



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

<p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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## Arrangement of Information in the Journal

For each of the categories

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

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

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

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

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

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

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 10 Nov 2020 .

<p>(71) AFFINITY BIOSCIENCES PTY LTD (21) 2020904078 (22) 09.11.2020 (54) Binding agents for PRAME peptide-MHC complex</p>	<p>PRODUCING ELECTRICAL POWER GENERATION FROM SAID GENERATOR ARRANGEMENT</p>	<p>(71) Cripps Clark, J. (21) 2020904085 (22) 09.11.2020 (54) Digital tracing of assets of regulatory and/or significant sovereign interest including cross jurisdiction transfers of diverse types of value using emerging digital processing technologies including higher resolution jurisdiction or regulated account custodian managed identifications, globally meaningful time stamping and regulated coordination of block chain processing that increasingly enables system participants to more conveniently manage their interests within well-controlled supervised environments.</p>
<p>(71) AmPro Innovations Pty Ltd (21) 2020904097 (22) 10.11.2020 (54) Apparatus for Direct Metal Deposition Additive Manufacturing</p>	<p>(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2020904077 (22) 09.11.2020 (54) AN IMBALANCED WHEEL APPARATUS AND AN IMBALANCED WHEEL ARRANGEMENT</p>	
<p>(71) Auckland University of Technology (AUT) (21) 2020904100 (22) 10.11.2020 (54) An Improved Device and Process for Biopotential Signal Measurement Using Modulation</p>	<p>CLIFFORD, N.J. see CLIFFORD, P.J. (21) 2020904114</p>	
<p>(71) Auckland University of Technology (AUT) (21) 2020904102 (22) 10.11.2020 (54) An Improved Biopotential Sensor Device and Method Using Controlled Amplification</p>	<p>(71) CLIFFORD, P.J.; CLIFFORD, N.J.; HACK, D.J. (21) 2020904114 (22) 10.11.2020 (54) Growing Organisms</p>	<p>(71) David Leslie Ratcliff (21) 2020904135 (22) 11.11.2020 (54) Double Skin Internal Web Column</p>
<p>(71) Auckland University of Technology (AUT) (21) 2020904103 (22) 10.11.2020 (54) A Biopotential Capture Sensor, Device and Process with Air Gap Rejection</p>	<p>(71) Cofune, R. (21) 2020904123 (22) 11.11.2020 (54) A DIGITAL MEDIA STORAGE UNIT ARRANGEMENT ADAPTED FOR ATTACHMENT TO A CENTRE SECTION OF A PHONOGRAPH RECORD</p>	<p>(71) Difingo, Inc. (21) 2020904133 (22) 11.11.2020 (54) Modular Displays</p>
<p>(71) Bai, Y. (21) 2020904110 (22) 10.11.2020 (54) Remote Wellness Monitoring Using Tactile User Interfaces &amp; Automated Telephonic Feedback.</p>	<p>(71) Coleman, H. (21) 2020904068 (22) 07.11.2020 (54) Child Safe Grate</p>	<p>(71) DIMER TECHNOLOGIES PTY. LTD. (21) 2020904141 (22) 12.11.2020 (54) A process and plant for producing high purity hydrogen from pure hydrogen gas</p>
<p>(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2020904075 (22) 09.11.2020 (54) AN IMPROVED RENEWABLE ELECTRICAL POWER GENERATOR ARRANGEMENT AND A METHOD OF</p>	<p>(71) Commonwealth Bank of Australia (21) 2020904086 (22) 09.11.2020 (54) Systems and methods for reducing unwarranted transaction refusals</p>	<p>(71) Dyno Nobel Asia Pacific Pty Limited (21) 2020904099 (22) 10.11.2020 (54) Systems and methods for determining water depth and explosive depth in blastholes</p>
	<p>(71) Conway, D. (21) 2020904096 (22) 10.11.2020 (54) Fondant Press</p>	<p>(71) Dyno Nobel Asia Pacific Pty Limited (21) 2020904106 (22) 10.11.2020 (54) End of hose mixing systems and methods</p>

Provisional Applications Filed - Name Index cont'd

(71) Ecochem Australia Pty Ltd  
(21) 2020904107 (22) 10.11.2020  
(54) SYSTEMS AND METHODS FOR AUTOMATICALLY CLEANING CONVERTERS WITH HEATED FLUIDS

(71) Ensen Pty Ltd  
(21) 2020904115 (22) 10.11.2020  
(54) SYNTHETIC METAL SYSTEM

(71) EW Turbines Pty Ltd  
(21) 2020904105 (22) 10.11.2020  
(54) Vertical axis wind turbine

(71) Gardner, A.  
(21) 2020904073 (22) 09.11.2020  
(54) Household waste and recycling system and method.

(71) Griffith University  
(21) 2020904087 (22) 09.11.2020  
(54) Entry-modulating agents and uses therefor

**HACK, D.J. see CLIFFORD, P.J.**  
(21) 2020904114

(71) Hookey, S.  
(21) 2020904104 (22) 10.11.2020  
(54) A MODULAR ELECTRICITY GENERATION SYSTEM

**Hudson Institute of Medical Research see Wolf Biotherapeutics Pty Ltd**  
(21) 2020904079

**Hurt, J. see Hurt, B.**  
(21) 2020904081

(71) Hurt, B.; Hurt, J.  
(21) 2020904081 (22) 09.11.2020  
(54) A pump head

(71) Iavilaer Pty Ltd  
(21) 2020904112 (22) 10.11.2020  
(54) Construction of a lift shaft or stair core

(71) Inta Liminal Pty Ltd  
(21) 2020904126 (22) 11.11.2020  
(54) WORK STATION

(71) Intelligas Technology Developments Pty Ltd  
(21) 2020904128 (22) 11.11.2020  
(54) High-point vent system

(71) InterK Peptide Therapeutics Limited  
(21) 2020904088 (22) 09.11.2020  
(54) POLYPEPTIDES AND METHODS FOR IMPROVING SKIN CONDITIONS

(71) InterK Peptide Therapeutics Limited  
(21) 2020904094 (22) 10.11.2020  
(54) POLYPEPTIDES AND METHODS FOR IMPROVING SKIN CONDITIONS

(71) IP Reserve Pty Ltd  
(21) 2020904119 (22) 11.11.2020  
(54) A FENCING SPIGOT

(71) Killara IP Pty Ltd  
(21) 2020904070 (22) 08.11.2020  
(54) Combination Valve Unit

(71) Kula, K.  
(21) 2020904072 (22) 09.11.2020  
(54) Disposable eating utensils

(71) Lees, C.  
(21) 2020904125 (22) 10.11.2020  
(54) Campezy

(71) Lendlease Digital IP Pty Limited  
(21) 2020904092 (22) 09.11.2020  
(54) Building system and method of construction

(71) Lumachain Pty Ltd  
(21) 2020904140 (22) 12.11.2020  
(54) Method and system for compliance monitoring

(71) MAMMOTH INDUSTRIES PTY LTD  
(21) 2020904121 (22) 11.11.2020  
(54) SOFT CLOSER ADJUSTMENT MECHANISM FOR A SLIDING PANEL INSTALLATION

(71) MELLO EYEWEAR PTY LTD  
(21) 2020904069 (22) 08.11.2020  
(54) Recycled ocean plastic ballpoint pen. We have invented a ballpoint pen from recycled ocean plastics which have been bound together using a unique blend of virgin plastic polymers.

**Monash University see Wolf Biotherapeutics Pty Ltd**  
(21) 2020904079

(71) NewSouth Innovations Pty Limited  
(21) 2020904129 (22) 11.11.2020  
(54) A process for converting flexible printed circuit boards to useful materials

(71) Nicflex Manufacturing Pty Ltd  
(21) 2020904111 (22) 10.11.2020  
(54) A FIREPROOF DOOR JAMB, A DOOR FRAME INCLUDING THE DOOR JAMB, AND A METHOD OF FORMING THE DOOR FRAME

(71) Nomad Tackle Pty Ltd  
(21) 2020904095 (22) 10.11.2020  
(54) LURE FOR FISHING

(71) Optrix Pty Limited  
(21) 2020904093 (22) 10.11.2020  
(54) Systems and methods for optimised rendering

(71) Phillips, S.  
(21) 2020904089 (22) 09.11.2020  
(54) Improved Project Management Visualisation Method

(71) Preston, J.  
(21) 2020904074 (22) 09.11.2020  
(54) Controlled delivery of reticulated liquids

(71) Project Initiation & Facilitation Pty Ltd  
(21) 2020904067 (22) 07.11.2020  
(54) A methodology to reduce time it takes on-site to install other types of concrete columns rather than precast columns or tubular columns using a pour down approach. To achieve this a transporter system is used by which Permanent Works for columns are conveyed into their final installation positioning by Temporary Works and other equipment. The column reinforcement cage and formwork comprise the Permanent Works. Soldiers, walers and standard-type falsework comprise the Temporary Works. The other equipment is comprised of lowering Devices for the column formwork, castors and special connectors.

(71) Prok Conveyor Components Pty Ltd  
(21) 2020904091 (22) 09.11.2020  
(54) IMPROVEMENTS IN OR RELATING TO CONVEYOR BELT SYSTEMS

(71) QUANT PROPERTY SOLUTIONS AUSTRALIA PTY. LTD.  
(21) 2020904124 (22) 11.11.2020  
(54) SYSTEM AND METHOD FOR FINDING AN OPTIMAL REAL ESTATE AGENT OR AGENCY

(71) QUEENSLAND UNIVERSITY OF TECHNOLOGY  
(21) 2020904090 (22) 09.11.2020  
(54) DEVICE, METHOD AND SYSTEM FOR BIOLOGICALLY BALANCED LIGHTING

## Provisional Applications Filed - Name Index cont'd

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(71) Rawlings, K.  
(21) 2020904080 (22) 09.11.2020  
(54) SYSTEM AND METHOD FOR  
PROVIDING AN INTERACTIVE, CLUE-  
BASED WORD PUZZLE

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(71) Rawlings, K.  
(21) 2020904082 (22) 09.11.2020  
(54) SYSTEM AND METHOD FOR  
PROVIDING AN INTERACTIVE,  
JUMBLED-LETTER WORD PUZZLE

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(71) RMIT University  
(21) 2020904109 (22) 10.11.2020  
(54) Systems and methods for data storage  
and processing

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(71) Sarah McKeown  
(21) 2020904108 (22) 10.11.2020  
(54) An interchangeable educational and/or  
recreational assembly

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(71) THE TECH2 GROUP PTY LTD  
(21) 2020904116 (22) 10.11.2020  
(54) Power Sensor

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(71) The University of Queensland  
(21) 2020904127 (22) 11.11.2020  
(54) Treatment of bauxite residue

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(71) Toole, A.  
(21) 2020904113 (22) 10.11.2020  
(54) PetConnect

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(71) Trihey, A.  
(21) 2020904101 (22) 10.11.2020  
(54) SWHEBE 4 - Storage Water Heater  
Electric Boosting Element 4

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(71) Tutureski, S.  
(21) 2020904076 (22) 09.11.2020  
(54) A hydrostatic potential to kinetic energy  
conversion system

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(71) University of South Australia  
(21) 2020904084 (22) 09.11.2020  
(54) DIAGNOSTIC PLATFORM

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(71) Wolf Biotherapeutics Pty Ltd; Monash  
University; Hudson Institute of Medical  
Research  
(21) 2020904079 (22) 09.11.2020  
(54) IL-38 variants

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(71) Woodward, J.D.  
(21) 2020904098 (22) 10.11.2020  
(54) METHOD FOR DETERMINING A TAX-  
ATION LIABILITY

Numerical Index

2020904067	Project Initiation & Facilitation Pty Ltd
2020904068	Coleman, H.
2020904069	MELLO EYEWEAR PTY LTD
2020904070	Killara IP Pty Ltd
2020904072	Kula, K.
2020904073	Gardner, A.
2020904074	Preston, J.
2020904075	BLUEGREEN POWER TECHNOLOGIES PTY. LTD.
2020904076	Tutureski, S.
2020904077	BLUEGREEN POWER TECHNOLOGIES PTY. LTD.
2020904078	AFFINITY BIOSCIENCES PTY LTD
2020904079	Wolf Biotherapeutics Pty Ltd; Monash University; Hudson Institute of Medical Research
2020904080	Rawlings, K.
2020904081	Hurt, B.; Hurt, J.
2020904082	Rawlings, K.
2020904084	University of South Australia
2020904085	Cripps Clark, J.
2020904086	Commonwealth Bank of Australia
2020904087	Griffith University
2020904088	InterK Peptide Therapeutics Limited
2020904089	Phillips, S.
2020904090	QUEENSLAND UNIVERSITY OF TECHNOLOGY
2020904091	Prok Conveyor Components Pty Ltd
2020904092	Lendlease Digital IP Pty Limited
2020904093	Optrix Pty Limited
2020904094	InterK Peptide Therapeutics Limited
2020904095	Nomad Tackle Pty Ltd
2020904096	Conway, D.
2020904097	AmPro Innovations Pty Ltd
2020904098	Woodward, J.D.
2020904099	Dyno Nobel Asia Pacific Pty Limited
2020904100	Auckland University of Technology (AUT)
2020904101	Trihey, A.
2020904102	Auckland University of Technology (AUT)
2020904103	Auckland University of Technology (AUT)
2020904104	Hookey, S.
2020904105	EW Turbines Pty Ltd
2020904106	Dyno Nobel Asia Pacific Pty Limited
2020904107	Ecochem Australia Pty Ltd
2020904108	Sarah McKeown
2020904109	RMIT University
2020904110	Bai, Y.
2020904111	Nicflex Manufacturing Pty Ltd
2020904112	Iavilaer Pty Ltd
2020904113	Toole, A.
2020904114	CLIFFORD, P.J.; CLIFFORD, N.J.; HACK, D.J.
2020904115	Ensen Pty Ltd
2020904116	THE TECH2 GROUP PTY LTD
2020904119	IP Reserve Pty Ltd
2020904121	MAMMOTH INDUSTRIES PTY LTD
2020904123	Cofune, R.
2020904124	QUANT PROPERTY SOLUTIONS AUSTRALIA PTY. LTD.
2020904125	Lees, C.
2020904126	Inta Liminal Pty Ltd
2020904127	The University of Queensland
2020904128	Intelligas Technology Developments Pty Ltd
2020904129	NewSouth Innovations Pty Limited
2020904133	Difingo, Inc.
2020904135	David Leslie Ratcliff
2020904140	Lumachain Pty Ltd
2020904141	DIMER TECHNOLOGIES PTY. LTD.

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 10 Nov 2020 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) AbbVie Ireland Unlimited Company (21) 2020264358 (22) 05.11.2020 (54) Anti-viral compounds (62) 2019201940</p> <hr/>	<p>(71) Allergan, Inc. (21) 2020267145 (22) 09.11.2020 (54) Two part formulation system for ophthalmic delivery (62) 2019203069</p> <hr/>	<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020264417 (22) 06.11.2020 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROL-LER (62) 2019200495</p> <hr/>	
<p>(71) Able High International Ltd (21) 2020264368 (22) 06.11.2020 (54) Edge forming in thermoplastics (62) 2016228295</p> <hr/>	<p>(71) Alphagen NZ Limited (21) 2020267164 (22) 09.11.2020 (54) Compositions including pine bark extract, berryfruit extract and/or a source of L-theanine and uses thereof. (62) 2018370381</p> <hr/>	<p>(71) AstraZeneca AB (21) 2020267165 (22) 10.11.2020 (54) COMBINATION TREATMENT (31) 63/067,388 (32) 19.08.20 (33) US</p> <hr/>	
<p>(71) Acerus Biopharma Inc. (21) 2020264363 (22) 05.11.2020 (54) INTRANASAL LOWER DOSAGE STRENGTH ESTOSTERONE GEL FORMULATIONS AND USE THEREOF FOR TREATING ANORGASMIA OR HYPOACTIVE SEXUAL DESIRE DIS-ORDER (62) 2019203066</p> <hr/>	<p>(71) Amgen Inc. (21) 2020267147 (22) 09.11.2020 (54) Flocculation method (62) 2018204547</p> <hr/>	<p>(71) Auckland UniServices Limited (21) 2020264313 (22) 04.11.2020 (54) MULTI POWER SOURCED ELECTRIC VEHICLE (62) 2019200059</p> <hr/>	
<p>(71) Acerus Pharmaceuticals SRL (21) 2020267162 (22) 09.11.2020 (54) CONTROLLED RELEASE NASAL TESTOSTERONE GELS, METHODS AND PRE-FILLED MULTI-DOSE APPLICATOR SYSTEMS FOR PERNAS-AL ADMINISTRATION (62) 2019203400</p> <hr/>	<p>(71) Amgen Inc. (21) 2020267169 (22) 10.11.2020 (54) Processes of making and crystalline forms of a MDM2 inhibitor (62) 2018260844</p> <hr/>	<p>(71) Aus Chairs Pty Ltd (21) 2020264418 (22) 07.11.2020 (54) Reinforcing Spacer (31) 2019904192 (32) 07.11.19 (33) AU</p> <hr/>	
<p>(71) ACO SEVERIN AHLMANN GMBH &amp; CO KOMMANDITGESSELLSCHAFT (21) 2020264307 (22) 04.11.2020 (54) Covering Device For a Slotted Channel (62) 2017322346</p> <hr/>	<p><b>Aortech Europe Ltd see Aortech Interna-tional PLC</b> (21) 2020264405</p> <hr/>	<p>(71) Autonomous Healthcare, Inc. (21) 2020264408 (22) 06.11.2020 (54) Hierarchical Adaptive Closed Loop Flu-id Resuscitation and Cardiovascular Drug Administration System (62) 2020213388</p> <hr/>	
<p>(71) AFINITI EUROPE TECHNOLOGIES LIMITED (21) 2020264261 (22) 02.11.2020 (54) TECHNIQUES FOR ESTIMATING EX-PECTED PERFORMANCE IN A TASK ASSIGNMENT SYSTEM (62) 2018206689</p> <hr/>	<p>(71) Aortech International PLC; Aortech Europe Ltd (21) 2020264405 (22) 06.11.2020 (54) Process for the preparation of poly-urethane solutions based on silic-on-polycarbonate diols (62) 2016274604</p> <hr/>	<p>(71) Autonomous Healthcare, Inc. (21) 2020264409 (22) 06.11.2020 (54) Hierarchical Adaptive Closed-Loop Flu-id Resuscitation and Cardiovascular Drug Administration System (62) 2020213388</p> <hr/>	
<p>(71) Alkermes Pharma Ireland Limited; Mor-ales Jr., W. (21) 2020264303 (22) 04.11.2020 (54) Crystallization process of aripiprazole derivatives in extended release formu-lations for treatment of schizophrenia (62) 2015306910</p> <hr/>	<p>(71) Apple Inc. (21) 2020264367 (22) 06.11.2020 (54) Contextual voice commands (62) 2018250484</p> <hr/>	<p>(71) b.box for kids developments Pty Ltd (21) 2020264389 (22) 06.11.2020 (54) Sippy cup (62) 2017418589</p> <hr/>	
<p>(71) Applied Medical Resources Corporation (21) 2020264274 (22) 03.11.2020 (54) Surgical stapler having actuation mech-anism with rotatable shaft (62) 2019204550</p> <hr/>	<p>(71) Applied Medical Resources Corporation (21) 2020264276 (22) 03.11.2020 (54) Surgical stapler with expandable jaw (62) 2018253587</p> <hr/>	<p>(71) Baxalta GmbH; Baxalta Incorporated (21) 2020264350 (22) 05.11.2020 (54) TREATMENT OF CENTRAL NERVOUS SYSTEM DISORDERS BY INTRANASAL ADMINISTRATION OF IMMUNOGLOBULIN G (62) 2018260883</p> <hr/>	
			<p><b>Baxalta Incorporated see Baxalta GmbH</b> (21) 2020264350</p>

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<p>(71) Bedgear, LLC (21) 2020264306 (22) 04.11.2020 (54) Ambient Bed Having a Heat Reclaim System (62) 2018278875</p>	<p>(71) Buffalo Filter LLC (21) 2020260420 (22) 27.10.2020 (54) Method and apparatus for attachment and evacuation (62) 2016370636</p>	<p>(54) SYSTEM AND METHOD FOR MONITORING WATER INRUSH (31) 201911347814.1 (32) 24.12.19 (33) CN</p>
<p>(71) BENSON RESTORATION &amp; RE-CONSTRUCTION INSURANCE WORKS PTY LTD (21) 2020264295 (22) 03.11.2020 (54) Pool Alarm System Sensor</p>	<p>(71) Canon Kabushiki Kaisha (21) 2020260580 (22) 30.10.2020 (54) Rotational force transmitting part (62) 2019268126</p>	<p>(71) Citizen Science Limited (21) 2020264280 (22) 03.11.2020 (54) MODULAR ELECTRONIC APPARATUS (31) 2019904138 (32) 04.11.19 (33) AU</p>
<p>(71) BGC Partners, Inc (21) 2020264396 (22) 06.11.2020 (54) SYSTEM AND METHOD FOR MANAGING RELATIONSHIPS BETWEEN BROKERS AND TRADERS USING A MESSAGING FORMAT (62) 2018260840</p>	<p>(71) Canva Pty Ltd. (21) 2020260558 (22) 30.10.2020 (54) System and method for content driven design generation</p>	<p>(71) CMR Surgical Limited (21) 2020267153 (22) 09.11.2020 (54) Electrosurgical connection unit (62) 2019227859</p>
<p>(71) Biosense Webster (Israel) Ltd. (21) 2020267161 (22) 09.11.2020 (54) Double bipolar configuration for atrial fibrillation annotation (62) 2019202318</p>	<p>(71) Captive-Aire Systems, Inc. (21) 2020260576 (22) 30.10.2020 (54) Rooftop exhaust system with automatic motor lockout (31) 16/696,054 (32) 26.11.19 (33) US</p>	<p>(71) Compugen Ltd. (21) 2020264349 (22) 05.11.2020 (54) Anti-PVRIG antibodies and methods of use (62) 2016219835</p>
<p>(71) Bioverativ Therapeutics Inc. (21) 2020264355 (22) 05.11.2020 (54) Factor VIII complex with XTEN and von Willebrand factor protein, and uses thereof (62) 2018203206</p>	<p>(71) Captive-Aire Systems, Inc. (21) 2020260577 (22) 30.10.2020 (54) Exhaust fan assembly having a system for automatically opening a damper in the event of a power failure (31) 16/680,528 (32) 12.11.19 (33) US</p>	<p>(71) Corbin Clinical Resources, LLC (21) 2020264404 (22) 06.11.2020 (54) Apparatus, systems, and methods for planning and performing guided and free-handed transperineal prostate biopsies (62) 2019203558</p>
<p>(71) Birdie Biopharmaceuticals Inc (21) 2020267157 (22) 09.11.2020 (54) ANTI-PD-L1 COMBINATIONS FOR TREATING TUMORS (62) 2015286043</p>	<p>(71) Captive-Aire Systems, Inc. (21) 2020260578 (22) 30.10.2020 (54) Commercial kitchen fire suppression system having a pressurized canister containing a fire extinguishing agent which employs internal pressure to actuate the canister (31) 16/687,740 (32) 19.11.19 (33) US</p>	<p><b>Cornell Research Foundation, Inc. see University of Florida Research Foundation, Inc.</b> (21) 2020264347</p>
<p>(71) BIS Industries Limited (21) 2020260574 (22) 30.10.2020 (54) Improved Motor Grader (31) 2019904122 (32) 01.11.19 (33) AU 69/929,053 31.10.19 US</p>	<p>(71) Captive-Aire Systems, Inc. (21) 2020260579 (22) 30.10.2020 (54) Rooftop exhaust fan having a mechanism for locking the fan in an open position (31) 16/681,950 (32) 13.11.19 (33) US</p>	<p>(71) Dilong Drilling Services Pty Ltd (21) 2020264324 (22) 04.11.2020 (54) A DRILL</p>
<p>(71) Blindside Group Pty Ltd (21) 2020267152 (22) 09.11.2020 (54) Fitness equipment (31) 2019904241 (32) 11.11.19 (33) AU</p>	<p>(71) Caterpillar Global Mining Equipment LLC (21) 2020264382 (22) 06.11.2020 (54) TORQUE WRENCH ENGAGEMENT MECHANISM (31) 16/697,113 (32) 26.11.19 (33) US</p>	<p>(71) DISTRICT NORTH KITCHEN PTY LTD (21) 2020264264 (22) 02.11.2020 (54) Schnitzel Snack Pack, Schnitty Snack Pack, SSP</p>
<p>(71) Boehringer Ingelheim Animal Health USA Inc (21) 2020264341 (22) 05.11.2020 (54) Parasitocidal oral veterinary compositions comprising systemically-acting active agents, methods and uses thereof (62) 2019200201</p>	<p>(71) Caterpillar Inc. (21) 2020267159 (22) 09.11.2020 (54) Information processing method and system (62) 2015200993</p>	<p>(71) Dometic Sweden AB (21) 2020264299 (22) 04.11.2020 (54) Cover for a cooler (31) 2019110669857 (32) 04.11.19 (33) CN</p>
<p>(71) China University of Mining and Technology, Beijing; Wuhan Changsheng Mine Security Technology Limited (21) 2020267171 (22) 10.11.2020</p>	<p>(71) Donaldson Company, Inc. (21) 2020264345 (22) 05.11.2020 (54) Filter assemblies; components and features thereof; and, methods of use and assembly (62) 2019202262</p>	<p>(71) DRAEGER SAFETY AG &amp; CO. KGAA (21) 2020264328 (22) 04.11.2020 (54) HEAD PROTECTION SYSTEM (31) 102019008043.2 (32) 20.11.19 (33) DE</p>



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- (71) E. I. DU PONT DE NEMOURS AND COMPANY; PIONEER HI-BRED INTERNATIONAL, INC.  
 (21) 2020264325 (22) 04.11.2020  
 (54) PLANT GENOME MODIFICATION USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS AND METHODS OF USE  
 (62) 2014308896
- 
- (71) Eaton Intelligent Power Limited  
 (21) 2020264348 (22) 05.11.2020  
 (54) CABLE TRAY HOLD-DOWN  
 (31) 62/932,325 (32) 07.11.19 (33) US
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- (71) Eberhard Karls Universitaet Tuebingen Medizinische Fakultae  
 (21) 2020264302 (22) 04.11.2020  
 (54) Recombinant Orf virus vector  
 (62) 2016294855
- 
- (71) Elekta, Inc.  
 (21) 2020264304 (22) 04.11.2020  
 (54) ADAPTIVE RADIOTHERAPY SYSTEM  
 (62) 2018330066
- 
- (71) ESCO Group LLC  
 (21) 2020264339 (22) 05.11.2020  
 (54) Monitoring ground-engaging products from earth working equipment  
 (62) 2019201394
- 
- (71) Ethicon LLC  
 (21) 2020264265 (22) 02.11.2020  
 (54) Devices for wound closure  
 (62) 2015409656
- 
- (71) F. Hoffmann-La Roche AG  
 (21) 2020264337 (22) 05.11.2020  
 (54) Antigen binding molecules comprising a TNF family ligand trimer  
 (62) 2015345024
- 
- (71) FERNO-WASHINGTON, INC.  
 (21) 2020264407 (22) 06.11.2020  
 (54) Cot fastening system having a crash stable, cot fastener track and method of affixing an emergency cot thereto  
 (62) 2020202388
- 
- (71) Fisher & Paykel Healthcare Limited  
 (21) 2020267173 (22) 10.11.2020  
 (54) BREATHING ASSISTANCE APPARATUS  
 (62) 2018220029
- 
- (71) Fusion Holdings Ltd  
 (21) 2020264310 (22) 04.11.2020  
 (54) SYSTEMS AND METHODS FOR PREDICTING ASPECTS OF AN UNKNOWN EVENT  
 (31) 1916286.6 (32) 08.11.19 (33) GB
- 
- (71) Genzyme Corporation  
 (21) 2020264316 (22) 04.11.2020  
 (54) Assays for detecting the presence or amount of an anti-drug antibody  
 (62) 2015217261
- 
- (71) Geron Corporation  
 (21) 2020267142 (22) 09.11.2020  
 (54) Use of Telomerase Inhibitors for the Treatment of Myeloproliferative Disorders and Myeloproliferative Neoplasms  
 (62) 2018282364
- 
- (71) Ghayur, M.  
 (21) 2020264271 (22) 03.11.2020  
 (54) Process for producing ethylene  
 (31) 2019904137 (32) 03.11.19 (33) AU
- 
- (71) Gilead Pharmasset LLC  
 (21) 2020264335 (22) 05.11.2020  
 (54) Processes for preparing antiviral compounds  
 (62) 2018204886
- 
- (71) Gilead Sciences, Inc.  
 (21) 2020264300 (22) 04.11.2020  
 (54) HIV Inhibitor Compounds  
 (62) 2018215546
- 
- (71) Gleim Conferencing, LLC  
 (21) 2020264311 (22) 04.11.2020  
 (54) SYSTEM AND METHOD FOR VALIDATING TEST TAKERS  
 (62) 2014373892
- 
- (71) Greeneden U.S. Holdings II, LLC  
 (21) 2020264378 (22) 06.11.2020  
 (54) Adaptable business objective routing for a contact center  
 (62) 2018256515
- 
- (71) Groupon, Inc.  
 (21) 2020267155 (22) 09.11.2020  
 (54) Method and apparatus for electronic transactions based on a reply message  
 (62) 2018260974
- 
- (71) Grünenthal GmbH  
 (21) 2020264314 (22) 04.11.2020  
 (54) Salts or co-crystals of 3-(3-dimethylamino-1-ethyl-2-methyl-propyl)-phenol  
 (62) 2020202700
- 
- (71) Guangzhou Eachmax Technology Co., Ltd.  
 (21) 2020264361 (22) 05.11.2020
- 
- (54) PAID INTERACTION METHOD AND SYSTEM FOR PRECISE SEARCH, TERMINAL AND STORAGE MEDIUM  
 (31) 20191111170.6 (32) 13.11.19 (33) CN
- 
- (71) Guardant Health, Inc.  
 (21) 2020264326 (22) 04.11.2020  
 (54) Detection and treatment of disease exhibiting disease cell heterogeneity and systems and methods for communicating test results  
 (62) 2015374259
- 
- (71) Haldor Topsoe A/S  
 (21) 2020264359 (22) 05.11.2020  
 (54) Thermolytic fragmentation of sugars  
 (62) 2017285260
- 
- (71) Halliburton Energy Services, Inc.  
 (21) 2020264321 (22) 04.11.2020  
 (54) Releasable connection mechanism for use within a well  
 (62) 2017272167
- 
- (71) HandyLab, Inc.  
 (21) 2020264323 (22) 04.11.2020  
 (54) PROCESSING POLYNUCLEOTIDE-CONTAINING SAMPLES  
 (62) 2018200698
- 
- Hiroshima University see Kyushu University, National University Corporation**  
 (21) 2020264412
- 
- (71) Homewood, D.  
 (21) 2020264263 (22) 02.11.2020  
 (54) SURFBOARD CARRIER
- 
- (71) Honeywell International Inc.  
 (21) 2020260566 (22) 30.10.2020  
 (54) Plant-wide optimization including batch operations  
 (31) 62/927,883 (32) 30.10.19 (33) US  
 62/928,047 30.10.19 US  
 62/928,306 30.10.19 US  
 17/084,480 29.10.20 US
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- (71) Honeywell International Inc.  
 (21) 2020260568 (22) 30.10.2020  
 (54) Plant-wide optimization including batch operations  
 (31) 62/927,883 (32) 30.10.19 (33) US  
 62/928,047 30.10.19 US  
 62/928,306 30.10.19 US  
 17/084,157 29.10.20 US
- 
- (71) Hoyle, C.  
 (21) 2020267156 (22) 09.11.2020  
 (54) A Separator  
 (31) S2019/0190 (32) 13.11.19 (33) IE

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- (71) Hussmann Corporation  
(21) 2020264293 (22) 03.11.2020  
(54) Case frame and door assembly for a merchandiser  
(62) 2016427789
- 
- (71) iBiquity Digital Corporation  
(21) 2020264376 (22) 06.11.2020  
(54) System and method for synchronous processing of analog and digital pathways in a digital radio receiver  
(62) 2016302609
- 
- (71) Icahn School of Medicine at Mount Sinai  
(21) 2020264332 (22) 04.11.2020  
(54) SYSTEMS AND METHODS FOR TREATING A PSYCHIATRIC DISORDER  
(62) 2015320698
- 
- (71) IMIDUS Technologies, Inc.  
(21) 2020264388 (22) 06.11.2020  
(54) Web integrated point-of-sale system  
(62) 2018204302
- 
- (71) Immatics Biotechnologies GmbH  
(21) 2020264365 (22) 06.11.2020  
(54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST VARIOUS CANCERS  
(62) 2016368433
- 
- (71) ImmunoGen, Inc.  
(21) 2020264270 (22) 03.11.2020  
(54) Anti-FOLR1 immunoconjugate dosing regimens  
(62) 2018278880
- 
- (71) Imprenditore Pty Limited  
(21) 2020267150 (22) 09.11.2020  
(54) Monitoring Apparatus and System  
(62) 2019200843
- 
- (71) Infestation Tracking Systems Pty. Ltd.  
(21) 2020264269 (22) 02.11.2020  
(54) TRACKING SYSTEM AND METHOD  
(62) 2018222957
- 
- (71) Institute of Geology and Geophysics, Chinese Academy of Sciences  
(21) 2020264385 (22) 06.11.2020  
(54) Electromagnetic exploration method using full-coverage anti-interference artificial source  
(31) 201911142349.8 (32) 20.11.19 (33) CN
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- (71) Institut National de la Recherche Agronomique; The Royal Institution for the Advancement of Learning/ McGill University  
(21) 2020260537 (22) 30.10.2020  
(54) Use of avermectin derivative for increasing bioavailability and efficacy of macrocyclic lactones  
(62) 2019204133
- 
- (71) Instrumentation Laboratory Company  
(21) 2020264289 (22) 03.11.2020  
(54) OPTICAL FLOW CELL APPARATUS AND METHOD FOR REDUCING DEFLECTION OF SAMPLE CHAMBER  
(62) 2018324422
- 
- (71) Inventio AG  
(21) 2020267149 (22) 09.11.2020  
(54) Improved access control using portable electronic devices  
(62) 2018264147
- 
- Iuliano, J. see Iuliano, T.**  
(21) 2020264296
- 
- (71) Iuliano, T.; Iuliano, J.  
(21) 2020264296 (22) 04.11.2020  
(54) Edge Pro Vertical Honing System by Seamless Pool Edge Australia
- 
- (71) K2M, Inc.  
(21) 2020264377 (22) 06.11.2020  
(54) ANTERIOR TETHER TENSIONER  
(31) 62/932,894 (32) 08.11.19 (33) US
- 
- (71) Kaman Precision Products, Inc.  
(21) 2020264386 (22) 06.11.2020  
(54) Laser guided bomb with proximity sensor  
(62) 2018316118
- 
- (71) KANDO INNOVATION LIMITED  
(21) 2020264309 (22) 04.11.2020  
(54) PRODUCTIVITY ENHANCEMENT APPARATUS FOR POWER OPERATED SKINNING EQUIPMENT  
(31) 758927 (32) 06.11.19 (33) NZ
- 
- (71) Kaufman, D.S.; Knorr, D.A.  
(21) 2020264375 (22) 06.11.2020  
(54) METHOD FOR DEVELOPING NATURAL KILLER CELLS FROM STEM CELLS  
(62) 2018206749
- 
- (71) Kimberly-Clark Worldwide, Inc.  
(21) 2020264399 (22) 06.11.2020  
(54) Absorbent article with body conforming structure  
(62) 2014410194
- 
- (21) 2020264375
- 
- (71) Komatsu Ltd.  
(21) 2020264391 (22) 06.11.2020  
(54) Management system for work vehicle and management method for work vehicle  
(62) 2017332940
- 
- (71) KONE CORPORATION  
(21) 2020267146 (22) 09.11.2020  
(54) AN ELEVATOR PARKING BRAKE, A METHOD FOR OPERATING AN ELEVATOR SYSTEM AND AN ELEVATOR SYSTEM  
(31) 19208552.0 (32) 12.11.19 (33) EP
- 
- (71) Kop-Coat, Inc.  
(21) 2020260581 (22) 02.11.2020  
(54) SOLUTIONS EMPLOYING HERBICIDES AND BUFFERED AMINE OXIDES TO KILL WEEDS AND RELATED METHODS  
(62) 2015390108
- 
- (71) Kriz, M.  
(21) 2020264329 (22) 04.11.2020  
(54) Logbooks pro is a web-based application with phone apps that supports the same process as a Security Guards manual log books they carry with them on the job.
- 
- (71) Kyushu University, National University Corporation; Hiroshima University  
(21) 2020264412 (22) 06.11.2020  
(54) DNA-BINDING PROTEIN USING PPR MOTIF, AND USE THEREOF  
(62) 2018271425
- 
- (71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
(21) 2020267144 (22) 09.11.2020  
(54) DEVICE FOR SUPPLYING THERAPEUTIC GAS, PARTICULARLY NO OR N2O, TO A PATIENT  
(31) 1912769 (32) 15.11.19 (33) FR
- 
- (71) Lentigen Technology, Inc.; THE U.S.A., AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES  
(21) 2020264343 (22) 05.11.2020  
(54) Compositions and methods for treating cancer with anti-mesothelin immunotherapy  
(62) 2018205372
- 
- (71) LG ELECTRONICS INC.  
(21) 2020264301 (22) 04.11.2020

Knorr, D.A. see Kaufman, D.S.

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(54) DEVICE FOR DRIVING A PLURALITY OF MOTORS AND ELECTRIC APPARATUS INCLUDING THE SAME  
(31) 10-2019-0139602 (32) 04.11.19 (33) KR

(71) LG ELECTRONICS INC.  
(21) 2020264346 (22) 05.11.2020  
(54) REFRIGERATOR  
(31) 10-2019-0140339 (32) 05.11.19 (33) KR  
10-2020-0020295 19.02.20 KR

(71) LG ELECTRONICS INC.  
(21) 2020264410 (22) 06.11.2020  
(54) WASHING MACHINE AND CONTROL METHOD THEREOF  
(31) 10-2019-0175218 (32) 26.12.19 (33) KR  
10-2019-0175219 26.12.19 KR

(71) LG ELECTRONICS INC.  
(21) 2020264411 (22) 06.11.2020  
(54) WASHING MACHINE  
(31) 10-2019-0140936 (32) 06.11.19 (33) KR

(71) LG ELECTRONICS INC.  
(21) 2020264413 (22) 06.11.2020  
(54) WASHING MACHINE AND CONTROL METHOD THEREOF  
(31) 10-2019-0140937 (32) 06.11.19 (33) KR

(71) LG ELECTRONICS INC.  
(21) 2020264414 (22) 06.11.2020  
(54) WASHING MACHINE  
(31) 10-2019-0140939 (32) 06.11.19 (33) KR

(71) LG ELECTRONICS INC.  
(21) 2020264415 (22) 06.11.2020  
(54) WASHING MACHINE  
(31) 10-2019-0140938 (32) 06.11.19 (33) KR

(71) LG ELECTRONICS INC.  
(21) 2020264416 (22) 06.11.2020  
(54) WASHING MACHINE  
(31) 10-2019-0140940 (32) 06.11.19 (33) KR

(71) Liguori, M.  
(21) 2020267148 (22) 09.11.2020  
(54) BIOIDENTICAL PROGESTERONE CREAM INFUSED WITH NANOEMULSIFIED CBD  
(31) 17/060,551 (32) 01.10.20 (33) US

(71) Lindsay, R.V.  
(21) 2020264362 (22) 05.11.2020  
(54) Panels  
(31) 2019904290 (32) 14.11.19 (33) AU

(71) LOON LLC  
(21) 2020264351 (22) 05.11.2020  
(54) Systems and methods for controlling aerial vehicles  
(62) 2018306441

(71) Malvern Panalytical B.V.  
(21) 2020264353 (22) 05.11.2020  
(54) Pressed powder sample measurements using X-ray fluorescence  
(62) 2018203803

(71) Mitokinin, Inc.  
(21) 2020264342 (22) 05.11.2020  
(54) Compositions and methods of using the same for treatment of neurodegenerative and mitochondrial disease  
(62) 2019202922

(71) Mitsubishi Materials Corporation  
(21) 2020264372 (22) 06.11.2020  
(54) Drill bit button insert and drill bit  
(62) 2015354591

Morales Jr., W. see Alkermes Pharma Ireland Limited  
(21) 2020264303

(71) Neutrik AG  
(21) 2020267168 (22) 10.11.2020  
(54) Contact carrier for electrical plug connectors and plug connectors therefor  
(31) A50987/2019 (32) 14.11.19 (33) AT

(71) Nextivity, Inc.  
(21) 2020264308 (22) 04.11.2020  
(54) DETERMINING THE OPTIMUM COVERAGE POSITION IN A BUILDING FOR EXTERNALLY PROVIDED RF SIGNALS  
(62) 2016301319

(71) Omaji, T.  
(21) 2020260572 (22) 30.10.2020  
(54) Rock Armour Sheets And Methods Of Its Manufacture  
(31) 2019904247 (32) 11.11.19 (33) AU

OPIE, N.L. see Oxley, T.  
(21) 2020267158

(71) Oxley, T.; OPIE, N.L.  
(21) 2020267158 (22) 09.11.2020  
(54) Medical device for retrieval of clots using an electrically charged stent structure  
(31) 62/932,935 (32) 08.11.19 (33) US

(71) Pask, N.G.  
(21) 2020264333 (22) 05.11.2020  
(54) A Construction System and Method of Use Thereof  
(31) 2019904224 (32) 08.11.19 (33) AU

(71) Pelican Products, Inc.  
(21) 2020264317 (22) 04.11.2020  
(54) Shock absorbing container and vibration isolator system  
(31) 16/741,592 (32) 13.01.20 (33) US

(71) Phoenix Steel Sales Pty Ltd  
(21) 2020264406 (22) 06.11.2020  
(54) Cable Support System  
(31) 2019904198 (32) 07.11.19 (33) AU  
2020904021 04.11.20 AU

PIONEER HI-BRED INTERNATIONAL, INC. see E. I. DU PONT DE NEMOURS AND COMPANY  
(21) 2020264325

(71) PPG Industries Ohio, Inc.  
(21) 2020264400 (22) 06.11.2020  
(54) Coreactive materials and methods for three-dimensional printing  
(62) 2018250352

(71) Praxair Technology, Inc.  
(21) 2020264380 (22) 06.11.2020  
(54) Method for controlling a recycle gas stream utilizing an ejector for the cooling of a unit operation  
(62) 2017379735

(71) President and Fellows of Harvard College  
(21) 2020264390 (22) 06.11.2020  
(54) ENHANCING DIAGNOSIS OF DISORDER THROUGH ARTIFICIAL INTELLIGENCE AND MOBILE HEALTH TECHNOLOGIES WITHOUT COMPROMISING ACCURACY  
(62) 2018233049

(71) Principia Biopharma Inc.  
(21) 2020264338 (22) 05.11.2020  
(54) Treatment of pemphigus  
(62) 2015364335

(71) Reschke, D.  
(21) 2020264369 (22) 06.11.2020  
(54) Securilock Barcode - a scannable security code to allow traceability and track-ability of products ensuring authenticity of items

(71) Rock Solid Industries International (Pty) Ltd  
(21) 2020264401 (22) 06.11.2020  
(54) PANEL JOINING ARRANGEMENT FOR A VEHICLE CANOPY  
(31) 2019/07353 (32) 06.11.19 (33) ZA

(71) RV Lizenz AG  
(21) 2020264298 (22) 04.11.2020

Complete Applications Filed - Name Index cont'd

(54) Combined energy network  
(62) 2019201819

(71) Sana Health, Inc.  
(21) 2020264336 (22) 05.11.2020  
(54) Methods and systems for providing stimuli to the brain  
(62) 2016359154

(71) SANOFI-AVENTIS  
(21) 2020264364 (22) 06.11.2020  
(54) NOVEL ANTI-CD38 ANTIBODIES FOR THE TREATMENT OF CANCER  
(62) 2018279056

(71) Scope (Aust) Ltd  
(21) 2020264403 (22) 06.11.2020  
(54) FINANCIAL MANAGEMENT SYSTEM FOR A SHARED HOUSING FACILITY

(71) Scott Technology Limited  
(21) 2020264381 (22) 06.11.2020  
(54) COMPLIANT TOOL CARRIER  
(31) 2019904851 (32) 20.12.19 (33) AU  
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(71) Siemens Aktiengesellschaft  
(21) 2020264320 (22) 04.11.2020  
(54) Automatic generation of reference curves for improved short term irradiation prediction in PV power generation  
(31) 62/930,132 (32) 04.11.19 (33) US

(71) Snap-on Incorporated  
(21) 2020264277 (22) 03.11.2020  
(54) Pliers with angled crimping opening  
(31) 16/678,275 (32) 08.11.19 (33) US

(71) Snap-on Incorporated  
(21) 2020264327 (22) 04.11.2020  
(54) Adjustable door hinge mechanism  
(31) 16/680,180 (32) 11.11.19 (33) US

(71) Snap-on Incorporated  
(21) 2020264383 (22) 06.11.2020  
(54) Tool storage units with integrated power  
(31) 62/934,330 (32) 12.11.19 (33) US  
62/935,406 14.11.19 US  
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(71) Société des Produits Nestlé S.A.  
(21) 2020267141 (22) 09.11.2020  
(54) Milk-based protein hydrolysates and compositions made thereof  
(62) 2016239617

