M 1 /-</u>	2018415294	
<u>H02J 7 /-</u>	2020203677	2019268470	
2018416067	2020223712		
		<u>H04W 52 /-</u>	
<u>H02M 1 /-</u>	<u>H04N 1 /-</u>	2019249847	
2019245978	2019262611		
		<u>H04W 64 /-</u>	
<u>H02M 7 /-</u>	<u>H04N 17 /-</u>	2019251998	
2019245978	2019240125		
		<u>H04W 72 /-</u>	
<u>H02P 13 /-</u>	<u>H04N 19 /-</u>	2018412119	
2019230627	2018412414	2018412968	
	2019240125	2018414910	
<u>H02S 40 /-</u>	2019240981	2018417537	
2019252911	2019252418	2019249173	
		<u>H04W 74 /-</u>	
<u>H03F 1 /-</u>	<u>H04N 21 /-</u>	2018414649	
2019266400	2019223608	2018415389	
	2019240125	2019247019	
	2019244338	2019249173	
<u>H03F 3 /-</u>	2019262611		
2019266400		<u>H04W 76 /-</u>	
	<u>H04N 5 /-</u>	2019249173	
<u>H03H 7 /-</u>	2019259066		
2019233937		<u>H04W 8 /-</u>	
	<u>H04N 7 /-</u>	2019237516	
<u>H03K 17 /-</u>	2019247400	2019268470	
2019419890			
	<u>H04R 17 /-</u>		
	2019223608		

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 E02F 3/407 (2006.01)
 E02F 3/43 (2006.01)
 E02F 3/96 (2006.01)
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 C07C 233/58 (2006.01)
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2015234608	Biodental Remin Ltd	2015397225	SITA Information Networking Computing UK Limited
2015237963	The University of Birmingham	2015401564	Halliburton Energy Services, Inc.
2015241004	The Coca-Cola Company	2015408879	Podravka D.D.
2015241037	Genentech, Inc.	2015414380	Covidien LP
2015241069	The Scripps Research Institute	2016200839	Serimax Holdings
2015243171	Yale University	2016201421	Caterpillar Global Mining Europe GmbH
2015243297	Transgene S.A.	2016201561	OzLobsters Pty Ltd
2015243948	Minerva Biotechnologies Corporation	2016202341	Covidien LP
2015247494	Butterfly Network, Inc.	2016203435	General Electric Technology GmbH
2015249633	Genentech, Inc.	2016205361	Arena Pharmaceuticals, Inc.
2015252051	The University of Melbourne; NewSouth Innovations Pty Limited	2016206853	CareFusion 2200, Inc.
2015252797	Genzyme Corporation	2016209266	Serene Medical, Inc.
2015258770	Precision Pastoral Pty Ltd	2016213795	Honeywell International Inc.
2015259148	Ion Geophysical Corporation	2016218929	JK Tech Pty Ltd
2015261353	Safran Identity & Security	2016219102	Dana-Farber Cancer Institute, Inc.
2015264828	DASSAULT SYSTEMES CANADA INC.	2016220024	University of Vermont and State Agricultural College
2015265695	BAE Systems PLC	2016220177	Evoqua Water Technologies LLC
2015266027	QIAGEN GmbH	2016220518	Doten, L.
2015274227	Voelcker, N.	2016222643	Merit Medical Systems, Inc.
2015274801	Biometry Inc.	2016223450	Ovd Kinegram AG
2015275725	Lake Products Limited	2016224176	Samsung Electronics Co., Ltd.
2015279725	SunPower Corporation; Total Marketing Services	2016224180	Samsung Electronics Co., Ltd.
2015288232	Spring Bioscience Corporation; Ventana Medical Systems, Inc.; Genentech, Inc.	2016224861	Council of Scientific & Industrial Research
2015289150	Hexal AG	2016224987	DSG Technology Holdings Ltd.
2015292915	Pharmaceutical Productions, Inc.	2016226375	Stasher, Inc.
2015293892	SYRHA S.A.	2016228115	Commonwealth Scientific and Industrial Research Organisation; Monash University
2015294055	Nuovo Pignone Srl	2016229870	ISP Investments LLC
2015294125	Hansa Biopharma AB	2016231482	Covidien LP
2015303820	ICEE Holdings Pty Ltd	2016231490	Winfield Solutions, LLC
2015312720	Samsung Electronics Co., Ltd.	2016233712	Medtronic Navigation, Inc.
2015316580	Mars, Incorporated	2016236265	Philip Morris Products S.A.
2015318728	Fisher & Paykel Healthcare Limited	2016239081	Chemetics Inc.
2015322020	Georgia Tech Research Corporation	2016240897	Hitachi Zosen Corporation
2015324282	Terbium Labs, Inc	2016241227	Fisher & Paykel Healthcare Limited
2015328163	Dana-Farber Cancer Institute, Inc.	2016245931	Wandercraft
2015330089	Institut National des Radioelements	2016246225	Sharp Kabushiki Kaisha
2015330951	Treadwell Group Pty Ltd	2016246457	Cytoimmune Therapeutics, LLC
2015331089	Huons Co., Ltd.	2016247858	Ludwig Institute for Cancer Research Ltd.
2015335225	Beiersdorf AG	2016248758	Sorbonne Université; Pixium Vision; Centre National De La Recherche Scientifique - Cnrs -; INSERM (Institut national de la santé et de la recherche médicale)
2015337278	Samsung Electronics Co., Ltd.	2016252234	Consort Medical PLC
2015339309	Stryker Corporation	2016253015	Sidekick USA, LLC
2015345024	F. Hoffmann-La Roche AG	2016253994	Attabotics Inc.
		2016254639	Chr. Hansen Natural Colors A/S
		2016255625	Reckitt Benckiser (Brands) Limited