(71) Subsea 7 Limited  
(21) 2020264297 (22) 04.11.2020  
(54) Releasing buoyancy during subsea installation  
(31) GB 1916025.8 (32) 04.11.19 (33) GB

(71) SunCoke Technology and Development LLC  
(21) 2020264394 (22) 06.11.2020  
(54) Improved burn profiles for coke operations  
(62) 2015308687

(71) SYSTÈMES DE CONTRÔLE ACTIF SOFT DB INC  
(21) 2020264393 (22) 06.11.2020  
(54) A SYSTEM AND A METHOD FOR VIBRATION MONITORING  
(31) 62/934,177 (32) 12.11.19 (33) US

(71) TABONO PTY LTD  
(21) 2020264344 (22) 05.11.2020  
(54) Flower Vase Cremation Urn (Vase Urn)  
(31) 17024757 (32) 18.09.20 (33) US  
202034041717 30.09.20 IN

(71) Taylor, B.  
(21) 2020264366 (22) 06.11.2020  
(54) SHADING APPARATUS  
(31) 2019904200 (32) 07.11.19 (33) AU

(71) Taylor, B.  
(21) 2020267160 (22) 09.11.2020  
(54) SAHADING APPARATUS  
(31) 2019904200 (32) 07.11.19 (33) AU

(71) Temple University of the Commonwealth System of Higher Education  
(21) 2020264257 (22) 02.11.2020  
(54) Methods and compositions for RNA-guided treatment of HIV infection  
(62) 2014312123

(71) The Board of Trustees of the Leland Stanford Junior University  
(21) 2020264334 (22) 05.11.2020  
(54) Targeted therapy for small cell lung cancer  
(62) 2015204766

(71) The Climate Corporation  
(21) 2020264305 (22) 04.11.2020  
(54) AGRICULTURAL DATA ANALYSIS  
(62) 2016274391

**The Government of the United States of America As Represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention see University of Florida Research Foundation, Inc.**  
(21) 2020264347

(71) The Mosaic Company  
(21) 2020267154 (22) 09.11.2020

(54) Granulated feed phosphate composition including feed enzymes  
(62) 2018250458

(71) The Regents of the University of California  
(21) 2020267172 (22) 10.11.2020  
(54) Antibodies and vaccines for use in treating ROR1 cancers and inhibiting metastasis  
(62) 2018241099

**The Royal Institution for the Advancement of Learning/ McGill University see Institut National de la Recherche Agronomique**  
(21) 2020260537

**THE U.S.A., AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES see Lentigen Technology, Inc.**  
(21) 2020264343

(71) The University of North Carolina at Chapel Hill  
(21) 2020264278 (22) 03.11.2020  
(54) Optimized human clotting Factor VIII gene expression cassettes and their use  
(62) 2016215124

(71) TURBOSMART PTY. LIMITED  
(21) 2020264318 (22) 04.11.2020  
(54) Turbocharger Wastegate Controller  
(31) 2019904150 (32) 04.11.19 (33) AU

(71) University Court of the University of Dundee  
(21) 2020264398 (22) 06.11.2020  
(54) Treatment or prophylaxis of proliferative conditions  
(62) 2019202109

(71) University of Florida Research Foundation, Inc.; The Government of the United States of America As Represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention; Cornell Research Foundation, Inc.  
(21) 2020264347 (22) 05.11.2020  
(54) INFLUENZA VIRUSES ABLE TO INFECT CANIDS, USES THEREOF  
(62) 2018203186

(71) University of Massachusetts  
(21) 2020260765 (22) 02.11.2020  
(54) RAAV-BASED COMPOSITIONS AND METHODS FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS  
(62) 2015231294

Complete Applications Filed - Name Index cont'd

(71) Variation Biotechnologies, Inc.  
 (21) 2020264275 (22) 03.11.2020  
 (54) Compositions and methods for treatment of cytomegalovirus  
 (62) 2018203538

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(71) Ventana Medical Systems, Inc.  
 (21) 2020264322 (22) 04.11.2020  
 (54) Haptens, hapten conjugates, compositions thereof and method for their preparation and use  
 (62) 2019208215

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(71) Vibrant Holdings, LLC  
 (21) 2020264330 (22) 04.11.2020  
 (54) Substrates, systems, and methods for nucleic acid array synthesis  
 (62) 2016382985

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(71) Western Clinical Engineering Ltd.  
 (21) 2020264357 (22) 05.11.2020  
 (54) Personalized tourniquet cuff assembly  
 (31) 16/803,939 (32) 27.02.20 (33) US  
 16/937,488 23.07.20 US  
 62/931,102 05.11.19 US

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(71) White Buffalo, Inc.  
 (21) 2020264312 (22) 04.11.2020  
 (54) Animal trap  
 (31) 17/084,944 (32) 30.10.20 (33) US  
 62/935,272 14.11.19 US  
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(71) WILTROM CO., LTD.  
 (21) 2020264273 (22) 03.11.2020  
 (54) SPINAL IMPLANT STRUCTURE  
 (31) 108140108 (32) 05.11.19 (33) TW

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**Wuhan Changsheng Mine Security Technology Limited see China University of Mining and Technology, Beijing**  
 (21) 2020267171

Numerical Index

<b>2020260420</b>	Buffalo Filter LLC	<b>2020264327</b>	Snap-on Incorporated
<b>2020260537</b>	Institut National de la Recherche Agronomique; The Royal Institution for the Advancement of Learning/ McGill University	<b>2020264328</b>	DRAEGER SAFETY AG & CO. KGAA
<b>2020260558</b>	Canva Pty Ltd.	<b>2020264329</b>	Kriz, M.
<b>2020260566</b>	Honeywell International Inc.	<b>2020264330</b>	Vibrant Holdings, LLC
<b>2020260568</b>	Honeywell International Inc.	<b>2020264332</b>	Icahn School of Medicine at Mount Sinai
<b>2020260572</b>	Omaji, T.	<b>2020264333</b>	Pask, N.G.
<b>2020260574</b>	BIS Industries Limited	<b>2020264334</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2020260576</b>	Captive-Aire Systems, Inc.	<b>2020264335</b>	Gilead Pharmasset LLC
<b>2020260577</b>	Captive-Aire Systems, Inc.	<b>2020264336</b>	Sana Health, Inc.
<b>2020260578</b>	Captive-Aire Systems, Inc.	<b>2020264337</b>	F. Hoffmann-La Roche AG
<b>2020260579</b>	Captive-Aire Systems, Inc.	<b>2020264338</b>	Principia Biopharma Inc.
<b>2020260580</b>	Canon Kabushiki Kaisha	<b>2020264339</b>	ESCO Group LLC
<b>2020260581</b>	Kop-Coat, Inc.	<b>2020264341</b>	Boehringer Ingelheim Animal Health USA Inc
<b>2020260765</b>	University of Massachusetts	<b>2020264342</b>	Mitokinin, Inc.
<b>2020264257</b>	Temple University of the Commonwealth System of Higher Education	<b>2020264343</b>	Lentigen Technology, Inc.; THE U.S.A., AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
<b>2020264261</b>	AFINITI EUROPE TECHNOLOGIES LIMITED	<b>2020264344</b>	TABONO PTY LTD
<b>2020264263</b>	Homewood, D.	<b>2020264345</b>	Donaldson Company, Inc.
<b>2020264264</b>	DISTRICT NORTH KITCHEN PTY LTD	<b>2020264346</b>	LG ELECTRONICS INC.
<b>2020264265</b>	Ethicon LLC	<b>2020264347</b>	University of Florida Research Foundation, Inc.; The Government of the United States of America As Represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention; Cornell Research Foundation, Inc.
<b>2020264269</b>	Infestation Tracking Systems Pty. Ltd.	<b>2020264348</b>	Eaton Intelligent Power Limited
<b>2020264270</b>	ImmunoGen, Inc.	<b>2020264349</b>	Compugen Ltd.
<b>2020264271</b>	Ghayur, M.	<b>2020264350</b>	Baxalta GmbH; Baxalta Incorporated
<b>2020264273</b>	WILTROM CO., LTD.	<b>2020264351</b>	LOON LLC
<b>2020264274</b>	Applied Medical Resources Corporation	<b>2020264353</b>	Malvern Panalytical B.V.
<b>2020264275</b>	Variation Biotechnologies, Inc.	<b>2020264355</b>	Bioverativ Therapeutics Inc.
<b>2020264276</b>	Applied Medical Resources Corporation	<b>2020264357</b>	Western Clinical Engineering Ltd.
<b>2020264277</b>	Snap-on Incorporated	<b>2020264358</b>	AbbVie Ireland Unlimited Company
<b>2020264278</b>	The University of North Carolina at Chapel Hill	<b>2020264359</b>	Haldor Topsoe A/S
<b>2020264280</b>	Citizen Science Limited	<b>2020264361</b>	Guangzhou Eachmax Technology Co., Ltd.
<b>2020264289</b>	Instrumentation Laboratory Company	<b>2020264362</b>	Lindsay, R.V.
<b>2020264293</b>	Hussmann Corporation	<b>2020264363</b>	Acerus Biopharma Inc.
<b>2020264295</b>	BENSON RESTORATION & RE-CONSTRUCTION INSURANCE WORKS PTY LTD	<b>2020264364</b>	SANOFI-AVENTIS
<b>2020264296</b>	Iuliano, T.; Iuliano, J.	<b>2020264365</b>	Immatics Biotechnologies GmbH
<b>2020264297</b>	Subsea 7 Limited	<b>2020264366</b>	Taylor, B.
<b>2020264298</b>	RV Lizenz AG	<b>2020264367</b>	Apple Inc.
<b>2020264299</b>	Dometic Sweden AB	<b>2020264368</b>	Able High International Ltd
<b>2020264300</b>	Gilead Sciences, Inc.	<b>2020264369</b>	Reschke, D.
<b>2020264301</b>	LG ELECTRONICS INC.	<b>2020264372</b>	Mitsubishi Materials Corporation
<b>2020264302</b>	Eberhard Karls Universitaet Tuebingen Medizinische Fakultae	<b>2020264375</b>	Kaufman, D.S.; Knorr, D.A.
<b>2020264303</b>	Alkermes Pharma Ireland Limited; Morales Jr., W.	<b>2020264376</b>	iBiquity Digital Corporation
<b>2020264304</b>	Elekta, Inc.	<b>2020264377</b>	K2M, Inc.
<b>2020264305</b>	The Climate Corporation	<b>2020264378</b>	Greeneden U.S. Holdings II, LLC
<b>2020264306</b>	Bedgear, LLC	<b>2020264380</b>	Praxair Technology, Inc.
<b>2020264307</b>	ACO SEVERIN AHLMANN GMBH & CO KOMMANDITGESSELLSCHAFT	<b>2020264381</b>	Scott Technology Limited
<b>2020264308</b>	Nextivity, Inc.	<b>2020264382</b>	Caterpillar Global Mining Equipment LLC
<b>2020264309</b>	KANDO INNOVATION LIMITED	<b>2020264383</b>	Snap-on Incorporated
<b>2020264310</b>	Fusion Holdings Ltd	<b>2020264385</b>	Institute of Geology and Geophysics, Chinese Academy of Sciences
<b>2020264311</b>	Gleim Conferencing, LLC	<b>2020264386</b>	Kaman Precision Products, Inc.
<b>2020264312</b>	White Buffalo, Inc.	<b>2020264388</b>	IMIDUS Technologies, Inc.
<b>2020264313</b>	Auckland UniServices Limited	<b>2020264389</b>	b.box for kids developments Pty Ltd
<b>2020264314</b>	Grünenthal GmbH	<b>2020264390</b>	President and Fellows of Harvard College
<b>2020264316</b>	Genzyme Corporation	<b>2020264391</b>	Komatsu Ltd.
<b>2020264317</b>	Pelican Products, Inc.	<b>2020264393</b>	SYSTÈMES DE CONTRÔLE ACTIF SOFT DB INC
<b>2020264318</b>	TURBOSMART PTY. LIMITED	<b>2020264394</b>	SunCoke Technology and Development LLC
<b>2020264320</b>	Siemens Aktiengesellschaft	<b>2020264396</b>	BGC Partners, Inc
<b>2020264321</b>	Halliburton Energy Services, Inc.	<b>2020264398</b>	University Court of the University of Dundee
<b>2020264322</b>	Ventana Medical Systems, Inc.	<b>2020264399</b>	Kimberly-Clark Worldwide, Inc.
<b>2020264323</b>	HandyLab, Inc.	<b>2020264400</b>	PPG Industries Ohio, Inc.
<b>2020264324</b>	Dilong Drilling Services Pty Ltd	<b>2020264401</b>	Rock Solid Industries International (Pty) Ltd
<b>2020264325</b>	E. I. DU PONT DE NEMOURS AND COMPANY; PIONEER HI-BRED INTERNATIONAL, INC.	<b>2020264403</b>	Scope (Aust) Ltd
<b>2020264326</b>	Guardant Health, Inc.		

## Complete Applications Filed - Numerical Index cont'd

2020264404 Corbin Clinical Resources, LLC  
2020264405 Aortech International PLC; Aortech Europe Ltd  
2020264406 Phoenix Steel Sales Pty Ltd  
2020264407 FERNO-WASHINGTON, INC.  
2020264408 Autonomous Healthcare, Inc.  
2020264409 Autonomous Healthcare, Inc.  
2020264410 LG ELECTRONICS INC.  
2020264411 LG ELECTRONICS INC.  
2020264412 Kyushu University, National University Corporation;  
Hiroshima University  
2020264413 LG ELECTRONICS INC.  
2020264414 LG ELECTRONICS INC.  
2020264415 LG ELECTRONICS INC.  
2020264416 LG ELECTRONICS INC.  
2020264417 Aristocrat Technologies Australia Pty Limited  
2020264418 Aus Chairs Pty Ltd  
2020267141 Société des Produits Nestlé S.A.  
2020267142 Geron Corporation  
2020267144 L'Air Liquide, Société Anonyme pour l'Etude et  
l'Exploitation des Procédés Georges Claude  
2020267145 Allergan, Inc.  
2020267146 KONE CORPORATION  
2020267147 Amgen Inc.  
2020267148 Liguori, M.  
2020267149 Inventio AG  
2020267150 Imprenditore Pty Limited  
2020267152 Blindsight Group Pty Ltd  
2020267153 CMR Surgical Limited  
2020267154 The Mosaic Company  
2020267155 Groupon, Inc.  
2020267156 Hoyle, C.  
2020267157 Birdie Biopharmaceuticals Inc  
2020267158 Oxley, T.; OPIE, N.L.  
2020267159 Caterpillar Inc.  
2020267160 Taylor, B.  
2020267161 Biosense Webster (Israel) Ltd.  
2020267162 Acerus Pharmaceuticals SRL  
2020267164 Alphagen NZ Limited  
2020267165 AstraZeneca AB  
2020267168 Neutrik AG  
2020267169 Amgen Inc.  
2020267171 China University of Mining and Technology, Beijing;  
Wuhan Changsheng Mine Security Technology Limited  
2020267172 The Regents of the University of California  
2020267173 Fisher & Paykel Healthcare Limited

**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 10 Nov 2020 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<b>A, M.M. see SATHYAMURTHY, R.</b> (21) 2020103154	(54) AIPB- Routing Protocol Verification: Ad Hoc Routing Protocol Intelligent Verification Process Based on Beagle Bone Black kit	(71) Bernardo Vidal Martinez (21) 2020103184 (22) 02.11.2020 (54) DEVICE FOR THE REMOTE CONTROL OF A PLURALITY OF ANALOGUE POTENTIOMETERS OF AN AMPLIFIER OF A MUSICAL INSTRUMENT (62) PCT/ES2019/070234
<b>A, N. see K, H.</b> (21) 2020103161	<b>Ather, D. see Astya, R.</b> (21) 2020103213	<b>Bhoi, P.B. see MOHAMMED, A.</b> (21) 2020103211
(71) A & J AUSTRALIA PTY LTD (21) 2020103221 (22) 04.11.2020 (54) A RECYCLABLE PAIL DRUM FOR USE WITH A REPLACEABLE LID	<b>Ather, D. see Singh, R.</b> (21) 2020103214	<b>Bhoi, A.K. see MOHAMMED, A.</b> (21) 2020103211
<b>Agarwal, A. see Astya, R.</b> (21) 2020103213	<b>Awasthi, C. see Singh, R.</b> (21) 2020103214	<b>Bhoi, A.K. see MOHAMMED, A.</b> (21) 2020103212
<b>Agarwal, A. see Singh, R.</b> (21) 2020103214	<b>Azam, F. see MOHAMMED, A.</b> (21) 2020103212	(71) Brockmann, C. (21) 2020103159 (22) 01.11.2020 (54) Webservice for automatic charging of electric cars with excess power from photovoltaic systems
(71) Agricultural Information Institute, Chinese Academy of Agricultural Sciences (21) 2020103205 (22) 03.11.2020 (54) Biological information deep mining and analysis system infrastructure construction method	<b>B, J.F. see J, S.D.</b> (21) 2020103027	<b>Chandel, A. see Rishiwal, V.</b> (21) 2020103095
<b>Alankar, B. see Astya, R.</b> (21) 2020103213	<b>B, A. see J, S.D.</b> (21) 2020103027	<b>Chandra Mishra, K. see Rishiwal, V.</b> (21) 2020103095
(71) Alkhamash, E.; Rahul, M.; Sharma, A. (21) 2020103209 (22) 04.11.2020 (54) VOICE COMMANDED BRACELET FOR COMPUTER PROGRAMMING	<b>B, M. see SATHYAMURTHY, R.</b> (21) 2020103154	(71) CHANDRAMOHAN, D.; D., L.; S., V.; DHANASHEKAR, M.; SENTHILKUMAR, P. (21) 2020103189 (22) 03.11.2020 (54) NATURAL FIBRE PARTICLE REINFORCED COMPOSITES
(71) Anhui University of Technology (21) 2020103177 (22) 02.11.2020 (54) Method For Preparing FeSiBCr/SiO2 Nanocrystalline Soft Magnetic Composite Iron Core (31) 201911076954.X (32) 06.11.19 (33) CN	<b>Badgujar, R.D. see Jaware, T.</b> (21) 2020103207	(71) Chauhan, D.; Dhindsa, K.S.; Bedi, P.; Tripathi, R.; Malhotra, V.; Mahawar, A.K.; Parwal, B.; Singh, C.; Chhabra, Y.K.; Ponnusamy, M. (21) 2020103018 (22) 26.10.2020 (54) An autonomous block chain based IOT node cloud communication for smart lighting system.
(71) Asbestos Reports Australia Pty Limited (21) 2020103160 (22) 01.11.2020 (54) DATA INTEGRITY MANAGEMENT IN A COMPUTER NETWORK (31) 2020902523 (32) 21.07.20 (33) AU	<b>Bajrang Tapase, A. see Sampatrao Bobade, S.</b> (21) 2020103096	<b>Chawla, C. see Kumar Goel, S.</b> (21) 2020103210
(71) Astya, R.; Katiyar, V.; Shukla, R.; Rakesh, N.; Pathak, N.; Sharma, N.; Kaur, H.; Alankar, B.; Agarwal, A.; Ather, D. (21) 2020103213 (22) 04.11.2020	<b>Bedi, P. see Chauhan, D.</b> (21) 2020103018	<b>Chhabra, Y.K. see Chauhan, D.</b> (21) 2020103018
(71) Beihua University (21) 2020103192 (22) 03.11.2020 (54) Light ultrathin density board production device	(71) BEIJING GREEN CENTURY TECHNOLOGY CO., LTD. (21) 2020103202 (22) 03.11.2020 (54) AUTOMATIC TOILET PAPER HUMIDIFYING AND CUTTING DEVICE	
<b>Bellamkonda, S. see Ramachandran, V.</b> (21) 2020103067		



Innovation Patent Applications Filed - Name Index cont'd

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**China Southern Power Grid Research Institute see Hunan University of Science and Technology**  
(21) 2020103179

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(71) China University of Mining and Technology  
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(71) Chinese Research Academy of Environmental Sciences  
(21) 2020103166 (22) 02.11.2020  
(54) MICROCOSMIC EXPERIMENTAL DEVICE FOR SIMULATING POND ECOSYSTEM

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(54) INDOOR MICROCOSM SIMULATION EXPERIMENT DEVICE FOR SIMULATING RIVER ECOSYSTEM

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(71) CSR Building Products Limited  
(21) 2020103233 (22) 04.11.2020  
(54) Panel Mounting System  
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(21) 2020103226 (22) 04.11.2020  
(54) A DRILL

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(71) Dongguan University Of Technology  
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(54) PACKAGE STRUCTURE OF BEAM COMBINER FOR HIGH-POWER LASER SYSTEM

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(21) 2020103096

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(71) GUANGZHOU MEDICAL UNIVERSITY; GMU MEDICAL DRUG DEVELOPMENT CO LTD  
(21) 2020103201 (22) 03.11.2020  
(54) HEART FAILURE DETECTION DEVICE BASED ON NUCLEIC ACID METHYLATION CHANGES AND ITS APPLICATION  
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(21) 2020103178 (22) 02.11.2020  
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(21) 2020103196 (22) 03.11.2020  
(54) REAGENT, PRIMER, AND KIT FOR DETECTING INTRAMASCULAR FAT CONTENT OF BEEF CATTLE, AND USE  
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(71) JSTI Groups; Nanjing Tech University; Nanjing City  
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(71) K., I.; Sundararajan., M.; S., A.; P., V.; Prakash., S.; Karthik., B.  
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(54) TACTILE MAT WITH SENSOR

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<b>Ponnusamy, M. see Chauhan, D.</b> (21) 2020103018	<b>R, A. see J, S.D.</b> (21) 2020103027	<b>S, .. see K, H.</b> (21) 2020103161
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(31) 202010040897.6 (32) 15.01.20 (33) CN

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(21) 2020103209

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(54) Sheet punching machine for precious metals  
(31) 202020989877.9 (32) 01.06.20 (33) CN

(71) Shenzhen Polytechnic  
(21) 2020103168 (22) 02.11.2020  
(54) Method for planting berry seeds

(71) Shenzhen University  
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(54) A METHOD FOR PREPARING A COMPOSITE PHOTOCATALYST BY USING TITANIUM DIOXIDE TO ADHERE TO RED BRICK GRANULES

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(71) Shexian Qingzhang Cement Manufacturing Co. LTD; University of Science and Technology Beijing  
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(71) Shexian Qingzhang Cement Manufacturing Co. LTD; University of Science and Technology Beijing  
(21) 2020103182 (22) 02.11.2020  
(54) Cementitious Material Containing Coal-to-liquids Coarse Slag and Preparation Method Thereof

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(54) Concrete Containing Coal-to-liquids Coarse Slag and Preparation Method thereof

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(54) Microscope shooting auxiliary device

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(54) RICE SEED COATING AGENT AND COATING METHOD

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(21) 2020103227 (22) 04.11.2020

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(71) Southwest Petroleum University  
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(54) EMERGENCY WAVE-BLOCKING EMBANKMENT PROTECTION DEVICE  
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<b>2020103027</b>	J, S.D.; B, J.F.; S., J.B.; N, K.; R, P.; R, A.; B, A.; J, G.; S, S.; K, S.	<b>2020103194</b>	Shandong Academy of Agricultural Sciences Institute of Agricultural Resources and Environment
<b>2020103028</b>	S, L.; RAJAN, R.J.; D., J.; V., J.	<b>2020103195</b>	Hunan University of Science and Technology; Huazhong University of Science and Technology; Wuhan University; East China University of Science and Technology; Hubei Normal University
<b>2020103056</b>	Prabha, R.; Prasad, M.; Raja, M.; Kumar, R.; Kumar, A.; Selvan, P.; Premchandran, V.; Hemalatha, M.; Priya, R.; Ponnusamy, S.; Kumar, R.	<b>2020103196</b>	Jilin Academy of Agricultural Sciences
<b>2020103067</b>	Ramachandran, V.; Reddy, E.S.; Bellamkonda, S.; Settipalli, L.; Malladi, R.; Satya Kumar, G.V.; Narayana, Y.V.	<b>2020103197</b>	LAA Industries Pty Ltd
<b>2020103089</b>	Zhejiang University of Technology	<b>2020103198</b>	Vemu Institute of Technology
<b>2020103092</b>	KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION; P, J.	<b>2020103199</b>	Vemu Institute of Technology
<b>2020103093</b>	NANDYAL, S.; KUMAR ANGADI, S.; MAALE, B.; LAXMIKANT KATTIMANI, S.; S TENGLI, N.; VH, S.; S.PATIL, V.; KOUSER GOGI, H.; S.DHANYAL, S.; KIRAN GAVALI, R.; EKNATHRAO PARASKAR, B.	<b>2020103200</b>	Olsen, M.
<b>2020103095</b>	Rishival, V.; Yadav, P.; Chandel, A.; Chandra Mishra, K.; Yadav, M.; Kumar Singh, M.	<b>2020103201</b>	GUANGZHOU MEDICAL UNIVERSITY; GMU MEDICAL DRUG DEVELOPMENT CO LTD
<b>2020103096</b>	Sampatrao Bobade, S.; Wamanrao Dhawale, A.; Garg, V.; Mohan Patil, R.; Sudarshan Bobade, S.; Mohan Patil, M.; Jitendra Bobade, A.; Sharad Bobade, S.; Mohanrao Nigade, Y.; Bajrang Tapase, A.	<b>2020103202</b>	BEIJING GREEN CENTURY TECHNOLOGY CO., LTD.
<b>2020103154</b>	SATHYAMURTHY, R.; B, M.; D, M.; R, B.; S, V.; A, M.M.	<b>2020103203</b>	China University of Mining and Technology
<b>2020103158</b>	Suzhou Vocational Health College	<b>2020103204</b>	Tianjin Research Institute for Water Transport Engineering, M.O.T.
<b>2020103159</b>	Brockmann, C.	<b>2020103205</b>	Agricultural Information Institute, Chinese Academy of Agricultural Sciences
<b>2020103160</b>	Asbestos Reports Australia Pty Limited	<b>2020103206</b>	Tianjin Research Institute for Water Transport Engineering, M.O.T.
<b>2020103161</b>	K, H.; E, S.; A, N.; T, J.; J, J.; S, B.; V.G, G.; V.C., U.; K., A.; V, B.; S, .; S, K.	<b>2020103207</b>	Jaware, T.; Badgujar, R.D.; Dembrani, M.B.; Patil, P.G.; Patil, J.P.; Patil, V.R.; Patil, S.N.; Haswani, N.G.
<b>2020103162</b>	Devarajan, B.; M, K.	<b>2020103208</b>	Tianjin Research Institute for Water Transport Engineering, M.O.T.
<b>2020103163</b>	Tongji University	<b>2020103209</b>	Alkhamash, E.; Rahul, M.; Sharma, A.
<b>2020103164</b>	Sichuan Agricultural University	<b>2020103210</b>	Kumar Goel, S.; Jain, V.; Sharma, P.; Chawla, C.; Kansal, A.; Garg, R.; Kumar, A.; Sijaria, R.; Vashishtha, S.; SV, R.
<b>2020103165</b>	Sichuan Agricultural University	<b>2020103211</b>	MOHAMMED, A.; Padhee, S.K.; Bhoi, P.B.; Wali, V.S.; Pramanik, M.; Panigrahi, R.; Khandelwal, B.; Jha, A.; Priyadarshi, N.; Bhoi, A.K.; Shaik, M.
<b>2020103166</b>	Chinese Research Academy of Environmental Sciences	<b>2020103212</b>	MOHAMMED, A.; Bhoi, A.K.; Priyadarshi, N.; Sherpa, k.S.; Kumar, S.; Singh, V.K.; Pattnayak, P.; Parvathaneni, N.S.; Azam, F.; Patel, N.; Shaik, M.
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<b>2020103168</b>	Shenzhen Polytechnic	<b>2020103214</b>	Singh, R.; Nand, P.; Kumar Mishra, P.; Yadav, V.; Pal, P.; Awasthi, C.; Saxena, A.; Ather, D.; Rastogi, A.; Agarwal, A.
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<b>2020103170</b>	Henan Agricultural University	<b>2020103216</b>	Qilu University of Technology
<b>2020103171</b>	Inner Mongolia Agricultural University	<b>2020103217</b>	Dongguan University Of Technology
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<b>2020103174</b>	Southwest Petroleum University	<b>2020103220</b>	Jinyubaoling Bio-pharmaceutical Co., Ltd.
<b>2020103175</b>	South China Agricultural University	<b>2020103221</b>	A & J AUSTRALIA PTY LTD
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<b>2020103177</b>	Anhui University of Technology	<b>2020103223</b>	ShenZhen Jindingfeng Precious Metals Equipment Science And Technology Co.,Ltd
<b>2020103178</b>	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	<b>2020103224</b>	Vemu Institute of Technology
<b>2020103179</b>	Hunan University of Science and Technology; Wuhan University; China Southern Power Grid Research Institute; Huazhong University of Science and Technology; China University of Geosciences (Wuhan)	<b>2020103225</b>	Shenzhen University
<b>2020103180</b>	JSTI Groups; Nanjing Tech University; Nanjing City	<b>2020103226</b>	Dilong Drilling Services Pty Ltd
<b>2020103181</b>	Shexian Qingzhang Cement Manufacturing Co. LTD; University of Science and Technology Beijing	<b>2020103227</b>	Sichuan Agricultural University
<b>2020103182</b>	Shexian Qingzhang Cement Manufacturing Co. LTD; University of Science and Technology Beijing	<b>2020103228</b>	Zhejiang Academy of Forestry
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<b>2020103185</b>	Sichuan Agricultural University	<b>2020103231</b>	Nanjing Daqo Electrical Institute Co., Ltd.; Daqo Group Co., Ltd.; Zhenjiang Klockner-Moeller Electrical Systems Co., Ltd.
<b>2020103186</b>	Sichuan Agricultural University	<b>2020103232</b>	Daqo Group Co., Ltd.; Nanjing Daqo Electrical Institute Co., Ltd.; Nanjing Daqo Electric Co., Ltd.; Zhenjiang Klockner-Moeller Electrical Systems Co., Ltd.
<b>2020103187</b>	Chinese Academy of Inspection and Quarantine	<b>2020103233</b>	CSR Building Products Limited
<b>2020103188</b>	Shexian Qingzhang Cement Manufacturing Co. LTD; University of Science and Technology Beijing		
<b>2020103189</b>	CHANDRAMOHAN, D.; D., L.; S., V.; DHANASHEKAR, M.; SENTHILKUMAR, P.		
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filing date has been amended to 29.09.2020



**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)
  
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- 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
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2016255577 ( 4C ) 2016255851 ( 4C ) 2016255948 ( 4C )  
 2016256655 ( 14 ) 2016257025 ( 4C ) 2016257263 ( 4C )  
 2016258268 ( 4C ) 2016258540 ( 4C ) 2016258902 ( 4C )  
 2016262133 ( 25D ) 2016264161 ( 14 ) 2016268103 ( 5C )  
 2016268920 ( 4C ) 2016270203 ( 4C ) 2016274576 ( 5C )  
 2016280732 ( 5C ) 2016285702 ( 4B ) 2016327574 ( 25D )  
 2016331035 ( 4B ) 2016358511 ( 1B ) 2016358796 ( 1B )  
 2016359441 ( 1B ) 2016359463 ( 1B ) 2016359558 ( 1B )  
 2016360032 ( 1B ) 2016361427 ( 1B ) 2016361442 ( 1B )  
 2016361449 ( 1B ) 2016372750 ( 5C ) 2016401926 ( 4A )  
 2016405258 ( 4A ) 2016405259 ( 4B )

**2017**

2017201065 ( 1B ) 2017201089 ( 1B ) 2017201249 ( 1B )  
 2017201602 ( 1B ) 2017201697 ( 1B ) 2017201700 ( 1B )  
 2017201702 ( 1B ) 2017202358 ( 1B ) 2017202505 ( 1B )  
 2017202634 ( 14 ) 2017202641 ( 1B ) 2017202981 ( 1B )  
 2017203938 ( 14 ) 2017204854 ( 1B ) 2017206087 ( 5C )  
 2017223498 ( 5C ) 2017225163 ( 14 ) 2017225416 ( 1B )  
 2017227656 ( 5C ) 2017229019 ( 1B ) 2017230684 ( 1B )  
 2017230724 ( 1B ) 2017231744 ( 1B ) 2017232562 ( 1B )  
 2017245402 ( 14 ) 2017245934 ( 1B ) 2017246239 ( 1B )  
 2017247131 ( 1B ) 2017247617 ( 1B ) 2017248363 ( 1B )  
 2017249036 ( 1B ) 2017249958 ( 1B ) 2017250458 ( 1B )  
 2017252481 ( 1B ) 2017253093 ( 1B ) 2017253950 ( 1B )  
 2017255567 ( 1B ) 2017256817 ( 1B ) 2017257796 ( 1B )  
 2017258184 ( 1B ) 2017258960 ( 14 ) 2017259101 ( 1B )  
 2017260007 ( 1B ) 2017263319 ( 1B ) 2017264691 ( 1B )  
 2017264845 ( 1B ) 2017281763 ( 5C ) 2017296055 ( 1B )  
 2017297182 ( 1B ) 2017297847 ( 5C ) 2017300666 ( 5C )  
 2017312812 ( 5C ) 2017318406 ( 5C ) 2017318644 ( 5C )  
 2017327891 ( 5C ) 2017328267 ( 5C ) 2017336067 ( 1B )  
 2017336347 ( 1B ) 2017339373 ( 1B ) 2017339881 ( 1B )  
 2017340269 ( 1B ) 2017350177 ( 5C ) 2017360995 ( 5C )  
 2017362778 ( 5C ) 2017408344 ( 5C )

**2018**

2018100550 ( 22E ) 2018100551 ( 22E ) 2018100566 ( 22E )  
 2018100567 ( 22E ) 2018100568 ( 22E ) 2018100573 ( 22E )  
 2018101001 ( 22E ) 2018101639 ( 22E ) 2018201879 ( 5C )  
 2018202105 ( 5C ) 2018202182 ( 4C ) 2018203017 ( 4C )  
 2018203103 ( 4C ) 2018203863 ( 14 ) 2018204868 ( 4C )  
 2018206689 ( 5C ) 2018206760 ( 4C ) 2018214492 ( 5C )  
 2018214821 ( 5C ) 2018216859 ( 25D ) 2018222957 ( 5C )  
 2018224747 ( 1B ) 2018226475 ( 5C ) 2018227575 ( 1B )  
 2018228242 ( 1B ) 2018229422 ( 5C ) 2018229548 ( 5C )  
 2018236730 ( 14 ) 2018247199 ( 4C ) 2018253557 ( 5C )  
 2018256610 ( 4C ) 2018260942 ( 5C ) 2018264038 ( 5C )  
 2018271282 ( 5C ) 2018272099 ( 4C ) 2018278873 ( 5C )  
 2018282348 ( 5C ) 2018286593 ( 5C ) 2018450680 ( 1B )

**2019**

2019101334 ( 22F ) 2019101641 ( 21F ) 2019200026 ( 5C )  
 2019200042 ( 5C ) 2019200546 ( 5C ) 2019200977 ( 5C )  
 2019201011 ( 4C ) 2019201410 ( 4C ) 2019201677 ( 5C )  
 2019202170 ( 5C ) 2019202474 ( 5C ) 2019202504 ( 5C )  
 2019202657 ( 5C ) 2019202835 ( 5C ) 2019203099 ( 5C )  
 2019203242 ( 4C ) 2019203305 ( 5C ) 2019203554 ( 16C )  
 2019203673 ( 5C ) 2019204162 ( 5C ) 2019210676 ( 4C )  
 2019212640 ( 7A ) 2019216669 ( 5C ) 2019222968 ( 5CN )  
 2019904383 ( 12AN ) 2019904506 ( 12AN )

**2020**

2020101975 ( 18AN ) 2020102066 ( 18AN ) 2020103002 ( 12AN )  
 2020200073 ( 4C ) 2020200252 ( 4C ) 2020200254 ( 4C )  
 2020220197 ( 1B ) 2020902919 ( 17AN )

**Assignments before Grant, Section 113****2015**

2015218647 Novogy, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2015266724 Novogy, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2015266785 Novogy, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2015268626 Bayer New Zealand Limited The application has been assigned to **Elanco New Zealand**

**2016**

2016205002 AMERICAN REGENT, INC. The application has been assigned to **Vifor (International) AG**

2016261557 Parekh, Suneel The application has been assigned to **Su-N Energy Holdings Ltd**

2016262687 Cowdroy Products Ltd The application has been assigned to **BLA East Tamaki Limited**

2016275572 Innovative Biosecurity Pty Ltd The application has been assigned to **Chevron Australia Pty Ltd**

2016319093 Bayer CropScience Aktiengesellschaft; BASF Agricultural Solutions Seed US LLC The application has been assigned to **BASF Agricultural Solutions Seed US LLC**

2016330023 BWA Water Additives UK Limited The application has been assigned to **Italmatch Chemicals GB Limited**

2016366158 BioTime, Inc. The application has been assigned to **AgeX Therapeutics, Inc.**

**2017**

2017255503 Aleksey, Russell The application has been assigned to **Okletsplay Incorporated**

2017289870 Novocure Limited The application has been assigned to **Novocure GmbH**

2017313423 Novocure Limited The application has been assigned to **Novocure GmbH**

2017394032 Ningbo Zhiming Biotechnology Co., Ltd.; Wei, Wei The application has been assigned to **Guangzhou Hanfang Pharmaceutical Co., Ltd.**

**2018**

2018200990 Mine RP Holdings (Pty) Limited The application has been assigned to **MineRP IP Inc.**

2018223210 North Star Technology International Limited The application has been assigned to **North Star Technology Limited**

**Assignments before Grant, Section 113**

2018279064 Enbala Power Networks Inc. The application has been assigned to **1266638 B.C. Unlimited Liability Company**

2018282466 Janssen Pharmaceuticals, Inc. The application has been assigned to **Janssen Pharmaceutica NV**

2018319173 Karl Kufner GmbH & Co. KG; Hahn-Schickard-Gesellschaft für angewandte forschung e.V. The application has been assigned to **GS Elektromedizinische Geräte G. Stemple GmbH; Hahn-Schickard-Gesellschaft für angewandte forschung e.V.**

2018319213 Fukui, Seiji The application has been assigned to **Takahashi, Yutaka; Fukui, Seiji**

2018353126 Moreno, Jesus; Prosser, Philip The application has been assigned to **Nova Eye, Inc.**

**2019**

2019210634 Haddock, Robert; Haddock, Dustin The application has been assigned to **RMH Tech LLC**

2019234828 Biothera Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania The application has been assigned to **Hibercell, Inc.; The Trustees of the University of Pennsylvania**

2019236275 Infinium, Inc. The application has been assigned to **FEA Materials LLC**

2019254728 Lappeenranta-Lahden Teknillinen Yliopisto LUT; Teknologian Tutkimuskeskus VTT Oy The application has been assigned to **Solar Foods Oy**

2019264954 Teleflex Medical Devices S.a.r.l. The application has been assigned to **Teleflex Life Sciences Limited**

2019280828 Harrow Health, Inc The application has been assigned to **Harrow IP, LLC**

2019904280 SCLK Pty Ltd The application has been assigned to **Integrator Asset Pty Ltd**

**2020**

2020204540 Mine RP Holdings (Pty) Limited The application has been assigned to **MineRP IP Inc.**

2020900911 SCLK Pty Ltd The application has been assigned to **Integrator Asset Pty Ltd**

**Extensions of Time, Section 223****Applications Received**

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

**2016**

2016247569 **Gas Capture Technologies; The University of Western Australia** An application to extend the time from 15 Apr 2020 to 15 Nov

**Extensions of Time, Section 223**

2020 in which to pay the continuation fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2018**

2018100254 **McRobert, C.** An application to extend the time from 27 Feb 2020 to 27 Sep 2020 in which to pay the renewal fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018355217 **EVONIK CORPORATION** An application to extend the time from 23 May 2020 to 23 Oct 2020 in which to enter the national phase has been filed . Address for service - AJ Park L 20, Dimension Data House 157 Lambton Quay Wellington 6011 NZ

**2019**

2019202633 **Alkermes Pharma Ireland Limited** An application to extend the time from 19 Mar 2020 to 19 Oct 2020 in which to pay the continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2020**

2020250215 **Lo, H.; Lee, C.** An application to extend the time from 25 Mar 2020 to 25 Oct 2020 in which to claim the convention priority date has been filed . Address for service - COOPER IP PTY. LTD. 181 Bay Street Brighton VIC 3186 AU

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

**2010**

2010328737 **Annulus Intervention System AS** The time in which to pay the renewal fee has been extended to 06 Sep 2020 . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

**2014**

2014205009 **Chung, D.** The time in which to pay the acceptance fee has been extended to 18 Nov 2020 . Address for service - Neemo Inc 21403/Neemo Inc c/o Duane Chung GPO Box 1171 SYDNEY NSW 2001 AU

**2015**

2015252101 **Illinois Tool Works Inc.** The time in which to gain acceptance has been extended to 21 Feb 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2015268093 **IsoTechnology Pty Ltd** The time in which to gain acceptance has been extended to 11 Feb 2021 . Address for service - Gadens Lawyers Brisbane GPO Box 129 Brisbane QLD 4001 AU

2015328370 **Immunomedics, Inc.** The time in which to pay a renewal fee has been extended to 05 Aug 2020 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2016**

2016210544 **GVK Biosciences Private Limited** The time in which to gain acceptance has been extended to 28 Oct 2020 . Address for service - AJ Pietras IP Limited P O Box 30173 Lower Hutt 5040 NZ

**Extensions of Time, Section 223**

2016260418 **Smith & Nephew, Inc.** The time in which to gain acceptance has been extended to 19 Mar 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016262133 **Bomb'd Pty Ltd** The time in which to pay the acceptance fee has been extended to 23 Nov 2020 . Address for service - AIR STAYZ PTY LIMITED PO Box 153 Flinders Lane Melbourne VIC 8009 AU

2016389393 **Synaptive Medical (Barbados) Inc.** The time in which to request examination has been extended to 28 Oct 2020 . Address for service - Synaptive Medical (Barbados) Inc. Level 9 550 Bourke Street Melbourne VIC 3000 AU

2016427789 **Hussmann Corporation** The time in which to gain acceptance has been extended to 08 Feb 2020 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

**2017**

2017101151 **OREX HOLDINGS PTY LIMITED** The time in which to pay a renewal fee has been extended to 23 Mar 2020 . Address for service - OREX HOLDINGS PTY LIMITED 16 Voyager Circuit Glendenning NSW 2761 AU

2017270079 **Morphotrust USA, LLC** The time in which to request examination has been extended to 15 Feb 2021 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2018**

2018102175 **Wongan Pty Ltd as the Trustee for the Authentic Design Trust** The time in which to comply with a direction under Reg 3.2C has been extended to 03 Dec 2020 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018208638 **Orthalign, Inc.** The time in which to pay the acceptance fee has been extended to 20 Feb 2020 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2018211289 **Fybr** The time in which to gain acceptance has been extended to 14 Feb 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018259168 **Australian Pork Limited** The time in which to gain acceptance has been extended to 18 Feb 2021 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

2018267586 **Solar Analytics Pty Ltd** The time which to gain acceptance has been extended to 23 Jan 2021 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2018282481 **Slog Pty Ltd** The time in which to gain acceptance has been extended to 06 Mar 2020 . Address for service - Baxter Patent Attorneys Pty Ltd Se 2, L 3A 1 Bligh St Sydney NSW 2000 AU

**Extensions of Time, Section 223****2019**

2019202033 **Innovapark, LLC** The time in which to gain acceptance has been extended to 28 Feb 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2019205433 **COMPOSECURE, LLC** The time in which to enter the National Phase has been extended to 08 Nov 2020 . Address for service - Houlihan<sup>2</sup> Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2019244842 **L&T TECHNOLOGY SERVICES LIMITED** The time in which to enter the National Phase has been extended to 28 Nov 2020 . Address for service - Invent IP Legal Services LLP 5/22 Cambridge Street Epping NSW 2121 AU

2019903773 **FLETCHER, S.** The time in which to associate with a complete application has been extended to 07 Jan 2021 . Address for service - Baxter Patent Attorneys Pty Ltd Suite 2, Level 3A 1 Bligh Street Sydney NSW 2000 AU

2019904328 **WARDA, S.** The time in which to associate with a complete application has been extended to 18 Feb 2021 . Address for service - Baxter Patent Attorneys Pty Ltd Suite 2, Level 3A 1 Bligh Street Sydney NSW 2000 AU

**2020**

2020103082 **Jilin University; Jilin Province TeyiFood Biotechnology Company Limited** The time in which to claim the convention priority date has been extended to 14 Nov 2020 . Address for service - W.S. Li PO Box194 South Perth WA 6951 AU

2020200650 **Ganalila, LLC** The time in which to make a further application for a divisional patent has been extended to 08 Feb 2020 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

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

2020213322 **Aquestive Therapeutics, Inc.** The time in which to make a further application for a divisional patent has been extended to 27 Aug 2020 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

2020220146 **Aerie Pharmaceuticals, Inc** The time in which to request examination has been extended to 25 Nov 2020 . Address for service - K&L Gates Level 25 South Tower 525 Collins Street Melbourne VIC 3000 AU

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

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

**Amendments**

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

**2011**

2011242575 Certain amino-pyrimidines, compositions thereof, and methods for their use **Cytokinetics, Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Oct 2020 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2015**

2015317867 Broadband red light generator for RGB display **IPG Photonics Corporation** The nature of the amendment is: Amend the name of the inventor to read Leonardo, Manuel; Samartsev, Igor; Avdokhin, Alexey; Keaton, Gregory and Vaupel, Andreas . Address for service - Pipers Intellectual Property PO Box 839 Port Melbourne VIC 3207 AU

**2016**

2016216782 Novel N-acyl-arylsulfonamide derivatives as aminoacyl-tRNA synthetase inhibitors **Oxford Drug Design Limited** The nature of the amendment is as shown in the statement(s) filed 03 Nov 2020 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

2016319785 Acetamide thienotriazolodiazepines and uses thereof **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Nov 2020 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2016344149 Transluminal angioplasty devices and methods of use **Contego Medical, LLC** The nature of the amendment is: Amend the name of the inventor to read Sachar, Ravish; Serina, Eugene and Patel, Udayan . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2016368532 Dressing for skin care in a moist environment **Droche, E.** The nature of the amendment is as shown in the statement(s) filed 23 Oct 2020 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

**Amendments Made****2012**

2012335981 **Emory University** The nature of the amendment is: Amend the name of the inventor to read Natchus, Michael G.; Arrendale, Richard F.; Liotta, Dennis; Desai, Ketan and Shim, Hyunsuk

**2014**

2014404332 **Johnson Matthey Public Limited Company** The nature of the amendment is: Amend the name of the inventor to read Heinrich, Brian W.; Matharu, Saroop Singh; Grant, Ewart; Zhang, Hongzhi; Archer, Nicolas and Bease, Michael

**2015**

2015101468 **CSR Building Products Limited** The nature of the amendment is as shown in the statements filed 08 Sep 2020 and 09 Oct 2020

**Amendments**

2015243865 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 10 Aug 2020

2015339130 **NGM Biopharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 18 Aug 2020

**2016**

2016240117 **Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement filed 17 Aug 2020

**2017**

2017210031 **Fate Therapeutics, Inc.** The nature of the amendment is as shown in the statement filed 29 Jul 2020

2017268198 **Baxalta Incorporated; Baxalta GmbH** The nature of the amendment is as shown in the statement filed 19 Aug 2020

2017358282 **ICM Co., Ltd.** The nature of the amendment is as shown in the statements filed 23 Jul 2020 and 6 August 2020

2017405808 **TTI (Macao Commercial Offshore) Limited** The nature of the amendment is: Application is to proceed under the number 2017101892

**2018**

2018205516 **University of Wyoming; Battelle Energy Alliance, LLC** The nature of the amendment is: Amend the name of the inventor to read Li, Dongmei; Tan, Shuai; Li, Chenlin and Williams, Luke

2018214033 **DEKA Products Limited Partnership** The nature of the amendment is: Amend the name of the inventor to read Tracey, Brian; Grant, Kevin L.; Wilt, Michael J.; Dale, James D.; Collins, David E.; Bodwell, Jesse T.; Rudolf, Brett A. and Gustin, Lisa A.

2018240050 **TECHTRONIC CORDLESS GP** The nature of the amendment is: Application is to proceed under the number 2018102196

2018256666 **Parksen Group Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Wings, Leigh; Wang, Zhenying and Zhang, Chunli

2018262117 **Jay-Lor International Inc.** The nature of the amendment is: Amend the name of the inventor to read Tamminga, Jakob; Tamminga, Gerry and Bessey, Chris

2018278993 **Beijing Didi Infinity Technology and Development Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2018102194

2018286570 **Nuctech Company Limited** The nature of the amendment is: Application is to proceed under the number 2018102195

2018309459 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Outdoor unit of refrigeration apparatus

2018386625 **Societe des Produits Nestle S.A.** The nature of the amendment is: Amend the name of the inventor to read WAKSMAN, Lu-

**Amendments**

cile; TERRAZAS, Korina; WIDMER, Christoph; PEPE, Francesca and DES CHAMPS DE BOISHEBERT, Virginie Marie Geneviève Christoph

2018416893 **Jiangsu Huifeng Bio Agriculture Co., Ltd.** The nature of the amendment is: Amend the invention title to read Fungicidal Fertilizer Composition Comprising Potassium Phosphite And  $\gamma$ -Poly-Glutamic Acid

2018424055 **Micro-Tech (Nanjing) Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2018102193

**2019**

2019230114 **Austin Star Detonator Company** The nature of the amendment is: Amend the name of the inventor to read MUNROE, Chris; HOWE, Larry S.; PAPILLON, Bryan E.; TEOWEE, Gimtong and HARDERS, Walter J.

2019232163 **Carmeda AB** The nature of the amendment is as shown in the statement(s) filed 29 Oct 2020

2019251151 **ShanghaiTech University** The nature of the amendment is: Amend the invention title to read TARGET PROTEIN DEGRADATION COMPOUNDS, THEIR ANTI-TUMOR USE, THEIR INTERMEDIATES AND USE OF INTERMEDIATES

2019252550 **BioLife Solutions, Inc.** The nature of the amendment is: Amend the name of the inventor to read SCHRYVER, Brian

2019254266 **igus GmbH** The nature of the amendment is: Amend the invention title to read Monitoring system for operating an energy chain

2019259846 **BASF SE** The nature of the amendment is as shown in the statement filed 22 Oct 2020

2019261570 **The United States of America, as represented by The Secretary, Department of Health and Human Services** The nature of the amendment is as shown in the statement filed 21 Oct 2020

2019264991 **Massachusetts Eye And Ear Infirmary; The Schepens Eye Research Institute, Inc.** The nature of the amendment is: Amend the invention title to read ALTERING TISSUE TROPISM OF ADENO-ASSOCIATED VIRUSES

2019290926 **Societe des Produits Nestle S.A.** The nature of the amendment is: Amend the invention title to read Compositions and methods using a nicotinamide adenine dinucleotide (NAD<sup>+</sup>) precursor and at least one ketone or ketone precursor

2019376725 **China University of Mining and Technology** The nature of the amendment is: Amend the name of the inventor to read ZHANG, Jixiong; LI, Meng; GAO, Feng; HUANG, Peng; ZHOU, Nan and A.J.S. (Sam) Spearing

2019408142 **Inner Mongolia North Hauler Joint Stock Co., Ltd.** The nature of the amendment is: Amend the invention title to read FRONT AXLE STRUCTURE OF MINING DUMP TRUCK

2019408144 **Inner Mongolia North Hauler Joint Stock Co., Ltd.** The nature of the amendment is: Amend the invention title to

**Amendments**

read THREE-LINK STEERING MECHANISM OF MINING DUMP TRUCK

2019438341 **China University of Mining and Technology** The nature of the amendment is: Amend the name of the inventor to read ZHOU, Nan; ZHANG, Jixiong; SUN, Qiang; LI, Meng and LIU, Heng-feng

2019439785 **China University of Mining and Technology** The nature of the amendment is: Amend the name of the inventor to read ZHOU, Nan; ZHANG, Jixiong; SUN, Qiang; LI, Meng and LIU, Heng-feng

**2020**

2020102333 **Tianjin University** The nature of the amendment is: Amend the name of the inventor to read CHEN, Guanyi; WANG, Chuanbin; YANG, Chengliang; LI, Xiangping; YAN, Beibei; LIU, Bin; LIU, Juping; SU, Zhenping; LI, Ding; LIU, Xinpei and LI, Bo

2020102968 **Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences** The nature of the amendment is: Amend the name of the inventor to read Ren, Xianyun; Wang, Xiang; Xu, Yao; Yu, Zhenxing; Liu, Pin and Li, Jian

2020103020 **Machona, C.; Hello Safe Technology Pty Ltd** The nature of the amendment is: Amend the invention title to read EMBEDDED STRAP-ABLE/REMOVABLE GARMENT BASED WEARABLE SAFETY & FITNESS DEVICE WITH COMPANION SOFTWARE & MOBILE APP

2020239803 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read LEMAY, Stephen O.; JOBS, Steven P.; FORSTALL, Scott; CHRISTIE, Greg; NOVICK, Gregory; VAN OS, Marcel; COFFMAN, Patrick Lee; CHAUDHRI, Imran; HERZ, Scott and MATAS, Michael

2020260416 **The Raymond Corporation** The nature of the amendment is: Amend the invention title to read SYSTEMS AND METHODS FOR A MOBILE CAROUSEL WITH POWER AND COMMUNICATIONS CONTACTS

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

**2002**

2002212156 Koch Membrane Systems, Inc. The name of the patentee has been altered to **Koch Separation Solutions, Inc.**

**2005**

2005254215 Koch Membrane Systems, Inc. The name of the patentee has been altered to **Koch Separation Solutions, Inc.**

**2007**

2007299231 Koch Membrane Systems, Inc. The name of the patentee has been altered to **Koch Separation Solutions, Inc.**

**2009**

2009304210 Rolls-Royce Marine AS The name of the patentee has been altered to **Kongsberg Maritime CM AS**

**Amendments**

**2013**

2013296557 Bioasis Technologies, Inc. The name of the patentee has been altered to **Bioasis Technologies Inc.**

**2014**

2014243816 Bioasis Technologies, Inc. The name of the patentee has been altered to **Bioasis Technologies Inc.**

2014332024 Impax Laboratories, Inc. The name of the patentee has been altered to **Impax Laboratories, LLC**

**2015**

2015210612 Bioasis Technologies, Inc. The name of the patentee has been altered to **Bioasis Technologies Inc.**

2015219339 Bioasis Technologies, Inc. The name of the patentee has been altered to **Bioasis Technologies Inc.**

2015227016 Koch Membrane Systems, Inc. The name of the patentee has been altered to **Koch Separation Solutions, Inc.**

2015252906 Bioasis Technologies, Inc. The name of the patentee has been altered to **Bioasis Technologies Inc.**

2015315076 Forta Corporation The name of the patentee has been altered to **Forta, LLC**

**2016**

2016204580 WKI Holding Company, Inc. The name of the applicant has been altered to **Corelle Brands Holdings Inc.**

2016280624 Joint Purification Systems LLC The name of the applicant has been altered to **Joint Purification Systems, Inc.**

**2017**

2017286194 RenovaCare Sciences Corp.; Bold, Thomas The name of the applicant has been altered to **RenovaCare Sciences Corp.**

2017323644 Forta Corporation The name of the applicant has been altered to **Forta, LLC**

2017394752 Synovizen Co., Ltd. The name of the patentee has been altered to **Cupione Co., Ltd.**

**2018**

2018205516 University of Wyoming The name of the applicant has been altered to **University of Wyoming; Battelle Energy Alliance, LLC**

2018304128 Admedus Corporation The name of the applicant has been altered to **Anteris Technologies Corporation**

2018313253 The Board of Trustees of the University of Illinois The name of the applicant has been altered to **The United States Government as Represented by the Department of Veterans Affairs; The Board of Trustees of the University of Illinois**

**Amendments**

2018353854 Admedus Corporation The name of the applicant has been altered to **Anteris Technologies Corporation**

**2019**

2019202704 Bioasis Technologies, Inc. The name of the applicant has been altered to **Bioasis Technologies Inc.**

2019203317 OilQuick Deutschland GmbH The name of the applicant has been altered to **OilQuick Deutschland KG**

2019218021 State Grid Jiangsu Electric Power Research Institute; State Grid Corporation of China; State Grid Jiangsu Electric Power Company ; Jiangsu Electric Power Research Institute Co., Ltd. The name of the applicant has been altered to **State Grid Jiangsu Electric Power Research Institute; State Grid Corporation of China; State Grid Jiangsu Electric Power Co., Ltd; Jiangsu Electric Power Research Institute Co., Ltd.**

2019221837 Memorial Sloan-Kettering Cancer Center The name of the applicant has been altered to **Memorial Sloan-Kettering Cancer Center; Tri-Institutional Therapeutics Discovery Institute, Inc.**

2019223155 Cambridge Glycoscience Ltd. The name of the applicant has been altered to **Cambridge Glycoscience Ltd**

2019225242 Cynosure, Inc. The name of the applicant has been altered to **Cynosure, LLC**

2019240218 biOasis Technologies, Inc. The name of the applicant has been altered to **Bioasis Technologies Inc.**

2019245423 Exposition Park Holdings SECZ ; Yantis, Jonathan; Quigley, William The name of the applicant has been altered to **Exposition Park Holdings SEZC; Yantis, J.; Quigley, W.**

2019245424 Exposition Park Holdings Secz ; Yantis, Jonathan; Quigley, William The name of the applicant has been altered to **Exposition Park Holdings SEZC; Yantis, J.; Quigley, W.**

2019252262 Salubris Biotherapeutics, Inc.; Genekey Biotech (Chengdu) Co., Ltd. The name of the applicant has been altered to **Salubris Biotherapeutics, Inc.; Salubris (Chengdu) Biotech Co., Ltd.**

2019252703 Aqseptence Group Inc. The name of the applicant has been altered to **Aqseptence Group, Inc.**

2019257515 OilQuick Deutschland GmbH The name of the applicant has been altered to **OilQuick Deutschland KG**

2019261592 Genome Protection. Inc. The name of the applicant has been altered to **Genome Protection, Inc.**

2019269738 Admedus Corporation; Reed, Andrew; Mathieu, Dave; Neethling, William The name of the applicant has been altered to **Anteris Technologies Corporation; Reed, A.; Mathieu, D.; Neethling, W.**

2019269741 Admedus Corporation; Reed, Andrew; Mathieu, Dave; Haarstad, Philip; Peterson, Alex; Neethling, William; Doan, Tuan; Olig, Christopher; Bliss, Scott The name of the applicant has been altered to **Anteris Technologies Corporation; Reed, A.; Mathieu, D.;**

**Amendments**

**Haarstad, P.; Peterson, A.; Neethling, W.; Doan, T.; Olig, C.; Bliss, S.**

2019283910 OilQuick Deutschland GmbH The name of the applicant has been altered to **OilQuick Deutschland KG**

2019284060 Impax Laboratories, Inc. The name of the applicant has been altered to **Impax Laboratories, LLC**

2019904221 The University of Sydney The name of the applicant has been altered to **The University of Sydney; Monash University**

2019904285 ResMed Pty Ltd The name of the applicant has been altered to **ResMed Inc.**

2019904568 Graphite Solar Power Pty Ltd The name of the applicant has been altered to **Graphite Energy (Assets) Pty Limited**

**2020**

2020103151 Henan University of Technology The name of the applicant has been altered to **Hunan University of Science and Technology**

2020103161 K, HARIBABU; E, SHEEBA; A, NALINI; T, JENISH; J, JAYARAJAN; S, BHUVANESWARI; V.G, GANESAN; V.C., UVARAJA; K., ARUMUGAM; V, BALAJI; S, .KALIAPPAN; S, KALIAPPAN The name of the applicant has been altered to **K, H.; E, S.; A, N.; T, J.; J, J.; S, B.; V.G, G.; V.C., U.; K., A.; V, B.; RAJKAMAL, M.; S, K.**

2020244569 Alfa Laval Corporate AB; Alfa Laval Spiral SAS The name of the applicant has been altered to **Alfa Laval Corporate AB; Alfa Laval Spiral SAS**

2020244606 Abramov, Yuri The name of the applicant has been altered to **SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION**

2020257059 Launchpad Medical, LLC The name of the applicant has been altered to **RevBio, Inc.**

2020900498 Boyd, Nicholas The name of the applicant has been altered to **VIRTUAL FIRE SYSTEMS PTY LTD**

**Amendments Made Under Section 105**

Court Order by the Federal Court of Victoria, VID542/2016 Australian Patent/Patent Application 2010202253 in the name of Select-Traits Genomics, LLC; Branhaven LLC  
The amendments advertised in the Official Journal of Patents dated 31 May 2018 have been made in accordance with a Court Order 28 Feb 2019 .



Applications Open to Public Inspection

Name Index

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

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(71) Ab Initio Technology LLC  
 (11) AU-A-2020260374  
 (21) 2020260374 (22) 26.10.2020  
 (54) BUILDING REPORTS  
 (51) Int. Cl.  
**G06Q 10/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015364608  
 (72) Radivojevic, Dusan; Moss, Peter  
 (74) RnB IP Pty Ltd

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(71) Achillion Pharmaceuticals, Inc.  
 (11) AU-A-2020260434  
 (21) 2020260434 (22) 28.10.2020  
 (54) Aryl, Heteroaryl, and Heterocyclic Compounds for Treatment of Complement Mediated Disorders  
 (51) Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/401** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015223068  
 (72) Gadachanda, Venkat Rao; Wang, Qiuping; Pais, Godwin; Hashimoto, Akihiro; Chen, Dawei; Wang, Xiangzhu; Agarwal, Atul; Deshpande, Milind; Wiles, Jason Allan; Phadke, Avinash S.  
 (74) WRAYS PTY LTD

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(71) Acorda Therapeutics, Inc.  
 (11) AU-A-2020260539  
 (21) 2020260539 (22) 30.10.2020  
 (54) Use of neuregulin to treat peripheral nerve injury  
 (51) Int. Cl.  
**A61K 38/16** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 38/18** ( 2006.01 )  
**A61P 25/02** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019202401  
 (72) CAGGIANO, Anthony O.; BELLA, Anthony J.; GANGULY, Anindita; IACI, Jennifer; PARRY, Thomas; COLBURN, Raymond Warren  
 (74) Spruson & Ferguson

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(71) ACO SEVERIN AHLMANN GMBH & CO KOMMANDITGESSELLSCHAFT  
 (11) AU-A-2020264307  
 (21) 2020264307 (22) 04.11.2020  
 (54) Covering Device For a Slotted Channel  
 (51) Int. Cl.  
**E03F 3/04** ( 2006.01 )  
**E01C 11/22** ( 2006.01 )

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(43) 26.11.2020  
 (62) 2017322346  
 (72) BHATIA, Ramon; KRCIL, Jiri; MESSERSCHMIDT, Heino; MIEZE, Jan  
 (74) Fraser Old & Sohn

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(71) Adjuvants Plus USA, Inc.  
 (11) AU-A-2020260526  
 (21) 2020260526 (22) 30.10.2020  
 (54) CLONOSTACHYS ROSEA INOCULATED PLANT MATERIALS WITH FUNGICIDES AND ADJUVANTS  
 (51) Int. Cl.  
**A01N 25/04** ( 2006.01 )  
**A01N 25/00** ( 2006.01 )  
**A01N 25/08** ( 2006.01 )  
**A01N 25/10** ( 2006.01 )  
**A01N 37/24** ( 2006.01 )  
**A01N 37/46** ( 2006.01 )  
**A01N 43/36** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 43/653** ( 2006.01 )  
**A01N 47/38** ( 2006.01 )  
**A01N 51/00** ( 2006.01 )  
**A01N 63/00** ( 2006.01 )  
**A01N 63/30** ( 2020.01 )  
**A01P 3/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019204162  
 (72) Brown, William G.  
 (74) Madderns Pty Ltd

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(71) Advanced New Technologies Co., Ltd.  
 (11) AU-A-2020260569  
 (21) 2020260569 (22) 30.10.2020  
 (54) Verification method and device  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2016372750  
 (72) JIANG, Jian; LEI, Xin; SUN, Hongfa  
 (74) Spruson & Ferguson

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(71) AFINITI EUROPE TECHNOLOGIES LIMITED  
 (11) AU-A-2020264261  
 (21) 2020264261 (22) 02.11.2020  
 (54) TECHNIQUES FOR ESTIMATING EXPECTED PERFORMANCE IN A TASK ASSIGNMENT SYSTEM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**H04M 3/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018206689  
 (72) Chishti, Zia; Kan, Itlai; Khatri, Vikash  
 (74) AJ PARK

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(71) AIT Austrian Institute Of Technology GmbH; Indigo Agriculture, Inc.  
 (11) AU-A-2020257079  
 (21) 2020257079 (22) 21.10.2020  
 (54) PLANT-ENDOPHYTE COMBINATIONS AND USES THEREFOR  
 (51) Int. Cl.  
**A01N 63/20** ( 2020.01 )  
**A01P 21/00** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018205110  
 (72) Ambrose, Karen V.; Zhang, Xuecheng; Mitter, Birgit; Pastar, Milica; Sessitsch, Angela; Reichenberger, Guenther; Pfaffenbichler, Nikolaus  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Align Technology, Inc.  
 (11) AU-A-2020260469  
 (21) 2020260469 (22) 29.10.2020  
 (54) METHOD FOR TRACKING, PREDICTING, AND PROACTIVELY CORRECTING MALOCCLUSION AND RELATED ISSUES  
 (51) Int. Cl.  
**A61C 7/00** ( 2006.01 )  
**A61C 7/08** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2016296156  
 (72) Mason, David; Brandt, Douglas  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Alkermes Pharma Ireland Limited; Morales Jr., W.  
 (11) AU-A-2020264303  
 (21) 2020264303 (22) 04.11.2020  
 (54) Crystallization process of aripiprazole derivatives in extended release formulations for treatment of schizophrenia  
 (51) Int. Cl.  
**A61K 31/496** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015306910  
 (72) Morales Jr., Wilfredo; Zeidan, Tarek A.; Charella, Renato A.; Wright, Steven G.; Perry, Jason M.  
 (74) Davies Collison Cave Pty Ltd

---

(71) Amgen Inc.  
 (11) AU-A-2020260443  
 (21) 2020260443 (22) 28.10.2020  
 (54) Regulating Ornithine Metabolism To Manipulate The High Mannose Glycoform Content Of Recombinant Proteins  
 (51) Int. Cl.  
**C12P 21/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 1/38** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**C12N 5/00** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2018226416  
**(72)** HUANG, Chung-Jr; BARKHORDARI-AN, Hedieh; BONDARENKO, Pavel; ZHANG, Zhongqi  
**(74)** WRAYS PTY LTD

**(71)** Angelico, B.; Attard, B.  
**(11)** AU-A-2020203014  
**(21)** 2020203014 **(22)** 06.05.2020  
**(54)** This is a method of producing Hydrogen gas using low grade forms of coal, in particular Lignite. The method makes use of the chemical reactivity of the Lignite. By using certain catalytic compounds at low temperatures facilitates the release of Hydrogen gas. It is carried out at low temperatures using the chemical process which in turn uses a catalysing compound (ferrite and other catalytic additives) to produce an exothermic reaction. This reaction produces the Hydrogen in large quantities.  
**(51)** Int. Cl.

**C01B 3/38** ( 2006.01 )  
**C10J 3/00** ( 2006.01 )  
**(31)** 2019901569 **(32)** 08.05.19 **(33)** AU  
**(43)** 26.11.2020  
**(72)** Angelico, Bruno Salvatore; Attard, Bradely  
**(74)** Bruno Salvatore Angelico

**(71)** Angel Playing Cards Co., Ltd.  
**(11)** AU-A-2020260553  
**(21)** 2020260553 **(22)** 30.10.2020  
**(54)** Chip measurement system  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 3/00** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2019202504  
**(72)** SHIGETA, Yasushi  
**(74)** FB Rice Pty Ltd

**(71)** Apellis Pharmaceuticals, Inc.  
**(11)** AU-A-2020260435  
**(21)** 2020260435 **(22)** 28.10.2020  
**(54)** Cell-reactive, long-acting, or targeted compstatin analogs and related compositions and methods  
**(51)** Int. Cl.  
**C07K 7/00** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2018247243  
**(72)** Francois, Cedric; Deschatelets, Pascal  
**(74)** FB Rice Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020239670  
**(21)** 2020239670 **(22)** 05.05.2020  
**(54)** Restricted operation of an electronic device  
**(51)** Int. Cl.

**G06F 3/01** ( 2006.01 )  
**(31)** 62/843,788 **(32)** 06.05.19 **(33)** US  
 62/856,032 01.06.19 US  
**(43)** 26.11.2020  
**(72)** KO, Heena; AGNOLI, Giovanni; CHEN, Kevin Will; CLARK, David; HAWKINS, Tyler; LEE, Catherine; LEMAY, Stephen O.; OLSEN, Reed E.; PATTON, Jennifer D.; SALZMAN, Paul W.; SCHIMON, David; SUNDSTROM, Matthew J.; WILSON, Christopher I.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020260413  
**(21)** 2020260413 **(22)** 27.10.2020  
**(54)** User interface for camera effects  
**(51)** Int. Cl.  
**G03B 19/22** ( 2006.01 )  
**G06F 3/0484** ( 2013.01 )  
**G06F 3/0488** ( 2013.01 )

**(43)** 26.11.2020  
**(62)** 2019213341  
**(72)** MANZARI, Behkish J.; PIVONKA, Pavel; DYE, Alan C.; LEMAY, Stephen O.; BEREZA, Marek; PRESTON, Daniel Trent; BRASKET, Jeffrey A.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020260488  
**(21)** 2020260488 **(22)** 29.10.2020  
**(54)** Touch screen device, method, and graphical user interface for determining commands by applying heuristics  
**(51)** Int. Cl.  
**G06F 3/041** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2018203219  
**(72)** JOBS, Steven P.; FORSTALL, Scott; CHRISTIE, Greg; LEMAY, Stephen O.; HERZ, Scott; VAN OS, Marcel; ORDING, Bas; NOVICK, Gregory; WESTERMAN, Wayne C.; CHAUDHRI, Imran; COFFMAN, Patrick Lee; KO-CIENDA, Kenneth; GANATRA, Nitin K.; WYLD, Jeremy A.; BUSH, Jeffrey; ANZURES, Freddy Allen; MATAS, Michael; MARCOS, Paul D.; PISULA, Charles J.; KING, Virgil Scott; BLUMENBERG, Chris; TOLMASKY, Francisco Ryan; WILLIAMSON, Richard; BOULE, Andre M.J.; LAMIRAUX, Henri C.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Applied LifeSciences and Systems, LLC  
**(11)** AU-A-2020260421  
**(21)** 2020260421 **(22)** 28.10.2020  
**(54)** AUTOMATIC SYSTEM AND METHOD FOR DELIVERING A SUBSTANCE INTO AN ANIMAL  
**(51)** Int. Cl.  
**A61D 7/00** ( 2006.01 )  
**A01K 9/00** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 11/06** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )

**(43)** 26.11.2020  
**(62)** 2016354532  
**(72)** KARIMPOUR, Ramin  
**(74)** The IP Studio

**(71)** Applied Medical Resources Corporation  
**(11)** AU-A-2020264274  
**(21)** 2020264274 **(22)** 03.11.2020  
**(54)** Surgical stapler having actuation mechanism with rotatable shaft  
**(51)** Int. Cl.  
**A61B 17/068** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2019204550  
**(72)** Patel, Atal; Covach, Jonathan; Reed, Christina N.; Johnson, Gary M.; Becerra, Matthew M.  
**(74)** Griffith Hack

**(71)** Applied Medical Resources Corporation  
**(11)** AU-A-2020264276  
**(21)** 2020264276 **(22)** 03.11.2020  
**(54)** Surgical stapler with expandable jaw  
**(51)** Int. Cl.  
**A61B 17/068** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2018253587  
**(72)** Covach, Jonathan; Becerra, Matthew M.; Johnson, Gary M.  
**(74)** Griffith Hack

**(71)** Arcadyan Technology Corporation  
**(11)** AU-A-2020202797  
**(21)** 2020202797 **(22)** 28.04.2020  
**(54)** BACKHAUL BANDWIDTH MANAGEMENT METHOD AND SYSTEM FOR WIRELESS NETWORK  
**(51)** Int. Cl.  
**H04W 88/02** ( 2009.01 )  
**H04W 84/14** ( 2009.01 )  
**(31)** 108116180 **(32)** 10.05.19 **(33)** TW  
**(43)** 26.11.2020  
**(72)** LEE, Chih-Fang; LIN, Ching-Fang  
**(74)** Churchill Attorneys

**(71)** Architectural Window Systems Pty Ltd  
**(11)** AU-A-2020260532  
**(21)** 2020260532 **(22)** 30.10.2020  
**(54)** A curtain wall  
**(51)** Int. Cl.  
**E04B 2/96** ( 2006.01 )  
**E06B 3/58** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2015202461  
**(72)** McCleary, Mark  
**(74)** Spruson & Ferguson

**(71)** Arcuate Therapeutics, Inc.  
**(11)** AU-A-2020260489  
**(21)** 2020260489 **(22)** 29.10.2020  
**(54)** Chiral peptides  
**(51)** Int. Cl.  
**C07K 7/04** ( 2006.01 )  
**A61K 38/07** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 26.11.2020  
 (62) 2017249218  
 (72) LEVIN, Andrew D.  
 (74) Spruson & Ferguson

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2019203273  
 (21) 2019203273 (22) 09.05.2019  
 (54) GAMING DEVICE WITH PRIZE SYMBOLS  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
 (43) 26.11.2020  
 (72) TAM, Billy; VISSER, Antoon; GUPTA, Lipi; SIDOTI, Alessandro; KENDALL, Karen Michelle  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2019203274  
 (21) 2019203274 (22) 09.05.2019  
 (54) GAMING DEVICE WITH MOVING SELECTABLE OBJECTS IN PRIZE AWARD PROCESS  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 13/00** ( 2014.01 )  
 (43) 26.11.2020  
 (72) TAM, Billy; VISSER, Antoon; GUPTA, Lipi; SIDOTI, Alessandro; KENDALL, Karen Michelle  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2019203275  
 (21) 2019203275 (22) 09.05.2019  
 (54) GAMING DEVICE WITH BASE GAME AND FEATURE GAME OPTIONS  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
 (43) 26.11.2020  
 (72) TAM, Billy; VISSER, Antoon; GUPTA, Lipi; SIDOTI, Alessandro; KENDALL, Karen Michelle  
 (74) Griffith Hack

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(71) Aspire Wellness Pty Ltd  
 (11) AU-A-2020203015  
 (21) 2020203015 (22) 06.05.2020  
 (54) A SUIT, A SYSTEM AND A METHOD FOR IMPROVING POSTURE  
 (51) Int. Cl.  
**A61F 5/02** ( 2006.01 )  
**A41D 13/00** ( 2006.01 )  
**A63B 23/02** ( 2006.01 )  
 (31) 2019901532 (32) 06.05.19 (33) AU  
 (43) 26.11.2020  
 (72) FRAGOPOULOS, George  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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Attard, B. see Angelico, B.  
 (21) 2020203014

(71) Auckland UniServices Limited  
 (11) AU-A-2020264313  
 (21) 2020264313 (22) 04.11.2020  
 (54) MULTI POWER SOURCED ELECTRIC VEHICLE  
 (51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019200059  
 (72) Boys, John Talbot; Covic, Grant Anthony  
 (74) AJ Park

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(71) BASF Plant Science GmbH  
 (11) AU-A-2020260573  
 (21) 2020260573 (22) 30.10.2020  
 (54) AHAS mutants  
 (51) Int. Cl.  
**A01H 5/00** ( 2006.01 )  
**A01H 5/10** ( 2006.01 )  
**C12N 9/88** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018201879  
 (72) McElver, John A.; Singh, Bijay  
 (74) Griffith Hack

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(71) Bavarian Nordic A/S  
 (11) AU-A-2020260472  
 (21) 2020260472 (22) 29.10.2020  
 (54) SINGLE HIGH DOSE OF MVA INDUCES A PROTECTIVE IMMUNE RESPONSE IN NEONATES AND INFANTS  
 (51) Int. Cl.  
**A61K 39/165** ( 2006.01 )  
**A61K 39/285** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019200977  
 (72) Cheminay, Cédric; Volkmann, Ariane; Chaplin, Paul; Suter, Mark  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Bedgear, LLC  
 (11) AU-A-2020260552  
 (21) 2020260552 (22) 30.10.2020  
 (54) Ambient Bed Having a Heat Reclaim System  
 (51) Int. Cl.  
**A47C 21/04** ( 2006.01 )  
**A61G 7/057** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018278873  
 (72) Alletto Jr., Eugene; Rad, Vandad Barzin  
 (74) Michael Buck IP

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(71) Bedgear, LLC  
 (11) AU-A-2020264306  
 (21) 2020264306 (22) 04.11.2020  
 (54) Ambient Bed Having a Heat Reclaim System  
 (51) Int. Cl.  
**A47C 21/04** ( 2006.01 )  
**A61G 7/057** ( 2006.01 )

(43) 26.11.2020  
 (62) 2018278875  
 (72) Alletto Jr., Eugene; Barzin Rad, Vandad  
 (74) Michael Buck IP

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(71) BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.  
 (11) AU-A-2020259040  
 (21) 2020259040 (22) 26.10.2020  
 (54) SYSTEMS AND METHODS FOR DETERMINING ESTIMATED TIME OF ARRIVAL  
 (51) Int. Cl.  
**G08G 1/01** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2017417171  
 (72) ZHONG, Xiaowei; WANG, Ziteng; WANG, Zheng  
 (74) Caska IP Pty Ltd

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(71) Beijing Voyager Technology Co., Ltd.  
 (11) AU-A-2020260474  
 (21) 2020260474 (22) 29.10.2020  
 (54) Systems and methods for processing traffic objects  
 (51) Int. Cl.  
**G08G 1/00** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018286593  
 (72) Guan, Jian  
 (74) Shelston IP Pty Ltd.

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(71) BioCryst Pharmaceuticals, Inc.  
 (11) AU-A-2020260400  
 (21) 2020260400 (22) 27.10.2020  
 (54) Human plasma kallikrein inhibitors  
 (51) Int. Cl.  
**C07D 231/14** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015226855  
 (72) KOTIAN, Pravin L.; BABU, Yarlagadda S.; WU, Minwan; CHINTAREDDY, Venkat R.; KUMAR, V. Satish; ZHANG, Weihe  
 (74) FB Rice Pty Ltd

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(71) Boehringer Ingelheim Vetmedica GmbH  
 (11) AU-A-2020260405  
 (21) 2020260405 (22) 27.10.2020  
 (54) Connecting and container system  
 (51) Int. Cl.  
**A61J 1/16** ( 2006.01 )  
**A61J 1/20** ( 2006.01 )  
**B65D 8/00** ( 2006.01 )  
**B65D 21/02** ( 2006.01 )  
**B65D 25/08** ( 2006.01 )  
**B65D 51/24** ( 2006.01 )  
**B65D 81/32** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2016279559  
 (72) RAHMEL, Marcus Rainer; ENDERT, Guido; RUF, Jonas; WERGEN, Horst  
 (74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- 
- (71) Buffalo Filter LLC  
 (11) AU-A-2020260420  
 (21) 2020260420 (22) 27.10.2020  
 (54) Method and apparatus for attachment and evacuation  
 (51) Int. Cl.  
**A61B 18/00** ( 2006.01 )  
**B01D 53/00** ( 2006.01 )
- (43) 26.11.2020  
 (62) 2016370636  
 (72) Hersey, Timothy; Shvetsov, Kyrylo; Pepe, Greg; Bonano, Samantha; Callahan, Joseph P.  
 (74) Griffith Hack
- 
- (71) Caiben Pty Ltd  
 (11) AU-A-2020203016  
 (21) 2020203016 (22) 07.05.2020  
 (54) APPARATUS FOR A GAME AND RELATED METHOD  
 (51) Int. Cl.  
**A63F 1/04** ( 2006.01 )
- (31) 2019901546 (32) 07.05.19 (33) AU  
 (43) 26.11.2020  
 (72) Smith, Craig  
 (74) Daniel Rosenthal
- 
- (71) Canon Kabushiki Kaisha  
 (11) AU-A-2020260580  
 (21) 2020260580 (22) 30.10.2020  
 (54) Rotational force transmitting part  
 (51) Int. Cl.  
**G03G 21/18** ( 2006.01 )  
**G03G 21/16** ( 2006.01 )
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 (62) 2019268126  
 (72) MORIOKA, Masanari; UENO, Takahito; MIYABE, Shigeo; HISANO, Masato  
 (74) Spruson & Ferguson
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- (71) Cantor Index LLC  
 (11) AU-A-2020260461  
 (21) 2020260461 (22) 29.10.2020  
 (54) SYSTEM AND METHOD FOR WAGERING IN A FINANCIAL MARKET ENVIRONMENT  
 (51) Int. Cl.  
**G06Q 30/00** ( 2006.01 )  
**G06Q 40/00** ( 2006.01 )  
**G06Q 40/04** ( 2012.01 )  
**G06Q 50/00** ( 2006.01 )  
**G06Q 50/34** ( 2012.01 )
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 (62) 2019222896  
 (72) RICHES, Guy Iain Oliver; DAVIE, Christopher J.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) CFPH, L.L.C.  
 (11) AU-A-2020260477  
 (21) 2020260477 (22) 29.10.2020  
 (54) Methods and apparatus for electronic file use and management  
 (51) Int. Cl.  
**A61N 1/04** ( 2006.01 )  
**H04K 1/00** ( 2006.01 )
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 (62) 2018264102  
 (72) Lutnick, Howard W.; Alderucci, Dean P.  
 (74) FB Rice Pty Ltd
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- (71) CFPH, LLC  
 (11) AU-A-2020260438  
 (21) 2020260438 (22) 28.10.2020  
 (54) AMUSEMENT DEVICES AND GAMES INVOLVING MULTIPLE OPERATORS, MULTIPLE PLAYERS, AND/OR MULTIPLE JURISDICTIONS  
 (51) Int. Cl.  
**G06F 17/00** ( 2006.01 )
- (43) 26.11.2020  
 (62) 2019216669  
 (72) Amaitis, Lee; Flaherty, Philip  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Citrix Systems, Inc.  
 (11) AU-A-2020257147  
 (21) 2020257147 (22) 23.10.2020  
 (54) Computer system providing hierarchical display remoting optimized with user and system hints and related methods  
 (51) Int. Cl.  
**G06F 9/451** ( 2018.01 )
- (43) 26.11.2020  
 (62) 2019262610  
 (72) MOMCHILOV, Georgy  
 (74) Spruson & Ferguson
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- (71) Comino, J.  
 (11) AU-A-2020202987  
 (21) 2020202987 (22) 06.05.2020  
 (54) CHECK VALVE ASSEMBLY  
 (51) Int. Cl.  
**F16K 27/02** ( 2006.01 )  
**F16K 15/00** ( 2006.01 )  
**F16K 15/18** ( 2006.01 )  
**F16K 43/00** ( 2006.01 )
- (31) 2019901553 (32) 07.05.19 (33) AU  
 2020900969 30.03.20 AU  
 (43) 26.11.2020  
 (72) Comino, John Alexander  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) Contego Medical, LLC  
 (11) AU-A-2020260431  
 (21) 2020260431 (22) 28.10.2020  
 (54) TRANSLUMINAL ANGIOPLASTY DEVICES AND METHODS OF USE  
 (51) Int. Cl.  
**A61F 2/01** ( 2006.01 )  
**A61F 2/852** ( 2013.01 )  
**A61F 2/915** ( 2013.01 )  
**A61F 2/958** ( 2013.01 )  
**A61F 2/966** ( 2013.01 )
- (43) 26.11.2020  
 (62) 2016344149  
 (72) Sachar, Ravish; Patel, Udayan; Serina, Eugene  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Covidien LP  
 (11) AU-A-2020202420  
 (21) 2020202420 (22) 07.04.2020  
 (54) Seal assemblies for surgical access assemblies  
 (51) Int. Cl.  
**A61B 17/34** ( 2006.01 )
- (31) 16/407,424 (32) 09.05.19 (33) US  
 (43) 26.11.2020  
 (72) EBERSOLE, Garrett; DESJARDIN, Kevin; LaPIERRE, Nicolette; DININO, Matthew; BROWN, Eric; PILLETIERE, Roy  
 (74) Spruson & Ferguson
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- (71) Covidien LP  
 (11) AU-A-2020202494  
 (21) 2020202494 (22) 14.04.2020  
 (54) Surgical stapling device  
 (51) Int. Cl.  
**A61B 17/068** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )
- (31) 62/844,861 (32) 08.05.19 (33) US  
 16/839,302 03.04.20 US  
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 (74) Spruson & Ferguson
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 (11) AU-A-2020202569  
 (21) 2020202569 (22) 16.04.2020  
 (54) Surgical stapling device  
 (51) Int. Cl.  
**A61B 17/068** ( 2006.01 )
- (31) 16/839,253 (32) 03.04.20 (33) US  
 62/844,879 08.05.19 US  
 (43) 26.11.2020  
 (72) SCHULZ-JANDER, Daniel  
 (74) Spruson & Ferguson
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- (71) Covidien LP  
 (11) AU-A-2020202631  
 (21) 2020202631 (22) 17.04.2020  
 (54) Surgical stapling device  
 (51) Int. Cl.  
**A61B 17/068** ( 2006.01 )
- (31) 16/839,332 (32) 03.04.20 (33) US  
 62/844,870 08.05.19 US  
 (43) 26.11.2020  
 (72) HODGKINSON, Gerald N.; SOLTZ, Michael A.; HUSSAINI, Sulaiman; SEDLIK, Souad  
 (74) Spruson & Ferguson
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- (71) Covidien LP  
 (11) AU-A-2020260412  
 (21) 2020260412 (22) 27.10.2020  
 (54) Systems and assemblies for mounting a surgical accessory to robotic surgical systems, and providing access therethrough  
 (51) Int. Cl.  
**A61B 90/57** ( 2016.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )

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**(62)** 2019205201  
**(72)** TRAINA, Zachary  
**(74)** Spruson & Ferguson

**(71)** Covidien LP  
**(11)** AU-A-2020260417  
**(21)** 2020260417 **(22)** 27.10.2020  
**(54)** Surgical robotic systems  
**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2019232675  
**(72)** KAPADIA, Jaimeen  
**(74)** Spruson & Ferguson

**(71)** Creo Medical Limited  
**(11)** AU-A-2020260432  
**(21)** 2020260432 **(22)** 28.10.2020  
**(54)** ELECTROSURGICAL INSTRUMENT WITH IMPEDANCE TRANSFORMER FOR DELIVERING MICROWAVE ENERGY  
**(51)** Int. Cl.  
**A61B 18/12** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2016278100  
**(72)** Hancock, Christopher Paul; White, Malcolm; Burn, Patrick  
**(74)** AJ PARK

**(71)** Deere & Company  
**(11)** AU-A-2020202548  
**(21)** 2020202548 **(22)** 15.04.2020  
**(54)** Seed meter assembly and metering member for small grains  
**(51)** Int. Cl.  
**A01C 7/04** ( 2006.01 )  
**(31)** 16/409,418 **(32)** 10.05.19 **(33)** US  
**(43)** 26.11.2020  
**(72)** Garner, Elijah B.; Wolfs, Beth A.; Samuelson, Jerry  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Designa Inc.  
**(11)** AU-A-2020203072  
**(21)** 2020203072 **(22)** 08.05.2020  
**(54)** A SUPPORTING ARM FOR A STORAGE RACK  
**(51)** Int. Cl.  
**A47B 96/06** ( 2006.01 )  
**(31)** 201920675522.X **(32)** 10.05.19 **(33)** CN  
**(43)** 26.11.2020  
**(72)** Hu, Yajun  
**(74)** Madderns Pty Ltd

**(71)** Designa Inc.  
**(11)** AU-A-2020239659  
**(21)** 2020239659 **(22)** 11.05.2020  
**(54)** A side frame and a storage rack comprising thereof  
**(51)** Int. Cl.  
**A47B 47/00** ( 2006.01 )

**A47B 96/00** ( 2006.01 )  
**A47B 96/06** ( 2006.01 )  
**(31)** 201910389656.X **(32)** 10.05.19 **(33)** CN  
**(43)** 26.11.2020  
**(72)** HU, Yajun  
**(74)** Madderns Pty Ltd

**(71)** Dicerna Pharmaceuticals, Inc.  
**(11)** AU-A-2020260479  
**(21)** 2020260479 **(22)** 29.10.2020  
**(54)** Methods and Compositions for the Specific Inhibition of Alpha-1 Antitrypsin by Double-Stranded RNA  
**(51)** Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(43)** 26.11.2020  
**(62)** 2014284298  
**(72)** Brown, Bob D.; Dudek, Henryk T.  
**(74)** WRAYS PTY LTD

**(71)** DS Biopharma Limited  
**(11)** AU-A-2020260433  
**(21)** 2020260433 **(22)** 28.10.2020  
**(54)** Pharmaceutical compositions comprising DGLA and use of same  
**(51)** Int. Cl.  
**A61K 31/202** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2015270418  
**(72)** MANKU, Mehar; COUGHLAN, David; CLIMAX, John; DUNNE, James  
**(74)** Spruson & Ferguson

**(71)** E. I. DU PONT DE NEMOURS AND COMPANY; PIONEER HI-BRED INTERNATIONAL, INC.  
**(11)** AU-A-2020264325  
**(21)** 2020264325 **(22)** 04.11.2020  
**(54)** PLANT GENOME MODIFICATION USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS AND METHODS OF USE  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2014308896  
**(72)** CIGAN, Andrew; FALCO, Saverio Carl; GAO, Huirong; LI, Zhongsen; LIU, Zhan-Bin; LYZNIK, L. Aleksander; SHI, Jinrui; SVITASHEV, Sergei; YOUNG, Joshua K.  
**(74)** Houlihan<sup>2</sup> Pty Ltd

**(71)** Eberhard Karls Universitaet Tuebingen Medizinische Fakultaat  
**(11)** AU-A-2020264302  
**(21)** 2020264302 **(22)** 04.11.2020  
**(54)** Recombinant Orf virus vector  
**(51)** Int. Cl.  
**C12N 15/863** ( 2006.01 )

**(43)** 26.11.2020  
**(62)** 2016294855  
**(72)** Rziha, Hanns-Joachim; Amann, Ralf  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Elcam Medical Agricultural Cooperative Association Ltd.  
**(11)** AU-A-2020260561  
**(21)** 2020260561 **(22)** 30.10.2020  
**(54)** Injector  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2019202474  
**(72)** RADAY, Lior; CARMEL, Ehud; MARELI, Lior; DAILY, David; KEENAN, Guy  
**(74)** Spruson & Ferguson