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2016255738	Nanosilical Devices S.r.l.	2017252596	Innospec Limited
2016256470	Radius Pharmaceuticals, Inc.	2017252597	Innospec Limited
2016258207	Miller, J.; Rudolph, S.	2017252598	Innospec Limited
2016258781	De' Longhi Appliances S.r.l.	2017252599	Innospec Limited
2016259382	Bendix Commercial Vehicle Systems LLC	2017255959	Orphazyme A/S
2016260293	Incube Labs, LLC	2017263821	Qualcomm Incorporated
2016261285	Haldor Topsøe A/S	2017264510	Qualcomm Incorporated
2016261907	Lindgren, P.	2017269088	Sembcorp Marine Integrated Yard Pte. Ltd.
2016266953	Spinal Simplicity, LLC	2017276404	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2016268399	Wisconsin Alumni Research Foundation		YETI Coolers, LLC
2016269462	Howmedica Osteonics Corp.	2017280047	Square, Inc.
2016277367	Monash University; The Walter and Eliza Hall Institute of Medical Research	2017290567	Square, Inc.
		2017290878	Polaris Industries Inc.
2016277880	Haldor Topsøe A/S	2017308843	Qualcomm Incorporated
2016278101	Bioinduction Limited	2017310955	Qualcomm Incorporated
2016281225	Ube Industries, Ltd.	2017315445	Dräger Safety AG & Co. KGaA
2016286116	Boston Scientific Scimed, Inc.	2017315603	Arthrex, Inc.
2016286655	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd	2017316682	Kinetic Pressure Control, Ltd.
		2017324094	Lummus Technology LLC
2016287075	Koninklijke Philips N.V.	2017325978	Janssen Vaccines & Prevention B.V.
2016287457	Industrie De Nora S.p.A.	2017327672	Beijing Hanmi Pharm. Co., Ltd.
2016288607	SLD Technology, Inc.	2017328309	Beijing Hanmi Pharm. Co., Ltd.
2016289982	Abgrall Conception	2017328310	Huawei Technologies Co., Ltd.
2016290343	Dr. Falk Pharma GmbH	2017333197	Qualcomm Incorporated
2016297679	Medical Developments International Limited	2017334861	MJN U.S. Holdings LLC
2016298481	Qualcomm Incorporated	2017341398	Alibaba Group Holding Limited
2016298962	Calgent Biotechnology Co., Ltd.	2017342562	LG Electronics Inc.
2016299517	Kurita Water Industries Ltd.	2017351649	Nuovo Pignone Tecnologie Srl
2016302400	Catalyst Therapeutics Pty Ltd	2017352704	Shenzhen Bo Li Jian Medicine Co., LTD.
2016306363	ITKR Software LLC	2017353914	Graphic Packaging International, LLC
2016307845	Merck Sharp & Dohme Corp.	2017356206	Colgate-Palmolive Company
2016313523	Avenu Medical, Inc.	2017371327	KemPharm, Inc.
2016314973	AbbVie Inc.; AbbVie Deutschland GmbH & Co. KG	2017374968	Bidgely Inc.
2016317394	Caterpillar Inc.	2017379795	Gongwin Biopharm Co., Ltd (Taiwan)
2016323410	Franke Kaffeemaschinen AG	2017386984	Motorola Solutions, Inc.
2016323767	Mycovia Pharmaceuticals, Inc.	2017405291	Samsung Electronics Co., Ltd.
2016323961	Attune Agriculture, LLC	2017407749	Essity Hygiene and Health Aktiebolag
2016325575	Tate & Lyle Ingredients Americas LLC; Tate & Lyle Technology Limited	2017416079	Beijing Voyager Technology Co., Ltd.
		2017416647	Beijing Normal University
2016325603	Campvalley (Xiamen) Co. Ltd.; Choi, K.	2017429845	Essity Hygiene and Health Aktiebolag
2016327975	Warsaw Orthopedic, Inc.	2018204142	TMS Global Services Pty Ltd
2016335016	TOMRA Systems ASA	2018204209	Fred Hutchinson Cancer Research Center; Seattle Children's Hospital d/b/a Seattle Children's Research Institute
2016338144	Casale SA		Vybion, Inc.
2016338585	Essilor International	2018204243	International Business Machines Corporation
2016340745	AgJunction LLC	2018209079	Avalanche Australia Pty Ltd.
2016340961	McLaughlin Gormley King Company	2018211212	Luxottica Retail North America Inc.
2016342569	Hoya Corporation	2018214005	Bio-Rad Laboratories, Inc.
2016348648	Boehringer Ingelheim International GmbH	2018214120	Contact Solutions, LLC
2016350129	Panasonic Intellectual Property Corporation of America	2018214159	Greeneden U.S. Holdings II, LLC
2016350141	HAO, X.	2018216823	Bruin Biometrics, LLC
2016354228	Incotec Holding B.V.	2018217185	Milestone Scientific, Inc.
2016358039	Centre National de la Recherche Scientifique	2018221009	The Trustees of Columbia University in the City of New York
2016368532	Droche, E.	2018221147	Profusa, Inc.
2016369835	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.		Cabinplant International A/S
2016372085	BASF SE	2018223020	ACS Industries, Inc.
2016373312	SUEZ Groupe	2018223108	BioAtla, LLC
2016374646	Zhang, D.	2018225126	Myriota Pty Ltd
2016381909	Toyobo Co., Ltd.; Furanix Technologies B.V.	2018226408	Evoqua Water Technologies LLC
2016384921	Jiangsu Hengrui Medicine Co., Ltd.	2018226442	Shell Internationale Research Maatschappij B.V.
2016399130	Beijing Dabeinong Technology Group Co., Ltd.; Beijing Dabeinong Biotechnology Co., Ltd.	2018226464	ASVB NT Solar Energy B.V.
		2018226977	Siemens Aktiengesellschaft
2016428754	Essity Hygiene and Health Aktiebolag	2018227889	Hot Lime Labs Limited
2016433840	Ball Corporation	2018227938	NantCell, Inc.
2017201054	UMOI Pty. Ltd.	2018230029	Gates Corporation
2017205925	The Board of Trustees of The Leland Stanford Junior University; U.S. Government as represented by the Department of Veterans Affairs	2018230346	Smiths Medical ASD, Inc
		2018230924	Apollo Fire Detectors Limited
2017207903	BASF SE	2018231164	Gen-Probe Incorporated
2017225585	Philip Morris Products S.A.	2018236753	Manufacturing Resources International, Inc.
2017242539	BASF SE	2018236835	JFE Steel Corporation
2017248777	Shine Analytics Ltd.; Harrison, S.; Dineen, M.; Nolan, I.; Flood, C.; Kelly, A.	2018237580	
		2018240809	