**(71)** Elekta, Inc.  
**(11)** AU-A-2020264304  
**(21)** 2020264304 **(22)** 04.11.2020  
**(54)** ADAPTIVE RADIOTHERAPY SYSTEM  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06T 7/30** ( 2017.01 )  
**(43)** 26.11.2020  
**(62)** 2018330066  
**(72)** Moreau, Michel; Willcut, Virgil Matthew  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Eli Lilly and Company  
**(11)** AU-A-2020260493  
**(21)** 2020260493 **(22)** 29.10.2020  
**(54)** 7-phenylethylamino-4H-pyrimido[4,5-d][1,3]oxazin-2-one compounds as mutant IDH1 and IDH2 inhibitors  
**(51)** Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/5365** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2017378060  
**(72)** Bauer, Renato Alejandro; Boulet, Serge Louis; Burkholder, Timothy Paul; Gilmour, Raymond; Hahn, Patric James; Rankovic, Zoran  
**(74)** Spruson & Ferguson

**(71)** Ellergon Antriebstechnik Gesellschaft m.b.H.  
**(11)** AU-A-2020202245  
**(21)** 2020202245 **(22)** 30.03.2020  
**(54)** STARTING DEVICE FOR FOIL SURFING  
**(51)** Int. Cl.  
**B63B 32/60** ( 2020.01 )  
**B63B 34/45** ( 2020.01 )  
**B63H 8/50** ( 2020.01 )  
**(31)** 102019111856.5 **(32)** 07.05.19 **(33)** DE  
**(43)** 26.11.2020  
**(72)** GEISLINGER, Cornelius; BRANDSTAETTER, Andreas  
**(74)** Halfords IP

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 (11) AU-A-2020264265  
 (21) 2020264265 (22) 02.11.2020  
 (54) Devices for wound closure  
 (51) Int. Cl.  
     **A61F 13/00** ( 2006.01 )  
     **A61F 13/02** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015409656  
 (72) QUINTERO, Julian A.  
 (74) Spruson & Ferguson

(71) EURONET USA LLC  
 (11) AU-A-2020260548  
 (21) 2020260548 (22) 30.10.2020  
 (54) FINANCIAL SWITCHING ENGINE AND MESSAGING  
 (51) Int. Cl.  
     **G06Q 30/06** ( 2012.01 )  
     **G06Q 20/02** ( 2012.01 )  
 (43) 26.11.2020  
 (62) 2015261789  
 (72) Bruckner, Martin  
 (74) AJ PARK

(71) FCX Solar LLC  
 (11) AU-A-2020260458  
 (21) 2020260458 (22) 29.10.2020  
 (54) SOLAR TRACKER SYSTEM  
 (51) Int. Cl.  
     **H02S 20/32** ( 2014.01 )  
     **F24S 30/00** ( 2018.01 )  
     **F24S 30/40** ( 2018.01 )  
     **H02S 20/00** ( 2014.01 )  
     **H02S 20/30** ( 2014.01 )  
 (43) 26.11.2020  
 (62) 2019222676  
 (72) Needham, Christopher Thomas; Oudheusden, Frank Carl  
 (74) RnB IP Pty Ltd

(71) FiberLean Technologies Limited  
 (11) AU-A-2020260528  
 (21) 2020260528 (22) 30.10.2020  
 (54) Re-dispersed microfibrillated cellulose  
 (51) Int. Cl.  
     **D21H 11/18** ( 2006.01 )  
     **D21H 17/25** ( 2006.01 )  
     **D21H 17/69** ( 2006.01 )  
     **D21H 19/10** ( 2006.01 )  
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 (62) 2019257454  
 (72) WINDEBANK, Mark; SKUSE, David; ADAMS, Madeleine; TELLIER, Guillaume  
 (74) Spruson & Ferguson

(71) Forma Therapeutics, Inc.  
 (11) AU-A-2020260523  
 (21) 2020260523 (22) 30.10.2020  
 (54) 3-alkyl-4-amido-bicyclic [4,5,0] hydroxamic acids as HDAC inhibitors  
 (51) Int. Cl.  
     **C07D 403/06** ( 2006.01 )  
     **A61K 31/551** ( 2006.01 )  
     **A61K 31/553** ( 2006.01 )

**A61P 35/00** ( 2006.01 )  
**C07D 243/14** ( 2006.01 )  
**C07D 267/12** ( 2006.01 )  
**C07D 413/06** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2016215432  
 (72) Zheng, Xiaozhang; Ng, Pui Yee; Han, Bingsong; Thomason, Jennifer R.; Zablocki, Mary-Margaret; Liu, Cuixian; Davis, Heather; Rudnitskaya, Aleksandra; Lancia Jr., David; Blair, Kenneth W.; Millan, David S.; Martin, Matthew W.  
 (74) Davies Collison Cave Pty Ltd

(71) Genzyme Corporation  
 (11) AU-A-2020264316  
 (21) 2020264316 (22) 04.11.2020  
 (54) Assays for detecting the presence or amount of an anti-drug antibody  
 (51) Int. Cl.  
     **G01N 33/564** ( 2006.01 )  
     **G01N 33/68** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015217261  
 (72) Ryan, Grabert; Susan, Richards; Valerie, Theobald; Yuanxin, Xu; Jad, Zoghbi  
 (74) Griffith Hack

(71) Gilead Pharmasset LLC  
 (11) AU-A-2020264335  
 (21) 2020264335 (22) 05.11.2020  
 (54) Processes for preparing antiviral compounds  
 (51) Int. Cl.  
     **C07D 491/052** ( 2006.01 )  
     **A61K 31/4188** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2018204886  
 (72) Allan, Kevin M.; Fujimori, Shinji; Heumann, Lars V.; Huynh, Grace May; Keaton, Katie Ann; Levins, Christopher M.; Pamulapati, Ganapati Reddy; Roberts, Benjamin James; Sarma, Keshab; Teresk, Martin Gerald; Wang, Xiang; Wolckenhauer, Scott Alan  
 (74) FPA Patent Attorneys Pty Ltd

(71) Google LLC  
 (11) AU-A-2020260536  
 (21) 2020260536 (22) 30.10.2020  
 (54) Efficient live-migration of remotely accessed data  
 (51) Int. Cl.  
     **G06F 9/50** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019257477  
 (72) SANDERSON, Tyler  
 (74) Spruson & Ferguson

(71) Gracernote, Inc.  
 (11) AU-A-2020260513  
 (21) 2020260513 (22) 29.10.2020  
 (54) Targeted ad redistribution  
 (51) Int. Cl.  
     **G06Q 30/02** ( 2012.01 )

(43) 26.11.2020  
 (62) 2015229449  
 (72) BRENNER, Vadim; CREMER, Markus K.  
 (74) FB Rice Pty Ltd

(71) Grünenthal GmbH  
 (11) AU-A-2020264314  
 (21) 2020264314 (22) 04.11.2020  
 (54) Salts or co-crystals of 3-(3-dimethylamino-1-ethyl-2-methyl-propyl)-phenol  
 (51) Int. Cl.  
     **C07D 275/06** ( 2006.01 )  
     **A61K 31/137** ( 2006.01 )  
     **C07C 59/255** ( 2006.01 )  
     **C07C 215/54** ( 2006.01 )  
     **C07D 239/545** ( 2006.01 )  
     **C07D 291/06** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2020202700  
 (72) GRUSS, Michael; KRASZEWSKI, Magda  
 (74) Spruson & Ferguson

(71) Guardant Health, Inc.  
 (11) AU-A-2020264326  
 (21) 2020264326 (22) 04.11.2020  
 (54) Detection and treatment of disease exhibiting disease cell heterogeneity and systems and methods for communicating test results  
 (51) Int. Cl.  
     **C12Q 1/68** ( 2006.01 )  
     **C12N 15/11** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015374259  
 (72) Eltoukhy, Helmy; Talasaz, AmirAli; Kermani, Bahram Ghaffarzadeh; Ihuegbu, Nnamdi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) H. Lee Moffitt Cancer Center and Research Institute, Inc.; University of South Florida  
 (11) AU-A-2020256412  
 (21) 2020256412 (22) 15.10.2020  
 (54) TUMOR-INFILTRATING LYMPHOCYTES FOR ADOPTIVE CELL THERAPY  
 (51) Int. Cl.  
     **A61P 35/00** ( 2006.01 )  
     **C07K 14/705** ( 2006.01 )  
     **C12N 5/0783** ( 2010.01 )  
 (43) 26.11.2020  
 (62) 2015231041  
 (72) Sarnaik, Amod A.; Pilon-Thomas, Shari; McLaughlin, Mark L.; Liu, Hao  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Halliburton Energy Services, Inc.  
 (11) AU-A-2020264321  
 (21) 2020264321 (22) 04.11.2020  
 (54) Releasable connection mechanism for use within a well  
 (51) Int. Cl.

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**E21B 23/00** ( 2006.01 )  
**E21B 43/10** ( 2006.01 )  
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**(62)** 2017272167  
**(72)** EL MALLAWANY, Ibrahim; MINASSA, Lorenzo B.; LINDNER Jr., Henry P.  
**(74)** Spruson & Ferguson

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**(71)** HandyLab, Inc.  
**(11)** AU-A-2020264323  
**(21)** 2020264323 **(22)** 04.11.2020  
**(54)** PROCESSING POLYNUCLEOTIDE-CONTAINING SAMPLES  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**B01F 5/06** ( 2006.01 )  
**B01F 13/00** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**B01L 7/00** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**F16K 99/00** ( 2006.01 )  
**B01L 3/14** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2018200698  
**(72)** Wu, Betty; Althaus, John S.; Brahmasandra, Sundares N.; Phadke, Nikhil; Handique, Kalyan  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Haynes, S.  
**(11)** AU-A-2020203199  
**(21)** 2020203199 **(22)** 15.05.2020  
**(54)** Improved Foodstuffs Container  
**(51)** Int. Cl.  
**A47G 19/18** ( 2006.01 )  
**A47J 43/28** ( 2006.01 )  
**(31)** 2019901596 **(32)** 10.05.19 **(33)** AU  
**(43)** 26.11.2020  
**(72)** Haynes, Simon Michael  
**(74)** Simon Michael Haynes

**(71)** Healthair Pty Ltd  
**(11)** AU-A-2019203261  
**(21)** 2019203261 **(22)** 09.05.2019  
**(54)** FILTER FRAME FOR AIR CONDITIONERS  
**(51)** Int. Cl.  
**F24F 13/28** ( 2006.01 )  
**B01D 46/10** ( 2006.01 )  
**(43)** 26.11.2020  
**(72)** Seminara, Ross  
**(74)** Murray Trento & Associates Pty Ltd

**(71)** Hip Innovation Technology, LLC  
**(11)** AU-A-2020260529  
**(21)** 2020260529 **(22)** 30.10.2020  
**(54)** BALL AND CUP IMPACTORS FOR IMPLANTING A HIP PROSTHESIS  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )

**(43)** 26.11.2020  
**(62)** 2016298061  
**(72)** Termanini, Zafer; Vanhiel, Brian; Charles, Kirk  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Hip Innovation Technology, LLC  
**(11)** AU-A-2020260530  
**(21)** 2020260530 **(22)** 30.10.2020  
**(54)** BALL AND CUP IMPACTORS FOR IMPLANTING A HIP PROSTHESIS  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2016298061  
**(72)** Termanini, Zafer; Vanhiel, Brian; Charles, Kirk  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Hussmann Corporation  
**(11)** AU-A-2020264293  
**(21)** 2020264293 **(22)** 03.11.2020  
**(54)** Case frame and door assembly for a merchandiser  
**(51)** Int. Cl.  
**E06B 1/52** ( 2006.01 )  
**A47F 3/04** ( 2006.01 )  
**E06B 3/36** ( 2006.01 )  
**(43)** 26.11.2020  
**(62)** 2016427789  
**(72)** TWOHY, Raymond P.; PARMENTER, Delanie M.; SCHNUR, Daniel E.  
**(74)** Griffith Hack

**(71)** iAxept Limited  
**(11)** AU-A-2020260506  
**(21)** 2020260506 **(22)** 29.10.2020  
**(54)** Remote transaction system, method and point of sale terminal  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**(43)** 26.11.2020  
**(62)** 2015238048  
**(72)** SAVOLAINEN, Risto; JAYET, Stephane  
**(74)** Spruson & Ferguson

**(71)** Icahn School of Medicine at Mount Sinai  
**(11)** AU-A-2020264332  
**(21)** 2020264332 **(22)** 04.11.2020  
**(54)** SYSTEMS AND METHODS FOR TREATING A PSYCHIATRIC DISORDER  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
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**(72)** Iacoviello, Brian M.; Charney, Dennis S.  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** ICON Engineering Pty Ltd  
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**(54)** RISER TENSION PROTECTOR AND METHOD OF USE THEREOF  
**(51)** Int. Cl.  
**E21B 17/10** ( 2006.01 )  
**E21B 15/02** ( 2006.01 )  
**E21B 17/01** ( 2006.01 )  
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**(62)** 2018271282  
**(72)** PLAIN, Steven  
**(74)** Griffith Hack

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**(71)** Idemia Identity & Security France  
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**(21)** 2020202422 **(22)** 08.04.2020  
**(54)** METHOD OF SECURE CLASSIFICATION OF INPUT DATA BY MEANS OF A CONVOLUTIONAL NEURAL NETWORK  
**(51)** Int. Cl.  
**G06N 3/02** ( 2006.01 )  
**G06K 9/62** ( 2006.01 )  
**G06N 3/08** ( 2006.01 )  
**(31)** 1904778 **(32)** 07.05.19 **(33)** FR  
**(43)** 26.11.2020  
**(72)** CHABANNE, Herve; DESPIEGEL, Vincent  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** IGT  
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**(21)** 2020201124 **(22)** 17.02.2020  
**(54)** System, Device, and Method to Detect Unusual Activity in Electronic Records  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(31)** 16/407,445 **(32)** 09.05.19 **(33)** US  
**(43)** 26.11.2020  
**(72)** Higgins, Kevin; Shepherd, Jeffery  
**(74)** Clark Intellectual Property Pty Ltd

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**(54)** Anti-FOLR1 immunoconjugate dosing regimens  
**(51)** Int. Cl.  
**A61L 9/03** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**(71)** Infestation Tracking Systems Pty. Ltd.  
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**A61L 27/22** ( 2006.01 )  
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**C11B 3/02** ( 2006.01 )
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 (74) A.P.T. Patent and Trade Mark Attorneys
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**A61K 31/7048** ( 2006.01 )  
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**C07H 21/04** ( 2006.01 )  
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**A45C 11/20** ( 2006.01 )  
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**C07K 16/22** ( 2006.01 )
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**A61F 2/44** ( 2006.01 )
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**G06Q 50/06** ( 2012.01 )
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 (74) Davies Collison Cave Pty Ltd
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- (71) Kop-Coat, Inc.  
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**A01N 25/30** ( 2006.01 )  
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**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-A-2020201512  
**(21)** 2020201512 **(22)** 28.02.2020  
**(54)** Method of Processing an Intact Animal Carcass  
**(51)** Int. Cl.  
**A22B 5/00** ( 2006.01 )  
**A22B 5/08** ( 2006.01 )  
**A22B 7/00** ( 2006.01 )  
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**(74)** Walker IP

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**(71)** LANDA LABS (2012) LTD  
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**(21)** 2020260419 **(22)** 27.10.2020  
**(54)** METHOD OF MANUFACTURING A MULTI-LAYER ARTICLE  
**(51)** Int. Cl.  
**B32B 37/00** ( 2006.01 )  
**B32B 27/28** ( 2006.01 )  
**B41J 2/22** ( 2006.01 )  
**B32B 37/24** ( 2006.01 )  
**B32B 37/26** ( 2006.01 )  
**B32B 38/00** ( 2006.01 )  
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**(72)** LANDA, Benzion; ABRAMOVICH, Sagi; LEVANON, Moshe; CHECHIK, Helena  
**(74)** Belyea IP

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**(71)** Lippert Components Inc.  
**(11)** AU-A-2020202983  
**(21)** 2020202983 **(22)** 05.05.2020  
**(54)** Vehicle Leveling Using Handheld Mobile Device  
**(51)** Int. Cl.  
**B60S 9/02** ( 2006.01 )  
**B60G 17/019** ( 2006.01 )  
**G01C 9/00** ( 2006.01 )  
**(31)** 62/844,200 **(32)** 07.05.19 **(33)** US  
**(43)** 26.11.2020  
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**(74)** WRAYS PTY LTD

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**(71)** Littlejohn, J.  
**(11)** AU-A-2020202951  
**(21)** 2020202951 **(22)** 04.05.2020  
**(54)** Fireplace apparatus  
**(51)** Int. Cl.  
**F24B 1/195** ( 2006.01 )  
**F24B 1/181** ( 2006.01 )  
**(31)** 2019901565 **(32)** 08.05.19 **(33)** AU

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**(74)** Actuate Patents

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**(11)** AU-A-2020260503  
**(21)** 2020260503 **(22)** 29.10.2020  
**(54)** Preoperative planning and associated intraoperative registration for a surgical system  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 17/3209** ( 2006.01 )  
**A61B 34/10** ( 2016.01 )  
**A61B 34/30** ( 2016.01 )  
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**(72)** OTTO, Jason Karl; ABBASI, Abdullah Zafar; IKITS, Milan; PEREZ, Daniel; MU, Shang; LI, Xiping; CHANG, Ta-Cheng  
**(74)** Spruson & Ferguson

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**(71)** Mauri Technology B.V.  
**(11)** AU-A-2020256357  
**(21)** 2020256357 **(22)** 14.10.2020  
**(54)** Method for Preparing a Flour Tortilla  
**(51)** Int. Cl.  
**A23D 9/05** ( 2006.01 )  
**A21D 2/16** ( 2006.01 )  
**A21D 13/42** ( 2017.01 )  
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**(54)** CELL CULTURE METHODS AND MEDIA COMPRISING N-ACETYLCYSTEINE  
**(51)** Int. Cl.  
**C12P 21/02** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )  
**C12N 5/02** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**(21)** 2020260382 **(22)** 23.10.2020  
**(54)** SPRAYING APPARATUS AND METHODS AND COMPONENTS RELATING TO SPRAYING APPARATUS  
**(51)** Int. Cl.  
**B05B 3/00** ( 2006.01 )  
**B05B 7/04** ( 2006.01 )  
**B05B 7/26** ( 2006.01 )  
**B05B 12/00** ( 2006.01 )

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**(54)** Protease-cleavage resistant, Shiga toxin A Subunit effector polypeptides and cell-targeted molecules comprising the same  
**(51)** Int. Cl.  
**C07K 14/195** ( 2006.01 )  
**C07K 14/245** ( 2006.01 )  
**C07K 14/25** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
**C12N 9/24** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
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**(72)** Poma, Eric; Willert, Erin; Higgins, Jack; Kim, Jason  
**(74)** FPA Patent Attorneys Pty Ltd

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**(21)** 2020202679 **(22)** 22.04.2020  
**(54)** DEVICE, SYSTEM AND METHOD FOR INSTALLING ENCRYPTED DATA  
**(51)** Int. Cl.  
**G06F 21/60** ( 2013.01 )  
**H04L 9/30** ( 2006.01 )  
**(31)** 16/405,454 **(32)** 07.05.19 **(33)** US  
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**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-A-2020260554  
**(21)** 2020260554 **(22)** 14.10.2020  
**(54)** Horizontal push-type window opener  
**(51)** Int. Cl.  
**E05F 15/635** ( 2015.01 )  
**(31)** 201911314998.1 **(32)** 19.12.19 **(33)** CN  
**(43)** 26.11.2020  
**(72)** WANG, Qiang; SONG, Shuaidi; CHENG, Aoshuang; LIN, Fan; SONG, Tan; SHENG, Chunhua; CAO, Rui  
**(74)** Madderns Pty Ltd

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**(71)** Nantong University  
**(11)** AU-A-2020260562  
**(21)** 2020260562 **(22)** 14.10.2020  
**(54)** Solar panel mounting bracket  
**(51)** Int. Cl.  
**F24S 25/63** ( 2018.01 )  
**H02S 20/30** ( 2014.01 )  
**(31)** 201911315000.X **(32)** 19.12.19 **(33)** CN

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(54) Excavation support system and methods for installing same  
(51) Int. Cl.  
E02D 17/04 ( 2006.01 )  
E02D 5/00 ( 2006.01 )  
E02D 17/08 ( 2006.01 )  
E02D 29/045 ( 2006.01 )
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E04D 13/158 ( 2006.01 )  
E04D 3/30 ( 2006.01 )  
E04F 13/08 ( 2006.01 )  
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H04N 21/2343 ( 2011.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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G06Q 30/02 ( 2012.01 )  
G06F 16/00 ( 2019.01 )  
G06Q 30/06 ( 2012.01 )
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(51) Int. Cl.  
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(74) Patentec Patent Attorneys
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(51) Int. Cl.  
H04W 16/20 ( 2009.01 )  
H04W 24/02 ( 2009.01 )
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G01B 9/02 ( 2006.01 )  
G01C 9/06 ( 2006.01 )  
G01N 21/31 ( 2006.01 )  
G01N 21/63 ( 2006.01 )  
G21K 5/04 ( 2006.01 )
- (31) 62/845,110 (32) 08.05.19 (33) US  
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(54) Vehicle Speed Control System  
(51) Int. Cl.  
G05D 13/28 ( 2006.01 )  
B60L 7/18 ( 2006.01 )  
B60L 15/10 ( 2006.01 )  
G05D 3/12 ( 2006.01 )  
G05D 13/00 ( 2006.01 )
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(72) Underwood, Craig  
(74) Armour IP Pty Ltd
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A01D 46/26 ( 2006.01 )  
B60P 1/38 ( 2006.01 )
- (31) 16/408,130 (32) 09.05.19 (33) US
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(72) Gohl, Michael Britt  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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A61N 1/372 ( 2006.01 )  
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B66B 1/14 ( 2006.01 )
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(72) Prokop, Jiri; Hlavacek, Ivan; Zahradnik, Petr; Malinak, Jiri  
(74) Davies Collison Cave Pty Ltd
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(54) Phenylimidazole compound  
(51) Int. Cl.  
C07D 233/64 ( 2006.01 )  
A61K 31/4164 ( 2006.01 )  
A61K 31/4178 ( 2006.01 )  
A61K 31/422 ( 2006.01 )  
A61K 31/4439 ( 2006.01 )  
A61K 31/444 ( 2006.01 )  
A61K 31/497 ( 2006.01 )  
A61K 31/506 ( 2006.01 )  
A61P 3/04 ( 2006.01 )  
A61P 3/06 ( 2006.01 )  
A61P 9/10 ( 2006.01 )  
A61P 43/00 ( 2006.01 )  
C07D 401/04 ( 2006.01 )  
C07D 401/12 ( 2006.01 )  
C07D 401/14 ( 2006.01 )  
C07D 403/12 ( 2006.01 )  
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 (54) A CAPSTAN WINCH  
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(71) Parcor Technology Limited  
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 (51) Int. Cl.  
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 (74) AJ Park

(71) Pictometry International Corp.  
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 (54) UNMANNED AIRCRAFT STRUCTURE EVALUATION SYSTEM AND METHOD  
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*B64D 47/08* ( 2006.01 )  
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 (72) Schultz, Stephen L.; Monaco, John  
 (74) Phillips Ormonde Fitzpatrick

**PIONEER HI-BRED INTERNATIONAL, INC.**  
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 (21) 2020260476 (22) 29.10.2020  
 (54) Gene therapies for lysosomal disorders  
 (51) Int. Cl.  
*C12N 15/00* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
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 (72) Abeliovich, Asa; Heckman, Laura; Rhinn, Herve  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) Gene therapies for lysosomal disorders  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Prevail Therapeutics, Inc.  
 (11) AU-A-2020260491  
 (21) 2020260491 (22) 29.10.2020  
 (54) Gene therapies for lysosomal disorders  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) Prime Datum Development Company, LLC  
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 (54) Cooling tower having thermally managed motor  
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*F25B 19/04* ( 2006.01 )  
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 (72) Rollins, Patrick M.; Lucas, George  
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 (74) Griffith Hack

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*B82Y 5/00* ( 2011.01 )  
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(71) S&C Electric Company  
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 (54) Dropout recloser  
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- (71) Sana Health, Inc.  
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 (54) Methods and systems for providing stimuli to the brain  
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*A61B 5/00* ( 2006.01 )  
*G02B 27/01* ( 2006.01 )  
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 (54) Improved compositions for treating muscular dystrophy  
 (51) Int. Cl.  
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*F25D 23/02* ( 2006.01 )
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 (11) AU-A-2020260564  
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- (71) Shanghai Asclepius Meditec Co., Ltd.  
 (11) AU-A-2020202850  
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 (54) Integrated Hydrogen Gas Generator with Hydrogen Water Module  
 (51) Int. Cl.  
*C25B 1/04* ( 2006.01 )  
*A23L 2/54* ( 2006.01 )  
*B01F 3/04* ( 2006.01 )  
*C01B 3/06* ( 2006.01 )  
*C01B 3/50* ( 2006.01 )  
*C01B 3/56* ( 2006.01 )  
*C25B 15/08* ( 2006.01 )  
 (31) 108115736 (32) 07.05.19 (33) TW  
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 (72) LIN, Hsin-Yung  
 (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Shenzhen Hive Box Technology Co., Ltd  
 (11) AU-A-2020203022  
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 (54) Method and apparatus for sending express delivery information, storage medium, and express delivery locker  
 (51) Int. Cl.  
*G06Q 50/28* ( 2012.01 )  
*G06Q 10/08* ( 2012.01 )  
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 (72) MA, Haiyan  
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 (51) Int. Cl.  
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**(54)** Method for evaluating the effects of a composition comprising microorganisms on intestinal microbiota  
**(51)** Int. Cl.  
**C12Q 1/10** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
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**(74)** AJ PARK

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**(51)** Int. Cl.  
**B01D 11/04** ( 2006.01 )  
**C13K 13/00** ( 2006.01 )  
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**(11)** AU-A-2020264257  
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**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
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**(11)** AU-A-2020203062  
**(21)** 2020203062 **(22)** 08.05.2020  
**(54)** POLYMER MESH WITH REINFORCING BANDS FOR SKIN CONTROL IN HARD ROCK MINING  
**(51)** Int. Cl.  
**E21D 11/00** ( 2006.01 )  
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**(31)** 62/846,080 **(32)** 10.05.19 **(33)** US  
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**(72)** STEFFENINO, John  
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**(21)** 2020264334 **(22)** 05.11.2020  
**(54)** Targeted therapy for small cell lung cancer  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
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**A61K 39/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
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**(21)** 2020264305 **(22)** 04.11.2020  
**(54)** AGRICULTURAL DATA ANALYSIS  
**(51)** Int. Cl.  
**A01B 79/02** ( 2006.01 )  
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**(72)** Sauder, Doug; Muhlbauer, Cory; Koch, Justin  
**(74)** Ellis Terry

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**(11)** AU-A-2020260446  
**(21)** 2020260446 **(22)** 28.10.2020  
**(54)** RAZOR BLADES  
**(51)** Int. Cl.  
**B26B 21/56** ( 2006.01 )  
**(43)** 26.11.2020  
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**(72)** Nisby, John Joseph; Stone, Matthew Robert; Ju, Yongqing; Duff Jr., Ronald Richard  
**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-A-2020202982  
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**(51)** Int. Cl.  
**B28B 23/22** ( 2006.01 )  
**B28B 1/50** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07K 14/755** ( 2006.01 )  
**A61K 38/37** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/12** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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**(11)** AU-A-2020260498  
**(21)** 2020260498 **(22)** 29.10.2020  
**(54)** Antisense Molecules and Methods for Treating Pathologies  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/712** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
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**(72)** WILTON, Stephen; FLETCHER, Sue; ADAMS, Abbie; MELONI, Penny  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-A-2020260487  
**(21)** 2020260487 **(22)** 29.10.2020  
**(54)** Protector assembly for flexible pipe coils and method of using same  
**(51)** Int. Cl.  
**B65D 19/44** ( 2006.01 )  
**B60P 3/035** ( 2006.01 )  
**B61D 45/00** ( 2006.01 )  
**B65D 85/66** ( 2006.01 )  
**B65G 7/12** ( 2006.01 )  
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 (54) Integrated multi-purpose perception housing  
 (51) Int. Cl.  
     **B60R 11/04** ( 2006.01 )  
     **B60R 19/48** ( 2006.01 )  
     **G01D 11/24** ( 2006.01 )  
 (31) 16/407,141 (32) 08.05.19 (33) US  
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(71) University of Massachusetts  
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 (54) RAAV-BASED COMPOSITIONS AND METHODS FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS  
 (51) Int. Cl.  
     **C12N 15/11** ( 2006.01 )  
     **A61K 38/00** ( 2006.01 )  
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     **A61K 31/09** ( 2006.01 )  
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     **A61P 3/10** ( 2006.01 )  
     **A61P 5/48** ( 2006.01 )  
     **A61P 25/28** ( 2006.01 )  
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 (21) 2020256412

(71) Variation Biotechnologies, Inc.  
 (11) AU-A-2020264275  
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 (54) Compositions and methods for treatment of cytomegalovirus  
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     **C12N 15/63** ( 2006.01 )  
     **A61K 39/245** ( 2006.01 )

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(43) 26.11.2020  
 (62) 2018203538  
 (72) ANDERSON, David E.; FLUCKIGER, Anne-Catherine  
 (74) Griffith Hack

(71) Vayeron Pty Ltd  
 (11) AU-A-2020260454  
 (21) 2020260454 (22) 28.10.2020  
 (54) Improvements in Conveyor and Components Therefor, Monitoring Methods and Communication Systems  
 (51) Int. Cl.  
     **B65G 43/00** ( 2006.01 )  
     **B65G 39/02** ( 2006.01 )  
     **F16C 19/52** ( 2006.01 )  
     **G01H 1/00** ( 2006.01 )  
     **G01P 3/44** ( 2006.01 )

(43) 26.11.2020  
 (62) 2016209019  
 (72) Moutsouriz, Paul; Norris, Ryan; Moussa, David  
 (74) WRAYS PTY LTD

(71) Ventana Medical Systems, Inc.  
 (11) AU-A-2020264322  
 (21) 2020264322 (22) 04.11.2020  
 (54) Haptens, hapten conjugates, compositions thereof and method for their preparation and use

(51) Int. Cl.  
     **C07D 207/404** ( 2006.01 )  
     **A61K 39/385** ( 2006.01 )  
     **C07C 231/14** ( 2006.01 )  
     **C07C 233/08** ( 2006.01 )  
     **C07C 241/04** ( 2006.01 )  
     **C07C 243/34** ( 2006.01 )  
     **C07C 267/00** ( 2006.01 )  
     **C07C 311/18** ( 2006.01 )  
     **C07C 335/18** ( 2006.01 )  
     **C07D 207/42** ( 2006.01 )  
     **C07D 207/452** ( 2006.01 )  
     **C07D 215/54** ( 2006.01 )  
     **C07D 241/44** ( 2006.01 )  
     **C07D 243/12** ( 2006.01 )  
     **C07D 271/12** ( 2006.01 )  
     **C07D 277/46** ( 2006.01 )  
     **C07D 311/16** ( 2006.01 )  
     **C07D 401/12** ( 2006.01 )  
     **C07D 403/12** ( 2006.01 )  
     **C07D 405/12** ( 2006.01 )  
     **C07D 413/12** ( 2006.01 )  
     **C07D 417/12** ( 2006.01 )  
     **C07D 491/056** ( 2006.01 )  
     **C07D 493/04** ( 2006.01 )  
     **C07D 493/14** ( 2006.01 )  
     **C07D 498/04** ( 2006.01 )

**C07J 63/00** ( 2006.01 )  
**C07K 1/10** ( 2006.01 )  
**C07K 1/13** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
**G01N 33/533** ( 2006.01 )  
**G01N 33/535** ( 2006.01 )  
**G01N 33/563** ( 2006.01 )  
**G01N 33/564** ( 2006.01 )  
**G01N 33/62** ( 2006.01 )

(43) 26.11.2020  
 (62) 2019208215  
 (72) KOSMEDER, Jerry W.; LEFEVER, Mark; JOHNSON, Donald; FARRELL, Michael; ZHILINA, Zhanna; BIENIARZ, Christopher  
 (74) Griffith Hack

(71) VERB SURGICAL INC.  
 (11) AU-A-2020260428  
 (21) 2020260428 (22) 28.10.2020  
 (54) CART FOR ROBOTIC ARMS AND METHOD AND APPARATUS FOR CARTRIDGE OR MAGAZINE LOADING OF ARMS  
 (51) Int. Cl.  
     **A61G 13/10** ( 2006.01 )  
     **A61B 34/30** ( 2016.01 )  
     **B25J 5/00** ( 2006.01 )  
     **B25J 18/00** ( 2006.01 )

(43) 26.11.2020  
 (62) 2018289123  
 (72) CAGLE, David James; GROUT, Wayne; LIM, Seung Mo; KOENIG, Karen Shakespear; WIGGERS, Robert T.  
 (74) Franke Hyland Pty Ltd

(71) VERO Biotech LLC.  
 (11) AU-A-2020260499  
 (21) 2020260499 (22) 29.10.2020  
 (54) Nitrogen dioxide storage cassette  
 (51) Int. Cl.  
     **A61M 16/10** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2015336028  
 (72) GELLMAN, Barry N.; TAJUDEEN, Eddie; GAMERO, Lucas; HOPKINS, Joshua; BROMBERG, Ed; DENTON, Ryan; JOHNSON, Brian J.; FINE, David H.  
 (74) Spruson & Ferguson

(71) ViaSat, Inc.  
 (11) AU-A-2020260465  
 (21) 2020260465 (22) 29.10.2020  
 (54) Method for End-to-End Beamforming  
 (51) Int. Cl.  
     **H04B 7/185** ( 2006.01 )  
     **H04B 7/204** ( 2006.01 )  
 (43) 26.11.2020  
 (62) 2019204697  
 (72) Miller, Mark; Buer, Kenneth  
 (74) Adams Pluck

(71) ViaSat, Inc.  
 (11) AU-A-2020260467  
 (21) 2020260467 (22) 29.10.2020

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(54) SYSTEM AND METHOD FOR END-TO-END BEAMFORMING

(51) Int. Cl.  
*H04B 7/185* ( 2006.01 )  
*H04B 7/204* ( 2006.01 )

(43) 26.11.2020  
(62) 2019204697  
(72) Miller, Mark; Buer, Kenneth  
(74) Adams Pluck

(71) Vibrant Holdings, LLC

(11) AU-A-2020264330  
(21) 2020264330 (22) 04.11.2020

(54) Substrates, systems, and methods for nucleic acid array synthesis

(51) Int. Cl.  
*C12Q 1/68* ( 2006.01 )  
*C40B 50/00* ( 2006.01 )

(43) 26.11.2020  
(62) 2016382985  
(72) Rajasekaran, John J.  
(74) FB Rice Pty Ltd

(71) W.L. Gore & Associates, Inc.

(11) AU-A-2020260514  
(21) 2020260514 (22) 29.10.2020

(54) Medical delivery device with laminated stopper

(51) Int. Cl.  
*A61M 5/315* ( 2006.01 )

(43) 26.11.2020  
(62) 2019250217  
(72) RUSCH, Greg; BASHAM, Robert C.  
(74) Griffith Hack

(71) Weber-Stephen Products LLC

(11) AU-A-2020260545  
(21) 2020260545 (22) 30.10.2020

(54) Digital power supply  
(51) Int. Cl.

*H02M 5/02* ( 2006.01 )  
*A47J 37/07* ( 2006.01 )  
*H05B 6/00* ( 2006.01 )

(43) 26.11.2020  
(62) 2019203341  
(72) KNAPPENBERGER, Eric; ZULETA, Julio C.; LERCH, Matthew; EMMERICH, Jeffery C.  
(74) Spruson & Ferguson

(71) Willow IP Pty Ltd

(11) AU-A-2019226264  
(21) 2019226264 (22) 06.09.2019

(54) SYSTEMS CONFIGURED TO ENABLE ISOLATED CLIENT DEVICE INTERACTION WITH BUILDING AUTOMATION AND CONTROL (BAC) NETWORKS, INCLUDING THIRD-PARTY APPLICATION ACCESS FRAMEWORK

(51) Int. Cl.  
*H04L 12/403* ( 2006.01 )  
*H04L 9/32* ( 2006.01 )

(31) 2019901530 (32) 06.05.19 (33) AU  
(43) 26.11.2020  
(72) Adam, Rani; Brett, Dale  
(74) FORWARD INTELLECTUAL PROPERTY PTY LTD

(71) Wright Medical Technology, Inc.

(11) AU-A-2020260453  
(21) 2020260453 (22) 28.10.2020

(54) Anterior resurfacing talar plate  
(51) Int. Cl.

*A61F 2/46* ( 2006.01 )  
*A61B 17/15* ( 2006.01 )

(43) 26.11.2020  
(62) 2020200203  
(72) LUNA, Ramon  
(74) Spruson & Ferguson

(71) Wright Medical Technology, Inc.

(11) AU-A-2020260459  
(21) 2020260459 (22) 29.10.2020

(54) Patient-specific surgical devices, systems, and methods

(51) Int. Cl.  
*A61B 17/90* ( 2006.01 )

(43) 26.11.2020  
(62) 2019250241  
(72) STEMNISKI, Paul M.; REYNOLDS, David G.  
(74) Spruson & Ferguson

(71) Wright Medical Technology, Inc.

(11) AU-A-2020260471  
(21) 2020260471 (22) 29.10.2020

(54) Orthopedic fusion plate and compression screw

(51) Int. Cl.  
*A61B 17/80* ( 2006.01 )  
*A61B 17/86* ( 2006.01 )

(43) 26.11.2020  
(62) 2019203353  
(72) Taylor, Alan G.; Wahl, Rebecca H.; Litke, Ronald G.  
(74) FPA Patent Attorneys Pty Ltd

(71) Z-Modular Holding, Inc.

(11) AU-A-2020260531  
(21) 2020260531 (22) 30.10.2020

(54) Modular building units, and methods of constructing and transporting same

(51) Int. Cl.  
*E04B 1/343* ( 2006.01 )  
*B66C 1/16* ( 2006.01 )  
*B66C 1/66* ( 2006.01 )  
*F16B 1/00* ( 2006.01 )  
*F16B 12/44* ( 2006.01 )

(43) 26.11.2020  
(62) 2018204197  
(72) Bowron, Julian; Gulliford, John; Churchill, Erik; Cerone, John; Mallie, Jonathan  
(74) Davies Collison Cave Pty Ltd

(71) Zoetis Services LLC

(11) AU-A-2020260415  
(21) 2020260415 (22) 27.10.2020

(54) Vaccine against Bovine Viral Diarrhea Virus

(51) Int. Cl.  
*C07K 14/08* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )

**A61K 39/39** ( 2006.01 )

(43) 26.11.2020  
(62) 2019200943  
(72) Baum, Alison; Dominowski, Paul Joseph; Huang, JinAn; Krebs, Richard Lee; Mwangi, Duncan M.; Packianathan, Packiarajah; Prayaga, Kishore; Mahan, Suman  
(74) Shelston IP Pty Ltd.

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2019203272	Sector 4 Management Shareholding Pty Ltd	2020260415	Zoetis Services LLC
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2019203274	Aristocrat Technologies Australia Pty Limited	2020260419	LANDA LABS (2012) LTD
2019203275	Aristocrat Technologies Australia Pty Limited	2020260420	Buffalo Filter LLC
2019203298	Scour Tech Pty Ltd	2020260421	Applied LifeSciences and Systems, LLC
2019226264	Willow IP Pty Ltd	2020260424	Rubius Therapeutics, Inc.
2019280074	Otis Elevator Company	2020260425	Molecular Templates, Inc.
2020201124	IGT	2020260426	Otsuka Pharmaceutical Factory, Inc.
2020201406	JOHNSTON, S.	2020260428	VERB SURGICAL INC.
2020201512	L & M MEATS IP HOLDINGS INC.	2020260431	Contego Medical, LLC
2020202224	SENIOR TECH CO., LTD.	2020260432	Creo Medical Limited
2020202228	Schott AG; SCHOTT Flat Glass CR, s.r.o.	2020260433	DS Biopharma Limited
2020202245	Ellergon Antriebstechnik Gesellschaft m.b.H.	2020260434	Achillion Pharmaceuticals, Inc.
2020202420	Covidien LP	2020260435	Apellis Pharmaceuticals, Inc.
2020202422	Idemia Identity & Security France	2020260436	Ionis Pharmaceuticals, Inc.
2020202494	Covidien LP	2020260438	CFPH, LLC
2020202548	Deere & Company	2020260440	Julius-Maximilians-Universität Würzburg
2020202569	Covidien LP	2020260443	Amgen Inc.
2020202631	Covidien LP	2020260444	Netsweeper (Barbados) Inc.
2020202636	Schott AG; SCHOTT Flat Glass CR, s.r.o.	2020260445	Pictometry International Corp.
2020202679	Motorola Solutions, Inc.	2020260446	The Gillette Company LLC
2020202686	P. & B. Marriott Limited	2020260453	Wright Medical Technology, Inc.
2020202757	TuSimple, Inc.	2020260454	Vayeron Pty Ltd
2020202797	Arcadyan Technology Corporation	2020260458	FCX Solar LLC
2020202850	Shanghai Asclepius Meditec Co., Ltd.	2020260459	Wright Medical Technology, Inc.
2020202854	Orchard-Rite Ltd., Inc.	2020260460	Société des Produits Nestlé S.A.
2020202946	Oblivion Pty Ltd	2020260461	Cantor Index LLC
2020202951	Littlejohn, J.	2020260465	ViaSat, Inc.
2020202964	Nestler, M.	2020260467	ViaSat, Inc.
2020202971	Oticon Medical A/S	2020260469	Align Technology, Inc.
2020202982	Thermacrete LLC	2020260470	Sofar S.p.A
2020202983	Lippert Components Inc.	2020260471	Wright Medical Technology, Inc.
2020202987	Comino, J.	2020260472	Bavarian Nordic A/S
2020203005	Northrop Grumman Systems Corporation	2020260474	Beijing Voyager Technology Co., Ltd.
2020203014	Angelico, B.; Attard, B.	2020260476	Prevail Therapeutics, Inc.
2020203015	Aspire Wellness Pty Ltd	2020260477	CFPH, L.L.C.
2020203016	Caiben Pty Ltd	2020260478	ICON Engineering Pty Ltd
2020203022	Shenzhen Hive Box Technology Co., Ltd	2020260479	Dicerna Pharmaceuticals, Inc.
2020203026	RAYTHEON COMPANY	2020260482	inRegen
2020203032	Samsung SDS Co., Ltd.	2020260483	S&C Electric Company
2020203062	TENSAR CORPORATION, LLC	2020260485	Prevail Therapeutics, Inc.
2020203072	Designa Inc.	2020260487	Trinity Bay Equipment Holdings, LLC
2020203199	Haynes, S.	2020260488	Apple Inc.
2020204363	Samsung Electronics Co., Ltd.	2020260489	Arcuate Therapeutics, Inc.
2020205316	Parcor Technology Limited	2020260491	Prevail Therapeutics, Inc.
2020239659	Designa Inc.	2020260492	Sarepta Therapeutics, Inc.
2020239670	Apple Inc.	2020260493	Eli Lilly and Company
2020239775	Institute of Agro-Products Processing Science and Technology, Sichuan Academy of Agricultural Sciences	2020260494	Netflix, Inc.
2020256357	Mauri Technology B.V.	2020260498	The University of Western Australia
2020256412	H. Lee Moffitt Cancer Center and Research Institute, Inc.; University of South Florida	2020260499	VERO Biotech LLC.
2020257079	AIT Austrian Institute Of Technology GmbH; Indigo Agriculture, Inc.	2020260501	Sequenom, Inc.
2020257110	Otsuka Pharmaceutical Co., Ltd.	2020260503	MAKO Surgical Corp.
2020257147	Citrix Systems, Inc.	2020260506	iAxept Limited
2020259040	BEIJING DIDi INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2020260507	Prime Datum Development Company, LLC
2020260374	Ab Initio Technology LLC	2020260512	University of Pittsburgh - Of The Commonwealth System of Higher Education
2020260382	Metaform (Dannevirke) Limited	2020260513	Gracenote, Inc.
2020260400	BioCryst Pharmaceuticals, Inc.	2020260514	W.L. Gore & Associates, Inc.
2020260404	iRobot Corporation	2020260516	National Trench Safety, LLC
2020260405	Boehringer Ingelheim Vetmedica GmbH	2020260523	Forma Therapeutics, Inc.
2020260408	MedImmune, LLC	2020260525	Netflix, Inc.
2020260409	Stora Enso Oyj	2020260526	Adjuvants Plus USA, Inc.
2020260410	Jackson, W.P.	2020260528	FiberLean Technologies Limited
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		2020260531	Z-Modular Holding, Inc.



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2020260532	Architectural Window Systems Pty Ltd
2020260534	The Chinese University of Hong Kong
2020260535	Kabushiki Kaisha Toshiba
2020260536	Google LLC
2020260537	Institut National de la Recherche Agronomique; The Royal Institution for the Advancement of Learning/ McGill University
2020260539	Acorda Therapeutics, Inc.
2020260545	Weber-Stephen Products LLC
2020260548	EURONET USA LLC
2020260552	Bedgear, LLC
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2020260554	Nantong University
2020260560	InterDigital Patent Holdings, Inc.
2020260561	Elcam Medical Agricultural Cooperative Association Ltd.
2020260562	Nantong University
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2020260569	Advanced New Technologies Co., Ltd.
2020260573	BASF Plant Science GmbH
2020260575	K2M, Inc.
2020260580	Canon Kabushiki Kaisha
2020260581	Kop-Coat, Inc.
2020260765	University of Massachusetts
2020264257	Temple University of the Commonwealth System of Higher Education
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2020264265	Ethicon LLC
2020264269	Infestation Tracking Systems Pty. Ltd.
2020264270	ImmunoGen, Inc.
2020264274	Applied Medical Resources Corporation
2020264275	Variation Biotechnologies, Inc.
2020264276	Applied Medical Resources Corporation
2020264278	The University of North Carolina at Chapel Hill
2020264289	Instrumentation Laboratory Company
2020264293	Hussmann Corporation
2020264298	RV Lizenz AG
2020264302	Eberhard Karls Universitaet Tuebingen Medizinische Fakultae
2020264303	Alkermes Pharma Ireland Limited; Morales Jr., W.
2020264304	Elektta, Inc.
2020264305	The Climate Corporation
2020264306	Bedgear, LLC
2020264307	ACO SEVERIN AHLMANN GMBH & CO KOMMANDIT-GESLLSCHAFT
2020264308	Nextivity, Inc.
2020264313	Auckland UniServices Limited
2020264314	Grüenthal GmbH
2020264316	Genzyme Corporation
2020264321	Halliburton Energy Services, Inc.
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2020264325	E. I. DU PONT DE NEMOURS AND COMPANY; PIONEER HI-BRED INTERNATIONAL, INC.
2020264326	Guardant Health, Inc.
2020264330	Vibrant Holdings, LLC
2020264332	Icahn School of Medicine at Mount Sinai
2020264334	The Board of Trustees of the Leland Stanford Junior University
2020264335	Gilead Pharmasset LLC
2020264336	Sana Health, Inc.

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<b>A23L 33 /-</b> 2020260470	<b>A61B 5 /-</b> 2020260460 2020264332 2020264336	<b>A61K 38 /-</b> 2020260435 2020260489 2020260539 2020260765 2020264278 2020264334	<b>A61P 33 /-</b> 2020260537	<b>B05B 7 /-</b> 2020260382	<b>B64D 47 /-</b> 2020260445
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**G06Q 50 /-**  
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**G08B 6 /-**  
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2020260474

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**G21K 5 /-**  
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**No IPC Mark**

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**(51)** Int. Cl.  
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**A61B 17/062** ( 2006.01 )  
**A61B 17/28** ( 2006.01 )  
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**(74)** Patentec Patent Attorneys

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**(51)** Int. Cl.  
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**(54)** Body boarding, body surfing fin / flipper. "MAALI" filed for registered trademark with IP Australia. The design features enhance control and overall function by (a) two stabilizing dorsal fins that extend from the top of the fin.(b)shape inspired by nature a Australian native swans's foot. (c) use of a unique rubber composite that increases buoyancy, decreases weight and provides better comfort.  
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**(51)** Int. Cl.  
**H05B 47/105** ( 2020.01 )  
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 (54) The disclosed ductulator is a professional duct sizer that is capable of calculating duct size given air flow and either friction loss or velocity and also can calculate friction loss and velocity given air flow and duct size. This ductulator can perform the above mentioned calculations for an unlimited number of ducts on the same platform, on the same page and lists all the ducts with their corresponding calculation in a table that can be printed, saved as pdf and exported to excel workbook. The project data can be saved and accessed anytime for review, modification or re-calculation. .  
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 (11) AU-A-2020102646  
 (21) 2020102646 (22) 08.10.2020  
 (54) AN AUTOMATIC HAND SANITIZER DISPENSER USING IR SENSOR  
 (51) Int. Cl.  
*A47K 5/12* ( 2006.01 )  
*G01S 17/04* ( 2020.01 )  
*H01H 47/00* ( 2006.01 )  
*H03K 17/28* ( 2006.01 )  
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 (72) Hafiz, Shaikh Ifrah Fatema Abdul; Mohiuddin, Momin Zaki; Farooqui, Mazahar Ahmed; Battase, Anil P.; Khan, Abdul Malik; Gaikwad, Asha Ashok; Munde, Surekha Vishnupant  
 (74) Shaikh Ifrah Fatema Abdul Hafiz

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 (21) 2020102643

(71) Hengyang Normal University  
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 (21) 2020102601 (22) 05.10.2020  
 (54) Ectopic treatment method of livestock excrement and composite microorganism and ectopic fermentation mattress material used by same  
 (51) Int. Cl.  
*C05F 17/20* ( 2020.01 )  
*A01C 3/02* ( 2006.01 )  
*C02F 3/34* ( 2006.01 )  
*C05F 3/00* ( 2006.01 )  
*C12N 1/20* ( 2006.01 )  
 (45) 26.11.2020  
 (72) Tang, Wenqing; Zeng, Rongying; Zhou, Qianyi; Liu, Mengqin; He, Xiaoxia; Yi, LU  
 (74) Alder IP Pty Ltd

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 (21) 2020102592

**J, T. see Devarajan, B.**  
 (21) 2020102592

**J, S. see M, G.**  
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(71) JADHAV, J.; RAO, S.S.; RAMPURE, P.B.; CHAMAKERI, P.H.; PATIL, A.; SONAVALE, A.P.; H D, R.; CHINNADURAI, V.; KHAN, R.J.  
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 (21) 2020102643 (22) 08.10.2020  
 (54) NLP-ARTIFICIAL INTELLIGENCE BASED AUTOMATIC DETECTION OF INFECTION RATE OF PANDEMIC DISEASES (COVID-19)  
 (51) Int. Cl.  
*G06F 40/295* ( 2020.01 )  
*G06F 40/284* ( 2020.01 )  
*G16H 50/80* ( 2018.01 )  
 (45) 26.11.2020  
 (72) JADHAV, JAGANNATH; RAO, SURAPUDI SRINIVASA; RAMPURE, PRASAD B.; CHAMAKERI, PUNEET H; PATIL, ARATI; SONAVALE, AMRUTA P.; H. D., RANJIT; CHINNADURAI, VEERA; KHAN, RUBINA JAHANGIR  
 (74) JAGANNATH JADHAV

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 (21) 2020102631

(71) Jain, V.; Mandala, J.; Kulkarni, A.; Vinodkumar, C.R.; Vatti, R.; Bhardwaj, R.J.; D. Ganvir, K.; Reddy, L.V.; Surya Kumari, P.L.; Kumar Srivastava, P.  
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 (21) 2020102635 (22) 07.10.2020  
 (54) SDHR-Blockchain Technology: Securely Store Digital Healthcare Records, Notification, Alert Using Blockchain Technology  
 (51) Int. Cl.  
*G16H 10/60* ( 2018.01 )  
*H04L 9/30* ( 2006.01 )  
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 (74) Prof.(Dr.) Vipin Jain

**Jain, A. see Kumar, S.**  
 (21) 2020102636

**Kamalraj, R. see Muthuselvam, M.**  
 (21) 2020102606

**Karunakaran, S. see Muthuselvam, M.**  
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 (21) 2020102608

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 (21) 2020102637

**Kaushik, S. see Subramanian, C.**  
 (21) 2020102608

**Khan, A.M. see Hafiz, S.I.F.A.**  
 (21) 2020102646

**KHAN, R.J. see JADHAV, J.**  
 (21) 2020102643

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 (21) 2020102635

**Kumar, B.P. see Muthuselvam, M.**  
 (21) 2020102606

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 (21) 2020102636

(71) Kumar, S.; Jain, A.; Raja, R.; Rani, S.; Sharma, S.; Kumar Singh Kushwaha, A.; Bonde, P.; Kumar, A.; Chaudhary, A.; Ranjan Labh, J.; Chordiya, S.B.  
 (11) AU-A-2020102636  
 (21) 2020102636 (22) 08.10.2020  
 (54) SBDA-Secured Bra for Women Safety: Smart and Secured Bra for Women Safety Based on Deep Learning Algorithm  
 (51) Int. Cl.  
*A41C 3/00* ( 2006.01 )  
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*G01S 19/42* ( 2010.01 )  
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 (45) 26.11.2020  
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 (74) Sandeep Kumar

**Kumar, Y. see Athavale, V.A.**  
 (21) 2020102637

**Kumar, S. see Athavale, V.A.**  
 (21) 2020102637

**Kumar Singh Kushwaha, A. see Kumar, S.**  
 (21) 2020102636

**Kumar Srivastava, P. see Jain, V.**  
 (21) 2020102635

**Kumbhkar, M. see Athavale, V.A.**  
 (21) 2020102637

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 (51) Int. Cl.  
*G06Q 40/00* ( 2006.01 )  
 (45) 26.11.2020  
 (62) 2015209151  
 (72) RIGGS, Rory  
 (74) Spruson & Ferguson

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 (21) 2020102648

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 (51) Int. Cl.  
*G16H 50/80* ( 2018.01 )  
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 (21) 2020102647

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**M.R, A. see Devarajan, B.**  
 (21) 2020102593

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**Mallick, P.K. see MOHAMMED, A.**  
 (21) 2020102642

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**Mandala, J. see Jain, V.**  
 (21) 2020102635

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**Marimuthu, K. see Subramanian, C.**  
 (21) 2020102608

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(71) McIntosh, D.J.  
 (11) AU-A-2020102609  
 (21) 2020102609 (22) 06.10.2020  
 (54) Duct Saddle  
 (51) Int. Cl.  
*F16L 3/06* ( 2006.01 )  
*F16L 3/133* ( 2006.01 )  
 (45) 26.11.2020  
 (72) McIntosh, David J.  
 (74) Michael Buck IP

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 (51) Int. Cl.  
*G16H 20/30* ( 2018.01 )  
*A61B 5/11* ( 2006.01 )  
*G16H 50/30* ( 2018.01 )  
 (45) 26.11.2020  
 (72) Bhoi, Akash; Mallick, Pradeep Kumar; Panigrahi, Ranjit; Priyadarshi, Neeraj; Satapathy, Sandeep Kumar; Mishra, Shruti; Naga Srinivasu, Parvathaneni; Bhoi, Priya Brata; Shaik, Mahaboob; MOHAMMED, ARSHAD  
 (74) ARSHAD MOHAMMED

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**Mohiuddin, M.Z. see Hafiz, S.I.F.A.**  
 (21) 2020102646

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 (11) AU-A-2020102647  
 (21) 2020102647 (22) 08.10.2020  
 (54) RENEWABLE ROBOTIC AIDED ENERGY SYSTEM FOR FARM USE  
 (51) Int. Cl.  
*G05B 19/04* ( 2006.01 )  
*A01B 79/00* ( 2006.01 )  
*A01G 22/22* ( 2018.01 )  
*G05D 1/02* ( 2020.01 )  
 (45) 26.11.2020  
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nakumar; M., Venmathi; T., Sriyanda Ganesh  
 (74) VIJAYARAGAVAN MOORTHY

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 (21) 2020102606

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**Munde, S.V. see Hafiz, S.I.F.A.**  
 (21) 2020102646

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 (11) AU-A-2020102620  
 (21) 2020102620 (22) 07.10.2020  
 (54) A PROCESS FOR SYNTHESIS OF COPPER AND COPPER OXIDE NANOSTRUCTURES  
 (51) Int. Cl.  
*B82Y 40/00* ( 2011.01 )  
*A61K 9/51* ( 2006.01 )  
*A61K 33/34* ( 2006.01 )  
*A61K 36/282* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
*C01G 3/02* ( 2006.01 )  
*C22B 15/00* ( 2006.01 )  
 (31) 202021043290 (32) 05.10.20 (33) IN  
 (45) 26.11.2020  
 (72) Murthy, H. C. Ananda; Desalegn, Tegene  
 (74) DEEPAK PRADEEP THAKUR

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 (21) 2020102593

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 (11) AU-A-2020102606  
 (21) 2020102606 (22) 06.10.2020  
 (54) AERIAL MANIPULATIVE OMNI DIRECTIONAL DRONES FOR BUILDING CONSTRUCTION  
 (51) Int. Cl.  
*B64C 39/02* ( 2006.01 )  
*B64D 47/08* ( 2006.01 )  
 (45) 26.11.2020  
 (72) Muthuselvam, M.; Premkumar, M.; Kamalraj, R.; Santhanam, Prasanna; Kumar, Bammidi Pradeep; Mubeen, Suraya; Rathee, Naveen; Raju, Dhana; Karunakaran, S.; Behura, Aradhana  
 (74) M. Muthuselvam

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 (21) 2020102618

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**N, N.K. see M, G.**  
 (21) 2020102618

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**N, P. see M, S.P.**  
 (21) 2020102631

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(21) 2020102642

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(21) 2020102595

**Nandlal Maheshwari, S.K. see S, G.**  
(21) 2020102648

(71) Nanjing Institute of Technology  
(11) AU-A-2020102600  
(21) 2020102600 (22) 05.10.2020  
(54) A system and method of DC voltage droop control for grid connection of off-shore wind farms  
(51) Int. Cl.  
*H02J 3/22* ( 2006.01 )  
*F03D 7/04* ( 2006.01 )  
*H02J 3/16* ( 2006.01 )  
(45) 26.11.2020  
(72) Liu, Haitao; Zhang, Peng; Hao, Sipeng; Zhang, Xiaolian  
(74) Alder IP Pty Ltd

(71) Next Medicine Co., Ltd.  
(11) AU-A-2020102633  
(21) 2020102633 (22) 07.10.2020  
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(51) Int. Cl.  
*C07K 14/435* ( 2006.01 )  
(45) 26.11.2020  
(72) Ye, Qizhuang; Bai, Xiaokang; Xiao, Liqun  
(74) Next Medicine Co., Ltd.

(71) Nguyen Huynh, S.  
(11) AU-A-2020102650  
(21) 2020102650 (22) 09.10.2020  
(54) Up Plantae: For Raising Plants Vertically - (Also known as a Moss Pole; Growing Pole)  
(51) Int. Cl.  
*A01G 9/12* ( 2006.01 )  
*A01G 29/00* ( 2006.01 )  
(45) 26.11.2020  
(72) Nguyen Huynh, Susan  
(74) Susan Nguyen Huynh

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(21) 2020102648

**Nipanikar, S.I. see Patil, S.P.**  
(21) 2020102615

(71) Northwestern Polytechnical University  
(11) AU-A-2020102628  
(21) 2020102628 (22) 07.10.2020  
(54) A low frequency piezoelectric underwater transducer based on fold-back structure  
(51) Int. Cl.  
*B06B 1/06* ( 2006.01 )

*H04R 1/02* ( 2006.01 )  
(45) 26.11.2020  
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(74) Alder IP Pty Ltd

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(21) 2020102647

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(21) 2020102647

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(21) 2020102642

**Patil, S.B. see Patil, S.P.**  
(21) 2020102615

(71) Patil, S.P.; Nipanikar, S.I.; Sakhare, S.R.; Patil, S.B.; Sarkar, B.K.  
(11) AU-A-2020102615  
(21) 2020102615 (22) 06.10.2020  
(54) IWD-SIM: INTELLIGENT WATER DISTRIBUTION SYSTEM FOR SAVING WATER USING SIM  
(51) Int. Cl.  
*G06Q 50/06* ( 2012.01 )  
*G05D 7/06* ( 2006.01 )  
(45) 26.11.2020  
(72) Patil, Suket Prakash; Nipanikar, Sanjaykumar Indrajit; Sakhare, Sujitkumar Ramnathrao; Patil, Sanket Bhagwan; Sarkar, Biplab Kumar  
(74) Suket Prakash Patil

**PATIL, A. see JADHAV, J.**  
(21) 2020102643

**Patro, R.R. see S, G.**  
(21) 2020102648

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(21) 2020102648

(71) Pothuraju, R.D.; Sana, S.S.; Gangadhar, L.; nalluri, A.; Putti venkata Siva, T.  
(11) AU-A-2020102595  
(21) 2020102595 (22) 05.10.2020  
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(51) Int. Cl.  
*A61L 27/32* ( 2006.01 )  
*A61L 27/06* ( 2006.01 )  
*A61L 27/10* ( 2006.01 )  
*A61L 27/12* ( 2006.01 )  
*A61L 27/42* ( 2006.01 )  
*B05D 5/00* ( 2006.01 )  
*C23C 4/06* ( 2016.01 )  
*C23C 4/134* ( 2016.01 )

(45) 26.11.2020  
(72) Pothuraju, Renuka Devi; Sana, Siva Sankar; Gangadhar, Lekshmi; nalluri, Abhishek; Putti venkata Siva, Teja  
(74) alex andrews

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(21) 2020102647

**Premkumar, M. see Muthuselvam, M.**  
(21) 2020102606

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(21) 2020102642

(71) PRODUCTION IMAGING PTY LTD  
(11) AU-A-2020102598  
(21) 2020102598 (22) 05.10.2020  
(54) Improved Portable Ladder Configuration  
(51) Int. Cl.  
*E06C 7/44* ( 2006.01 )  
*E06C 1/20* ( 2006.01 )  
*E06C 7/42* ( 2006.01 )  
(31) 2019903938 (32) 18.10.19 (33) AU  
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(45) 26.11.2020  
(72) Trumble, David  
(74) PRODUCTION IMAGING PTY LTD

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(21) 2020102595

(71) Qilu University of Technology  
(11) AU-A-2020102640  
(21) 2020102640 (22) 08.10.2020  
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(51) Int. Cl.  
*B01J 27/24* ( 2006.01 )  
*B82Y 30/00* ( 2011.01 )  
*C01B 21/082* ( 2006.01 )  
*C01G 23/053* ( 2006.01 )  
*C02F 101/30* ( 2006.01 )  
(31) 202010986306.4 (32) 18.09.20 (33) CN  
(45) 26.11.2020  
(72) Meng, Xia; Sun, Jing; Kong, Fangong; Wang, Shoujuan; Han, Wenjia; Wang, Xiaohui; Liu, Zhongming  
(74) Madderens Pty Ltd

(71) Qilu University of Technology  
(11) AU-A-2020102641  
(21) 2020102641 (22) 08.10.2020  
(54) ALKENYL SUCCINIC ANHYDRIDE PAPER SIZING AGENT EMULSION AND PREPARATION METHOD AND APPLICATION THEREOF  
(51) Int. Cl.  
*D21H 17/25* ( 2006.01 )  
*D21H 17/05* ( 2006.01 )  
*D21H 21/16* ( 2006.01 )  
*D21H 23/04* ( 2006.01 )

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(72) Yu, Dehai; Duan, Zhengyin; Wang, Xiangyu; Yang, Daozhen; Yang, Chen; Cheng, Jia; Li, Zixian; Liu, Wenxia

(74) Madderns Pty Ltd

(71) QUIRKYLICIOUS PTY LTD

(11) AU-A-2020102613

(21) 2020102613 (22) 06.10.2020

(54) Skills to Learn - Learnskl

(51) Int. Cl.

G09B 19/00 ( 2006.01 )

A63H 33/38 ( 2006.01 )

(45) 26.11.2020

(72) Eilers, Kate

(74) QUIRKYLICIOUS PTY LTD

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(21) 2020102608

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(21) 2020102593

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(21) 2020102647

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(21) 2020102636

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(21) 2020102606

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(21) 2020102643

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(21) 2020102636

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(21) 2020102636

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(21) 2020102643

Rathee, N. see Muthuselvam, M.

(21) 2020102606

(71) Razer (Asia-Pacific) Pte. Ltd.

(11) AU-A-2020102639

(21) 2020102639 (22) 08.10.2020

(54) Input device

(51) Int. Cl.

G06F 3/0362 ( 2013.01 )

G06F 3/033 ( 2013.01 )

(45) 26.11.2020

(72) RIZVI, Farrukh Raza; SHARMA, Ayush; KOH, Kheng Choong

(74) FB Rice Pty Ltd

Reddy, L.V. see Jain, V.

(21) 2020102635

S, R. see M, G.

(21) 2020102618

S, S. see MOORTHY, V.

(21) 2020102647

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(21) 2020102648

(71) S, G.; S, S.K.; Nandlal Maheshwari, S.K.; Patro, R.R.; Patro, R.; Singh, K.; Lunagaria, M.; Nigam, U.; SONI, M.

(11) AU-A-2020102648

(21) 2020102648 (22) 08.10.2020

(54) Method for Energy Efficient Communication in Heterogeneous IoT Networks

(51) Int. Cl.

H04W 52/02 ( 2009.01 )

H04W 40/04 ( 2009.01 )

H04W 84/18 ( 2009.01 )

(45) 26.11.2020

(72) SONI, MUKESH; S., Gomathi; S., Senthil Kumar; Nandlal Maheshwari, Santosh Kumar; Patro, Rashmi Rani; Patro, Rojalini; Singh, Khushwant; Lunagaria, Munindra; Nigam, Utkarsh

(74) ARUN SUNDARAM

Sakhare, S.R. see Patil, S.P.

(21) 2020102615

(71) Salunke, N.

(11) AU-A-2020102623

(21) 2020102623 (22) 07.10.2020

(54) "Apparatus, System and Method for actuating a Tool"

(51) Int. Cl.

B23B 39/14 ( 2006.01 )

B23B 39/26 ( 2006.01 )

B25J 5/00 ( 2006.01 )

(31) 2019903831 (32) 11.10.19 (33) AU

(45) 26.11.2020

(72) Salunke, Nagabhushan

(74) Nagabhushan Salunke

Sana, S.S. see Pothuraju, R.D.

(21) 2020102595

Santhanam, P. see Muthuselvam, M.

(21) 2020102606

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(21) 2020102615

Satapathy, S.K. see MOHAMMED, A.

(21) 2020102642

(71) Sayers, J.

(11) AU-A-2020102617

(21) 2020102617 (22) 06.10.2020

(54) The stock exchange innovation allows a single ASX 200 enterprise through a share holding access to new enterprise endeavours they cannot by themselves. Example no one enterprise would take on the Mag Lev financially nor risk. But together as shareholders in one enterprise they can do anything as the new enterprise is not bound to anyone sector.

(51) Int. Cl.

G06Q 40/04 ( 2012.01 )

G06Q 40/06 ( 2012.01 )

(45) 26.11.2020

(72) Sayers, Jeremy

(74) Jeremy Sayers

Senthil, G. see Subramanian, C.

(21) 2020102608

Shaik, M. see MOHAMMED, A.

(21) 2020102642

(71) Shanxi Datong University

(11) AU-A-2020102621

(21) 2020102621 (22) 07.10.2020

(54) Wireless power transmission device

(51) Int. Cl.

H02J 50/10 ( 2016.01 )

H01Q 15/00 ( 2006.01 )

H02J 7/02 ( 2016.01 )

(45) 26.11.2020

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B01J 20/28 ( 2006.01 )

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A44C 7/00 ( 2006.01 )  
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*C07K 16/22* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
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*C07K 16/46* ( 2006.01 )  
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*A61P 25/28* ( 2006.01 )  
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**A61P 19/02** ( 2006.01 )  
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**B29C 48/00** ( 2019.01 )  
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**C08C 19/00** ( 2006.01 )  
**C08L 97/02** ( 2006.01 )  
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 (74) Origin Patent and Trade Mark Attorneys
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**A61K 31/7088** ( 2006.01 )  
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 C12N 15/11 ( 2006.01 )  
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 A61K 39/395 ( 2006.01 )  
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 A61P 7/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 G16B 20/20 ( 2019.01 )  
 G16B 20/40 ( 2019.01 )  
 G16H 50/30 ( 2018.01 )  
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 A61K 31/137 ( 2006.01 )  
 A61K 31/495 ( 2006.01 )  
 A61P 37/08 ( 2006.01 )  
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 (54) Therapeutic uses and methods  
 (51) Int. Cl.  
 A61K 31/7125 ( 2006.01 )  
 A61K 31/7088 ( 2006.01 )  
 A61K 31/7115 ( 2006.01 )  
 A61K 31/712 ( 2006.01 )  
 A61P 21/00 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
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 creation user interface  
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 G06F 3/01 ( 2006.01 )  
 A63F 13/63 ( 2014.01 )  
 G06F 3/0488 ( 2013.01 )  
 G06K 9/00 ( 2006.01 )  
 G06T 11/60 ( 2006.01 )  
 G06T 13/40 ( 2011.01 )  
 H04M 1/725 ( 2006.01 )  
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- (74)** FPA Patent Attorneys Pty Ltd
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**(54)** User interfaces for controlling or presenting device usage on an electronic device  
**(51)** Int. Cl.  
*H04L 29/08* ( 2006.01 )  
*G06F 3/048* ( 2013.01 )  
*G06F 11/34* ( 2006.01 )  
*G11B 20/00* ( 2006.01 )
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**(54)** Creative camera  
**(51)** Int. Cl.  
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*G11B 27/031* ( 2006.01 )  
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*H04L 12/58* ( 2006.01 )  
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*G06F 3/0484* ( 2013.01 )
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*G06F 3/01* ( 2006.01 )
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*B01D 25/24* ( 2006.01 )  
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**(51)** Int. Cl.  
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*C02F 3/12* ( 2006.01 )
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G02B 3/00 ( 2006.01 )  
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C07D 403/04 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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**A01H 1/02** ( 2006.01 )  
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**A01H 6/46** ( 2018.01 )  
**C07K 14/415** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**C12Q 1/6895** ( 2018.01 )  
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**C07D 307/12** ( 2006.01 )  
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 (51) Int. Cl.  
**A01N 43/56** ( 2006.01 )  
**A01N 25/28** ( 2006.01 )  
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**A01P 13/00** ( 2006.01 )  
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 (21) 2019269047 (22) 14.05.2019  
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 (51) Int. Cl.  
**A61K 31/427** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 31/427** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
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 (54) Methods and devices for puncturing tissue  
 (51) Int. Cl.  
 A61B 18/14 ( 2006.01 )  
 A61B 17/34 ( 2006.01 )  
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 A61M 39/10 ( 2006.01 )  
 A61B 17/34 ( 2006.01 )  
 A61M 29/02 ( 2006.01 )
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 A61K 38/17 ( 2006.01 )  
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 C12N 9/22 ( 2006.01 )
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 (54) Methods of substituting pathogenic amino acids using programmable base editor systems  
 (51) Int. Cl.  
 C12N 15/113 ( 2010.01 )  
 C12N 9/22 ( 2006.01 )  
 C12N 9/78 ( 2006.01 )
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 A61K 48/00 ( 2006.01 )
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 (51) Int. Cl.  
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 (54) System and method of geographic data aggregation and analysis  
 (51) Int. Cl.  
*G06F 16/29* (2019.01)  
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 (74) K&L Gates
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 (54) Systems, apparatuses, and methods for assessing, managing, presenting and indicating health status through physical objects  
 (51) Int. Cl.  
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 (51) Int. Cl.  
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*A21D 2/16* (2006.01)  
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*A21D 13/068* (2017.01)  
*A23D 7/01* (2006.01)  
*A23L 23/10* (2016.01)  
*A23L 29/00* (2016.01)  
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 (21) 2019252312 (22) 08.04.2019  
 (54) A fatty preparation, a process for making said fatty preparation, and a product containing the same  
 (51) Int. Cl.  
*A23D 7/005* (2006.01)  
*A21D 2/16* (2006.01)  
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*A21D 10/00* (2006.01)  
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*A23D 9/013* (2006.01)  
*A23D 9/02* (2006.01)  
*A23G 1/32* (2006.01)  
*A23G 1/36* (2006.01)  
*A23G 3/34* (2006.01)  
*A23G 3/40* (2006.01)  
*A23G 9/32* (2006.01)  
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- (71) Botanical Extraction Solvent Free Ltd.  
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 (51) Int. Cl.  
*C11B 9/00* (2006.01)  
*B01D 3/40* (2006.01)  
*C11B 1/10* (2006.01)  
*C11B 3/00* (2006.01)  
*C11B 7/00* (2006.01)  
*A61K 9/00* (2006.01)  
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 (51) Int. Cl.  
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*B62K 5/02* (2013.01)  
*B62K 5/025* (2013.01)  
*B62K 7/04* (2006.01)  
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 (74) MEYER WEST IP PTY LTD
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 (21) 2019266549 (22) 10.05.2019  
 (54) Produced water balance tool  
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 (43) 14.11.2019  
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- (71) Bracco Suisse SA  
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(54) Freeze-dried formulation for gas-filled microvesicles  
 (51) Int. Cl.  
**A61K 49/22** ( 2006.01 )  
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 (54) Fall control ladder  
 (51) Int. Cl.

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**E04G 21/32** ( 2006.01 )  
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 (51) Int. Cl.  
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(71) Bridgestone Corporation  
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 (54) Tire state detection device  
 (51) Int. Cl.  
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**B60C 19/00** ( 2006.01 )  
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(71) Bridson, R.  
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 (54) Hydrocyclone  
 (51) Int. Cl.  
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**B04C 5/085** ( 2006.01 )  
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 (72) BRIDSON, Roger  
 (74) Michael Buck IP

(71) BRIM Biotechnology, Inc.  
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 (54) Application of PEDF-derived short peptides in tendon healing  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
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 (54) Application of PEDF-derived short peptides in the treatment of osteoarthritis  
 (51) Int. Cl.  
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**A61K 38/16** ( 2006.01 )  
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 (72) LEE, Yuan-Ming; TSAO, Yeou-Ping; HO, Tsung-Chuan; LEE, Frank Wen-Chi  
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(71) Brita GmbH  
 (11) AU-A-2019270422  
 (21) 2019270422 (22) 16.05.2019  
 (54) Conduit for a liquid dispenser, method of producing it and use thereof  
 (51) Int. Cl.  
**B29C 45/14** ( 2006.01 )  
**B05B 1/24** ( 2006.01 )  
**E03C 1/10** ( 2006.01 )  
**E03C 1/044** ( 2006.01 )  
**B29L 23/00** ( 2006.01 )  
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 (54) Compression garment and method  
 (51) Int. Cl.  
**D04B 1/12** ( 2006.01 )  
**D04B 1/26** ( 2006.01 )  
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 (31) 15/981,046 (32) 16.05.18 (33) US  
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*A61B 42/10* ( 2016.01 )  
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B01L 3/00 (2006.01)				
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H04M 3/42 (2006.01)				
H04M 3/51 (2006.01)				
H04M 11/04 (2006.01)				
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(51) Int. Cl.				
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B26B 29/06 (2006.01)				
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(31) 20180751 (32) 30.05.18 (33) NO				
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(11) AU-A-2019267680				
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(54) Methods and compositions for the treatment of hepatitis b infection				
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C07K 14/02 (2006.01)				
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C02F 1/56 (2006.01)				
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**G01C 15/00** ( 2006.01 )  
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**G01N 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G01N 1/28** ( 2006.01 )  
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**(54)** Headset and headset coupling system  
**(51)** Int. Cl.  
**A42B 1/24** ( 2006.01 )  
**A42B 3/30** ( 2006.01 )  
**H04R 1/08** ( 2006.01 )  
**H04R 1/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**A42B 3/06** ( 2006.01 )  
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**F41H 1/04** ( 2006.01 )  
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**(54)** Headset communication system  
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**G10K 11/00** ( 2006.01 )  
**G10K 11/178** ( 2006.01 )  
**H03F 3/00** ( 2006.01 )  
**H03F 3/14** ( 2006.01 )  
**H03F 3/72** ( 2006.01 )  
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**H03G 3/34** ( 2006.01 )  
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**(54)** Improved flow measurement  
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**G01F 1/00** ( 2006.01 )  
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**(74)** Patent Attorney Services

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**C07D 401/14** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
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**A44B 11/00** ( 2006.01 )  
**A01K 27/00** ( 2006.01 )  
**A44B 11/25** ( 2006.01 )  
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*B65D 85/672* ( 2006.01 )  
*B65H 16/06* ( 2006.01 )  
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*C12N 5/00* ( 2006.01 )  
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*B65G 11/02* ( 2006.01 )  
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 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
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*H04L 5/00* ( 2006.01 )  
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 (51) Int. Cl.  
*H04W 72/12* ( 2009.01 )  
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 (54) Communication method, network device and terminal device  
 (51) Int. Cl.  
*H04W 72/12* ( 2009.01 )  
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 (54) Access method and transmission point  
 (51) Int. Cl.  
*H04W 36/00* ( 2009.01 )  
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*A61P 33/06* ( 2006.01 )  
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*C11D 1/835* ( 2006.01 )  
*C11D 3/08* ( 2006.01 )  
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*D03D 15/00* ( 2006.01 )  
*A47G 9/02* ( 2006.01 )  
*D03D 1/00* ( 2006.01 )  
*D03D 13/00* ( 2006.01 )  
*D03D 41/00* ( 2006.01 )  
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*A61K 45/06* ( 2006.01 )  
*A61K 31/05* ( 2006.01 )  
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*A61K 36/185* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 25/08* ( 2006.01 )  
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*C07C 319/20* ( 2006.01 )  
*C07C 323/58* ( 2006.01 )  
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*C10G 3/00* ( 2006.01 )  
*C07C 1/20* ( 2006.01 )  
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 (54) Hydrogen production by steam methane reforming  
 (51) Int. Cl.  
*C01B 3/38* ( 2006.01 )

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**B01J 15/00** ( 2006.01 )  
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**C01B 3/50** ( 2006.01 )  
**(87)** WO2019/228796  
**(31)** PA 2018 00636 **(32)** 25.09.18 **(33)** DK  
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**(21)** 2019275850 **(22)** 15.05.2019  
**(54)** Steam reforming heated by resistance heating  
**(51)** Int. Cl.  
**B01J 15/00** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**C01B 3/38** ( 2006.01 )  
**C01B 3/40** ( 2006.01 )  
**(87)** WO2019/228797  
**(31)** 18175366.6 **(32)** 31.05.18 **(33)** EP  
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**(21)** 2018436511 **(22)** 14.08.2018  
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**(51)** Int. Cl.  
**E21B 43/10** ( 2006.01 )  
**E21B 23/01** ( 2006.01 )  
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**(72)** HAZELIP, Gary Lynn  
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**(51)** Int. Cl.  
**E21B 34/06** ( 2006.01 )  
**E21B 34/00** ( 2006.01 )  
**F16K 15/04** ( 2006.01 )  
**F16K 27/02** ( 2006.01 )  
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**C09K 8/88** ( 2006.01 )
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**(51)** Int. Cl.  
**E21B 29/02** ( 2006.01 )  
**E21B 41/00** ( 2006.01 )  
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**(43)** 19.03.2020  
**(72)** FRIPP, Michael Linley; GLASER, Mark C.; OMELAZ, Richard Decena  
**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-A-2019304882  
**(21)** 2019304882 **(22)** 11.06.2019  
**(54)** Wireless electronic flow control node used in a screen joint with shunts  
**(51)** Int. Cl.  
**E21B 17/10** ( 2006.01 )  
**E21B 34/06** ( 2006.01 )  
**E21B 43/08** ( 2006.01 )  
**E21B 43/10** ( 2006.01 )  
**(87)** WO2020/018200  
**(31)** 62/700,791 **(32)** 19.07.18 **(33)** US  
**(43)** 23.01.2020  
**(72)** GRECI, Stephen Michael; FRIPP, Michael Linley; COFFIN, Maxime P.M.  
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**(11)** AU-A-2019306071  
**(21)** 2019306071 **(22)** 11.06.2019  
**(54)** Electronic flow control node to aid gravel pack and eliminate wash pipe  
**(51)** Int. Cl.  
**E21B 17/10** ( 2006.01 )  
**E21B 34/06** ( 2006.01 )  
**E21B 43/04** ( 2006.01 )  
**E21B 43/08** ( 2006.01 )  
**E21B 43/10** ( 2006.01 )  
**(87)** WO2020/018199  
**(31)** 62/700,787 **(32)** 19.07.18 **(33)** US  
**(43)** 23.01.2020  
**(72)** FRIPP, Michael Linley; GRECI, Stephen Michael  
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**(11)** AU-A-2019308476  
**(21)** 2019308476 **(22)** 11.06.2019  
**(54)** Intelligent completion of a multilateral wellbore with a wired smart well in the main bore and with a wireless electronic flow control node in a lateral wellbore  
**(51)** Int. Cl.  
**E21B 17/10** ( 2006.01 )  
**E21B 34/06** ( 2006.01 )  
**E21B 43/08** ( 2006.01 )
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**(87)** WO2020/018201  
**(31)** 62/700,795 **(32)** 19.07.18 **(33)** US  
**(43)** 23.01.2020  
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**(21)** 2019275073 **(22)** 23.05.2019  
**(54)** The kit for screening colorectal cancer and advanced adenoma and its application  
**(51)** Int. Cl.  
**C07H 21/04** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12P 19/34** ( 2006.01 )  
**C12Q 1/02** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**(87)** WO2019/226942  
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- (71)** Hangzhou Sumgen Biotech Co., Ltd.; Sumgen Mab (Beijing) Biotech Co., Ltd.  
**(11)** AU-A-2019256177  
**(21)** 2019256177 **(22)** 16.04.2019  
**(54)** Fusion protein binding to CD47 protein and application thereof  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**(87)** WO2019/201236  
**(31)** 201810343482.9 **(32)** 17.04.18 **(33)** CN  
**(43)** 24.10.2019  
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**(11)** AU-A-2018419035  
**(21)** 2018419035 **(22)** 09.04.2018  
**(54)** Hand tool having telescopic tool piece  
**(51)** Int. Cl.  
**B25B 7/06** ( 2006.01 )  
**B25G 1/04** ( 2006.01 )  
**(87)** WO2019/195983  
**(43)** 17.10.2019  
**(72)** LI, Yueming  
**(74)** Griffith Hack



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 (51) Int. Cl.  
*F16C 11/06* ( 2006.01 )  
*F16F 1/38* ( 2006.01 )  
 (87) WO2019/210361  
 (31) 2018901484 (32) 02.05.18 (33) AU  
 (43) 07.11.2019  
 (72) HENDERSON, Peter; CURTI, Murray  
 Sydney  
 (74) Michael Buck IP
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 (11) AU-A-2019264172  
 (21) 2019264172 (22) 04.04.2019  
 (54) Sorting method and device for sorting  
 plate-shaped objects, preferably glass  
 panel cut pieces, method and device for  
 producing glass panel cut pieces with a  
 sorting device of this type  
 (51) Int. Cl.  
*B65G 49/06* ( 2006.01 )  
 (87) WO2019/211058  
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 tian; SCHOISSWOHL, Markus;  
 HÖTGER, Bernhard; WERNEKE, Mirko  
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 (11) AU-A-2019265284  
 (21) 2019265284 (22) 10.05.2019  
 (54) Identification of rare products of cross-  
 ing organisms  
 (51) Int. Cl.  
*C12N 15/04* ( 2006.01 )  
*C12N 1/16* ( 2006.01 )  
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 (31) 2020912 (32) 11.05.18 (33) NL  
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 Jean-Marc Georges; GEERTMAN, Jan-  
 Maarten; KUIJPERS, Niels Gerard Adria-  
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 (11) AU-A-2019282089  
 (21) 2019282089 (22) 04.06.2019  
 (54) Method for establishing a fouling re-  
 lease coating system  
 (51) Int. Cl.  
*C09D 5/16* ( 2006.01 )  
*C09D 7/48* ( 2018.01 )  
*C09D 183/04* ( 2006.01 )  
*C09D 183/12* ( 2006.01 )  
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 Stefan Møller  
 (74) Pizzeys Patent and Trade Mark Attor-  
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 Canada as represented by the Minister of  
 Health  
 (11) AU-A-2019264134  
 (21) 2019264134 (22) 22.03.2019  
 (54) Poxvirus host range protein K3 as a  
 positive selection marker for genera-  
 tion of recombinant poxviruses, a thera-  
 peutic target for poxvirus infection and  
 a therapeutic agent for PKR related dis-  
 eases  
 (51) Int. Cl.  
*A61K 38/16* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07K 14/065* ( 2006.01 )  
*C12N 7/00* ( 2006.01 )  
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*A61K 47/10* ( 2017.01 )  
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*A61P 31/20* ( 2006.01 )  
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**B41J 2/14** ( 2006.01 )  
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**F03B 3/04** ( 2006.01 )  
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 (54) Influenza virus hemagglutinin mutants  
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**A61K 39/145** ( 2006.01 )  
**C07K 14/11** ( 2006.01 )  
**C07K 16/10** ( 2006.01 )  
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 (54) Influenza virus hemagglutinin mutants  
 (51) Int. Cl.  
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**A01H 5/00** ( 2018.01 )  
**A61K 39/145** ( 2006.01 )  
**C07K 14/11** ( 2006.01 )  
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 (54) Influenza virus hemagglutinin mutants  
 (51) Int. Cl.  
**C12N 15/44** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
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**A61P 31/16** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
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**C12N 7/00** ( 2006.01 )

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**(74)** Phillips Ormonde Fitzpatrick

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**(54)** System and method for performing and evaluating a procedure  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 5/107** ( 2006.01 )  
**A61B 5/06** ( 2006.01 )  
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**(54)** System and method for performing and evaluating a procedure  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
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**C12Q 1/6865** ( 2018.01 )  
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**C12P 19/34** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.  
**A61K 31/53** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
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**B02C 2/04** ( 2006.01 )  
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**(54)** Student-centered learning system with student and teacher dashboards  
**(51)** Int. Cl.  
**G09B 5/08** ( 2006.01 )  
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**G06F 11/36** ( 2006.01 )  
**G06F 12/0802** ( 2016.01 )  
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**H05G 1/32** ( 2006.01 )  
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**A61P 9/00** ( 2006.01 )  
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 (54) Drilling fluids and uses thereof  
 (51) Int. Cl.  
*C09K 8/24* ( 2006.01 )  
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*B01D 53/14* ( 2006.01 )  
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 (54) Vortex acceleration wind energy tower  
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*A23L 33/22* ( 2016.01 )  
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 (54) Multi-action transaction system and method  
 (51) Int. Cl.  
*G06Q 20/36* ( 2012.01 )  
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*G06Q 20/38* ( 2012.01 )  
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 (74) Halfords IP

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 (51) Int. Cl.  
*C08J 5/18* ( 2006.01 )  
*B65D 65/46* ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2019262763  
 (21) 2019262763 (22) 12.04.2019  
 (54) Water-soluble polyvinyl alcohol blend film, related methods, and related articles  
 (51) Int. Cl.  
*C08J 5/18* ( 2006.01 )  
*B65D 65/46* ( 2006.01 )  
*C08K 5/00* ( 2006.01 )  
*C11D 17/04* ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2019263319  
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 (54) Water-soluble polyvinyl alcohol film, related methods, and related articles  
 (51) Int. Cl.  
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*C08K 5/00* ( 2006.01 )  
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 (72) GOETZ, Richard; CHILDERS, Jennifer L.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Moose Manufacturing LLC  
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 (54) System and method for mounting to an aircraft floor  
 (51) Int. Cl.  
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 (72) NICHOLS, Angelo; NICHOLS, Harry  
 (74) Patentec Patent Attorneys

(71) MosSmith Industries, Inc.  
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 (54) Emergency response system  
 (51) Int. Cl.  
*H04L 29/08* ( 2006.01 )  
*G16H 40/67* ( 2018.01 )  
*H04W 4/90* ( 2018.01 )  
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 (72) MACGABANN, Padraig  
 (74) FB Rice Pty Ltd

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 (11) AU-A-2018422609

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 (54) System, device, and method for an electronic digital assistant recognizing and responding to an audio inquiry by gathering information distributed amongst users in real-time and providing a calculated result  
 (51) Int. Cl.  
*G06F 16/2452* (2019.01)  
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 (72) STEFANSKI, Mariusz; MASLOWSKI, Kornel; MAJCHERCZYK, Dariusz; GUSTOF, Grzegorz  
 (74) Phillips Ormonde Fitzpatrick
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 (11) AU-A-2019276731  
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 (54) Apparatus, system and method for generating a virtual assistant on a repeater  
 (51) Int. Cl.  
*H04B 7/15* (2006.01)  
*H04B 7/155* (2006.01)  
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 (74) Phillips Ormonde Fitzpatrick
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- (71) Muhamad, I.  
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 (54) Rotary connection for a rotor blade of a wind turbine  
 (51) Int. Cl.  
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**C07K 16/24** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 25/04** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(54)** Methods and systems for detecting shading for solar trackers

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**G06N 20/00** ( 2019.01 )  
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**H02M 3/00** ( 2006.01 )  
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**B32B 5/12** ( 2006.01 )  
**B32B 5/26** ( 2006.01 )  
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**(31)** 16/408,213 **(32)** 09.05.19 **(33)** US  
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**(43)** 14.11.2019  
**(72)** HANAN, Jay Clarke; SHABAFROOZ, Vahid  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Nicoventures Trading Limited  
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**(54)** Electronic vapour provision system with aerosolisable substrate material dispensing arrangement  
**(51)** Int. Cl.  
**A24F 47/00** ( 2006.01 )  
**A61M 11/04** ( 2006.01 )  
**A61M 15/06** ( 2006.01 )  
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**(43)** 28.11.2019  
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**(54)** Adjustable bail extension  
**(51)** Int. Cl.  
**F16B 7/14** ( 2006.01 )  
**B66C 1/34** ( 2006.01 )  
**E21B 19/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**B60C 11/16** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/28** ( 2006.01 )  
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**A61K 8/362** ( 2006.01 )  
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**A61K 8/67** ( 2006.01 )  
**A61K 31/07** ( 2006.01 )  
**A61K 31/10** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
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**A61K 33/24** ( 2019.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 17/08** ( 2006.01 )  
**A61Q 17/00** ( 2006.01 )  
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**(43)** 17.10.2019  
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**(74)** In-Legal Limited