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2018241087	AME Pty Ltd	2019201620	Delta T, LLC
2018241100	Rearden, LLC	2019201712	Rearden, LLC
2018241137	Apple Inc.	2019201725	The ESAB Group Inc.
2018241639	Caliway Biopharmaceuticals Co., Ltd.	2019201799	Temple University-Of The Commonwealth System of Higher Education; Reis, H.
2018242879	IHI Corporation	2019201857	Tata Consultancy Services Limited
2018243493	The General Hospital Corporation	2019201998	Ningbo Junxing Daily Commodity Co., Ltd.
2018243520	Apple Inc.	2019202020	Kaihua Dali Cup Co., Ltd.
2018244349	Amgen Inc.	2019202032	Accenture Global Solutions Limited
2018244665	Song, K.	2019202062	Sanmen Yilin Eyewear Co., Ltd.
2018247264	Dolby International AB	2019202089	Celgene Corporation
2018248602	Ceragem Co., Ltd	2019202133	Jiaxing Dingsheng Cup Industry Co., Ltd.
2018250385	Novartis AG	2019202234	Reactive Technologies Limited
2018250474	GENENTECH, INC.	2019202272	Kaihua Dali Cup Co., Ltd.
2018253401	Koch-Glitsch, LP	2019202274	Yiwu Guanda Cup Industry Co., Ltd.
2018253561	The Nielsen Company (US), LLC	2019202293	Sanmen Yilin Eyewear Co., Ltd.
2018256497	Aristocrat Technologies Australia Pty Limited	2019202326	Ningbo Jiatai Eyewear Co., Ltd.
2018257221	Alibaba Group Holding Limited	2019202327	Hangzhou Mulin Eyewear Co., Ltd.
2018258497	Manufacturing Resources International, Inc.	2019202365	Lanxi Zhengke Lockset Co., Ltd.
2018261367	Spark Thermionics, Inc.	2019202401	Acorda Therapeutics, Inc.
2018263420	Mitsubishi Heavy Industries Thermal Systems, Ltd.	2019202429	Apple Inc.
2018265499	Bioenologia 2.0 S.r.l.	2019202494	Smart Solutions Technologies, S.L.
2018268498	Nippon Steel Corporation; Vallourec Oil and Gas France	2019202578	Hangzhou Kangyan Stationery Co., Ltd.
2018268991	Alteryx, Inc.	2019202579	Pinghu Huadeng Cup Industry Co., Ltd.
2018272411	China Construction Steel Structure Corp. Ltd.	2019202599	Kop-Coat, Inc.
2018273020	JW Pharmaceutical Corporation	2019202694	Georg Fischer Rohrleitungssysteme AG
2018274109	Xu, W.	2019202848	ElectroCore LLC
2018274474	Rheinmetall Electronics GmbH	2019203283	Hewlett-Packard Development Company, L.P.
2018275420	Boston Scientific Neuromodulation Corporation	2019203574	Concrete Countertop Solutions, Inc.
2018278976	Osio Corporation d/b/a Yolia Health	2019203576	American Panel Corporation
2018282302	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2019203688	4D Pharma Research Limited
2018285435	Sandvik Mining and Construction OY	2019203832	Katholieke Universiteit Leuven; University Hospital Antwerp
2018285437	Borealis AG	2019204200	Laser Institute of Shandong Academy of Science
2018286580	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2019204336	DSG Technology Holdings Ltd
2018301644	Hyper Ice, Inc.	2019204398	LIN, C.
2018304716	Schlage Lock Company LLC	2019204521	Kimberly-Clark Worldwide, Inc.
2018305459	Huawei Technologies Co., Ltd.	2019204730	Alibaba Group Holding Limited
2018311353	The Alan Nuttall Partnership Limited	2019204767	Idough Investment Company
2018311843	XCath, Inc.; The Board of Regents of the University of Texas	2019210627	ASSA ABLOY New Zealand Limited
2018311951	Boston Scientific Scimed, Inc.	2019213377	China ENFI Engineering Corporation
2018312333	Aluma-Form, Inc.	2019219799	CJ Cheiljedang Corporation
2018316972	Sumitomo Metal Mining Co., Ltd.	2019222960	Qualcomm Incorporated
2018319577	Novartis AG	2019222638	Wabtec Holding Corp.
2018322503	Huawei Technologies Co., Ltd.	2019228531	Loon LLC
2018327287	Niantic, Inc.	2019232937	Novartis AG
2018328362	Huawei Technologies Co., Ltd.	2019236710	Merits Health Products Co., Ltd.
2018329656	ConMed Corporation	2019236714	Warszawski Uniwersytet Medyczny
2018330066	Elekta, Inc.	2019240555	Nicira, Inc.
2018330841	TaiGen Biotechnology Co., Ltd.	2019240560	Sakura Finetek U.S.A., Inc.
2018341361	LG Electronics Inc.	2019240652	Ishida Co., Ltd.
2018343769	Nichiha Corporation	2019240693	SelectION Therapeutics GmbH
2018346452	Lenzing Aktiengesellschaft	2019246788	GE Global Sourcing LLC
2018354590	Husqvarna AB	2019246919	Meinan Machinery Works, Inc.
2018355588	New York University; PureTech Health, LLC	2019250191	ServiceNow, Inc.
2018356457	Doka GmbH	2019257323	Surflin\Wavetrak, Inc.
2018364183	SinoMab Bioscience Limited	2019257399	Dexcom, Inc.
2018372341	China University of Mining and Technology; Xuzhou Usure Mining Technology Co., Ltd	2019257419	ORG Technology Co., Ltd
2018374635	Besim, B.	2019257434	BISSELL Homecare, Inc.
2018391654	Thule Sweden AB	2019257443	Nanjing Institute of Geography & Limnology. Chinese Academy of Sciences
2018409789	Alden Advanced Technologies, Inc.	2019257467	Instrumentation Laboratory Company
2019200249	F. Hoffmann-La Roche AG	2019268130	Becton, Dickinson and Company
2019200606	ATI Properties, Inc.	2019275571	Motorola Solutions, Inc.
2019200710	ZTE Corporation	2019275648	Google LLC
2019200728	Molecular Transfer, Inc.	2019275673	Google LLC
2019200758	Aristocrat Technologies Australia Pty Limited	2019280061	Biosense Webster (Israel) Ltd.
2019200992	Syngenta Participations AG	2019283768	LG ELECTRONICS INC.
2019201104	Board of Regents, The University of Texas System	2019283971	Sealence S.r.l.
2019201275	Sage Therapeutics, Inc.	2019296636	CAC Shanghai International Trading Co., Ltd.
2019201315	Daewoong Co., Ltd.	2019302301	Hemotek, LLC
2019201553	The Fynder Group, Inc.	2019337117	Walker, I.

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2019359620 Environmental Engineering Co. Ltd; Ecology Institute Shandong Academy of Sciences
2020200228 CFPH, LLC
2020200340 Dolby International AB
2020200456 Beijing University of Chemical Technology
2020201273 FISHER & PAYKEL HEALTHCARE LIMITED
2020201578 Chow Tai Fook Jewellery Company Limited
2020201805 Revolutionary Medical Devices, Inc.
2020202820 Magic Leap, Inc.
2020203523 Board of Regents of the University of Texas System
2020204156 Electrocore LLC
2020204336 Ward, J.; Reiter, G.
2020212655 RC Services Australia Pty Ltd
2020220096 Apple Inc.

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<u>A01B 45 /-</u>	2019200992	2019202494	<u>A47J 43 /-</u>	<u>A61F 13 /-</u>	2016281225
2016253015	<u>A01N 57 /-</u>	<u>A45C 11 /-</u>	2019202274	2016224987	2016286655
<u>A01D 101 /-</u>	2016256470	2019202062	<u>A47K 10 /-</u>	2016368532	2016290343
2018354590	<u>A01N 59 /-</u>	2019202293	2017429845	2017407749	2016298962
<u>A01D 34 /-</u>	2016231490	2019202327	<u>A47L 11 /-</u>	2019204336	2016302400
2018354590	<u>A01N 65 /-</u>	<u>A45C 13 /-</u>	2019257434	<u>A61F 2 /-</u>	2016314973
<u>A01D 69 /-</u>	2016340961	2019202062	<u>A47L 13 /-</u>	2016269462	2016323767
2018354590	<u>A01P 1 /-</u>	<u>A46B 15 /-</u>	2018225126	2016306363	2016325575
<u>A01F 15 /-</u>	2016323767	<u>A46B 9 /-</u>	<u>A47L 15 /-</u>	<u>A61F 5 /-</u>	2016369835
2019204767	<u>A01P 13 /-</u>	2017356206	2015396350	2018248602	2017255959
<u>A01G 13 /-</u>	2016323961	<u>A47B 57 /-</u>	2016255625	2018301644	2017352704
2016399130	<u>A01P 3 /-</u>	2019283768	<u>A47L 5 /-</u>	<u>A61F 7 /-</u>	2017379795
<u>A01H 5 /-</u>	2016323767	<u>A47C 27 /-</u>	2019257434	2018409789	2017416647
2016399130	2016354228	2019236710	<u>A47L 9 /-</u>	<u>A61F 9 /-</u>	2018241639
<u>A01K 29 /-</u>	<u>A01P 7 /-</u>	<u>A47F 3 /-</u>	2019257434	<u>A61G 5 /-</u>	2018244349
2015258770	2016354228	<u>A47F 7 /-</u>	<u>A61B 1 /-</u>	2020212655	2018273020
<u>A01K 61 /-</u>	2019296636	2018311353	2016202341	<u>A61G 7 /-</u>	2018319577
2016261907	<u>A22C 17 /-</u>	<u>A47F 7 /-</u>	2016342569	2015339309	2018364183
<u>A01K 67 /-</u>	2018223108	2019202326	<u>A61B 10 /-</u>	2020212655	2019200249
2014323527	<u>A23F 3 /-</u>	<u>A47G 11 /-</u>	2015316580	<u>A61H 1 /-</u>	2019200728
2015243948	2019202272	2016428754	<u>A61B 17 /-</u>	2016245931	2019201104
<u>A01M 23 /-</u>	<u>A23L 2 /-</u>	<u>A47G 19 /-</u>	2015383955	<u>A61H 15 /-</u>	2019201275
2019337117	2016254639	2018274109	2015414380	2018248602	2019201799
<u>A01N 25 /-</u>	<u>A23L 27 /-</u>	2019202579	2016231482	<u>A61H 23 /-</u>	2019203688
2016323961	2015408879	<u>A47G 21 /-</u>	2016266953	2018301644	2019203832
2016354228	2016325575	2016428754	2016286116	2020212655	2019232937
<u>A01N 33 /-</u>	<u>A23L 33 /-</u>	2019202274	2016327975	<u>A61H 3 /-</u>	2019236714
2019202599	2018265499	<u>A47G 23 /-</u>	2018329656	2016245931	<u>A61K 33 /-</u>
<u>A01N 37 /-</u>	<u>A23L 5 /-</u>	2019202579	<u>A61B 18 /-</u>	<u>A61H 3 /-</u>	2018243493
2016354228	2016254639	<u>A47G 25 /-</u>	2016209266	2016245931	<u>A61K 35 /-</u>
2019200728	<u>A23P 20 /-</u>	2013224749	2016313523	<u>A61H 7 /-</u>	2014290568
2019296636	2019202272	<u>A47J 31 /-</u>	2019280061	2018248602	2015243297
<u>A01N 41 /-</u>	<u>A24D 3 /-</u>	2016258781	<u>A61B 5 /-</u>	2018301644	2015353853
2019296636	2019202272	2016323410	2015316580	2020212655	2015357485
<u>A01N 43 /-</u>	<u>A24F 47 /-</u>	2019202020	2016260293	<u>A61K 101 /-</u>	2018211212
2016354228	2017225585	2019202020	2018217185	2017416647	2018230346
2017242539	<u>A24F 47 /-</u>	2019202133	2018223020	<u>A61K 31 /-</u>	2019202089
2019296636	2016236265	2019202133	2018243520	2016245931	2019203688
<u>A01N 55 /-</u>	<u>A41D 13 /-</u>	2019202579	2018311951	<u>A61H 3 /-</u>	<u>A61K 36 /-</u>
			2019202494	2016245931	2015289150
			2019257399	2016245931	<u>A61K 38 /-</u>
			2018329656	2017416647	2014337506
				<u>A61K 31 /-</u>	2015218202
				2014337506	2015328163
				2015241069	2015331089
				2015292915	2016220024
				2015331089	2018221147
				2015364696	2018278976
				2016205361	2019202089
				2016219102	2019202401
				2016228115	<u>A61K 39 /-</u>
				2016255738	2013305848
				2016268399	2014290568
				2016277367	2014369191
					2015217572
					2015225926
					2015249633
					2015294125
					2016246457
					2016307845
					2017327672

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2017328309	<u>A61M 1 /-</u>	<u>A61P 19 /-</u>	2019236714	<u>B01D 53 /-</u>	2016200839
2017328310					
2018204209	2016258207	2016281225	<u>A61P 43 /-</u>	2016239081	<u>B05D 7 /-</u>
2018204243	2018409789	2017328309		2016338144	
2018355588		2017328310	2016281225	2018230029	2017207903
	<u>A61M 11 /-</u>	2019236714	2018364183	2018243493	
<u>A61K 45 /-</u>					<u>B06B 1 /-</u>
	2016348648	<u>A61P 21 /-</u>	<u>A61P 7 /-</u>	<u>B01D 63 /-</u>	
2016323767					2015247494
2017255959	<u>A61M 15 /-</u>	2014290568	2014290568	2018226464	2015372673
2018211212			2018364183		
2019203832	2016297679	<u>A61P 25 /-</u>		<u>B01D 65 /-</u>	<u>B22F 3 /-</u>
	2016348648				
<u>A61K 47 /-</u>		2014290568	<u>A61P 9 /-</u>	2016299517	2015294055
	<u>A61M 16 /-</u>	2014337506			2016269462
2016286655		2016219102	2014290568	<u>B01D 69 /-</u>	
2017328309	2015318728	2016281225	2015408879		<u>B22F 7 /-</u>
2017328310	2016241227	2016314973		2015322020	2016269462
2017379795	2020201273	2017255959	<u>A61Q 11 /-</u>		
2018241639	2020201805	2017416647		<u>B01D 71 /-</u>	
		2019200249	2015234608		<u>B23K 26 /-</u>
<u>A61K 48 /-</u>	<u>A61M 25 /-</u>	2019201275	<u>A61Q 17 /-</u>	2016299517	
		2019202401			2018236753
2015252797	2016222643	2019202401	2015335225	<u>B01J 19 /-</u>	<u>B23K 7 /-</u>
2018211212	2016241227	2019203832			
	2016260293	<u>A61P 27 /-</u>	<u>A61Q 5 /-</u>	2018230029	2015348102
<u>A61K 49 /-</u>	2016313523			<u>B01J 20 /-</u>	<u>B23K 9 /-</u>
	2018231164	2015331089	2017252596		
2015243948	2018311843		2017252597	2018230029	2019201725
	2019268130	<u>A61P 29 /-</u>	2017252598	2019204336	
<u>A61K 51 /-</u>	2019280061		2017252599		
	2020203523	2015328163	<u>A62B 18 /-</u>	<u>B01J 23 /-</u>	<u>B23P 19 /-</u>
2017416647		2016205361			
	<u>A61M 3 /-</u>	2016281225	2020201805	2017325978	2018374635
<u>A61K 8 /-</u>					
	2018409789	<u>A61P 3 /-</u>	<u>A62C 2 /-</u>	<u>B01J 8 /-</u>	<u>B24D 13 /-</u>
2015234608					
2015335225	<u>A61M 39 /-</u>	2016268399	2016220518	2017325978	2018225126
2017252596		2018241639			
2017252597	2016201561	<u>A61P 31 /-</u>	<u>A63F 13 /-</u>	<u>B01L 3 /-</u>	<u>B26B 19 /-</u>
2017252598					
2017252599	<u>A61M 5 /-</u>	2014369191	2018327287	2019257467	2015371527
2019302301			2019200758	<u>B02C 1 /-</u>	<u>B27D 1 /-</u>
	2016252234	<u>A61P 35 /-</u>	2020202820		
<u>A61K 9 /-</u>	2018221009		<u>B01D 11 /-</u>	2016218929	2019246919
	2018409789	2014290568			
2015289150	<u>A61N 1 /-</u>	2015352545	2019213377	<u>B02C 13 /-</u>	<u>B28B 1 /-</u>
2016286655		2015364696			
2016290343	2016248758	2016220024	<u>B01D 15 /-</u>	2016218929	2018343769
2016368532	2016278101	2016247858			
2017379795	2018275420	2016255738	2019201315	<u>B03C 1 /-</u>	<u>B29C 39 /-</u>
2018221147	2019202494	2016277367			
2018273020	2019202848	2016281225	<u>B01D 24 /-</u>	2016224861	2015303820
2019232937	2020204156	2016307845		2016372085	
		2016384921	2016240897	<u>B03D 1 /-</u>	<u>B29C 44 /-</u>
<u>A61L 17 /-</u>	<u>A61N 5 /-</u>	2017328309			
		2017352704	<u>B01D 29 /-</u>	2016372085	2015303820
2017316682	2016278101	2018244349			<u>B29C 55 /-</u>
	2018248602	2018319577	2016240897	<u>B05B 12 /-</u>	
<u>A61L 2 /-</u>		2018364183	<u>B01D 3 /-</u>		2016381909
	<u>A61P 1 /-</u>	2019202089		2016200839	<u>B29C 65 /-</u>
2016228115			2018253401	2016229870	
	2016281225	<u>A61P 37 /-</u>			2019202694
<u>A61L 27 /-</u>	2018241639		<u>B01D 46 /-</u>	<u>B05B 13 /-</u>	
		2015328163			
2015223798	<u>A61P 11 /-</u>	2016205361	2018243493	2016200839	<u>B29C 67 /-</u>
2017316682		2016281225	2019302301		
	2014290568	2016307845		<u>B05C 11 /-</u>	2015303820
<u>A61L 29 /-</u>		2016384921	<u>B01D 5 /-</u>		2016269462
		2017328309		2016206853	
2016228115	<u>A61P 17 /-</u>	2017328310	2020204336	<u>B05D 1 /-</u>	<u>B29K 67 /-</u>
2018311843		2018364183			
2020203523	2016281225	2019203688			2016381909
	2019236714				