**(71)** North American Power Products, Inc.; Matyac, M.  
**(11)** AU-A-2019261887  
**(21)** 2019261887 **(22)** 15.04.2019  
**(54)** Surge protector with wireless notification  
**(51)** Int. Cl.  
**G08B 21/18** ( 2006.01 )  
**H01C 7/12** ( 2006.01 )  
**H02H 9/04** ( 2006.01 )  
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**(43)** 07.11.2019  
**(72)** MATYAC, Mark  
**(74)** Armour IP Pty Ltd

**(71)** NovaFlux, Inc.  
**(11)** AU-A-2019249171  
**(21)** 2019249171 **(22)** 03.04.2019  
**(54)** Cleaning composition with superabsorbent polymer  
**(51)** Int. Cl.  
**C11D 3/14** ( 2006.01 )  
**B08B 3/08** ( 2006.01 )  
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**(54)** Automatic drug delivery device  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
**A61M 5/32** ( 2006.01 )  
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**(31)** 18174190.1 **(32)** 24.05.18 **(33)** EP  
 18174183.6 24.05.18 EP  
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**(11)** AU-A-2019273832  
**(21)** 2019273832 **(22)** 23.05.2019  
**(54)** Automatic drug delivery device  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
**A61M 5/32** ( 2006.01 )  
**(87)** WO2019/224783  
**(31)** 18174190.1 **(32)** 24.05.18 **(33)** EP  
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**(21)** 2019273833 **(22)** 23.05.2019  
**(54)** Automatic drug delivery device  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
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**A61M 5/32** ( 2006.01 )  
**(87)** WO2019/224784  
**(31)** 18174181.0 **(32)** 24.05.18 **(33)** EP  
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**(54)** ENTPD2 antibodies, combination therapies, and methods of using the antibodies and combination therapies  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(31)** 62/677,850 **(32)** 30.05.18 **(33)** US  
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**(11)** AU-A-2019263674  
**(21)** 2019263674 **(22)** 03.05.2019  
**(54)** GIP derivatives and uses thereof  
**(51)** Int. Cl.  
**C07K 14/575** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
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**(21)** 2019282189 **(22)** 04.06.2019  
**(54)** Solid enzymatic article for use in baking  
**(51)** Int. Cl.  
**A21D 10/00** ( 2006.01 )  
**A21D 2/18** ( 2006.01 )  
**A21D 2/22** ( 2006.01 )  
**A21D 8/04** ( 2006.01 )  
**A23P 10/20** ( 2016.01 )  
**(87)** WO2019/234042  
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**(72)** SIMONSEN, Ole; LARSON, Katarina; HANSEN, Kjersti Slot; LUNDBERG, Karina; VAN CAELENBERG, Tim; VAN-HUELE, Isabel  
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**(11)** AU-A-2019284781  
**(21)** 2019284781 **(22)** 12.06.2019  
**(54)** Self-flushing ports  
**(51)** Int. Cl.  
**A61M 39/10** ( 2006.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 39/00** ( 2006.01 )  
**A61M 39/02** ( 2006.01 )  
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**(31)** 62/684,499 **(32)** 13.06.18 **(33)** US  
**(43)** 19.12.2019  
**(72)** KIMBALL, Ian  
**(74)** Griffith Hack
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**(21)** 2018417849 **(22)** 04.04.2018  
**(54)** User terminal and wireless communication method  
**(51)** Int. Cl.  
**H04W 24/10** ( 2009.01 )  
**H04W 72/04** ( 2009.01 )  
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**(54)** User equipment and base station device  
**(51)** Int. Cl.  
**H04W 52/18** ( 2009.01 )  
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 (51) Int. Cl.  
*H04W 72/04* (2009.01 )  
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 (72) MATSUMURA, Yuki; TAKEDA, Kazuki;  
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 Satoshi  
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 (21) 2018422906 (22) 08.05.2018  
 (54) User terminal and wireless communica-  
 tion method  
 (51) Int. Cl.  
*H04L 27/26* (2006.01 )  
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 (72) MATSUMURA, Yuki; NAGATA, Satoshi  
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(71) Nucor Corporation  
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 (54) Method for altering casting roll profile  
 with the alteration of localized temperat-  
 ure  
 (51) Int. Cl.  
*B21B 1/00* (2006.01 )  
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*B22D 11/00* (2006.01 )  
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 (31) 62/669,079 (32) 09.05.18 (33) US  
 (43) 14.11.2019  
 (72) NOONING, Robert; SCHMITZ,  
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 BRECHT-FRUEH, Ulrich  
 (74) Griffith Hack

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 (21) 2019273872 (22) 23.05.2019  
 (54) Liner assembly for pipelines and related  
 method  
 (51) Int. Cl.  
*F16L 55/18* (2006.01 )  
*B29C 63/34* (2006.01 )  
*F16L 55/163* (2006.01 )  
*F16L 58/10* (2006.01 )  
*F17D 1/08* (2006.01 )  
*F22B 33/18* (2006.01 )  
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 (31) 62/675,750 (32) 23.05.18 (33) US  
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 MANNERS, Cameron  
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(71) Numa Tool Company  
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 along stem drill rod  
 (51) Int. Cl.  
*E21B 21/12* (2006.01 )  
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B01D 9/02 ( 2006.01 )  
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**A61K 31/085** ( 2006.01 )  
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**A23G 3/36** ( 2006.01 )  
**A23P 10/28** ( 2016.01 )  
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**G01N 11/14** ( 2006.01 )  
**B01F 15/00** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
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(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61K 9/127** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07D 239/70** ( 2006.01 )  
**C07D 401/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 8/34** ( 2006.01 )  
**A61K 8/9783** ( 2017.01 )  
**A61K 36/487** ( 2006.01 )  
**A61K 36/898** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
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**(54)** An apparatus and method of detecting anomalies in an acoustic signal
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**F03D 13/00** ( 2016.01 )  
**G01M 13/00** ( 2019.01 )  
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**(54)** Tyre for bicycle wheels  
**(51)** Int. Cl.  
**B60C 15/00** ( 2006.01 )  
**B60C 9/18** ( 2006.01 )  
**B60C 9/20** ( 2006.01 )  
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**(51)** Int. Cl.  
**A47J 37/00** ( 2006.01 )  
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**A61K 9/50** ( 2006.01 )  
**A23P 10/30** ( 2016.01 )  
**A61K 35/745** ( 2015.01 )  
**A61K 35/747** ( 2015.01 )  
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**G06N 7/00** ( 2006.01 )  
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**A61K 31/495** ( 2006.01 )  
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**C07D 241/02** ( 2006.01 )  
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**B01L 3/00** ( 2006.01 )  
**G01N 33/24** ( 2006.01 )  
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**A41D 1/06** ( 2006.01 )  
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**C07C 13/20** ( 2006.01 )  
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**B01L 9/00** ( 2006.01 )  
**G01N 21/07** ( 2006.01 )  
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**B01L 3/00** ( 2006.01 )  
**C12Q 1/18** ( 2006.01 )  
**G01N 1/30** ( 2006.01 )  
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G06Q 30/06 ( 2012.01 )  
G06K 9/00 ( 2006.01 )  
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A61N 5/10 ( 2006.01 )  
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A61K 38/46 ( 2006.01 )  
C12N 5/10 ( 2006.01 )  
C12N 9/22 ( 2006.01 )  
C12N 15/11 ( 2006.01 )  
C12N 15/63 ( 2006.01 )  
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C11B 3/06 ( 2006.01 )  
A23D 9/00 ( 2006.01 )  
C11B 3/10 ( 2006.01 )  
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C10G 65/04 ( 2006.01 )  
B01J 19/24 ( 2006.01 )  
C01B 3/36 ( 2006.01 )  
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**H02J 7/00** ( 2006.01 )  
**B60L 53/62** ( 2019.01 )  
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**B01J 20/22** ( 2006.01 )  
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**G06F 3/12** ( 2006.01 )  
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**A61K 31/553** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
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**C07D 413/14** ( 2006.01 )  
**A61K 31/553** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
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**C07B 59/00** ( 2006.01 )  
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**B65G 69/28** ( 2006.01 )  
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**F16J 15/02** ( 2006.01 )  
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 (51) Int. Cl.

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**E01B 27/14** ( 2006.01 )  
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**C07H 21/00** ( 2006.01 )  
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**(54)** Apparatus and method for delivering feed supplement  
**(51)** Int. Cl.  
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**B65G 53/06** ( 2006.01 )  
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**C09D 11/36** ( 2014.01 )  
**B41J 2/01** ( 2006.01 )  
**B41M 5/00** ( 2006.01 )  
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**C07K 1/04** ( 2006.01 )  
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**C07K 1/06** ( 2006.01 )  
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**B07B 1/14** ( 2006.01 )  
**B03B 9/04** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**A01H 1/00** ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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*G01M 3/04* (2006.01)  
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(54) Aromatic compound and preparation method therefor and use thereof  
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*A61K 31/122* (2006.01)  
*A61K 31/133* (2006.01)  
*A61P 25/00* (2006.01)  
*A61P 25/04* (2006.01)  
*A61P 25/28* (2006.01)  
*C07C 225/20* (2006.01)  
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*G06N 3/08* (2006.01)  
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*A61K 31/519* (2006.01)  
*A61P 35/00* (2006.01)  
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*A61K 31/7048* (2006.01)  
*A61P 29/00* (2006.01)  
*C07H 1/08* (2006.01)  
*C07H 17/08* (2006.01)  
*C12P 19/62* (2006.01)  
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*H04L 1/00* (2006.01)  
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*H04W 28/06* (2009.01)  
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 A61K 35/744 ( 2015.01 )  
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A21D 13/32 ( 2017.01 )

A21D 13/36 ( 2017.01 )

A21D 13/38 ( 2017.01 )

A23G 3/40 ( 2006.01 )

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A21D 13/32 ( 2017.01 )

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A23C 9/152 ( 2006.01 )

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A63B 71/06 ( 2006.01 )

G01S 5/18 ( 2006.01 )

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H05B 33/08 ( 2006.01 )

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**B65D 83/04** ( 2006.01 )  
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**A61Q 11/00** ( 2006.01 )  
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**C12Q 1/6874** ( 2018.01 )  
**B01L 3/00** ( 2006.01 )  
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**F25D 31/00** ( 2006.01 )  
**C23C 10/00** ( 2006.01 )  
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**A01D 34/00** ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
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C12N 15/117 ( 2010.01 )  
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**E21B 17/042** ( 2006.01 )  
**F16L 15/00** ( 2006.01 )  
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 (72) BRIANE, Benoît; FOTHERGILL, Alan; FOULOGNE, Anthony; MARTIN, Pierre  
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 (54) Tubular threaded connection  
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**E21B 17/042** ( 2006.01 )  
**F16L 15/00** ( 2006.01 )  
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 (54) Wearable device to monitor musculoskeletal loading, estimate tissue microdamage and provide injury risk biofeedback  
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     C11D 3/20 ( 2006.01 )  
     C11D 3/43 ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Anti-microbial implant coating  
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(71) Washington University  
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*F02D 19/06* ( 2006.01 )  
*F02D 19/08* ( 2006.01 )  
*F02M 21/02* ( 2006.01 )  
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*H02J 9/02* ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys

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 (74) Allens Patent & Trade Mark Attorneys

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 (54) Downhole straddle system  
 (51) Int. Cl.  
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*B64C 39/02* ( 2006.01 )  
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*B66C 1/34* ( 2006.01 )  
*G06Q 10/08* ( 2012.01 )  
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 (51) Int. Cl.  
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*C07K 14/54* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (51) Int. Cl.  
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 (54) Compositions and methods for reducing progression of nephrolithiasis  
 (51) Int. Cl.  
*A61P 13/12* ( 2006.01 )  
*C12N 9/16* ( 2006.01 )  
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 (54) Compositions and methods for reducing progression of nephrolithiasis  
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 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
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 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*A61K 38/20* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 31/465* ( 2006.01 )  
*A24B 15/16* ( 2006.01 )  
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 (11) AU-A-2019265041  
 (21) 2019265041 (22) 10.04.2019  
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 (51) Int. Cl.  
*E04F 13/15* ( 2006.01 )  
*B32B 3/30* ( 2006.01 )  
*E04B 1/76* ( 2006.01 )  
*E04F 13/08* ( 2006.01 )  
*G02B 5/00* ( 2006.01 )  
*G02B 5/124* ( 2006.01 )  
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 (54) Ceiling illumination window  
 (51) Int. Cl.  
*E06B 5/00* ( 2006.01 )  
*F21S 11/00* ( 2006.01 )  
*F21V 5/02* ( 2006.01 )  
*F21V 13/04* ( 2006.01 )  
*G02B 5/00* ( 2006.01 )  
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- (71) Yoshino Gypsum Co., Ltd.  
 (11) AU-A-2019268718  
 (21) 2019268718 (22) 07.05.2019  
 (54) Inspection device, plate-like object manufacturing device, inspection method, and plate-like object manufacturing method  
 (51) Int. Cl.  
*G01N 21/892* ( 2006.01 )  
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 (11) AU-A-2019268945  
 (21) 2019268945 (22) 16.05.2019  
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(51) Int. Cl.  
*C07D 403/04* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 1/00* ( 2006.01 )  
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(71) Zhejiang Yat Electrical Appliance Co., Ltd  
 (11) AU-A-2019278052  
 (21) 2019278052 (22) 30.05.2019  
 (54) GNSS-RTK-based positioning method  
 (51) Int. Cl.  
*G01S 19/41* ( 2010.01 )  
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 (87) WO2019/228439  
 (31) 201810556616.5 (32) 01.06.18 (33) CN  
 (43) 05.12.2019  
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 (74) Michael Buck IP

(71) Zhuhai Yufan Biotechnologies Co., Ltd  
 (11) AU-A-2019260159  
 (21) 2019260159 (22) 19.04.2019  
 (54) HPK1 inhibitors, preparation method and application thereof  
 (51) Int. Cl.  
*C07D 417/14* ( 2006.01 )  
*A61K 31/4427* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 213/76* ( 2006.01 )  
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*C07D 401/04* ( 2006.01 )  
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*C07D 409/04* ( 2006.01 )  
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 (72) LIAO, Xuebin  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) ZoomEssence, Inc.  
 (11) AU-A-2019260812  
 (21) 2019260812 (22) 28.04.2019  
 (54) Low temperature spray drying of carrier-free compositions  
 (51) Int. Cl.

*B01D 1/18* ( 2006.01 )  
*B01J 13/04* ( 2006.01 )  
*F26B 3/12* ( 2006.01 )  
 (87) WO2019/210289  
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 (43) 31.10.2019  
 (72) BEETZ, Charles Pershing; BEETZ, Jason Andrew; SCHLIPF, Daniel Michael; LI, Jason Zhixin  
 (74) Northern Lights IP

(71) ZTE Corporation  
 (11) AU-A-2019248665  
 (21) 2019248665 (22) 29.03.2019  
 (54) Transmission method and apparatus  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04W 72/04* ( 2009.01 )  
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 (31) 201810291088.5 (32) 03.04.18 (33) CN  
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 (21) 2019249622 (22) 03.04.2019  
 (54) Access selection method and apparatus  
 (51) Int. Cl.  
*H04W 48/08* ( 2009.01 )  
 (87) WO2019/192524  
 (31) 201810301414.6 (32) 04.04.18 (33) CN  
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 (11) AU-A-2019254220  
 (21) 2019254220 (22) 12.04.2019  
 (54) Information transmission method and device, storage medium and electronic device  
 (51) Int. Cl.  
*H04L 1/00* ( 2006.01 )  
*H04W 72/12* ( 2009.01 )  
 (87) WO2019/201174  
 (31) 201810350983.X (32) 18.04.18 (33) CN  
 (43) 24.10.2019  
 (72) SHI, Jing; XIA, Shuqiang; LIANG, Chunli; HAN, Xianghui; REN, Min; LIN, Wei  
 (74) Davies Collison Cave Pty Ltd

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<b>2018238004</b>	Ben-Shalom, Z.	<b>2018440173</b>	Halliburton Energy Services, Inc.
<b>2018247561</b>	InterK Peptide Therapeutics Limited	<b>2018441598</b>	Halliburton Energy Services, Inc.
<b>2018415217</b>	Wear Future Technologies Co., Ltd	<b>2018441604</b>	Halliburton Energy Services, Inc.
<b>2018415302</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019209204</b>	Illumina, Inc.
<b>2018415553</b>	W. L. Gore & Associates, Inc.	<b>2019224665</b>	Hovione Scientia Limited
<b>2018416893</b>	Jiangsu Huifeng Bio Agriculture Co., Ltd.	<b>2019230474</b>	Mizerit, B.
<b>2018417235</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019239493</b>	LG Electronics Inc.
<b>2018417379</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019240755</b>	Fliteboard Pty Ltd
<b>2018417481</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019241040</b>	Wear Future Technologies Co., Ltd
<b>2018417849</b>	NTT DOCOMO, INC.	<b>2019241257</b>	Hinova Pharmaceuticals Inc.
<b>2018417860</b>	NTT DOCOMO, INC.	<b>2019241374</b>	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Haihe Biopharma Co., Ltd.; Jinan University
<b>2018418065</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019242685</b>	Dai Nippon Printing Co., Ltd.
<b>2018418224</b>	Originecell Therapeutics Co., Ltd.	<b>2019242741</b>	Warsaw Orthopedic, Inc.
<b>2018418717</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2019243374</b>	LG Electronics Inc.
<b>2018418838</b>	Gupta, R.R.	<b>2019243692</b>	Vizetto Inc.
<b>2018419035</b>	Hangzhou United Tools Co., Ltd.; Hangzhou Great Star Industrial Co., Ltd.	<b>2019243944</b>	Warsaw Orthopedic, Inc.
<b>2018419068</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019244313</b>	Kongsberg Maritime Finland OY
<b>2018420117</b>	Resemin S.A.	<b>2019244446</b>	Archangel Lightworks Ltd
<b>2018420438</b>	Cambridge Enterprise Limited	<b>2019244842</b>	L&T Technology Services Limited
<b>2018420462</b>	Nuseed Pty Ltd.	<b>2019245251</b>	PerkinElmer Health Sciences, Inc.
<b>2018420613</b>	Guangzhou Cas Lamvac Biotech Co., Ltd	<b>2019245423</b>	Exposition Park Holdings SECZ; Yantis, J.; Quigley, W.
<b>2018421149</b>	Bridgestone Corporation	<b>2019245424</b>	Exposition Park Holdings Secz; Yantis, J.; Quigley, W.
<b>2018421330</b>	W. L. Gore & Associates, Inc.	<b>2019245452</b>	Living Greens Farm, Inc.
<b>2018421460</b>	Antisense Therapeutics Ltd	<b>2019245460</b>	Break-Three Medical Industries, Inc.
<b>2018421847</b>	NTT DOCOMO, INC.	<b>2019246989</b>	Sharp Kabushiki Kaisha; FG Innovation Company Limited
<b>2018421974</b>	Telefonaktiebolaget LM Ericsson (publ)	<b>2019247007</b>	Vivo Mobile Communication Co., Ltd.
<b>2018422051</b>	AAG Wearable Technologies Pty Ltd	<b>2019247198</b>	Aegex Technologies, LLC
<b>2018422609</b>	Motorola Solutions, Inc	<b>2019247217</b>	Synthonics, Inc.
<b>2018422635</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019247309</b>	LG Electronics Inc.
<b>2018422687</b>	BL Technologies, Inc.	<b>2019247335</b>	Trans Pacific Ventures Limited
<b>2018422899</b>	Tanaka, Y.	<b>2019247403</b>	Cibus US LLC; Cibus Europe, B.V.
<b>2018422906</b>	NTT DOCOMO, INC.	<b>2019247406</b>	TomoWave Laboratories, Inc.
<b>2018423151</b>	BSN Medical, Inc.	<b>2019247419</b>	MosSmith Industries, Inc.
<b>2018423670</b>	Essity Hygiene and Health Aktiebolag	<b>2019247424</b>	The Research Foundation for the State University of New York; Wisconsin Alumni Research Foundation
<b>2018423679</b>	Essity Hygiene and Health Aktiebolag	<b>2019247458</b>	Paxis LLC
<b>2018423700</b>	Hager-Electro SAS	<b>2019247498</b>	Sumitomo Dainippon Pharma Oncology, Inc.
<b>2018423796</b>	ASICS Corporation	<b>2019247544</b>	LumaCyte, LLC
<b>2018424174</b>	Patient Positioning Systems, LLC	<b>2019247554</b>	Oncolyze, Inc.
<b>2018424195</b>	Synergy Blue, LLC	<b>2019247797</b>	Pellis Care Limited
<b>2018424294</b>	Prysmian S.p.A.	<b>2019247842</b>	Epiodyne, Inc.
<b>2018424296</b>	Electrolux Professional AB (publ)	<b>2019247885</b>	Aurigene Discovery Technologies Limited
<b>2018424297</b>	Prysmian S.p.A.	<b>2019248012</b>	TAYLOR, D.
<b>2018424303</b>	Alistella SA	<b>2019248022</b>	Rusoke-Dierich, O.
<b>2018424469</b>	Feetness S.r.l.	<b>2019248164</b>	Sharp Kabushiki Kaisha; FG Innovation Company Limited
<b>2018424693</b>	Electrolux Appliances Aktiebolag	<b>2019248218</b>	Bridson, R.
<b>2018425050</b>	Micro-X Limited	<b>2019248224</b>	The Royal Institution for the Advancement of Learning/McGill University
<b>2018425680</b>	The Procter & Gamble Company	<b>2019248254</b>	LG Electronics Inc.
<b>2018426050</b>	Institute Of Acoustics, Chinese Academy Of Sciences; Beijing Hili Technology Co. Ltd	<b>2019248255</b>	LG Electronics Inc.
<b>2018426445</b>	Mitsubishi Electric Corporation	<b>2019248256</b>	LG Electronics Inc.
<b>2018426555</b>	Sunland (Shanghai) Investment Co. Ltd	<b>2019248257</b>	LG Electronics Inc.
<b>2018426934</b>	Essity Hygiene and Health Aktiebolag	<b>2019248258</b>	LG Electronics Inc.
<b>2018427101</b>	Invaluable Inventions	<b>2019248261</b>	LG Electronics Inc.
<b>2018427104</b>	Loh, Y.	<b>2019248310</b>	Shanghai Jianhe Pharmaceutical & Technology Co. Ltd.
<b>2018428488</b>	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	<b>2019248403</b>	Neutrik AG
<b>2018432691</b>	Fai Filtri S.r.l.	<b>2019248567</b>	Rigshospitalet; University of Copenhagen
<b>2018433553</b>	Robel Bahnbaumaschinen GmbH	<b>2019248621</b>	Biological Dynamics, Inc.
<b>2018436511</b>	Halliburton Energy Services, Inc.	<b>2019248657</b>	Sharp Kabushiki Kaisha; FG Innovation Company Limited
		<b>2019248665</b>	ZTE Corporation
		<b>2019248875</b>	Ancestry.com DNA, LLC
		<b>2019248959</b>	Honbusankei Co., Ltd.
		<b>2019249064</b>	Douglas, D.; Douglas, R.; Douglas, K.

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2019249121	Stealth BioTherapeutics Corp.	2019253572	Elekta, Inc.
2019249162	Cornell University	2019253678	Becton Dickinson and Company Limited
2019249171	NovaFlux, Inc.	2019253700	Allen Institute; Seattle Children's Hospital d/b/a Seattle Children's Research Institute
2019249244	Solenis Technologies, L.P.	2019253706	G1 Therapeutics, Inc.
2019249314	GOLEYGO GmbH	2019253714	Siolta Therapeutics, Inc.; The Regents of the University of California
2019249451	Shaw Industries Group, Inc.	2019253919	INVIROPOD PTY LTD
2019249468	Rigaku Corporation	2019253924	StickyCell Pty Ltd
2019249622	ZTE Corporation	2019254220	ZTE Corporation
2019250339	Abiogen Pharma S.p.A.	2019254266	igus GmbH
2019250345	Koninklijke Philips N.V.	2019254610	Metso Minerals, Inc.
2019250350	Welltec Oilfield Solutions AG	2019254640	Combioxin SA
2019250353	Schons, G.; Schons, M.	2019254642	Tchibo GmbH
2019250359	Sanofi-Aventis Deutschland GmbH	2019254655	Wonderland Switzerland AG
2019250362	Sanofi-Aventis Deutschland GmbH	2019254706	Q-linea AB
2019250651	LIM, K.M.	2019254728	Lappeenranta-Lahden Teknillinen Yliopisto LUT; Teknologian Tutkimuskeskus VTT Oy
2019250779	E M & I (Maritime) Limited	2019254734	Konecranes Global Corporation
2019250782	E M & I (Maritime) Limited	2019254824	UCL Business Ltd
2019250783	E M & I (Maritime) Limited	2019254862	Herman, C.
2019250836	China National Rice Research Institute	2019254974	Shanghai Tonglian Pharmaceutical Co., Ltd.
2019251091	BRIM Biotechnology, Inc.	2019254979	Hitgen Inc.
2019251096	Eisai R&D Management Co., Ltd.	2019255069	The University of Tokyo; Saraya Co., Ltd.
2019251151	ShanghaiTech University	2019255157	Auckland UniServices Limited
2019251158	Huawei Technologies Co., Ltd.	2019255212	Chart Energy & Chemicals, Inc.
2019251223	Arvinas Operations, Inc.	2019255233	Cardurion Pharmaceuticals, LLC
2019251289	MedImmune Limited; Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron; Fundacio Privada Institutio Catalana de Recerca i Estudis Avancats	2019255307	Domo, Inc.
2019251343	Blockchain Goose Inc	2019255367	Mazo Energy Tech Ltd
2019251420	Vibrant Ltd.	2019255373	Iota Biosciences, Inc.
2019251448	Noon Aesthetics M.R Ltd.	2019255377	Iota Biosciences, Inc.
2019251452	Dr. Reddy's Laboratories Limited	2019255405	Indian Institute of Science
2019251453	Dr. Reddy's Laboratories Limited	2019255435	Polycaps Holdings Ltd.
2019251467	Cerenetex, Inc.	2019255515	Immivira Co., Limited
2019251512	Dimitrakopoulos, L.; Dimitrakopoulos, E.	2019255539	The Regents of the University of California
2019251695	ThyssenKrupp Industrial Solutions AG; ThyssenKrupp AG	2019255692	Endocyte, Inc.
2019251776	Les Entreprises Francois Masse Inc.	2019255708	The Trustees of the University of Pennsylvania; Ascidian Therapeutics, Inc.
2019251815	Borges Agricultural & Industrial Edible Oils S.A.U.	2019255717	Tempest Therapeutics, Inc.
2019251824	Aqua Free GmbH	2019255744	Xencor, Inc.
2019251997	Uncinate Joint, LLC	2019255798	The Regents of the University of California
2019252112	The Administrators of the Tulane Educational Fund	2019256004	Pastificio Rana S.p.A.
2019252204	Ractigen Therapeutics	2019256065	Ajinomoto Co., Inc.
2019252265	DUBY, S.	2019256177	Hangzhou Sumgen Biotech Co., Ltd.; Sumgen Mab (Beijing) Biotech Co., Ltd.
2019252312	Borges Agricultural & Industrial Edible Oils S.A.U.	2019256257	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019252432	Eisai R&D Management Co., Ltd.	2019256304	Subtle Medical, Inc.
2019252561	Oric Pharmaceuticals, Inc.	2019256349	Inanna Diagnostics, Inc.
2019252565	Tychan Pte. Ltd.	2019256383	Celldex Therapeutics, Inc.
2019252676	Ohio State Innovation Foundation	2019256465	Southern Research Institute
2019252703	Aqseptence Group Inc.	2019256520	Xencor, Inc.
2019252796	Dormakaba USA Inc.	2019256523	Natural Fiber Welding, Inc.
2019252878	Stichting Sanquin Bloedvoorziening	2019256529	Xencor, Inc.
2019252920	ReShape Lifesciences, Inc.	2019256539	Xencor, Inc.
2019252923	C.R. Bard, Inc.	2019256700	Clawson, J.
2019252933	The Board of Trustees of the University of Illinois	2019256747	C3 Bio-Technologies Limited
2019252957	Ullrich Machinery Company Limited	2019256816	Alma Mater Studiorum - Universita' Di Bologna
2019252970	Affimed GmbH	2019256956	iENT Inc.
2019252982	Manna Irrigation Ltd.	2019257105	Stichting VU
2019253000	TIGERQ AB	2019257116	Jagtech AS
2019253016	Alexium, Inc.	2019257287	Becton, Dickinson and Company
2019253070	Dr. Reddy's Laboratories Limited	2019257632	pH Pharma Co., Ltd.
2019253078	Davines S.p.A.	2019257635	CareFusion 303, Inc.
2019253111	bioAffinity Technologies, Inc.	2019257649	Moose Manufacturing LLC
2019253113	Solaria Corporation	2019257716	Vektor Medical, Inc.
2019253139	John Innes Centre; Commonwealth Scientific and Industrial Research Organisation; The University of Sydney	2019257771	CoapTech LLC; Tropello, S.; Carolan, H.; Goldwasser, E.
2019253193	AC Immune SA	2019257784	W.M. Barr & Company, Inc.
2019253198	Chemical Intelligence Limited	2019258004	Univercells Technologies S.A.
2019253456	BRIM Biotechnology, Inc.	2019258099	Beijing Keeyoo Technologies Co., Ltd.
2019253462	Amgen Inc.	2019258157	Bactiguard AB
2019253554	Sakata Inx Corporation		

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2019258468	Ampsource Biopharma Shanghai Inc.; Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.	2019262217	Dry See LLC
2019258583	Mobile Technology Holdings Limited	2019262226	Paypal, Inc.
2019258585	Simpori Pty Ltd; Maia de Cerqueira, G.	2019262477	LG Electronics Inc.
2019258602	Intellitech Pty Ltd	2019262555	Keep The Company AB
2019258604	Ping Services Pty Ltd	2019262612	Midwestern University; Pharmazz, Inc.
2019258608	Noetic Technologies Inc.	2019262667	Sportsbeams Lighting, Inc.
2019258653	Shanghai MicroPort EP MedTech Co., Ltd.	2019262676	Agnetix, Inc.
2019258677	Ferring B.V.	2019262693	nCase Inc
2019258837	CNH Industrial France S.A.S.	2019262695	nCase Inc
2019258970	Exsitu, S.L.	2019262698	BOTHA, B.W.
2019259112	Universite Paris-Saclay; Centre National de la Recherche Scientifique (CNRS); Institut Gustave-Roussy; Institut National de la Sante et de la Recherche Medicale (INSERM)	2019262762	MonoSol, LLC
2019259230	GW Research Limited	2019262763	MonoSol, LLC
2019259296	GE Oil & Gas UK Limited	2019262857	Radux Devices, LLC
2019259344	Cartotecnica G. Arici S.r.l.	2019262930	Mackool, R.
2019259382	ENEOS Corporation	2019262939	PureWick Corporation
2019259549	Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.	2019262942	PureWick Corporation
2019259581	Nanostics Inc.	2019262944	PureWick Corporation
2019259637	SIVLÉR, P.; RAVICHANDRAN, R.	2019262945	PureWick Corporation
2019259818	Sumitomo Dainippon Pharma Co., Ltd.; The Kitasato Institute	2019262946	PureWick Corporation
2019259894	Mectron S.p.A.	2019262960	Gandel, B.
2019259986	RKW SE	2019262968	Goodrich, D.
2019260018	Siemens Aktiengesellschaft	2019262986	PayPal, Inc.
2019260159	Zhuhai Yufan Biotechnologies Co., Ltd	2019263048	Commvault Systems, Inc.
2019260233	Leisure-Tec International Limited	2019263088	Masterhaul LLC
2019260234	Leisure-Tec International Limited	2019263099	Colorobbia Consulting S.r.l.
2019260345	Equinor Energy AS	2019263122	CollPlant Ltd.
2019260558	Lesaffre et Compagnie	2019263145	InterMetro Communications, Inc.
2019260600	Google LLC	2019263218	Perfect Day, Inc.
2019260635	PPG Industries Ohio, Inc.	2019263220	REG Synthetic Fuels LLC
2019260636	PPG Industries Ohio, Inc.	2019263235	Premier Brands IP LLC
2019260705	Baylor College of Medicine	2019263254	Stryker Corporation
2019260734	Hoolett Performance Technologies Inc.	2019263282	HRM Enterprises, Inc.
2019260754	Seattle Children's Hospital D/B/A Seattle Children's Research Institute	2019263302	Chibi, Inc.
2019260778	Algix, LLC	2019263319	MonoSol, LLC
2019260779	1,4Group, Inc.; CAMPBELL, M.A.; WAXMAN, A.; FORTSYTHE, J.M.	2019263346	LG Electronics Inc.
2019260805	Children's National Medical Center	2019263364	Shoreline Biome, LLC
2019260812	ZoomEssence, Inc.	2019263395	Androvia Lifesciences, LLC
2019260829	Juno DTS, LLC	2019263401	Bigfoot Biomedical, Inc.
2019261031	Mitsubishi Heavy Industries Engineering, Ltd.	2019263471	Laibson, B.
2019261218	Omnio, Inc.	2019263490	Insulet Corporation
2019261411	Immune Targeting Inc.	2019263602	Bayer Aktiengesellschaft
2019261647	GenEdit Inc.	2019263606	Magotteaux International S.A.
2019261880	Baker Hughes Holdings LLC	2019263674	Novo Nordisk A/S
2019261887	North American Power Products, Inc.; Matyac, M.	2019263758	Thomson Reuters Enterprise Centre GmbH
2019261945	Vanderbilt University	2019263820	KIT Co. Ltd.; Bosquet Silicon Corp.
2019261986	Juno Therapeutics, Inc.	2019263863	Shenzhen Alpha Biopharmaceutical Co., Ltd.
2019262044	Renewable Energy Group, Inc.	2019263866	Shenzhen Alpha Biopharmaceutical Co. Ltd.
2019262061	Chibi, Inc.	2019263869	The Chinese University of Hong Kong; Grail, Inc.
2019262086	Camarena-Vazquez, G.	2019263874	Liu, S.
2019262090	HC-ATM Group Pty Ltd	2019263876	Centro de Investigación y Desarrollo de Medicamentos Cidem
2019262092	Sportech Industries Pty Ltd	2019263879	Promecon Process Measurement Control GmbH
2019262095	Oventus Medical Limited	2019263901	Essity Hygiene and Health Aktiebolag
2019262098	Water 2 Hydrogen (IP) Pty Ltd	2019263953	Landsteiner Genmed, S.L.
2019262100	Deep Brain Stimulation Technologies Pty Ltd	2019264047	Precision Planting LLC
2019262121	ConocoPhillips Company	2019264073	Kyungpook National University Industry-Academic Cooperation Foundation
2019262126	Geissler Companies, LLC	2019264096	N .V. Nutricia
2019262139	Acceleron Pharma Inc.	2019264134	Her Majesty the Queen in the Right of Canada as represented by the Minister of Health
2019262142	Rigel Pharmaceuticals, Inc.	2019264172	Hegla GmbH & Co. KG
2019262143	Acceleron Pharma Inc.	2019264180	Truma Gerätetechnik GmbH & Co. KG
2019262144	Rigel Pharmaceuticals, Inc.	2019264204	Siemens Mobility GmbH
2019262151	Optikam Tech, Inc.	2019264287	Truma Gerätetechnik GmbH & Co. KG
2019262179	Lincoln Memorial University	2019264737	Fresenius Vial SAS
2019262197	Perception Neuroscience, Inc.	2019264788	Jennewein Biotechnologie GmbH
2019262198	Thermedical, Inc.	2019264826	Dizal (Jiangsu) Pharmaceutical Co., Ltd.
2019262215	CareFusion 303, Inc.	2019264857	Tomm Tech Pty Ltd
		2019264874	KA Imaging Inc.
		2019264885	Spectronix Inc.
		2019264893	Torvex Energy Limited
		2019264923	Equifax Inc.

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2019264954	Teleflex Medical Devices S.a.r.l.	2019267188	IBD Therapeutics LLC
2019264991	Massachusetts Eye And Ear Infirmary; The Schepens Eye Research Institute, Inc.	2019267223	Sentinel Subsea Ltd
2019264995	Blackhawk Network, Inc.	2019267280	Matthews International Corporation
2019264996	The Methodist Hospital	2019267366	Landis+Gyr Innovations, Inc.
2019265011	University of Louisville Research Foundation, Inc.	2019267413	Apple Inc.
2019265018	Beam Therapeutics Inc.	2019267426	Radio Systems Corporation
2019265019	Beam Therapeutics Inc.	2019267442	Holley Performance Products, Inc.
2019265041	Yazaki Energy System Corporation	2019267458	Bellicum Pharmaceuticals, Inc.
2019265050	Sumitomo Metal Mining Co., Ltd.	2019267531	Conmed Corporation
2019265069	Sumitomo Electric Industries, Ltd.	2019267545	Yale University
2019265168	HysensBio	2019267569	Research Development Foundation
2019265169	HysensBio	2019267570	Holley Performance Products, Inc.
2019265196	KO BIOLABS, INC.	2019267680	Clearb Therapeutics Ltd.; Melbourne Health
2019265277	Despray Holding B.V.	2019267686	Runway Blue, LLC
2019265284	Heineken Supply Chain B.V.	2019267690	Niagara Bottling, LLC
2019265307	RAM SMAG Lifting Technologies Pte Ltd	2019267724	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2019265313	Temasek Life Sciences Laboratory Limited	2019267849	Shenzhen Chipscreen Biosciences, Co., Ltd.
2019265356	Pitco Frialator, Inc.	2019267959	Dizal (Jiangsu) Pharmaceutical Co., Ltd.
2019265357	Apple Inc.	2019267982	Quatius Technology (China) Limited
2019265409	Innovent Biologics (Suzhou) Co., Ltd.	2019267983	Quatius Technology (China) Limited
2019265430	Epiphanostics GmbH	2019268020	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2019265433	Apple Inc.	2019268022	Astellas Pharma Inc.
2019265483	SEW-EURODRIVE GmbH & Co. KG	2019268024	Astellas Pharma Inc.
2019265526	The Glad Products Company	2019268330	Voyager Therapeutics, Inc.
2019265539	The Regents of the University of California	2019268349	Ingram Micro Inc.
2019265554	Rite-Hite Holding Corporation	2019268353	Provectus Pharmatech, Inc.; The Governors Of The University Of Calgary
2019265560	BioMarin Pharmaceutical Inc.	2019268408	Renegeri Pty Ltd
2019265627	Locus Agriculture IP Company, LLC	2019268519	Fresenius Vial SAS
2019265707	University of Florida Research Foundation, Incorporated	2019268523	Mack Rides GmbH & Co. KG
2019265777	Adama Agan Ltd.	2019268578	Tracy of Sweden AB
2019265782	Baylis Medical Company Inc.	2019268582	Perfetti Van Melle S.p.A.
2019265786	Baylis Medical Company Inc.	2019268642	Daifuku Co., Ltd.
2019265796	ConMed Corporation	2019268668	Kobelco Construction Machinery Co., Ltd.
2019265855	Neuracle Science Co., Ltd.; Neuracle Genetics	2019268718	Yoshino Gypsum Co., Ltd.
2019265858	Thomson Reuters Enterprise Centre GmbH	2019268813	Ostara Nutrient Recovery Technologies Inc.
2019265874	Thomson Reuters Enterprise Centre GmbH	2019268945	Yuhan Corporation
2019265877	Matthews International Corporation	2019268955	Olipass Corporation
2019265888	Neuracle Science Co., Ltd.; Seoul National University R&DB Foundation	2019268990	E. Hawle Armaturenwerke GmbH
2019265889	Owens Corning Intellectual Capital, LLC	2019269038	Haldor Topsøe A/S
2019265921	Comet Biorefining Inc.	2019269047	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft
2019266049	Apple Inc.	2019269049	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft
2019266054	Apple Inc.	2019269145	Medacta International SA
2019266171	Pharmosa Biopharm Inc.	2019269372	Ariad Pharmaceuticals, Inc.
2019266190	Landis+Gyr LLC	2019269408	The Procter & Gamble Company
2019266203	Genmab A/S; MSD International GmbH	2019269553	De La Rue International Limited
2019266225	Apple Inc.	2019269557	Ieso Digital Health Limited
2019266284	Gaming Partners International USA, Inc.	2019269566	Thomson Reuters Enterprise Centre GmbH
2019266299	Nucor Corporation	2019269593	Flagship Pioneering Innovations V, Inc.
2019266309	Sonoco Development, Inc.	2019269601	Regents of The University of Minnesota
2019266326	Beam Therapeutics Inc.	2019269608	The Board of Trustees of the Leland Stanford Junior University
2019266327	Beam Therapeutics Inc.	2019269635	Twinstrand Biosciences, Inc.
2019266356	Epiroc Drilling Tools AB	2019269664	Gentex Corporation
2019266358	Mineral Carbonation International Pty Ltd	2019269677	Stryker Corporation
2019266364	Feasibility Pty Ltd	2019269713	Smith & Nephew Inc.; Smith & Nephew Pte. Limited; Smith & Nephew Orthopaedics AG
2019266406	Legochem Biosciences, Inc.; NovImmune, SA	2019269823	Huawei Technologies Co., Ltd.
2019266457	Waldemar Link GmbH & Co. KG	2019269893	Muhamad, I.
2019266497	Universitätsmedizin der Johannes Gutenberg-Universität Mainz	2019269925	Fresenius VIAL SAS
2019266525	Dizal (Jiangsu) Pharmaceutical Co., Ltd.	2019269926	Fresenius VIAL SAS
2019266549	BP Exploration Operating Company Limited	2019270066	LG Electronics Inc.
2019266550	Alpha Anomeric SAS	2019270136	Wagner Group GmbH
2019266763	Suntory Holdings Limited	2019270164	Research Triangle Institute
2019266764	Suntory Holdings Limited	2019270184	Bioerativ Therapeutics Inc.
2019266797	Huawei Technologies Co., Ltd.	2019270211	Jennewein Biotechnologie GmbH
2019266910	EVVA Sicherheitstechnologie GmbH	2019270244	NEXTracker Inc.
2019267050	Good T Cells, Inc.	2019270336	Oncology Venture ApS
2019267088	Stenon GmbH		
2019267166	GlaxoSmithKline Intellectual Property Development Limited		

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

2019270394	CTXT Pty Limited	2019274444	Aqua-Aerobic Systems, Inc.
2019270422	Brita GmbH	2019274469	The Regents of the University of California
2019270428	Ceva Sante Animale	2019274489	Fenwal, Inc.
2019270433	Naval Group	2019274588	University of Virginia Patent Foundation; Castilla, L.; Pulikkan, J.
2019270472	Worg Pharmaceuticals (Hangzhou) Co., Ltd.	2019274602	Visa International Service Association
2019270515	Leibniz-Institut für Plasmaforschung und Technologie e.V.	2019274628	BASF SE
2019270556	Messenger Biopharma	2019274652	Janssen Biotech, Inc.
2019270582	Emergex Vaccines Holding Limited	2019274653	Pirelli Tyre S.p.A.
2019270624	Janssen Biotech, Inc.; Stichting VUmC	2019274654	Pfizer Inc.
2019270635	Ruth Consolidated Industries Pty Limited	2019274655	Pfizer Inc.
2019270909	The Penn State Research Foundation	2019274656	Janssen Biotech, Inc.
2019270934	GPB Scientific, LLC	2019274791	Vallourec Oil and Gas France; Nippon Steel Corporation
2019270940	Regeneron Pharmaceuticals, Inc.	2019274792	Vallourec Oil and Gas France; Nippon Steel Corporation
2019270964	The Procter & Gamble Company	2019274793	Vallourec Oil and Gas France; Nippon Steel Corporation
2019270965	The Procter & Gamble Company	2019274926	BAE Systems plc
2019270966	The Procter & Gamble Company	2019275073	Hangzhou New Horizon Health Technology Co. Ltd.
2019270967	The Procter & Gamble Company	2019275076	National University of Singapore
2019271067	Epitracker, Inc.	2019275350	The Toro Company
2019271073	Haldor Topsøe A/S	2019275351	The Regents of The University of California
2019271123	Lundbeck La Jolla Research Center, Inc.	2019275354	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG
2019271129	Nuvation Bio Inc.	2019275363	Illinois Tool Works Inc.
2019271186	Sharklet Technologies, Inc.	2019275450	The Toro Company
2019271195	Baxter International Inc.; Baxter Healthcare SA	2019275478	MinEx CRC Limited
2019271199	Blastpoint, Inc.	2019275480	Branach Technology Pty Ltd
2019271219	Arbele Limited	2019275487	Guard IT Solutions Pty Ltd
2019271225	Lawrence Livermore National Security, LLC	2019275849	Haldor Topsøe A/S
2019271230	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Pte. Limited	2019275850	Haldor Topsøe A/S
2019271279	Forma Therapeutics, Inc.	2019275852	Carl Freudenberg KG
2019271288	Washington University	2019275870	Carl Freudenberg KG
2019271304	The Council of the Queensland Institute of Medical Research	2019275871	Carl Freudenberg KG
2019271346	Yazaki Energy System Corporation	2019276054	Seleggt GmbH
2019271373	Gentex Corporation	2019276189	Huawei Technologies Co., Ltd.
2019271388	California Institute of Technology	2019276252	Lysando AG
2019271417	WBS Project H Pty Ltd	2019276253	Lysando AG
2019271499	Gentex Corporation	2019276353	Omya International AG
2019271764	Liang, Y.	2019276357	Yatzz Limited
2019271766	Liang, Y.	2019276373	Tolboom Valve B.V.
2019271771	Suzhou Jinlin Metal Co., Ltd	2019276486	Akeso Biopharma, Inc.
2019272416	Chaudhuri, R.	2019276514	Jiangsu Hansoh Pharmaceutical Group Co., Ltd.; Shanghai Hansoh Biomedical Co., Ltd.
2019272447	Wing Aviation LLC	2019276637	Concentus Properties AB
2019272577	Eagle Pharmaceuticals, Inc.	2019276645	University of Florida Research Foundation, Incorporated; The Trustees of the University of Pennsylvania
2019272593	C.R. Bard, Inc.	2019276719	Omniome, Inc.
2019272778	President and Fellows of Harvard College	2019276731	Motorola Solutions, Inc.
2019272803	Wagner Group GmbH	2019276833	Intocell, Inc.
2019272838	ADC Therapeutics SA; MedImmune Limited	2019276858	Guala Pack S.p.A.
2019272880	The Climate Corporation	2019276864	DePuy Synthes Products, Inc.
2019272885	Alector LLC	2019276907	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited
2019272911	Red Bull GmbH	2019277010	Itron Global SARL
2019272913	Fresenius Medical Care Deutschland GmbH	2019277095	Avent, Inc.
2019272986	Vetrospace Oy	2019277125	Avent, Inc.
2019273033	Smiths Medical ASD, Inc.	2019277154	Anellotech, Inc.
2019273039	FinCo Services, Inc.	2019277217	Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children)
2019273246	Huawei Technologies Co., Ltd.	2019277219	OncoRes Medical Pty Ltd
2019273274	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019277272	University of Tasmania
2019273680	Pierre Fabre Dermo-Cosmetique	2019277276	Klabi S.A.
2019273683	BASF SE; Commonwealth Scientific and Industrial Research Organisation	2019277283	Botanical Extraction Solvent Free Ltd.
2019273754	Nicoventures Trading Limited	2019277294	Armery Medical Technologies Inc.
2019273768	Intelligent Growth Solutions Limited	2019277571	Numa Tool Company
2019273831	Novartis AG	2019277659	Stokely-Van Camp, Inc.
2019273832	Novartis AG	2019277817	Novartis AG
2019273833	Novartis AG	2019277966	Huawei Technologies Co., Ltd.
2019273834	Novartis AG		
2019273861	Filterlex Medical Ltd.		
2019273872	Nu Flow Technologies 2000 Inc.		
2019274229	Janssen Biotech, Inc.		
2019274230	Uber Technologies, Inc.		
2019274431	Epitracker, Inc.		