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<u>B29L 9 /-</u>	<u>B62D 1 /-</u>	<u>B65D 71 /-</u>	<u>C04B 18 /-</u>	<u>C07D 235 /-</u>	2018319577
2016381909	2016340745	2017353914	2018343769	2015364696	<u>C07D 451 /-</u>
<u>B32B 15 /-</u>	<u>B62D 11 /-</u>	<u>B65D 77 /-</u>	<u>C04B 20 /-</u>	<u>C07D 237 /-</u>	2016247858
2017207903	2018354590	2019257419	2018343769	2016277367	<u>C07D 471 /-</u>
<u>B32B 27 /-</u>	<u>B62D 5 /-</u>	<u>B65D 81 /-</u>	<u>C04B 28 /-</u>	<u>C07D 239 /-</u>	2015241069
2016381909	2016340745	2017280047	2018343769	2016323767	2016314973
2017207903	<u>B62D 55 /-</u>	<u>B65D 85 /-</u>	<u>C07C 233 /-</u>	<u>C07D 249 /-</u>	2016369835
<u>B32B 9 /-</u>	2016317394	2015303820	2015364696	2016277367	2017416647
2016381909	2017308843	2019202062	<u>C07C 237 /-</u>	<u>C07D 487 /-</u>	2018319577
2018343769	<u>B63B 21 /-</u>	<u>B65G 1 /-</u>	2019200728	<u>C07D 257 /-</u>	2016219102
<u>B41J 2 /-</u>	2018241087	2016253994	2019296636	2016323767	2016302400
2019203283	<u>B63B 22 /-</u>	<u>B65G 27 /-</u>	<u>C07C 255 /-</u>	<u>C07D 271 /-</u>	2016384921
<u>B42D 25 /-</u>	2018241087	2018223108	2019296636	2016277367	2017242539
2016223450	<u>B63B 35 /-</u>	<u>B65G 47 /-</u>	<u>C07C 29 /-</u>	2019296636	2017352704
<u>B60D 1 /-</u>	2017269088	2018223108	2016261285	<u>C07D 277 /-</u>	2017416647
2018285435	<u>B63B 59 /-</u>	<u>B65H 20 /-</u>	<u>C07C 311 /-</u>	2016277367	2018319577
<u>B60L 50 /-</u>	2016261907	2017429845	2016277367	<u>C07D 307 /-</u>	<u>C07D 491 /-</u>
2017308843	2016287075	<u>B66C 1 /-</u>	<u>C07C 401 /-</u>	2015364696	2019201104
<u>B60Q 1 /-</u>	<u>B63C 11 /-</u>	2019228531	2016268399	2016277367	<u>C07D 495 /-</u>
2018237580	2017201054	<u>B67B 7 /-</u>	<u>C07C 43 /-</u>	<u>C07D 317 /-</u>	2018319577
<u>B60R 9 /-</u>	<u>B63G 8 /-</u>	2019201998	2015364696	2016358039	<u>C07D 513 /-</u>
2018237580	2017201054	2019202365	<u>C07C 47 /-</u>	<u>C07D 333 /-</u>	2018319577
2018391654	<u>B63H 20 /-</u>	<u>B82Y 10 /-</u>	2017252596	2016277367	<u>C07D 519 /-</u>
<u>B60T 11 /-</u>	2019283971	2015252051	2017252597	<u>C07D 401 /-</u>	2017352704
2018354590	<u>B65B 41 /-</u>	<u>C01B 17 /-</u>	2017252598	2016219102	2017416647
<u>B60T 13 /-</u>	2019240652	2016239081	2017252599	2017371327	<u>C07F 7 /-</u>
2016259382	<u>B65D 30 /-</u>	<u>C01B 3 /-</u>	<u>C07C 50 /-</u>	2018319577	2016255738
<u>B60T 17 /-</u>	2016226375	2016338144	2016298962	2018364183	2019200249
2016259382	<u>B65D 33 /-</u>	<u>C01B 32 /-</u>	<u>C07C 67 /-</u>	<u>C07D 403 /-</u>	<u>C07F 9 /-</u>
<u>B60T 7 /-</u>	2016226375	2018230029	2016277880	2016247858	2017371327
2016259382	<u>B65D 43 /-</u>	<u>C02F 1 /-</u>	<u>C07C 69 /-</u>	2019200249	<u>C07H 1 /-</u>
2018354590	2017280047	2016224861	2016277880	<u>C07D 405 /-</u>	2016358039
<u>B61B 13 /-</u>	<u>B65D 47 /-</u>	2019257443	<u>C07D 207 /-</u>	2015364696	<u>C07H 13 /-</u>
2017201054	2017280047	<u>C02F 11 /-</u>	2015364696	2018319577	2016358039
<u>B61D 11 /-</u>	2017280047	2016224861	<u>C07D 211 /-</u>	<u>C07D 409 /-</u>	<u>C07H 21 /-</u>
2018285435	<u>B65D 5 /-</u>	<u>C04B 14 /-</u>	2018330841	2018319577	2014337506
<u>B61G 1 /-</u>	2015303820	2018343769	<u>C07D 213 /-</u>	<u>C07D 413 /-</u>	<u>C07H 5 /-</u>
2018285435	2017353914	<u>C04B 16 /-</u>	2015364696	2016219102	2016358039
<u>B61L 3 /-</u>	<u>B65D 51 /-</u>	2018343769	2016277367	2018319577	<u>C07H 7 /-</u>
2019226238	2017280047	<u>C07D 231 /-</u>	<u>C07D 231 /-</u>	<u>C07D 417 /-</u>	2016358039
		2016277367	2016277367	2016247858	

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<u>C07H 9/-</u>	2019204521	2015357485	<u>C22F 1/-</u>	<u>E02B 17/-</u>	<u>E21B 29/-</u>
2016358039	<u>C08L 71/-</u>	2017205925	2016433840	2017269088	2015348102
<u>C07J 9/-</u>	2019204521	2018204209	2019200606	<u>E02F 3/-</u>	<u>E21B 33/-</u>
2019201275	<u>C09D 123/-</u>	2018230346	<u>C12N 9/-</u>	2016289982	2015348102
<u>C07K 1/-</u>	2018285437	<u>C12N 9/-</u>	2015243948	<u>E02F 9/-</u>	2015355667
2018226408	<u>C09K 11/-</u>	2015294125	2015294125	2015355388	2015396945
2019201315	<u>C09K 11/-</u>	<u>C12P 19/-</u>	<u>C25C 1/-</u>	2015355388	2015401564
2019202089	2015274227	2019219799	2016287457	<u>E03B 3/-</u>	2017324094
<u>C07K 11/-</u>	<u>C10G 1/-</u>	<u>C12P 21/-</u>	<u>C25C 7/-</u>	2020204336	<u>E21B 41/-</u>
2016220024	2017325978	2019201315	2016287457	<u>E04B 7/-</u>	2018241087
<u>C07K 14/-</u>	<u>C10J 3/-</u>	<u>C12P 7/-</u>	<u>C25D 21/-</u>	2015363282	<u>E21B 43/-</u>
2015252797	2015359517	2019201553	2016287457	<u>E04D 3/-</u>	2015348102
2015345024	<u>C10L 1/-</u>	<u>C12Q 1/-</u>	<u>D01F 1/-</u>	2015356689	2015396945
2015357485	2019302301	2014346695	2018346452	<u>E04F 11/-</u>	2018241087
2016220024	<u>C11D 1/-</u>	2018236835	<u>D01F 2/-</u>	2015330951	<u>E21B 49/-</u>
2016246457	<u>C11D 1/-</u>	2019219799	2018346452	<u>E04F 13/-</u>	2015349599
2016307845	2016299517	<u>C12R 1/-</u>	<u>D02G 3/-</u>	2015356689	<u>E21C 35/-</u>
2017205925	<u>C11D 11/-</u>	2018265499	2018346452	<u>E04F 15/-</u>	2015355388
2017327672	2016255625	<u>C21D 1/-</u>	<u>D03D 15/-</u>	2019204398	<u>E21D 23/-</u>
2018204209	<u>C11D 3/-</u>	2015370805	2018346452	<u>E04G 21/-</u>	2016201421
2019201315	2015335225	2019200606	<u>D06F 39/-</u>	2018356457	<u>F01D 1/-</u>
2019202089	2016255625	<u>C21D 8/-</u>	2018341361	<u>E04G 5/-</u>	2018244665
2019240693	2016299517	2018240809	<u>D06F 57/-</u>	2015330951	<u>F01D 5/-</u>
<u>C07K 16/-</u>	<u>C12G 1/-</u>	<u>C21D 9/-</u>	2013224749	<u>E04H 15/-</u>	2015294055
2014323527	2018265499	2018240809	<u>D06P 5/-</u>	2016325603	<u>F01K 17/-</u>
2014369191	<u>C12M 1/-</u>	<u>C22B 1/-</u>	2017252596	<u>E04H 17/-</u>	2016203435
2015217572	2015357485	2016224861	2017252597	2015330951	<u>F02C 3/-</u>
2015218903	2016246457	<u>C22B 23/-</u>	2017252598	<u>E04H 4/-</u>	2018242879
2015225926	2016307845	2018316972	2017252599	2019203574	<u>F02C 7/-</u>
2015241037	2017328309	<u>C22B 3/-</u>	<u>E01B 25/-</u>	<u>E05B 15/-</u>	2018242879
2015249633	2017328310	2018272411	2017201054	<u>E05B 57/-</u>	<u>F04D 25/-</u>
2015288232	2018204243	<u>C22C 19/-</u>	<u>E01C 3/-</u>	2019210627	2018274109
2015345024	2018355588	2019200606	2018272411	<u>E05B 65/-</u>	2019201620
2015357485	<u>C12N 1/-</u>	2018316972	<u>E01C 7/-</u>	<u>F04D 29/-</u>	2019202578
2016246457	2018265499	2019213377	<u>E01D 101/-</u>	<u>F04D 29/-</u>	2018274109
2016307845	2019359620	<u>C22C 21/-</u>	2015218444	<u>E21B 17/-</u>	<u>F16C 17/-</u>
2017328309	<u>C12N 15/-</u>	2016433840	<u>E01D 15/-</u>	2015401564	2017351649
2017328310	2014285720	<u>C22C 32/-</u>	2015218444	<u>E21B 23/-</u>	<u>F16C 32/-</u>
2018204243	2014290568	<u>C22C 38/-</u>	<u>E01D 2/-</u>	2015401564	2017351649
2018355588	2014337506	2018240809	2015218444	2015401564	2017351649
<u>C07K 19/-</u>	2015252797	2019200606	2015218444	2015401564	2017351649
2015357485	2015345024	<u>C22C 32/-</u>	2015294055	2015401564	2017351649
<u>C08G 63/-</u>	2016399130	<u>C22C 32/-</u>	2015294055	2015401564	2017351649
2016381909	2018204209	<u>C22C 32/-</u>	2015294055	2015401564	2017351649
<u>C08J 7/-</u>	2018211212	<u>C22C 32/-</u>	2015294055	2015401564	2017351649
2017207903	<u>C12N 5/-</u>	<u>C22C 38/-</u>	2015294055	2015401564	2017351649
<u>C08K 3/-</u>	2014285720	<u>C22C 38/-</u>	2015294055	2015401564	2017351649
2018285437	2014369191	<u>C22C 38/-</u>	2015294055	2015401564	2017351649
<u>C08L 1/-</u>	2015223798	<u>C22C 38/-</u>	2015294055	2015401564	2017351649
2019204521	2018250474	<u>C22C 38/-</u>	2015294055	2015401564	2017351649
<u>C08L 3/-</u>	2015353853	<u>C22C 38/-</u>	2015294055	2015401564	2017351649