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2019278052	Zhejiang Yat Electrical Appliance Co., Ltd	2019291481	Alcon Inc.
2019278232	Creatrix AG	2019291882	Dana-Farber Cancer Institute, Inc.
2019278372	Suntory Holdings Limited	2019292018	Raytheon Company
2019278790	Sentec Ltd	2019292101	RESC, LTD.
2019278835	Board of Trustees of the University Of Arkansas	2019293222	Kuraray Co., Ltd.
2019279454	Cleangrip AS	2019294141	Microsoft Technology Licensing, LLC
2019279857	Owens Corning Intellectual Capital, LLC	2019294255	COLOP Digital GmbH
2019279858	President and Fellows of Harvard College	2019294533	CTXT Pty Limited
2019279863	SWIMC LLC	2019294647	Japan Cash Machine Co., Ltd.
2019280227	Dow AgroSciences LLC	2019295067	Symrise AG; Probi AB
2019280360	Jiangsu Vcare PharmaTech Co., Ltd.	2019295400	Gainsborough Hardware Industries Limited
2019280397	Casale SA	2019295495	Medicago Inc.
2019280824	Ultivue, Inc.	2019295496	Medicago Inc.
2019280831	Fasteners for Retail, Inc.	2019295497	Medicago Inc.
2019281019	OncoOne Research & Development GmbH	2019295632	Dana-Farber Cancer Institute, Inc.
2019281026	Institut für Verbundwerkstoffe GmbH	2019296117	Janssen Sciences Ireland Unlimited Company
2019281117	Nokian Renkaat Oyj	2019296291	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2019281126	Coatex	2019296986	Hilti Aktiengesellschaft
2019281615	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019297100	Alcon Inc.
2019281859	Microsoft Technology Licensing, LLC	2019297201	Castawall Australia Pty Ltd
2019281969	Merck Sharp & Dohme Corp.	2019298495	Truma Gerätetechnik GmbH & Co. KG
2019281987	The Gillette Company LLC	2019298610	JE International Corporation
2019281993	Hilti Aktiengesellschaft	2019298652	Bracco Suisse SA
2019281994	Hilti Aktiengesellschaft	2019299123	Ricoh Company, Ltd.
2019281998	Hilti Aktiengesellschaft	2019300084	Société des Produits Nestlé S.A.; Socpra Sciences Sante Et Humaines, S.E.C.
2019282089	Hempel A/S	2019300685	Engender Technologies Ltd.
2019282189	Novozymes A/S; Puratos NV/SA	2019301630	24M Technologies, Inc.
2019282246	Chronus Health, Inc.	2019301724	Bendix Commercial Vehicle Systems LLC
2019282253	Praxis Biotech LLC	2019301946	GlaxoSmithKline Intellectual Property Development Limited; Fimbrion Therapeutics, Inc.
2019282264	Amgen Inc.	2019303252	Carl Freudenberg KG
2019282289	Herrenknecht Aktiengesellschaft	2019304850	Tzang, R.; Lane, H.; Excelsior Pharmatech Labs
2019282451	Secretary of State for Health and Social Care	2019304882	Halliburton Energy Services, Inc.
2019282505	Mizkan Holdings Co., Ltd.	2019306071	Halliburton Energy Services, Inc.
2019282526	The Gillette Company LLC	2019308476	Halliburton Energy Services, Inc.
2019282529	Medtronic Navigation, Inc.	2019311143	Koenig & Bauer AG
2019282534	Medtronic Navigation, Inc.	2019312753	Societe des Produits Nestle S.A.
2019282698	Amgen Inc.	2019313443	Roche Innovation Center Copenhagen A/S
2019282727	Metavant Sciences GmbH; Poxel	2019314634	Societe des Produits Nestle S.A.
2019282822	University of Florida Research Foundation, Incorpor- ated	2019314744	BOE Technology Group Co., Ltd.; Chengdu BOE Opto- electronics Technology Co., Ltd.
2019283122	Toko Yakuhin Kogyo Co., Ltd.; National University Cor- poration Ehime University; Centro de Ingenieria Genet- ica y Biotecnologia	2019320402	Truma Gerätetechnik GmbH & Co. KG
2019283296	Hilti Aktiengesellschaft	2019322795	The Methodist Hospital System
2019283299	Hilti Aktiengesellschaft	2019322806	Google LLC
2019283302	Hilti Aktiengesellschaft	2019323768	Trombi, V.
2019283303	Hilti Aktiengesellschaft	2019325272	Truma Gerätetechnik GmbH & Co. KG
2019283304	Hilti Aktiengesellschaft	2019336571	Johnson & Johnson Vision Care, Inc.
2019284180	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019348989	Johnson & Johnson Vision Care, Inc.
2019284351	Wing Aviation LLC	2019350122	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2019284472	Amgen Inc.	2019379575	Sleep Number Corporation
2019284781	NP Medical Inc.	2019380225	Massachusetts Institute of Technology; The Brigham and Women's Hospital, Inc.
2019285062	Fresenius Medical Care Holdings, Inc.	2019381908	Institute of Acoustics, Chinese Academy of Sciences; Beijing Hili Technology Co. Ltd
2019285167	New York Society for the Ruptured and Crippled Main- taining the Hospital for Special Surgery	2019384923	Husqvarna AB
2019285660	China University of Mining and Technology, Beijing	2019385568	Buffalo Filter LLC
2019286174	Shell Internationale Research Maatschappij B.V.	2019386038	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2019287282	Janssen Pharmaceutica NV	2019408142	Inner Mongolia North Hauler Joint Stock Co., Ltd.
2019287679	Fronthera U.S. Pharmaceuticals LLC	2019408144	Inner Mongolia North Hauler Joint Stock Co., Ltd.
2019288739	Genomic Health, Inc.	2019418599	Sleep Number Corporation
2019288754	Genomic Health, Inc.	2019419075	Hitachi Building Technology (Guangzhou) Co., Ltd.
2019289206	Cambridge Enterprise Limited	2019429901	Kraft Foods Group Brands LLC
2019289287	Exopharm Limited	2019441040	Sleep Number Corporation
2019289453	Starsprings AB	2019442048	Sleep Number Corporation
2019289646	Innate Pharma	2019443786	The Chemours Company FC, LLC
2019289849	Clariant International Ltd	2020204363	Samsung Electronics Co., Ltd.
2019290171	TechMah Medical LLC	2020239659	Designa Inc.
2019290813	Jingao Solar Co., Ltd.	2020239670	Apple Inc.
2019291060	LTS Lohmann Therapie-Systeme AG		
2019291454	InPhoTech Spolka Z Ograniczona Odpowiedzialnoscia		

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

**2020239775** Institute of Agro-Products Processing Science and  
Technology, Sichuan Academy of Agricultural Sciences  
**2020245253** Johnson & Johnson Vision Care, Inc.  
**2020260003** Coupang Corp.  
**2020260554** Nantong University  
**2020260562** Nantong University  
**2020266307** Coupang Corp.

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<b><u>A01D 34 /-</u></b>	<b><u>A01K 15 /-</u></b>	2019282189	<b><u>A23L 23 /-</u></b>	<b><u>A44B 11 /-</u></b>	<b><u>A47J 36 /-</u></b>
2019247309	2019267426	<b><u>A21D 13 /-</u></b>	2019251815	2019249314	2018424303
2019248254	<b><u>A01K 27 /-</u></b>	2019251815	<b><u>A23L 27 /-</u></b>	<b><u>A45C 11 /-</u></b>	<b><u>A47J 37 /-</u></b>
2019248255	2019249314	2019252312	2019265921	2018415553	2019265356
2019248256	<b><u>A01K 29 /-</u></b>	2019312753	2019272911	2018422899	<b><u>A47J 42 /-</u></b>
2019248257	2019267426	2019314634	2019282505	2019271771	<b><u>A45D 44 /-</u></b>
2019248258	<b><u>A01K 43 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A23L 29 /-</u></b>	2019262695	2019278232
2019248261	2019276054	2019251815	2019251815	<b><u>A47B 47 /-</u></b>	<b><u>A47J 47 /-</u></b>
2019251512	<b><u>A01K 45 /-</u></b>	2019252312	2019271764	2020239659	2019279454
2019263282	2019276054	2019282189	2019272911	<b><u>A47B 96 /-</u></b>	<b><u>A47L 11 /-</u></b>
2019275350	<b><u>A01K 45 /-</u></b>	<b><u>A21D 8 /-</u></b>	2019282505	2020239659	2019262477
2019275450	<b><u>A01K 5 /-</u></b>	2019282189	<b><u>A23L 3 /-</u></b>	<b><u>A47B 96 /-</u></b>	2019263346
<b><u>A01D 46 /-</u></b>	<b><u>A01K 5 /-</u></b>	<b><u>A23B 7 /-</u></b>	2019248959	2020239659	<b><u>A47L 13 /-</u></b>
2019258837	2019270635	2019258585	2019258585	<b><u>A47C 11 /-</u></b>	2019275852
<b><u>A01G 17 /-</u></b>	<b><u>A01K 67 /-</u></b>	<b><u>A23C 11 /-</u></b>	<b><u>A23L 33 /-</u></b>	2019254862	2019275870
2019245452	2019270635	2019263218	2018420462	<b><u>A47C 21 /-</u></b>	2019275871
<b><u>A01G 23 /-</u></b>	<b><u>A01N 1 /-</u></b>	<b><u>A23C 9 /-</u></b>	2019264096	2018424174	2019303252
2019268578	2019260754	2019300084	2019264788	2019379575	<b><u>A47L 9 /-</u></b>
<b><u>A01G 25 /-</u></b>	<b><u>A01N 25 /-</u></b>	<b><u>A23D 7 /-</u></b>	2019265196	2019441040	2019243374
2019252982	2018415553	<b><u>A23D 9 /-</u></b>	2019268582	2019442048	2019262477
2019267088	2019255405	2019251815	2019271764	<b><u>A47C 27 /-</u></b>	2019263346
<b><u>A01G 31 /-</u></b>	<b><u>A01N 25 /-</u></b>	2019252312	2019272911	2018424174	<b><u>A61B 1 /-</u></b>
2019245452	2019248959	<b><u>A23D 9 /-</u></b>	2019282505	2019289453	2019248022
2019273768	2019260779	2018420462	<b><u>A23P 10 /-</u></b>	2019379575	2019265796
<b><u>A01G 7 /-</u></b>	2019263602	2019251815	201925435	2019418599	2019385568
2019262676	2019265777	2019252312	2019268582	<b><u>A47C 3 /-</u></b>	<b><u>A61B 10 /-</u></b>
2019273768	<b><u>A01N 27 /-</u></b>	2018420462	2019282189	2019254862	2019256349
<b><u>A01G 9 /-</u></b>	2019260779	2019251815	<b><u>A24B 15 /-</u></b>	<b><u>A47C 31 /-</u></b>	2019269677
2019245452	<b><u>A01N 43 /-</u></b>	2019262044	2019276357	2019418599	2019272593
2019262676	2019253198	2019263220	<b><u>A24F 47 /-</u></b>	2019442048	<b><u>A61B 17 /-</u></b>
2019273768	2019263602	2019271764	2019273754	<b><u>A47C 9 /-</u></b>	2019242741
<b><u>A01H 1 /-</u></b>	2019265777	2019271766	<b><u>A41D 1 /-</u></b>	2019254862	2019243944
2019247403	2019280227	2020239775	2019263235	2019251420	2019251997
2019253139	<b><u>A01N 59 /-</u></b>	2019252312	<b><u>A41D 31 /-</u></b>	2019251997	2019252923
2019260754	2019248959	2019268582	2019253198	2019259894	2019262930
2019273683	2019253198	2019312753	<b><u>A42B 1 /-</u></b>	2019263254	2019262930
<b><u>A01H 5 /-</u></b>	<b><u>A01N 63 /-</u></b>	2019314634	2019269664	2019264954	2019263254
2019247403	2019258585	<b><u>A23G 9 /-</u></b>	<b><u>A42B 3 /-</u></b>	2019265782	2019264954
2019250836	2019265627	2019252312	2019253198	2019265786	2019265782
2019253139	<b><u>A01P 1 /-</u></b>	<b><u>A23G 3 /-</u></b>	<b><u>A42B 1 /-</u></b>	2019267531	2019265786
2019260754	2019248959	2019252312	2019269664	2019269713	2019267531
2019273683	2019253198	<b><u>A23J 1 /-</u></b>	<b><u>A42B 3 /-</u></b>	2019271230	2019276907
2019295495	<b><u>A01P 13 /-</u></b>	2019260558	2019269664	2019282529	2019282529
2019295496	2019263602	<b><u>A23L 2 /-</u></b>	2019271373	2019285167	2019285167
2019295497	<b><u>A21D 10 /-</u></b>	2019256816	<b><u>A43B 13 /-</u></b>	2019290171	2019290171
<b><u>A01H 6 /-</u></b>	2019251815	2019259549	2018423796	2019385568	2019385568
2019253139	2019252312	2019272911		<b><u>A61B 18 /-</u></b>	2019262960
2019273683		2019277659			2019265782

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

2019275354	<b><u>A61C 19 /-</u></b>	2019247885		2019253714	2019252878
2019277095		2019248310	<b><u>A61K 33 /-</u></b>	2019254824	2019255708
2019277125	2019262693	2019250339		2019255515	2019263863
	2019262695	2019251096	2019251448	2019258468	2019263866
<b><u>A61B 3 /-</u></b>		2019251151	2019263820	2019260805	2019265560
	<b><u>A61C 7 /-</u></b>	2019251223	2019270428	2019261986	2019265855
2019255157		2019251448		2019265409	2019266326
2019262151	2019262695	2019252204	<b><u>A61K 35 /-</u></b>	2019265855	2019268330
2019291481		2019252432		2019265888	2019277217
2019297100		2019252561	2019250651	2019266203	2019282822
	<b><u>A61C 8 /-</u></b>	2019253700	2019252878	2019266497	
<b><u>A61B 34 /-</u></b>		2019253706	2019253714	2019267050	<b><u>A61K 49 /-</u></b>
	2019265430	2019254640	2019255435	2019270472	
2019242741		2019254974	2019258585	2019270582	2019247554
2019243944	<b><u>A61F 13 /-</u></b>	2019254979	2019261986	2019270624	2019255539
2019265782		2019255233	2019264991	2019270940	2019298652
2019282529	2018426934	2019255717	2019265196	2019271219	
2019282534	2019259986	2019258677	2019265539	2019271304	<b><u>A61K 51 /-</u></b>
2019290171	2019262217	2019259112	2019269593	2019272885	
		2019259230	2019270934	2019274229	2019255692
<b><u>A61B 42 /-</u></b>	<b><u>A61F 2 /-</u></b>	2019259818	2019271288	2019274655	
		2019260159	2019295067	2019275076	<b><u>A61K 8 /-</u></b>
2019253198	2019242741	2019262061	2019300084	2019276486	
2019272593	2019243944	2019262142	2019322795	2019277817	2018425680
	2019251997	2019262144	<b><u>A61K 36 /-</u></b>	2019281019	2019251448
<b><u>A61B 46 /-</u></b>	2019273861	2019262197		2019283122	2019253078
	2019282529	2019263302	2019259230	2019291882	2019259637
2019272593		2019263876	2019273680	2019295495	2019265168
	<b><u>A61F 5 /-</u></b>	2019263953	2019277283	2019295496	2019265169
<b><u>A61B 5 /-</u></b>		2019264073		2019295497	2019268582
	2019262095	2019264134	<b><u>A61K 38 /-</u></b>	2019322795	2019268955
2018422051	2019262939	2019264788			2019269408
2019251467	2019262942	2019264788	2018247561	<b><u>A61K 41 /-</u></b>	2019270965
2019255373	2019262944	2019264826	2019247554		2019270966
2019256304	2019262945	2019265011	2019250651	2019253198	2019270967
2019257287	2019262946	2019265313	2019251091		2019273680
2019257716		2019266171	2019252676	<b><u>A61K 45 /-</u></b>	2019295067
2019258653	<b><u>A61F 9 /-</u></b>	2019266406	2019253456		
2019261945		2019266525	2019253462	2018420438	<b><u>A61K 9 /-</u></b>
2019262100	2019262930	2019267166	2019253462	2019252561	
2019262126		2019267188	2019255744	2019255539	2019224665
2019263401	<b><u>A61G 13 /-</u></b>	2019267959	2019256177	2019259230	2019247797
2019264885		2019268022	2019256520	2019259818	2019251091
2019277219	2019269145	2019268024	2019256529	2019266406	2019252561
2019282529	2019277294	2019268353	2019256539	2019268353	2019252676
2019290171		2019268945	2019260705	2019271129	2019253456
	<b><u>A61G 17 /-</u></b>	2019268955	2019262139	2019291882	2019254640
<b><u>A61B 6 /-</u></b>		2019269047	2019262143		2019255435
	<b><u>A61G 7 /-</u></b>	2019269049	2019263674	<b><u>A61K 47 /-</u></b>	2019258677
2019247406		2019270394	2019264134		2019265707
2019249064	2018424174	2019271067	2019264996	2019247217	2019266171
2019262857		2019271123	2019268330	2019247797	2019270428
2019264874	<b><u>A61H 21 /-</u></b>	2019271279	2019268955	2019251452	2019271067
2019277294		2019271304	2019269601	2019251453	2019272577
	2019251420	2019272577	2019269608	2019252676	2019277283
<b><u>A61B 8 /-</u></b>	<b><u>A61H 23 /-</u></b>	2019272778	2019270184	2019253070	2019283122
		2019274588	2019274431	2019254640	2019287282
2018427104	2019251420	2019276357	2019282822	2019258677	2019291060
2019247406		2019276514	2019291882	2019261647	2019380225
	<b><u>A61J 1 /-</u></b>	2019277154	2019300084	2019262061	
<b><u>A61B 90 /-</u></b>		2019279858	2019322795	2019263674	<b><u>A61L 15 /-</u></b>
	2018415553	2019280360		2019265707	
2019263254	2019253678	2019281969	<b><u>A61K 39 /-</u></b>	2019266406	2019247797
2019265782		2019282253		2019270428	2019258157
2019282529	<b><u>A61K 31 /-</u></b>	2019282727	2018418224	2019271129	2019269608
2019282534		2019284472	2018420613	2019272577	
2019291481		2019287282	2019251452	2019272838	<b><u>A61L 17 /-</u></b>
2019297100	2018420438	2019294533	2019251453	2019283122	
	2018421460	2019295632	2019252112	2019287282	2019258157
<b><u>A61C 17 /-</u></b>	2019241257	2019296117	2019252565		
	2019241374	2019300084	2019252970	<b><u>A61K 48 /-</u></b>	<b><u>A61L 2 /-</u></b>
2019258099	2019247498	2019301946	2019253070		
	2019247797	2019304850	2019253193	2019249162	2019248959
	2019247842				

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

2019270515	2019273833	2019264073	2019256520	<b><u>A61P 5/-</u></b>	<b><u>A63F 13/-</u></b>
<b><u>A61L 26/-</u></b>	2019273834	2019265855	2019256529	2019265409	2018424195
2019247797	2019284781	2019265888	2019256539		2019265357
	2019380225	2019269047	2019258468	<b><u>A61P 7/-</u></b>	
<b><u>A61L 27/-</u></b>	<b><u>A61N 1/-</u></b>	2019269049	2019259112	2019252933	<b><u>A63F 9/-</u></b>
2019258157	2018415217	2019271279	2019260159	2019258468	2018424195
2019263122	2019241040	2019279858	2019261986	2019270184	
2019266457	2019252920	2019304850	2019262612	2019270428	<b><u>A63H 5/-</u></b>
2019269608	2019255373	<b><u>A61P 27/-</u></b>	2019264134	2019274431	
<b><u>A61L 29/-</u></b>	2019255377	2019253714	2019264826		2019267426
2019258157	2019260734	2019259818	2019265011	<b><u>A61P 9/-</u></b>	
2019270909	2019262100	<b><u>A61P 29/-</u></b>	2019266406	2019262612	<b><u>B01D 1/-</u></b>
	2019276864	2018247561	2019266497	2019263953	2019260812
<b><u>A61L 31/-</u></b>	<b><u>A61N 5/-</u></b>	2019254974	2019267959	2019269047	<b><u>B01D 15/-</u></b>
2019253198	2019262857	2019259818	2019268353	2019313443	
2019258157	2019262960	2019259818	2019269372		2019277272
	<b><u>A61P 1/-</u></b>	2019262142	2019270336	<b><u>A61Q 11/-</u></b>	
<b><u>A61M 1/-</u></b>	2019259818	2019262144	2019270394	2018425680	<b><u>B01D 21/-</u></b>
2019272913	2019265196	2019265196	2019270624	2019265168	2019281126
2019274489	2019267188	2019274431	2019271304	2019265169	
2019285062	2019268945	2019276486	2019272838	2019268582	<b><u>B01D 25/-</u></b>
	<b><u>A61P 11/-</u></b>	2019280360	2019272885	2019269408	
<b><u>A61M 11/-</u></b>	2019259818	<b><u>A61P 3/-</u></b>	2019274229	2019270965	2019252265
2019273754	2019267188	2019265409	2019274588	2019270966	2019252703
	2019269049	2019265560	2019274652	2019270967	
<b><u>A61M 15/-</u></b>	<b><u>A61P 13/-</u></b>	2019274431	2019274654		<b><u>B01D 29/-</u></b>
2019273754	2019259818	2019282727	2019274655	<b><u>A61Q 17/-</u></b>	2018432691
	2019267188	<b><u>A61P 31/-</u></b>	2019274656	2019251448	2019251824
<b><u>A61M 25/-</u></b>	2019259818	2019250651	2019275076		2019252703
2019257771	2019262612	2019252933	2019276514	<b><u>A61Q 19/-</u></b>	<b><u>B01D 3/-</u></b>
2019262198	2019266525	2019254640	2019276833	2019251448	2019277283
2019272593	2019267545	2019259818	2019277817	2019268955	
2019284781	<b><u>A61P 15/-</u></b>	2019260805	2019280360	2019273680	<b><u>B01D 46/-</u></b>
	2019259818	2019263953	2019281019	2019295067	
<b><u>A61M 27/-</u></b>	<b><u>A61P 17/-</u></b>	2019264134	2019282264	<b><u>A61Q 5/-</u></b>	2019385568
2019272593	2019251448	2019265313	2019284472	2019253078	<b><u>B01D 53/-</u></b>
	2019259818	2019270582	2019284472	2019259637	
<b><u>A61M 29/-</u></b>	2019259818	2019283122	2019287282		2019249244
2019265786	2019268955	2019295497	2019289646	<b><u>A62B 9/-</u></b>	2019261031
	2019270940	2019296117	2019294533	2019262095	2019266358
<b><u>A61M 31/-</u></b>	2019295067	2019301946	2019322795		2019275849
2019380225	<b><u>A61P 19/-</u></b>	<b><u>A61P 33/-</u></b>	<b><u>A61P 37/-</u></b>	<b><u>A62C 3/-</u></b>	<b><u>B01D 63/-</u></b>
	2019250339	2018420613	2019250651	2019270136	2019293222
<b><u>A61M 39/-</u></b>	2019259818	<b><u>A61P 35/-</u></b>	2019253714	<b><u>A62C 37/-</u></b>	<b><u>B01D 65/-</u></b>
2019245460	2019276486	2018418224	2019256177	2019270136	2019293222
2019252923	<b><u>A61P 21/-</u></b>	2019241257	2019258468		
2019265786	2018421460	2019247498	2019259818	<b><u>A62C 99/-</u></b>	<b><u>B01D 9/-</u></b>
2019271195	2019262139	2019247554	2019260805	2019270136	2019268813
2019284781		2019247885	2019262142	<b><u>A63B 21/-</u></b>	<b><u>B01F 15/-</u></b>
	<b><u>A61P 25/-</u></b>	2019251096	2019262144	2019248012	
<b><u>A61M 5/-</u></b>	2018247561	2019251151	2019263863	2019272416	2019245251
2018421330	2018247561	2019251223	2019265196		<b><u>B01F 3/-</u></b>
2019252923	2018420438	2019252204	2019266406	<b><u>A63B 23/-</u></b>	2019262044
2019262198	2019247842	2019252432	2019268022	2019248012	
2019263401	2019248310	2019252561	2019268024	<b><u>A63B 71/-</u></b>	<b><u>B01J 13/-</u></b>
2019269926	2019253193	2019252970	2019270394	2019262092	2019260812
2019271195	2019259230	2019253198	2019270472		
2019273033	2019262197	2019254979	2019271304		
2019273831	2019262612	2019255717	2019277154		
2019273832		2019255744	2019295497		
		2019256177			
		2019256383			

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<b><u>B01J 15 /-</u></b>	<b><u>B05B 1 /-</u></b>	<b><u>B22D 19 /-</u></b>	2019248254 2019248255 2019248256 2019248257 2019248258 2019248261 2019262477	<b><u>B29L 31 /-</u></b>	<b><u>B41M 5 /-</u></b>
2019275849 2019275850	2019270422 2019274444	2019263606		2019259986	2019253554
<b><u>B01J 19 /-</u></b>	<b><u>B05B 15 /-</u></b>	<b><u>B22F 3 /-</u></b>		<b><u>B32B 13 /-</u></b>	<b><u>B42D 25 /-</u></b>
2019224665 2019268408 2019275351 2019275849 2019275850	2019251776	2019263606		2019258970	2018427101 2019269553
<b><u>B01J 20 /-</u></b>	<b><u>B05D 1 /-</u></b>	<b><u>B22F 5 /-</u></b>	<b><u>B26B 21 /-</u></b>	<b><u>B32B 15 /-</u></b>	<b><u>B44C 3 /-</u></b>
2019270164 2019277272	2019266763	2019263606	2019281987 2019282526	2019271186	2019242685
<b><u>B01J 23 /-</u></b>	<b><u>B05D 7 /-</u></b>	<b><u>B22F 7 /-</u></b>	<b><u>B26B 29 /-</u></b>	<b><u>B32B 25 /-</u></b>	<b><u>B44D 3 /-</u></b>
2019275351	2019266763 2019266764	2019263606	2019279454	2019256523	2019323768
<b><u>B01J 31 /-</u></b>	<b><u>B06B 3 /-</u></b>	<b><u>B23B 5 /-</u></b>	<b><u>B29B 11 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B44F 9 /-</u></b>
2019270164	2019259894	2019249451	2019266763 2019266764	2019249451 2019259986 2019260778	2019242685
<b><u>B01J 35 /-</u></b>	<b><u>B07B 1 /-</u></b>	<b><u>B23K 26 /-</u></b>	<b><u>B29B 7 /-</u></b>	<b><u>B32B 29 /-</u></b>	<b><u>B60B 3 /-</u></b>
2019263099	2019250353	2019247458	2019245251	2019277276	2019281026
<b><u>B01J 8 /-</u></b>	<b><u>B07B 13 /-</u></b>	<b><u>B25B 31 /-</u></b>	<b><u>B29C 33 /-</u></b>	<b><u>B32B 3 /-</u></b>	<b><u>B60B 35 /-</u></b>
2019268813	2019250353	2019296986	2019260778	2019242685 2019265041 2019265526 2019271186	2019408142
<b><u>B01L 3 /-</u></b>	<b><u>B07B 15 /-</u></b>	<b><u>B25B 7 /-</u></b>	<b><u>B29C 35 /-</u></b>	<b><u>B32B 37 /-</u></b>	<b><u>B60B 5 /-</u></b>
2019254706 2019264047 2019270934 2019274469 2019282246 2019300685	2019250353	2018419035	2019260829	2019259986 2019271186	2019281026
<b><u>B01L 9 /-</u></b>	<b><u>B07B 4 /-</u></b>	<b><u>B25C 1 /-</u></b>	<b><u>B29C 45 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B60C 11 /-</u></b>
2019254706	2019249171 2019274444	2019275363 2019281993 2019281994 2019281998 2019283296 2019283299 2019283302 2019283303 2019283304	2019268990 2019270422	2019259986 2019271186	2019281117
<b><u>B02C 2 /-</u></b>	<b><u>B07C 5 /-</u></b>	<b><u>B25C 5 /-</u></b>	<b><u>B29C 48 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B60C 15 /-</u></b>
2019254610	2019268578	2019296986	2019260778	2019259986 2019265889 2019267690	2019274653
<b><u>B02C 4 /-</u></b>	<b><u>B08B 3 /-</u></b>	<b><u>B25C 5 /-</u></b>	<b><u>B29C 49 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B60C 19 /-</u></b>
2019251695	2019249171 2019274444	2019296986	2019266763 2019266764	2019256523 2019277276	2018421149
<b><u>B03B 9 /-</u></b>	<b><u>B08B 7 /-</u></b>	<b><u>B25G 1 /-</u></b>	<b><u>B29C 55 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B60C 9 /-</u></b>
2019250353	2019257784	2018419035	2019259986	2019263122	2019274653
<b><u>B03C 1 /-</u></b>	<b><u>B09B 3 /-</u></b>	<b><u>B25J 11 /-</u></b>	<b><u>B29C 59 /-</u></b>	<b><u>B33Y 70 /-</u></b>	<b><u>B60H 1 /-</u></b>
2019257116	2019265277	2019247309 2019248254 2019248255 2019248256 2019248257 2019248258 2019248261 2019262477	2019259986	2019262095	2019264180
<b><u>B03C 5 /-</u></b>	<b><u>B21B 1 /-</u></b>	<b><u>B25J 19 /-</u></b>	<b><u>B29C 63 /-</u></b>	<b><u>B33Y 80 /-</u></b>	<b><u>B60L 15 /-</u></b>
2019248621	2019266299	2019247309 2019248254 2019248255 2019248257 2019248258 2019262477	2019273872	2019263122	2019264204
<b><u>B03D 1 /-</u></b>	<b><u>B21B 37 /-</u></b>	<b><u>B25J 9 /-</u></b>	<b><u>B29C 67 /-</u></b>	<b><u>B41F 11 /-</u></b>	<b><u>B60L 53 /-</u></b>
2019289849	2019266299	2019247309 2019248254 2019248255 2019248257 2019248258 2019262477	2019260829	2019311143	2019292101
<b><u>B04C 5 /-</u></b>	<b><u>B21F 15 /-</u></b>	<b><u>B29D 11 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B41F 19 /-</u></b>	<b><u>B60L 58 /-</u></b>
2019248218	2019252957	2020245253	2019281026	2019311143	2019292101
	<b><u>B21F 27 /-</u></b>	<b><u>B29L 23 /-</u></b>	<b><u>B29D 11 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B60L 7 /-</u></b>
	2019252957	2019270422	2019259986	2019253554 2019265877 2019267280	2019264204
	<b><u>B22D 11 /-</u></b>			<b><u>B41J 3 /-</u></b>	<b><u>B60L 9 /-</u></b>
	2019266299			2019294255	2019264204
					<b><u>B60P 1 /-</u></b>
					2019263088

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<b>B60P 9 /-</b>	<b>B64C 39 /-</b>	2019262763 2019263319	<b>B66C 6 /-</b>	<b>C01F 5 /-</b>	<b>C07C 211 /-</b>
2019263088	2019272447		2019254734	2019266358 2019276353	2019272778
<b>B62B 7 /-</b>	<b>B64D 1 /-</b>	<b>B65D 75 /-</b>	<b>B66C 7 /-</b>	<b>C01G 23 /-</b>	<b>C07C 225 /-</b>
2019254655	2019272447	2019266309	2019254734	2019263099	2019248310 2019262197
<b>B62B 9 /-</b>	<b>B64D 11 /-</b>	<b>B65D 81 /-</b>	<b>B66C 9 /-</b>	<b>C01G 41 /-</b>	<b>C07C 231 /-</b>
2019254655	2019251824	2019256004 2019259344 2019265526	2019254734	2019265050	2019267188
<b>B62D 5 /-</b>	<b>B64F 1 /-</b>	<b>B65D 83 /-</b>	<b>B66D 3 /-</b>	<b>C02F 1 /-</b>	<b>C07C 233 /-</b>
2019408144	2019272447	2019270964	2019244313	2019248959 2019251824 2019268813 2019281126	2019247842
<b>B62D 7 /-</b>	<b>B65B 25 /-</b>	<b>B65D 85 /-</b>	<b>B66F 3 /-</b>	<b>C02F 103 /-</b>	<b>C07C 235 /-</b>
2019408144	2018423670	2019254642 2019262968 2019266364	2018424174	2019281126	2019263953
<b>B62K 3 /-</b>	<b>B65B 29 /-</b>	<b>B65D 88 /-</b>	<b>B66F 7 /-</b>	<b>C02F 3 /-</b>	<b>C07C 237 /-</b>
2019262698	2018424303	2019266364	2019263088	2018422687 2019274444	2019248310 2019267188
<b>B62K 5 /-</b>	<b>B65B 41 /-</b>	<b>B65G 11 /-</b>	<b>B67B 3 /-</b>	<b>C03C 17 /-</b>	<b>C07C 271 /-</b>
2019262698	2019262968	2019276858	2019276858	2019265050	2019247842
<b>B62K 7 /-</b>	<b>B65B 63 /-</b>	<b>B65G 13 /-</b>	<b>B67D 1 /-</b>	<b>C04B 2 /-</b>	<b>C07C 275 /-</b>
2019262698	2018423670	2019268642	2018238004	2019271388	2019247842
<b>B63B 1 /-</b>	<b>B65B 69 /-</b>	<b>B65G 21 /-</b>	<b>B82Y 30 /-</b>	<b>C04B 20 /-</b>	<b>C07C 29 /-</b>
2019240755 2019262086	2019265277	2019268642	2019277276	2019269635	2019280397
<b>B63B 21 /-</b>	<b>B65B 7 /-</b>	<b>B65G 49 /-</b>	<b>C01B 11 /-</b>	<b>C04B 41 /-</b>	<b>C07C 319 /-</b>
2019244313	2019276858	2019264172	2019248959	2019263606	2019269038
<b>B63B 32 /-</b>	<b>B65D 21 /-</b>	<b>B65G 53 /-</b>	<b>C01B 17 /-</b>	<b>C05D 9 /-</b>	<b>C07C 323 /-</b>
2019240755	2019256004	2019270635	2019271388	2019271388	2019269038
<b>B63B 34 /-</b>	<b>B65D 23 /-</b>	<b>B65G 69 /-</b>	<b>C01B 21 /-</b>	<b>C05F 11 /-</b>	<b>C07C 49 /-</b>
2019262086	2019266763 2019266764	2019265554	2019249244	2019265627	2019279863
<b>B63B 35 /-</b>	<b>B65D 33 /-</b>	<b>B65H 16 /-</b>	<b>C01B 25 /-</b>	<b>C05F 17 /-</b>	<b>C07C 69 /-</b>
2019244313 2019262086	2019265526	2019262968	2019268813	2019258585	2019256523
<b>B63C 9 /-</b>	<b>B65D 47 /-</b>	<b>B65H 23 /-</b>	<b>C01B 3 /-</b>	<b>C05G 3 /-</b>	<b>C07D 207 /-</b>
2019262086	2019267686	2019262968	2019262098 2019263820 2019268408 2019275849 2019275850 2019280397	2018416893 2019265627	2019248567
<b>B63G 8 /-</b>	<b>B65D 5 /-</b>	<b>B66B 5 /-</b>	<b>C01B 32 /-</b>	<b>C07B 59 /-</b>	<b>C07D 209 /-</b>
2019270433	2019266309	2019419075	2019280397	2019248567 2019255692	2019255717 2019267849
<b>B64C 1 /-</b>	<b>B65D 50 /-</b>	<b>B66B 7 /-</b>	<b>C01B 33 /-</b>	<b>C07C 1 /-</b>	<b>C07D 211 /-</b>
2019257649	2019267686	2019419075	2019263820	2019271073	2019266525 2019274588
<b>B64C 11 /-</b>	<b>B65D 51 /-</b>	<b>B66C 1 /-</b>	<b>C01C 1 /-</b>	<b>C07C 13 /-</b>	<b>C07D 213 /-</b>
2019284351	2019267686	2019258608 2019265307 2019272447	2019280397	2019272778	2019247842 2019260159 2019267166
<b>B64C 29 /-</b>	<b>B65D 53 /-</b>	<b>B66C 23 /-</b>			
2019284351	2019265526	2019268668			
	2019262762				

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<b><u>C07D 215 /-</u></b>	2019257632		2019264134	2019262143	2019263319
2019241374	2019259112	<b><u>C07D 495 /-</u></b>	2019267458	2019265018	2019279863
	2019260159		2019267680	2019267680	
<b><u>C07D 217 /-</u></b>	2019266525	2019251223	2019268955	2019270624	<b><u>C08K 7 /-</u></b>
2019247842	2019267166	2019255233	2019270472	2019276252	2019272913
	2019271129	2019270394	2019270582	2019277217	
	2019274588	<b><u>C07D 498 /-</u></b>	2019273683	2019281019	<b><u>C08L 33 /-</u></b>
<b><u>C07D 223 /-</u></b>	2019280227		2019274656	<b><u>C07K 5 /-</u></b>	2019348989
2019265011	2019291882	2019252432	2019276252	2019249121	<b><u>C08L 71 /-</u></b>
	2019296117	2019254979	2019276253	2019263953	2019272913
<b><u>C07D 231 /-</u></b>	<b><u>C07D 403 /-</u></b>	2019276514	2019277217		<b><u>C08L 81 /-</u></b>
2019247885	2019255717	<b><u>C07F 3 /-</u></b>	2019291882	<b><u>C07K 7 /-</u></b>	2019272913
2019255717	2019257632	2019247217	2019295495	2019267050	<b><u>C08L 81 /-</u></b>
2019295632	2019259112		2019295496	2019267680	2019272913
	2019268945	<b><u>C07F 5 /-</u></b>	2019295497		
<b><u>C07D 235 /-</u></b>	2019269372		2019322795	<b><u>C08B 37 /-</u></b>	<b><u>C08L 97 /-</u></b>
2019274588	2019287679	2019255692	<b><u>C07K 16 /-</u></b>	2019265921	2019260778
	2019296117	2019259818	2018418224	2019281969	<b><u>C09B 69 /-</u></b>
<b><u>C07D 239 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07F 9 /-</u></b>	2019251289		2019348989
2019247498	2019252432	2019250339	2019251452	<b><u>C08C 19 /-</u></b>	<b><u>C09C 1 /-</u></b>
2019257632	2019255717	2019270394	2019251453	2019260778	2019276353
2019296117	2019287679	<b><u>C07H 1 /-</u></b>	2019252565		<b><u>C09D 11 /-</u></b>
<b><u>C07D 241 /-</u></b>	<b><u>C07D 407 /-</u></b>		2019252970	<b><u>C08F 2 /-</u></b>	2019253554
2019247842	2019248567	2019254974	2019253070	2019279863	<b><u>C09D 133 /-</u></b>
2019260159	2019251096	2019264788	2019253111	<b><u>C08F 220 /-</u></b>	2019279863
2019279858	<b><u>C07D 409 /-</u></b>	2019313443	2019255515	2019348989	<b><u>C09D 183 /-</u></b>
2019282253	2019260159	<b><u>C07H 17 /-</u></b>	2019255744		2019282089
<b><u>C07D 249 /-</u></b>	2019267959		2019256383	<b><u>C08G 18 /-</u></b>	<b><u>C09D 5 /-</u></b>
2019264073	2019270394	2019254974	2019256520	2019279857	2019282089
<b><u>C07D 261 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C07H 21 /-</u></b>	2019256529	<b><u>C08G 59 /-</u></b>	<b><u>C09D 183 /-</u></b>
2019294533	2019255717		2019256539	2019256523	2019282089
	2019262142	2019256465	2019261411	<b><u>C08G 63 /-</u></b>	<b><u>C09D 5 /-</u></b>
<b><u>C07D 263 /-</u></b>	2019262144	2019275073	2019262139	2019256523	2019282089
2019252933	2019267166	2019276645	2019262143	<b><u>C08G 69 /-</u></b>	<b><u>C09D 7 /-</u></b>
<b><u>C07D 295 /-</u></b>	<b><u>C07D 417 /-</u></b>	2019313443	2019265855	2019261647	2019282089
2019248310	2019260159	<b><u>C07H 3 /-</u></b>	2019265888	<b><u>C08G 79 /-</u></b>	<b><u>C09D 9 /-</u></b>
2019282253	2019291882	2019264788	2019266203	2019253016	2019257784
<b><u>C07D 307 /-</u></b>	2019296117	<b><u>C07K 1 /-</u></b>	2019266203	<b><u>C08H 1 /-</u></b>	<b><u>C09K 101 /-</u></b>
2019274628	<b><u>C07D 471 /-</u></b>	2019250359	2019266406	2019263122	2019265627
	2019247842	2019250362	2019266497	<b><u>C08J 5 /-</u></b>	<b><u>C09K 17 /-</u></b>
<b><u>C07D 309 /-</u></b>	2019255717	<b><u>C07K 14 /-</u></b>	2019267050	2019262762	2019265627
2019301946	2019271279		2019270624	2019262763	<b><u>C09K 21 /-</u></b>
	2019279858	2019254974	2019270940	2019263319	2019253016
<b><u>C07D 313 /-</u></b>	2019280360	2019256177	2019271219	2019272913	<b><u>C09K 5 /-</u></b>
2019251096	2019284472	2019247403	2019272838	<b><u>C08J 9 /-</u></b>	2019443786
2019252432	<b><u>C07D 487 /-</u></b>	2019250359	2019272885	2019256523	<b><u>C09K 8 /-</u></b>
<b><u>C07D 333 /-</u></b>	2019251223	2019250651	2019274229		2018441598
2019270394	2019253198	2019252565	2019274652	<b><u>C08K 5 /-</u></b>	2019275478
	2019264134	2019252878	2019274654		
<b><u>C07D 401 /-</u></b>	2019264826	2019253193	2019274655	<b><u>C08K 5 /-</u></b>	
2019247885	2019271279	2019253462	2019274656		
2019251151	2019276833	2019255515	2019275076	<b><u>C08K 5 /-</u></b>	
2019251223	2019280360	2019255708	2019276486		
2019255717	<b><u>C07D 491 /-</u></b>	2019255744	2019277817	<b><u>C08K 5 /-</u></b>	
	2019252432	2019256177	2019281019		
		2019256520	2019282264	<b><u>C08K 5 /-</u></b>	
		2019256529	2019289646		
		2019256539	2019291882		
		2019258585	2019295495		
		2019261411	2019295496		
		2019262139	2019295497		
		2019262143	<b><u>C07K 17 /-</u></b>		
		2019263674	2019267680		
			2019291882		
			2019252878		
			2019256177		
			2019262139		