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<u>F16C 33 /-</u>	<u>F25J 1 /-</u>	<u>G01N 1 /-</u>	<u>G01V 1 /-</u>	2019250191	<u>G06Q 20 /-</u>
2017351649	2018226977	2015266027	2013401761	<u>G06F 12 /-</u>	2015337278
<u>F16G 1 /-</u>	<u>F26B 11 /-</u>	2019240560	2015230692	2015324282	2016335016
2018230924	2015349602	<u>G01N 15 /-</u>	2015259148	2018209079	2017290567
<u>F16H 55 /-</u>	<u>F26B 17 /-</u>	2018372341	2015264828	2018268991	2017290878
2018230924	2015349602	<u>G01N 21 /-</u>	2020200456	<u>G06F 13 /-</u>	<u>G06Q 30 /-</u>
<u>F16H 7 /-</u>	<u>F26B 21 /-</u>	2015274227	<u>G02B 21 /-</u>	2015203209	2015241004
2018230924	2015349602	2016229870	2019240560	2018204142	2020201578
<u>F16L 15 /-</u>	<u>F26B 23 /-</u>	2016350141	<u>G02B 27 /-</u>	2018268991	<u>G06Q 50 /-</u>
2018268498	2016203435	2017315603	2015265695	<u>G06F 15 /-</u>	2015241004
<u>F16L 3 /-</u>	<u>F28D 15 /-</u>	2019257467	2018236753	2017374968	<u>G06T 11 /-</u>
2015275725	2018258497	<u>G01N 27 /-</u>	2020202820	2018204142	2015261353
<u>F16L 47 /-</u>	<u>F41A 21 /-</u>	2015274801	<u>G02B 5 /-</u>	2018214159	<u>G06T 15 /-</u>
2019202694	2015348102	<u>G01N 29 /-</u>	2015265695	<u>G06F 16 /-</u>	<u>G06T 17 /-</u>
<u>F16L 59 /-</u>	<u>F41A 33 /-</u>	2020200456	2018236753	2018216823	2017342562
2017207903	2018274474	<u>G01N 3 /-</u>	<u>G02B 6 /-</u>	2019250191	<u>G06T 19 /-</u>
<u>F21V 33 /-</u>	<u>F41G 3 /-</u>	<u>G01N 33 /-</u>	2015230692	<u>G06F 17 /-</u>	2015264828
2016288607	2018274474	2015220566	<u>G02C 5 /-</u>	2015264828	2018214005
2016325603	<u>F41G 7 /-</u>	2015243171	<u>G02C 7 /-</u>	2020200228	<u>G06T 19 /-</u>
<u>F22B 1 /-</u>	<u>F42B 8 /-</u>	2015288232	<u>G02C 1 /-</u>	2019202327	2018327287
2016203435	2018274474	2015352743	<u>G02F 1 /-</u>	<u>G02C 5 /-</u>	<u>G06T 17 /-</u>
<u>F23K 1 /-</u>	<u>G01C 21 /-</u>	2016213795	<u>G04F 5 /-</u>	2019202327	2015264828
2016203435	2015348102	2016307845	<u>G05B 15 /-</u>	<u>G06F 21 /-</u>	2018214005
<u>F23R 3 /-</u>	<u>G01D 5 /-</u>	2016350141	2015203209	2019204730	2018327287
2016203435	2018286580	2017315603	<u>G05D 1 /-</u>	<u>G06F 3 /-</u>	<u>G06T 7 /-</u>
<u>F24F 13 /-</u>	<u>G01E 19 /-</u>	2018226408	<u>G05D 7 /-</u>	2016224180	2018282302
2018242879	2019204200	2018230346	<u>G05D 11 /-</u>	2018268991	2018327287
<u>F24F 3 /-</u>	<u>G01G 17 /-</u>	2018355588	<u>G05D 7 /-</u>	2019202429	2018330066
2016288607	2015258770	<u>G01R 19 /-</u>	<u>G06E 1 /-</u>	2019203576	2019257323
<u>F25B 25 /-</u>	<u>G01H 9 /-</u>	<u>G01R 21 /-</u>	<u>G06F 1 /-</u>	2020220096	<u>G07D 7 /-</u>
2015293892	2019204200	2015234297	<u>G06F 9 /-</u>	<u>G06F 9 /-</u>	2016223450
<u>F25B 5 /-</u>	<u>G01J 9 /-</u>	2019202234	2016224176	2016224180	<u>G07F 17 /-</u>
2015293892	2015265695	<u>G01R 19 /-</u>	2016224180	2018209079	2018256497
<u>F25D 23 /-</u>	<u>G01L 13 /-</u>	<u>G01R 31 /-</u>	2018257221	2018257221	<u>G07F 7 /-</u>
2019283768	2018372341	2017374968	<u>G06K 17 /-</u>	<u>G06K 17 /-</u>	2016335016
<u>F25D 25 /-</u>	<u>G01M 7 /-</u>	<u>G01S 13 /-</u>	2020201578	2020201578	2017290567
2019283768	2019204200	2015234297	<u>G06K 19 /-</u>	<u>G06K 19 /-</u>	<u>G08B 17 /-</u>
<u>F16C 33 /-</u>	<u>F25J 1 /-</u>	2019202234	2016223450	2016223450	2018236753
2017351649	2018226977	<u>G01R 21 /-</u>	<u>G06K 7 /-</u>	<u>G06K 7 /-</u>	<u>G09B 25 /-</u>
<u>F16G 1 /-</u>	<u>F26B 11 /-</u>	2017374968	<u>G06K 9 /-</u>	<u>G06K 9 /-</u>	2014202959
2018230924	2015349602	<u>G01R 31 /-</u>	<u>G06K 9 /-</u>	<u>G06K 9 /-</u>	<u>G09B 9 /-</u>
<u>F16H 55 /-</u>	<u>F26B 17 /-</u>	2017374968	2018282302	2019257323	2018274474
2018230924	2015349602	<u>G01S 13 /-</u>	2019257323	<u>G06N 99 /-</u>	<u>G09F 21 /-</u>
<u>F16H 7 /-</u>	<u>F26B 21 /-</u>	2016373312	<u>G06N 99 /-</u>	2015252051	2018237580
2018230924	2015349602	<u>G01S 17 /-</u>	<u>G06Q 10 /-</u>	<u>G06F 11 /-</u>	<u>G09F 9 /-</u>
<u>F16L 15 /-</u>	<u>F26B 23 /-</u>	2018282302	2015312720	2018209079	2015312720
2018268498	2016203435	<u>G01S 5 /-</u>	<u>G10K 11 /-</u>	2018226442	<u>G10K 11 /-</u>
<u>F16L 3 /-</u>	<u>F28D 15 /-</u>	2017276404	2019202032	2019201857	2015247494
2015275725	2018258497	<u>G01S 7 /-</u>	2019222960	2019222960	
<u>F16L 47 /-</u>	<u>F41A 21 /-</u>	2015247494			
2019202694	2015348102	2016373312			
<u>F16L 59 /-</u>	<u>F41A 33 /-</u>	2018282302			
2017207903	2018274474	2018282302			
<u>F21V 33 /-</u>	<u>F41G 3 /-</u>				
2016288607	2018274474				
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<u>F22B 1 /-</u>	<u>F42B 8 /-</u>				
2016203435	2018274474				
<u>F23K 1 /-</u>	<u>G01C 21 /-</u>				
2016203435	2015348102				
<u>F23R 3 /-</u>	<u>G01D 5 /-</u>				
2016203435	2018286580				
<u>F24F 13 /-</u>	<u>G01E 19 /-</u>				
2018242879	2019204200				
<u>F24F 3 /-</u>	<u>G01G 17 /-</u>				
2016288607	2015258770				
<u>F25B 25 /-</u>	<u>G01H 9 /-</u>				
2015293892	2019204200				
<u>F25B 5 /-</u>	<u>G01J 9 /-</u>				
2015293892	2015265695				
<u>F25D 23 /-</u>	<u>G01L 13 /-</u>				
2019283768	2018372341				
<u>F25D 25 /-</u>	<u>G01M 7 /-</u>				
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2017405291	H02J 3 /-	2019200710	H04W 64 /-
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2018241137	H02M 3 /-	H04L 29 /-	H04W 72 /-
G10L 21 /-	2016374646	2018214159	2016246225
2017405291	2018263420	2018268991	2016350129
2020200340	H02M 7 /-	2018304716	2017315445
G10L 25 /-	2018263420	2019275648	2017333197
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G11B 20 /-	2018227938	H04L 5 /-	2017276404
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G16H 20 /-	2020200456	2017264510	2016298481
2018250385	H03M 13 /-	2017310955	H05H 3 /-
G16H 50 /-	2018226442	2017315445	2015237963
2018214120	2018305459	H04L 7 /-	H05K 1 /-
G21C 3 /-	H04B 1 /-	2019275571	2019201725
2015374124	2016350129	H04L 9 /-	H05K 3 /-
G21G 1 /-	2019275571	2015337278	2018374635
2015330089	H04B 5 /-	2018304716	H05K 7 /-
H01B 17 /-	2016213795	2019202032	2018258497
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H01J 40 /-	2015397225	H04N 19 /-	2019201725
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H01L 27 /-	H04J 13 /-	2018282302	
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H01L 29 /-	2019200710	2015337278	
2019246788	H04L 1 /-	2017290878	
H01L 31 /-	2017315445	2018253561	
2015279725	2018268991	2019275648	
2018227889	2018328362	H04W 24 /-	
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H01Q 1 /-	2018268991	2017276404	
2016223450	2019240555	2017386984	
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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 (11) AU-B-2020101715
 (21) 2020101715 (22) 07.08.2020
 (54) Avatar creation user interface
 (51) Int. Cl.
 G06F 3/048 (2013.01)
 H04N 21/431 (2011.01)
 (45) 15.10.2020
 (62) 2020100675
 (72) Van Os, Marcel; Rickwald, Jason; Dye, Alan C.; Guzman, Aurelio; Scapel, Nicolas V.; Wilson, Christopher I.; Behzadi, Arian; Romney, Chris; Yerkes, Giancarlo; Barlier, Guillaume Pierre André; Gardner, JD; Forssell, Lisa K.; Garcia III, Robert
 (74) FPA Patent Attorneys Pty Ltd

(51) Int. Cl.
 B65D 75/04 (2006.01)
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 (45) 15.10.2020
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 (72) Scott, Melanie
 (74) Kevin Ashby

(71) Campbell, R.; Hayes, K.
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 (21) 2020100168 (22) 01.02.2020
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 (72) Campbell, Robert Kenneth; Hayes, Kerry
 (74) FB Rice Pty Ltd

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 (11) AU-B-2020100730
 (21) 2020100730 (22) 08.05.2020
 (54) STACKABLE PRODUCE CONTAINER AND RETAINER THEREFORE
 (51) Int. Cl.
 B65D 21/024 (2006.01)
 B65D 6/04 (2006.01)
 B65D 6/08 (2006.01)
 B65D 21/032 (2006.01)
 B65D 85/34 (2006.01)
 (31) 2020900151 (32) 20.01.20 (33) AU
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 (45) 15.10.2020
 (72) SCOTT, Alastair
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

Hayes, K. see Campbell, R.
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2014331754	2014339904	2014348676	2014357328
2014360198	2014367398	2014401666	2014411407
2015202905	2015203840	2015205809	2015206597
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2017101888	2018102185	2019101742	2019101747
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Innovation Patents

2019101748	2019101749	2020101589	2020101844
2020101942	2020102018	2020102049	2020102055
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2020102172	2020102174	2020102175	2020102177
2020102178	2020102179	2020102180	2020102182
2020102183	2020102184	2020102185	2020102186

Assignments Registered

2001021330	Glaxo Group Limited	The patent has been assigned to Dermavant Sciences GmbH
2003245498	Virox Technologies Inc.	The patent has been assigned to Di-versey, Inc.
2003302067	Virox Technologies Inc.	The patent has been assigned to Di-versey, Inc.
2006280225	j2 Global IP Limited	The patent has been assigned to J2 Global Ireland Limited
2007204184	j2 Global IP Limited	The patent has been assigned to J2 Global Ireland Limited
2007294575	MedImmune, LLC	The patent has been assigned to Viela Bio, Inc.
2009299085	Virox Technologies Inc.	The patent has been assigned to Di-versey, Inc.
2012203210	j2 Global IP Limited	The patent has been assigned to J2 Global Ireland Limited
2012323316	MedImmune, LLC	The patent has been assigned to Viela Bio, Inc.
2013327099	Intellectual Property Holdings, LLC	The patent has been assigned to Team Wendy, LLC
2014342635	Intellectual Property Holdings, LLC	The patent has been assigned to Team Wendy, LLC
2015329937	KATHREIN SE	The patent has been assigned to Telefonaktiebolaget LM Ericsson (Publ)
2016218738	Beijing Dabeinong Biotechnology Co., Ltd.; Beijing Dabeinong Technology Group Co., Ltd.	The patent has been assigned to Beijing Dabeinong Biotechnology Co., Ltd.
2016218739	Beijing Dabeinong Technology Group Co., Ltd.; Beijing Dabeinong Biotechnology Co., Ltd.	The patent has been assigned to Beijing Dabeinong Biotechnology Co., Ltd.
2016218740	Beijing Dabeinong Biotechnology Co., Ltd.; Beijing Dabeinong Technology Group Co., Ltd.	The patent has been assigned to Beijing Dabeinong Biotechnology Co., Ltd.

Assignments Registered

2016351091 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2016351177 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2016352206 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

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2018347191 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

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2018347193 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2018348317 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2018348318 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

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2018348322 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2018348327 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2019204019 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

2020201662 Alibaba Group Holding Limited The patent has been assigned to **Advanced New Technologies Co., Ltd.**

Mortgages Registered - Section 187, Reg. 19

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

2001249215 Weatherford Artificial Lift Systems, Inc. (BTA Institutional Services Australia Limited)

2007202785 Weatherford Switzerland Trading & Development GmbH (BTA Institutional Services Australia Limited)

2008202508 Precision Energy Services, Inc. (BTA Institutional Services Australia Limited)

2014232153 Hunan Skyworld Biotechnologies Co. (HAO, X.)

2014259558 Weatherford/Lamb, Inc. (BTA Institutional Services Australia Limited)

2016246603 Hunan SkyWorld Biotechnologies Co. Ltd (HAO, X.)

2016267091 Hunan SkyWorld Biotechnologies Co. Ltd (HAO, X.)

2018202100 Weatherford U.K. Limited (BTA Institutional Services Australia Limited)

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Extensions granted

The following application(s) for Extension of Term have been granted under Section 76.

2003274766 **SK Bioscience Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 13 Apr 2017

For the goods AFSTYLA Ionococog alfa (rch)

Extension of Term of patent pursuant to Section 77 expires on 27 Oct 2028

2017268621 **ViiV Healthcare Company**

The earliest first regulatory approval date provided by the patentee 12 Sep 2019

For the goods DOVATO 50/300 dolutegravir

Extension of Term of patent pursuant to Section 77 expires on 12 Sep 2034

Corrigenda

In Vol 34 , No 2 , Page(s) 285 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Shandong Danhong Pharmaceutical Co., Ltd., Application No.2018279669, under INID (72) correct the co-inventor Chen, Shuhui

In Vol 34 , No 21 , Page(s) 3028 under the heading **Applications Accepted - Name Index** Under the name Shandong Danhong Pharmaceutical Co., Ltd., Application No.2018279669, under INID (72) correct the co-inventor Chen, Shuhui

In Vol 34 , No 37 , Page(s) 5245 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Minerva Biotechnologies Corporation., Application No. 2019225237, under INID (54) correct the title to read Diagnostic methods using anti-MUC1* antibodies

In Vol 34 , No 40 , Page(s) 5604 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2015** Delete all reference to 2015282418.

In Vol 34 , No 40 , Page(s) 5611 under the heading **Amendments - Application for Amendments** Under the name The NOCO Company, Patent Application No. 2020201223 correct the date of the statements filed to read 3 Aug 2020 and 21 Aug 2020

Specifications Republished

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

2015291458 **Linde Aktiengesellschaft**
2016283557 **Alteogen, Inc.**
2017358961 **Schenck Process Europe GmbH**