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<b>C10G 3 /-</b>	<b>C12M 1 /-</b>	2019256177	2019258585	<b>D03D 41 /-</b>	<b>E02F 9 /-</b>
2019268408	2019253924	2019258468	2019261218	2018418838	2019263606
2019271073	2019254728	2019261411	2019263364		<b>E03B 7 /-</b>
	2019258004	2019263863	2019263869		2019276637
<b>C10G 65 /-</b>	2019270934	2019263866	2019270336	<b>D03D 47 /-</b>	<b>E03C 1 /-</b>
2019268408	<b>C12M 3 /-</b>	2019264991	2019270556	2018418838	2019270422
	2019253924	2019268022	2019273683		2019276637
<b>C10M 105 /-</b>	<b>C12N 1 /-</b>	2019268024	2019274469	<b>D04B 1 /-</b>	<b>E04B 1 /-</b>
2019274628	2019252112	2019269593	2019275073	2018423151	2019258970
	2019253714	2019269601	2019276719	2018424469	2019265041
<b>C10M 107 /-</b>	2019258585	2019270934	2019280824		2019272986
2019270909	2019260558	2019271288	2019282451	<b>D04H 11 /-</b>	<b>E04B 2 /-</b>
	2019265196	2019275076	2019322795	2019249451	2019297201
<b>C10M 171 /-</b>	2019265284	<b>C12N 7 /-</b>	<b>C12R 1 /-</b>	<b>D04H 13 /-</b>	<b>E04C 2 /-</b>
2019443786	2019268022	2019264134	2019252112	2019249451	2019258970
	2019268024	2019277217	2019253714		2019265041
<b>C11B 1 /-</b>	2019270211	2019295495	2019258585	<b>D06F 33 /-</b>	2019272986
2019277283	2019289287	2019295497	2019265196	2018424693	2019297201
	<b>C12N 15 /-</b>	2019295496	2019271766	2019239493	2019258970
<b>C11B 13 /-</b>	2018418224	2019295497	<b>C22C 1 /-</b>	<b>D06F 34 /-</b>	<b>E04D 13 /-</b>
2019263220	2018420613	<b>C12N 9 /-</b>	2019263606	2018424693	2019265889
	2018421460	2019247403	<b>C22C 29 /-</b>		<b>E04F 13 /-</b>
<b>C11B 3 /-</b>	2019247403	2019249162	2019263606	<b>D06F 37 /-</b>	2019265041
2019263220	2019249162	2019256747	<b>C22C 33 /-</b>	2018424296	2019265041
2019271764	2019250836	2019257105	2019263606	2018424693	<b>E04G 11 /-</b>
2019277283	2019252204	2019265018	<b>C23C 10 /-</b>	2019239493	2019297201
2020239775	2019252878	2019265019	2019247424	<b>D06F 39 /-</b>	<b>E04G 17 /-</b>
	2019253139	2019265539	<b>C23C 14 /-</b>	2018424693	2019297201
<b>C11B 7 /-</b>	2019255798	2019265560	2019265050	2019239493	<b>E04G 21 /-</b>
2019277283	2019256065	2019266327	<b>C23C 16 /-</b>	2018424693	2019275480
	2019256177	2019267545	2019271186	2019270066	<b>E04H 1 /-</b>
<b>C11B 9 /-</b>	2019263122	2019269601	<b>C25B 1 /-</b>	<b>D06N 7 /-</b>	2019272986
2019277283	2019264134	2019276252	2019264893	2019249451	<b>E04H 13 /-</b>
	2019265018	2019276253	2019271388	<b>D21H 17 /-</b>	2019253919
<b>C11D 1 /-</b>	2019265019	<b>C12P 19 /-</b>	<b>C23C 16 /-</b>	2019277276	<b>E04H 7 /-</b>
2019277283	2019265284	2019254974	2019271186	<b>D21H 21 /-</b>	2019266364
	2019265560	2019264788	<b>C25B 11 /-</b>	2019277276	<b>E05B 13 /-</b>
<b>C11D 3 /-</b>	2019265855	2019265921	2019264893	2018423670	2019295400
2019257784	2019266327	2019270211	2019271388	<b>E01B 27 /-</b>	<b>E05B 27 /-</b>
2019275487	2019266497	2019270556	<b>C25B 15 /-</b>	2018433553	2019266910
	2019266550	2019275073	2019271388	<b>E01C 13 /-</b>	2019252796
<b>C11D 17 /-</b>	2019268022	2019275073	<b>C25B 9 /-</b>	2019244313	2019271771
2019262762	2019268024	<b>C12P 5 /-</b>	2019264893	<b>E02B 3 /-</b>	<b>E05B 9 /-</b>
2019262763	2019268330	2019256747	2019271388		2019252796
2019263319	2019268955	<b>C12P 7 /-</b>	<b>D03D 1 /-</b>	<b>E02B 3 /-</b>	2019266910
	2019269593	2019256065	2018418838	2019244313	2019271771
<b>C11D 3 /-</b>	2019269601	2019270556	<b>D03D 13 /-</b>		<b>E05B 47 /-</b>
2019249171	2019269635	2019295495	2018418838	<b>E02B 3 /-</b>	2019252796
2019253198	2019270556	2019295496	<b>D03D 15 /-</b>		2019266910
2019257784	2019271304	2019295496	2018418838		2019271771
2019275487	2019273683	<b>C12P 5 /-</b>	<b>D03D 13 /-</b>	<b>E02B 3 /-</b>	<b>E05B 9 /-</b>
	2019275073	2019256747	2018418838		2019252796
<b>C11D 7 /-</b>	2019276486	<b>C12P 7 /-</b>	<b>D03D 13 /-</b>		2019252796
2019257784	2019276645	2019256747	2018418838	<b>E02B 3 /-</b>	<b>E05B 9 /-</b>
	2019277217	<b>C12P 7 /-</b>	<b>D03D 13 /-</b>		2019252796
<b>C12G 3 /-</b>	2019282822	2019271764	2018418838		2019252796
2019278372	2019295495	2019271766	<b>D03D 13 /-</b>		2019252796
	2019295496	<b>C12Q 1 /-</b>	2018418838	<b>E02B 3 /-</b>	<b>E05B 9 /-</b>
	2019295497	2019248224	<b>D03D 15 /-</b>		2019252796
<b>C12H 1 /-</b>	<b>C12N 5 /-</b>	2019253000	2018418838		2019252796
2019256816	2019252878	2019253706			2019252796
	2019253111	2019254706			2019252796
	2019254824				2019252796
	2019255798				2019252796

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<b><u>E05F 15 /-</u></b>	<b><u>E21B 4 /-</u></b>	<b><u>F02M 25 /-</u></b>	<b><u>F16C 7 /-</u></b>	<b><u>F16L 55 /-</u></b>	<b><u>F25D 11 /-</u></b>
2020260554	2019277571	2019262098	2019258608	2019273872	2019255405 2019260233
<b><u>E06B 3 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>F02M 35 /-</u></b>	<b><u>F16F 1 /-</u></b>	<b><u>F16L 58 /-</u></b>	<b><u>F25D 3 /-</u></b>
2019264857	2018441604 2019262121	2019267442 2019267570	2019262090	2019273872	2019255405 2019260234
<b><u>E06B 5 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F02M 69 /-</u></b>	<b><u>F16H 57 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F25D 31 /-</u></b>
2019262555 2019271346	2018436511 2019260345 2019262121	2019267442 2019267570	2019265483	2019259382	2019247424
<b><u>E06B 7 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F03B 13 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>F17C 5 /-</u></b>	<b><u>F25J 1 /-</u></b>
2019262555	2019259296 2019267223	2019255367	2019265554 2019320402	2019259382	2019255212
<b><u>E06C 5 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F03B 17 /-</u></b>	<b><u>F16K 1 /-</u></b>	<b><u>F17D 1 /-</u></b>	<b><u>F26B 3 /-</u></b>
2019275480	2019262121	2019255367	2019270433	2019273872	2019260812
<b><u>E06C 7 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F03B 3 /-</u></b>	<b><u>F16K 11 /-</u></b>	<b><u>F21S 11 /-</u></b>	<b><u>F41H 1 /-</u></b>
2019275480	2018420117	2019255367	2019301724	2019271346	2019271373
<b><u>E21B 15 /-</u></b>	<b><u>E21C 25 /-</u></b>	<b><u>F03D 1 /-</u></b>	<b><u>F16K 15 /-</u></b>	<b><u>F21S 9 /-</u></b>	<b><u>F42B 3 /-</u></b>
2018420117	2019263874	2019269893	2018440173	2019271417	2019271225
<b><u>E21B 17 /-</u></b>	<b><u>E21D 21 /-</u></b>	<b><u>F03D 13 /-</u></b>	<b><u>F16K 17 /-</u></b>	<b><u>F21V 13 /-</u></b>	<b><u>G01B 11 /-</u></b>
2019261880 2019274791 2019274792 2019274793 2019277571 2019286174 2019304882 2019306071 2019308476	2019266356	2018428488 2019258604	2019320402	2019271346	2019250779 2019265069 2019268718 2019277219
<b><u>E21B 19 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F03D 17 /-</u></b>	<b><u>F16K 27 /-</u></b>	<b><u>F22B 33 /-</u></b>	<b><u>G01B 21 /-</u></b>
2019258608	2019282289	2019258604 2019263879	2018440173	2019273872	2019250783
<b><u>E21B 21 /-</u></b>	<b><u>F01K 17 /-</u></b>	<b><u>F03D 3 /-</u></b>	<b><u>F16K 5 /-</u></b>	<b><u>F23D 14 /-</u></b>	<b><u>G01C 15 /-</u></b>
2019277571	2019261031	2019230474	2019276373	2019325272	2019250779 2019265069
<b><u>E21B 23 /-</u></b>	<b><u>F01K 23 /-</u></b>	<b><u>F03D 7 /-</u></b>	<b><u>F16K 99 /-</u></b>	<b><u>F23N 3 /-</u></b>	<b><u>G01C 21 /-</u></b>
2018436511 2019250350	2019261031	2019263879 2019296291	2019265877 2019267280	2019325272	2019275450
<b><u>E21B 29 /-</u></b>	<b><u>F02D 11 /-</u></b>	<b><u>F16B 1 /-</u></b>	<b><u>F16L 15 /-</u></b>	<b><u>F23N 5 /-</u></b>	<b><u>G01F 1 /-</u></b>
2018441604 2019250350	2019267442 2019267570	2019249314	2019274791 2019274792 2019274793	2019325272	2019259296 2019278790
<b><u>E21B 33 /-</u></b>	<b><u>F02D 19 /-</u></b>	<b><u>F16B 21 /-</u></b>	<b><u>F16L 19 /-</u></b>	<b><u>F24D 19 /-</u></b>	<b><u>G01F 11 /-</u></b>
2019250350 2019277571 2019286174	2019262098	2019249314	2019268990	2019298495	2018238004 2019282698
<b><u>E21B 34 /-</u></b>	<b><u>F02D 9 /-</u></b>	<b><u>F16B 31 /-</u></b>	<b><u>F16L 21 /-</u></b>	<b><u>F24D 3 /-</u></b>	<b><u>G01F 13 /-</u></b>
2018440173 2019250350 2019261880 2019304882 2019306071 2019308476	2019267442 2019267570	2019266356	2019268990	2019298495	2019282698
	<b><u>F02M 21 /-</u></b>	<b><u>F16B 7 /-</u></b>	<b><u>F16L 21 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>G01F 15 /-</u></b>
	2019262098	2019249314 2019258608	2019268990	2019264287	2018238004
		<b><u>F16C 1 /-</u></b>	<b><u>F16L 3 /-</u></b>	<b><u>F24S 25 /-</u></b>	<b><u>G01F 22 /-</u></b>
		2019384923	2019266364	2020260562	2019282698
		<b><u>F16C 11 /-</u></b>	<b><u>F16L 37 /-</u></b>	<b><u>F25B 39 /-</u></b>	<b><u>G01F 3 /-</u></b>
		2019262090	2019268990	2019247424	2018238004
			<b><u>F16L 5 /-</u></b>	<b><u>F25D 1 /-</u></b>	
			2019272803	2019247424	

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<b><u>G01M 13 /-</u></b>	2019256349 2019263395 2019264047	<b><u>G02B 27 /-</u></b>	2019269566	<b><u>G06N 20 /-</u></b>	2019250782 2019256304
2019258604	2019264047 2019264996	2019209204	<b><u>G06F 16 /-</u></b>	2019259581 2019264923 2019270244	<b><u>G07D 11 /-</u></b>
<b><u>G01M 17 /-</u></b>	2019265560 2019267088	<b><u>G02B 3 /-</u></b>	2018422609 2019263048 2019263758		2019294647
2018421149	2019267569 2019270909	2019244446	2019268578 2019271199 2019298610	<b><u>G06N 3 /-</u></b>	<b><u>G07F 17 /-</u></b>
<b><u>G01M 3 /-</u></b>	2019276054 2019276486	<b><u>G02B 5 /-</u></b>		2019258653	2018424195 2019264995
2019267223	2019282246 2019288754	2019265041 2019269553 2019271346	<b><u>G06F 17 /-</u></b>	<b><u>G06N 7 /-</u></b>	
<b><u>G01M 5 /-</u></b>			2019253000 2019266284 2019269566	2019260635 2019260636	<b><u>G07F 7 /-</u></b>
2019268523	<b><u>G01N 35 /-</u></b>	<b><u>G02B 6 /-</u></b>		<b><u>G06Q 10 /-</u></b>	2019274926
<b><u>G01N 1 /-</u></b>	2019247544 2019254706 2019264047 2019288739	2019265796	<b><u>G06F 21 /-</u></b>	2018426445 2019265858 2019272447 2020260003 2020266307	<b><u>G08B 21 /-</u></b>
2019254706 2019255069 2019256349 2019272803 2019288739 2019288754 2019289287 2019429901	<b><u>G01P 13 /-</u></b>	<b><u>G02C 13 /-</u></b>	2019258583 2019265858		2019261887
	2019263879	2019262151	<b><u>G06F 3 /-</u></b>		<b><u>G08G 1 /-</u></b>
	<b><u>G01P 21 /-</u></b>	<b><u>G02C 7 /-</u></b>	2019243692 2019251343 2019262986 2019265357 2019265433 2019266054 2019267413 2019299123 2020239670	<b><u>G06Q 20 /-</u></b>	2019274230
	2019386038	2019262151 2019336571 2020245253		2019245424 2019258583 2019262986 2019273039	<b><u>G09B 19 /-</u></b>
<b><u>G01N 11 /-</u></b>	<b><u>G01P 5 /-</u></b>	<b><u>G02F 1 /-</u></b>			2019263901
2019245251	2019263879	2019314744		<b><u>G06Q 30 /-</u></b>	<b><u>G09B 5 /-</u></b>
<b><u>G01N 15 /-</u></b>	<b><u>G01R 22 /-</u></b>	<b><u>G03B 13 /-</u></b>		2019247335 2019256956 2019258583 2019262986 2019267982 2019267983 2020266307	2019281859
2019254706 2019259581 2019300685	2019266190	2019248022	<b><u>G06F 30 /-</u></b>		<b><u>G09F 3 /-</u></b>
	<b><u>G01S 17 /-</u></b>	<b><u>G03B 15 /-</u></b>	2019262121		<b><u>G10K 11 /-</u></b>
<b><u>G01N 21 /-</u></b>	2019250779	2019248022	<b><u>G06F 40 /-</u></b>		2019271499
2019250779 2019250783 2019253111 2019254706 2019267088 2019268578 2019268718 2019291454 2019300685	<b><u>G01S 19 /-</u></b>	<b><u>G05B 19 /-</u></b>	2019260600 2019263758 2019265874		<b><u>G11B 20 /-</u></b>
	2019278052	2019264180		2019245423 2019245424	2019265433
	<b><u>G01S 5 /-</u></b>	<b><u>G05B 23 /-</u></b>	<b><u>G06F 8 /-</u></b>		<b><u>G11B 27 /-</u></b>
	2019262092	2019244842 2019247198	2019251158 2019268349	<b><u>G06Q 50 /-</u></b>	2019266049
<b><u>G01N 23 /-</u></b>	<b><u>G01T 1 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06F 9 /-</u></b>	2019263758 2019264995 2019268578 2019272880	<b><u>G16B 20 /-</u></b>
2019249468 2019250782	2019264874	2019275450			2019248875
	<b><u>G01V 1 /-</u></b>	<b><u>G05D 16 /-</u></b>	2019251158 2019256257 2019263471 2020266307	<b><u>G06T 11 /-</u></b>	<b><u>G16B 25 /-</u></b>
<b><u>G01N 27 /-</u></b>	2019262121	2019320402		2019265357	2019248875
2019267088 2019282246	<b><u>G02B 1 /-</u></b>	<b><u>G06F 1 /-</u></b>	<b><u>G06K 19 /-</u></b>		<b><u>G16H 10 /-</u></b>
	2019348989	2019267413	2019262226 2019262477 2019274926	2019265357	2019251343
<b><u>G01N 3 /-</u></b>	<b><u>G02B 21 /-</u></b>	<b><u>G06F 11 /-</u></b>		<b><u>G06T 13 /-</u></b>	<b><u>G16H 20 /-</u></b>
2019285660	2019209204	2019244842 2019263048 2019265433 2019268349 2019294141	<b><u>G06K 9 /-</u></b>	2019249064	2019257635 2019263490 2019264737 2019268519 2019269557 2019269926
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<b><u>G01N 33 /-</u></b>	<b><u>G02B 26 /-</u></b>	2019294141		<b><u>G06T 5 /-</u></b>	2019247419 2019257635 2019262215 2019262693
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		2019263471		<b><u>G06T 7 /-</u></b>	
				2019249064	

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2019264737	<b><u>H01Q 9 /-</u></b>	2020260562	2019274926	<b><u>H04W 52 /-</u></b>
2019268519				2018417235
2019269925	2018421974	<b><u>H02S 30 /-</u></b>	<b><u>H04M 1 /-</u></b>	2018417860
<b><u>G16H 50 /-</u></b>	<b><u>H01R 13 /-</u></b>	2019253113	2019265357	2018418717
2019248875	2019248403	<b><u>H02S 40 /-</u></b>	2019266049	2018422635
2019249064			2019284180	2019267724
2019251343	<b><u>H01R 24 /-</u></b>	2019253113	<b><u>H04M 11 /-</u></b>	2019284180
2019257716	2019248403	2019270244		<b><u>H04W 68 /-</u></b>
2019264885			2019256700	2018415302
<b><u>G21F 3 /-</u></b>	<b><u>H02G 11 /-</u></b>	<b><u>H03F 3 /-</u></b>	<b><u>H04M 3 /-</u></b>	
2019262857	2019254266	2019271499	2019256700	<b><u>H04W 72 /-</u></b>
<b><u>H01B 7 /-</u></b>	<b><u>H02H 9 /-</u></b>	<b><u>H03G 1 /-</u></b>		2018417379
2018424294	2019261887	2019271499	<b><u>H04N 1 /-</u></b>	2018417481
2018424297			2019266049	2018417849
<b><u>H01C 7 /-</u></b>	<b><u>H02J 50 /-</u></b>	<b><u>H03G 3 /-</u></b>	<b><u>H04N 19 /-</u></b>	2018419068
2019261887	2019441040	2019271499		2018421847
			2019276189	2018422906
<b><u>H01H 83 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04B 10 /-</u></b>	<b><u>H04N 21 /-</u></b>	2019246989
2018423700	2019292101	2019244446		2019248164
<b><u>H01J 35 /-</u></b>	<b><u>H02J 9 /-</u></b>	<b><u>H04B 17 /-</u></b>	<b><u>H04N 5 /-</u></b>	2019248665
2018425050			2019247335	2019254220
<b><u>H01J 49 /-</u></b>	<b><u>H02K 1 /-</u></b>	<b><u>H04B 7 /-</u></b>	<b><u>H04N 7 /-</u></b>	2019266797
2019262179	2019258602	2019247198		<b><u>H04W 74 /-</u></b>
<b><u>H01L 31 /-</u></b>	<b><u>H02K 21 /-</u></b>	<b><u>H04L 1 /-</u></b>	2019266049	2019248657
2019270244	2019258602	2019276731	<b><u>H04N 7 /-</u></b>	2019266797
2019290813			2019277966	<b><u>H04W 76 /-</u></b>
<b><u>H01L 41 /-</u></b>	<b><u>H02K 3 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04R 1 /-</u></b>	2019263145
2019267280	2019260018	2019248164		2019267366
2019278835		2019254220	<b><u>H04W 12 /-</u></b>	<b><u>H04W 8 /-</u></b>
<b><u>H01L 51 /-</u></b>	<b><u>H02K 7 /-</u></b>	2019267366		2018417860
2019289206	2019258602	2019277010	<b><u>H04W 24 /-</u></b>	2019268020
<b><u>H01M 10 /-</u></b>	<b><u>H02K 9 /-</u></b>	<b><u>H04L 27 /-</u></b>	2019274926	2019281615
2019301630	2019350122	2018422906	<b><u>H04W 28 /-</u></b>	<b><u>H04W 84 /-</u></b>
<b><u>H01M 4 /-</u></b>	<b><u>H02M 3 /-</u></b>	<b><u>H04L 29 /-</u></b>	2019248164	2019267366
2019301630	2019270244	2019247419	<b><u>H04W 36 /-</u></b>	<b><u>H04W 88 /-</u></b>
<b><u>H01M 8 /-</u></b>	<b><u>H02M 5 /-</u></b>	2019262986		2019263145
2018426555	2019254728	2019263471	<b><u>H04W 4 /-</u></b>	2019268020
2019271388		2019265433		2018425050
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2018421974	2019278835	2019274926		
2019269823		2019322806	<b><u>H04W 48 /-</u></b>	
2020204363	<b><u>H02P 25 /-</u></b>	2019381908		
<b><u>H01Q 21 /-</u></b>	2019292018	<b><u>H04L 5 /-</u></b>	2019247419	
2018421974		2018417379	2019262986	
	<b><u>H02S 20 /-</u></b>	2019248665	2019322806	
	2019265069	2019273246		
	2019270244	<b><u>H04L 9 /-</u></b>	2018418065	
		2019255307		
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**C08G 63/47** ( 2006.01 )  
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**B03C 3/41** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
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**A61P 9/10** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**H04N 19/13** ( 2014.01 )  
**H03M 7/42** ( 2006.01 )  
**H04N 19/167** ( 2014.01 )  
**H04N 19/174** ( 2014.01 )  
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**(51)** Int. Cl.  
**B42D 25/29** ( 2014.01 )  
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**(51)** Int. Cl.  
**H03K 19/195** ( 2006.01 )  
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**A47J 27/21** ( 2006.01 )

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(44) 26.11.2020

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(51) Int. Cl.

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*F16K 15/03* ( 2006.01 )  
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 (72) HONG, Woo; KIM, Siyong; KIM, Hanshin; SONG, Hyunsup; CHO, Kyeongho; HAN, Jaehun; HA, Jiwoo  
 (74) Griffith Hack

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 (54) Lawn mower robot  
 (51) Int. Cl.  
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**A61M 16/20** ( 2006.01 )  
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**(71)** McElroy Manufacturing Inc.  
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**A61L 27/00** ( 2006.01 )  
**A61M 5/28** ( 2006.01 )  
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*H04R 3/12* ( 2006.01 )  
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*H04L 29/06* ( 2006.01 )  
*G06F 16/00* ( 2019.01 )  
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*H04W 4/08* ( 2009.01 )  
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*C07D 405/12* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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*F16L 15/04* ( 2006.01 )  
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**(51)** Int. Cl.  
*G09C 1/00* ( 2006.01 )  
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**(74)** Griffith Hack

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*G09C 1/00* ( 2006.01 )  
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*C12N 7/02* ( 2006.01 )  
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*C12N 15/113* ( 2010.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**Novici Biotech LLC see iBio, Inc.**

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**(54)** Antifungal compound process  
**(51)** Int. Cl.  
*C07D 239/00* ( 2006.01 )  
*A01P 1/00* ( 2006.01 )  
*A01P 3/00* ( 2006.01 )  
*A61K 31/00* ( 2006.01 )  
*A61K 45/00* ( 2006.01 )  
*C07D 257/00* ( 2006.01 )  
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signal processing method, and audio  
signal processing program  
(51) Int. Cl.  
G10L 19/005 ( 2013.01 )  
G10L 19/00 ( 2006.01 )  
H04L 1/00 ( 2006.01 )  
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**A01K 23/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G08G 1/095** ( 2006.01 )  
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**(51)** Int. Cl.  
**B26D 1/36** ( 2006.01 )  
**A23N 15/00** ( 2006.01 )  
**B26D 1/00** ( 2006.01 )  
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**B26D 5/06** ( 2006.01 )  
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**G01N 1/30** ( 2006.01 )  
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**(54)** Satellite for End-to-End Beamforming  
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*F41C 23/14* ( 2006.01 )  
*F41C 23/22* ( 2006.01 )  
*F41C 27/00* ( 2006.01 )  
*F41G 11/00* ( 2006.01 )  
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(71) Zodiac Pool Care Europe  
 (11) AU-B-2016337176  
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 (74) FB Rice Pty Ltd

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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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<b>2014253559</b>	K. J. ROSS SECURITY LOCKS PTY. LTD.	<b>2016213091</b>	Sekisui Chemical Co., Ltd.
<b>2014308980</b>	Singular Bio, Inc.	<b>2016215086</b>	Mencos, R.
<b>2014333513</b>	Fundacio Institut de Recerca Biomedica (IRB Barcelona); Institutio Catalana de Recerca i Estudis Avancats	<b>2016215586</b>	Siemens Healthcare Diagnostics Inc.
<b>2014333884</b>	Novartis AG	<b>2016216986</b>	Ishida Co., Ltd.
<b>2014348289</b>	Trustees of the University of Pennsylvania; Daniell, H.; Herzog, R.; University of Florida Research Foundation, Inc.	<b>2016219379</b>	Ohio State Innovation Foundation
<b>2014369774</b>	Boehringer Ingelheim Vetmedica GmbH	<b>2016222274</b>	CTM@CRC Ltd.
<b>2014372562</b>	PsiOxus Therapeutics Limited	<b>2016222865</b>	Tennibot Inc
<b>2014390262</b>	PCI Biotech AS	<b>2016226303</b>	Huntsman Petrochemical LLC
<b>2015201505</b>	RES, G.	<b>2016228189</b>	Covidien LP
<b>2015203739</b>	SolarWinds Worldwide, LLC	<b>2016231061</b>	Collectis
<b>2015234334</b>	CAVLOVIC, A.	<b>2016232452</b>	Eternit GmbH
<b>2015237184</b>	Xencor, Inc.	<b>2016236189</b>	Teknologisk Institut
<b>2015240433</b>	Hudson Institute of Medical Research	<b>2016236441</b>	Steiner AG Weggis
<b>2015241380</b>	Icahn School of Medicine at Mount Sinai; Genisphere, LLC	<b>2016236738</b>	JK Worldwide Enterprises Inc.
<b>2015248990</b>	PGS Geophysical AS	<b>2016239664</b>	Technische Universitaet Muenchen
<b>2015250132</b>	Questa Corporation	<b>2016243746</b>	PayPal, Inc.
<b>2015253814</b>	Chevron U.S.A. Inc.	<b>2016244293</b>	Depuy Ireland Unlimited Company
<b>2015256478</b>	Medline Industries, Inc.	<b>2016244755</b>	DuPont Nutrition Biosciences ApS
<b>2015259411</b>	Hubbell Incorporated	<b>2016244961</b>	Steele, M.
<b>2015264781</b>	ALSTOM Transport Technologies	<b>2016245320</b>	Pelvipro Limited
<b>2015271709</b>	Bristol-Myers Squibb Company	<b>2016246067</b>	Centinel Spine, LLC
<b>2015274367</b>	Beth Israel Deaconess Medical Center, Inc.; Children's Medical Center Corporation	<b>2016246745</b>	MAKO Surgical Corp.
<b>2015288956</b>	Crane Payment Innovations Limited	<b>2016247598</b>	Allnex Netherlands B.V.
<b>2015290285</b>	Soter Limited	<b>2016253670</b>	Adobe Inc.
<b>2015302930</b>	Genexine, Inc.	<b>2016255237</b>	Sato Holdings Kabushiki Kaisha
<b>2015303038</b>	Advanced Engineering Solutions Ltd	<b>2016256204</b>	Smith & Nephew plc
<b>2015311691</b>	Mobophiles, Inc., dba Mobilize	<b>2016256894</b>	Massachusetts Eye and Ear Infirmary
<b>2015314311</b>	Ceva Sante Animale	<b>2016256954</b>	Giesecke+Devrient Currency Technology GmbH
<b>2015326540</b>	BD Kiestra B.V.	<b>2016257903</b>	Wilcox Industries Corp.
<b>2015331338</b>	Sekisui Chemical Co., Ltd.	<b>2016261108</b>	Haemostatix Limited
<b>2015332935</b>	Société des Produits Nestlé S.A.	<b>2016265048</b>	Deakin University
<b>2015333832</b>	TAE Technologies, Inc.	<b>2016268512</b>	LANDA LABS (2012) LTD
<b>2015335017</b>	PGS Geophysical AS	<b>2016268517</b>	ACTEGA Metal Print GmbH
<b>2015336925</b>	Q-Sera Pty Ltd	<b>2016269841</b>	Latey, P.
<b>2015341098</b>	L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude	<b>2016270428</b>	iBio, Inc.; Novici Biotech LLC; MUSC Foundation for Research Development
<b>2015341479</b>	Innopharmax, Inc.	<b>2016270949</b>	Emerson Vulcan Holding LLC
<b>2015341881</b>	Thales	<b>2016271130</b>	Qualcomm Incorporated
<b>2015348333</b>	Danmarks Tekniske Universitet	<b>2016271374</b>	FMC Corporation
<b>2015350148</b>	Biohaven Pharmaceutical Holding Company Ltd.	<b>2016273045</b>	OPKO Biologics Ltd.
<b>2015353715</b>	Abrado, Inc.	<b>2016276022</b>	Bridge Pharma, Inc.
<b>2015360845</b>	Bluebird Bio, Inc.	<b>2016277798</b>	Gecko Biomedical
<b>2015361575</b>	Motejo. Ltd	<b>2016278082</b>	GasSecure AS
<b>2015362091</b>	Saluda Medical Pty Ltd	<b>2016278165</b>	Weatherford U.K. Limited
<b>2015364335</b>	Principia Biopharma Inc.	<b>2016279891</b>	Humatics Corporation
<b>2015369316</b>	Sysmex Corporation	<b>2016279908</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2015373364</b>	Technip France	<b>2016283082</b>	ST IP Holding AG
<b>2015375277</b>	Moradi Consulting GmbH	<b>2016285430</b>	Dow Global Technologies LLC; Rohm and Haas Company
<b>2015378597</b>	Raytheon Company	<b>2016285546</b>	Ecolab USA Inc.
<b>2015390034</b>	Kimberly-Clark Worldwide, Inc.	<b>2016285715</b>	Laitram, L.L.C.
<b>2015390078</b>	Kimberly-Clark Worldwide, Inc.	<b>2016286227</b>	Encounter Solutions Limited
<b>2015402211</b>	Halliburton Energy Services, Inc.	<b>2016287487</b>	Herman Miller, Inc.
<b>2015402709</b>	Optimed Medizinische Instrumente GmbH	<b>2016287606</b>	Arthrex, Inc.
<b>2016201264</b>	Sumitomo Forestry Co., Ltd.	<b>2016288620</b>	Gort-Barten, L.; Gort-Barten, A.
<b>2016202377</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2016288642</b>	The Medical College of Wisconsin, Inc.; Johann Wolfgang Goethe-Universität Frankfurt
<b>2016203000</b>	Vale S.A.	<b>2016288697</b>	Mars, Incorporated; The Ohio State Innovation Foundation
<b>2016204052</b>	Exel Industries	<b>2016288699</b>	Eiger Group International, Inc.
<b>2016204461</b>	Fred Bergman Healthcare Pty Ltd	<b>2016289753</b>	UCB Biopharma SRL
<b>2016205290</b>	Treace Medical Concepts, Inc.	<b>2016289856</b>	H. Lundbeck A/S
<b>2016206230</b>	Urban Software Institute GmbH	<b>2016291103</b>	Komatsu Forest AB
<b>2016212243</b>	InterDigital VC Holdings, Inc.	<b>2016294485</b>	Engie
		<b>2016295544</b>	Magaldi Power S.p.A.
		<b>2016296318</b>	ViCentra B.V.
		<b>2016297731</b>	Stem Arts Projects, LLC

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2016302116	Unicharm Corporation	2017360407	CHEMAS Co., Ltd.
2016302398	Ecological Horizons Pty Ltd	2017362647	CEJN AB
2016306316	Sharp Kabushiki Kaisha	2017378188	F. Hoffmann-La Roche AG
2016312404	Dolby Laboratories Licensing Corporation; Dolby International AB	2017385896	LG Electronics Inc.
2016313773	Baxter International Inc.	2017387185	Huawei Technologies Co., Ltd.
2016315862	The Regents of the University of Michigan	2017392578	Fuji Corporation
2016322711	Alcon Inc.	2017398148	Hefei Hualing Co., Ltd.; Hefei Midea Refrigerator Co., Ltd.; Midea Group Co., Ltd.
2016323782	NQP 1598, LTD.	2017398862	VANEMA d.o.o.
2016335177	Immatics Biotechnologies GmbH	2017406690	Fuji Corporation
2016337176	Zodiac Pool Care Europe	2017409263	Mitsubishi Heavy Industries, Ltd.
2016338236	LungFlex AB	2017411198	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2016344123	Convatec Technologies Inc.	2017413868	Mitsubishi Electric Corporation
2016345783	Midori Anzen Co., Ltd.	2017414388	ZTE Corporation
2016349415	Ingell Technologies Holding B.V.	2017422723	Fujitsu Limited
2016349521	Medtronic, Inc.	2017423525	LG Electronics Inc.
2016352848	Tahmouresinia, F.	2017425028	Wright Medical Technology, Inc.
2016354549	Johnson & Johnson Surgical Vision, Inc.	2017428896	Siemens Aktiengesellschaft
2016357206	Honeywell International Inc.	2017441153	Park, S.
2016359486	Portal Instruments, Inc.	2018202014	Phio Pharmaceuticals Corp.
2016365720	ARC BIO, LLC	2018202326	Acceleron Pharma, Inc.
2016367297	Gries, G.	2018202963	Council of Scientific and Industrial Research (C.S.I.R.)
2016370743	Boehringer Ingelheim International GmbH	2018204793	Abaxis, Inc.
2016378275	Sika Technology AG	2018206762	The General Hospital Corporation
2016378278	Sika Technology AG	2018209989	Flagship Brands, LLC
2016378935	TFM Inventions Limited	2018214065	Rattlejack Innovations Pty Ltd
2016381072	Merck Sharp & Dohme Corp.	2018218543	Neodrill A.S.
2016381313	Novartis AG; Intellia Therapeutics, Inc.	2018219219	SRGI Holdings, LLC
2016382784	CiDRA Corporate Services LLC	2018220880	Aboca S.p.A Società Agricola
2016390529	Panasonic Intellectual Property Corporation of America	2018227384	Eli Lilly and Company
2016424054	Huawei Technologies Co., Ltd.	2018229529	Smith & Nephew plc
2016426847	Hinova Pharmaceuticals Inc.	2018230805	Lakewood Amedex, Inc.
2017204942	Gavish-Galilee Bio Applications, Ltd	2018231042	Bray Jr., R.
2017216895	Qualcomm Incorporated	2018232904	Nonlinear Ion Dynamics, LLC.
2017228213	Technium AS	2018232915	Uber Technologies, Inc.
2017228805	Indorama Ventures Oxides LLC	2018236699	Ionis Pharmaceuticals, Inc.
2017230349	Advanced New Technologies Co., Ltd.	2018238165	Peptron, Inc.
2017230437	Ancureall Pharmaceutical (Shanghai) Co., Ltd.	2018238523	Hegenscheidt-MFD GmbH
2017233887	Janssen Pharmaceutica NV	2018239346	Penumbra, Inc.
2017244829	Toray Industries, Inc.	2018241197	Minesense Technologies Ltd.
2017245592	IMI Hydronic Engineering International SA	2018245788	Daikin Industries, Ltd.
2017247108	Soreq Nuclear Research Center; Security Matters Ltd.	2018247295	Taiga Biotechnologies, Inc.
2017249085	Hulu, LLC	2018247298	McElroy Manufacturing Inc.
2017249668	Dentsply DeTrey GmbH	2018247311	FISHER & PAYKEL HEALTHCARE LIMITED
2017255561	Informatica LLC	2018256508	BioNTech RNA Pharmaceuticals GmbH; TRON - Translazionale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH
2017257380	Applied Chemicals Handels-GmbH	2018260912	Dana-Farber Cancer Institute, Inc.
2017271458	Nerviano Medical Sciences S.R.L.	2018261506	Eli Lilly and Company
2017279865	King's College London	2018264151	Synedgen, Inc.
2017281003	Shifa Biomedical Corporation	2018267609	Aptevo Research and Development LLC
2017287827	Borisov, S.	2018270228	Unitec S.p.A.
2017293178	Sumitomo Chemical Company, Limited	2018271253	Keter Plastic Ltd.; Milwaukee Electric Tool Corporation
2017295887	Kratos Integral Holdings, Llc	2018271425	Kyushu University, National University Corporation;
2017298256	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	2018271737	Hiroshima University
2017307033	Boehringer Ingelheim International GmbH	2018272085	LG Electronics Inc.
2017310867	Imagine Global Care Corporation	2018273320	Etubics Corporation
2017317024	Qualcomm Incorporated	2018274861	Nippon Steel Corporation; Vallourec Oil and Gas France
2017323112	Shanghai Haihe Pharmaceutical Co., Ltd.; Shanghai Institute of Materia Medica, Chinese Academy of Sciences	2018274885	NTT DOCOMO, INC.
2017325796	Qualcomm Incorporated	2018277650	Blakeman, J.
2017327416	Inventio AG	2018278288	Motorola Solutions, Inc.
2017327999	Johnson Matthey Davy Technologies Limited	2018278948	Genano Oy
2017330673	Hitachi Construction Machinery Co., Ltd.	2018281250	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2017333190	Advanced New Technologies Co., Ltd.	2018282310	LG Electronics Inc.
2017341676	South East Water Corporation	2018284450	Janssen Biotech, Inc.
2017351900	Eyegene Inc.	2018285446	GC Corporation
2017352106	Triad National Security, LLC; Chevron U.S.A. Inc.	2018285617	Premix Oy
2017352361	Advanced New Technologies Co., Ltd.		Honeywell International Inc.
2017352948	ZTE Corporation		
2017353625	Kraft Foods Schweiz Holding GmbH		
2017355535	Salesforce.com, Inc.		
2017357916	SignPath Pharma, Inc.		

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2018285868	Cardiac Pacemakers, Inc.	2019204265	Innovative Orthopedic Technologies, IOT, AG
2018285940	Advantek Waste Management Services, LLC	2019204310	Dana-Farber Cancer Institute, Inc.; Burnham Institute for Medical Research
2018286390	Samsung Electronics Co., Ltd.	2019204410	Fisher & Paykel Healthcare Limited
2018290343	Teleflex Medical Incorporated	2019204725	Advanced New Technologies Co., Ltd.
2018296739	RSM Imagineering AS	2019204880	3M Innovative Properties Company
2018296992	LG Electronics Inc.	2019208143	Ventana Medical Systems, Inc.
2018297600	Dallmeier Electronic GmbH & Co. KG	2019210638	Boehringer Ingelheim Animal Health USA Inc.
2018299524	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019213435	The University of Tokyo; Komatsu Ltd.
2018300673	Memjet Technology Limited	2019213449	Worthington Armstrong Venture
2018302343	Trianni, Inc.	2019216684	The University of Tokyo
2018309956	Kabushiki Kaisha Kuu	2019217002	Toray Industries, Inc.
2018310280	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019219753	Simon, S.
2018325613	Komatsu Ltd.	2019219825	ConMed Corporation
2018325845	Innovent Biologics (Suzhou) Co., Ltd.	2019223951	Boston Scientific Scimed, Inc.
2018328776	Futurecom Systems Group, ULC	2019226136	Amicus Therapeutics Inc.
2018329478	Motorola Solutions, Inc.	2019236625	Ab Initio Technology LLC
2018331263	Motorola Solutions, Inc.	2019240583	Okta, Inc.
2018336413	Nippon Telegraph and Telephone Corporation	2019240618	LIM, B.S.H.; YAP, K.T.
2018338249	Nippon Telegraph and Telephone Corporation	2019246661	Council of Scientific and Industrial Research
2018339943	Guangdong OPPO Mobile Telecommunications Corp., Ltd.	2019246804	HONEYLAB LIMITED
2018342250	Nuctech Company Limited; Tsinghua University	2019248218	Bridson, R.
2018360785	T-Mobile USA, Inc.	2019250120	The Regents of the University of California
2018361364	AiCuris GmbH & Co. KG	2019250142	Bigleaf Networks, Inc.
2018369242	Huawei Technologies Co., Ltd.	2019261768	ServiceNow, Inc.
2018372440	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019275554	Stryker Corporation
2018373427	Unilever PLC	2019275668	Covidien LP
2018377848	Dunlop, C.	2019308140	S. C. Johnson & Son, Inc.
2018386755	China University of Mining and Technology; China Mining&Civil New Material Science and Technology Ltd.	2019326258	Granular Products Assets Pty Ltd
2018390409	Flow-Rite Controls, Ltd.	2020200155	Kita Sangyo Co., Ltd.
2018391958	Symbol Technologies, LLC	2020200644	Ecolab USA, Inc.
2018393359	Touchstone International Medical Science Co., Ltd.	2020200647	Urschel Laboratories, Inc.
2018396724	Touchstone International Medical Science Co., Ltd.	2020202107	C.R. Bard, Inc.
2018396743	Touchstone International Medical Science Co., Ltd.	2020202572	Seer Medical Pty Ltd
2018409096	Huawei Technologies Co., Ltd.	2020202633	Becton, Dickinson and Company
2018421446	Gaps Technology, LLC	2020202877	INSTITUTE OF GEOLOGY AND GEOPHYSICS CHINESE ACADEMY OF SCIENCES (IGGCAS)
2019200045	CONTRAFECT CORPORATION	2020205323	Tableau Software, Inc.
2019200275	Wencon Development, Inc.	2020233677	2C Holdings Pty Ltd
2019200308	Sunovion Pharmaceuticals Inc.	2020260462	ViaSat, Inc.
2019200474	Translate Bio, Inc.; Massachusetts Institute of Technology		
2019200838	Rearden, LLC		
2019201212	Zenith Epigenetics Ltd.		
2019201229	HEE Solar, L.L.C.		
2019201297	Masergy Communications, Inc.		
2019201469	Google LLC		
2019201488	President and Fellows of Harvard College		
2019201548	Antecip Bioventures II LLC		
2019201668	KONE CORPORATION		
2019201708	Immatics Biotechnologies GmbH		
2019201736	FREEZIO AG		
2019201742	MasterCard International Incorporated		
2019202083	Accenture Global Solutions Limited		
2019202174	Georgia State University Research Foundation		
2019202283	Harpoon Therapeutics, Inc.		
2019202377	LG Electronics Inc.		
2019202378	LG Electronics Inc.		
2019202526	Stryker Corporation		
2019202851	Intuitive Surgical Operations, Inc.		
2019202882	ABS Global, Inc.		
2019202950	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.		
2019203264	Allergan Industrie, SAS		
2019203279	GE Video Compression, LLC		
2019204063	Advanced New Technologies Co., Ltd.		
2019204166	HAIIDUKEWYCH, G.		
2019204183	Stryker Corporation		
2019204224	Manildra Milling Corporation		

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2019210638	2020200644	2015256478	2019204265	<b><u>A61G 7 /-</u></b>	2015364335
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2016302116	2016367297	<b><u>A41D 27 /-</u></b>	2019275554	2017406690	2016335177
<b><u>A01M 23 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A41B 3 /-</u></b>	2019275668	<b><u>A61H 1 /-</u></b>	2016349415
2016367297	2016323782	2016322711	<b><u>A61B 18 /-</u></b>	2016245320	2018202326
<b><u>A01M 25 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A43B 17 /-</u></b>	2019217002	<b><u>A61J 7 /-</u></b>	2018260912
2016302398	2017228805	2018209989	2019223951	2015250132	2019202174
<b><u>A01M 27 /-</u></b>	2017293178	<b><u>A47C 1 /-</u></b>	<b><u>A61B 34 /-</u></b>	<b><u>A61K 133 /-</u></b>	2014390262
2016302398	<b><u>A21D 13 /-</u></b>	2016287487	2016246745	2019246804	2015271709
<b><u>A01M 31 /-</u></b>	2019204224	<b><u>A47C 27 /-</u></b>	<b><u>A61B 46 /-</u></b>	<b><u>A61K 31 /-</u></b>	2016219379
2016302398	<b><u>A21D 2 /-</u></b>	2017398862	2019202526	2015314311	2016239664
<b><u>A01N 25 /-</u></b>	2019204224	<b><u>A47C 7 /-</u></b>	<b><u>A61B 5 /-</u></b>	2015350148	2016335177
2015390078	<b><u>A22B 5 /-</u></b>	2016287487	2016269841	2015364335	2017204942
2017228805	2016236189	<b><u>A47C 9 /-</u></b>	2016287606	2016276022	2017351900
2018285446	<b><u>A23C 1 /-</u></b>	2016287487	2016378935	2016288699	2018238165
2019326258	2016244755	<b><u>A47F 1 /-</u></b>	2018231042	2016289856	2018256508
<b><u>A01N 33 /-</u></b>	<b><u>A23C 9 /-</u></b>	2017353625	2020202572	2016323782	2018260912
2020200644	2016244755	<b><u>A47G 9 /-</u></b>	2020202633	2016370743	2018272085
<b><u>A01N 35 /-</u></b>	<b><u>A23G 9 /-</u></b>	2018377848	<b><u>A61C 13 /-</u></b>	2016288699	2018325845
2016367297	2018373427	<b><u>A47J 27 /-</u></b>	2018284450	2016289856	2019200045
<b><u>A01N 37 /-</u></b>	<b><u>A23L 19 /-</u></b>	2016288620	<b><u>A61D 1 /-</u></b>	2016289856	2019201708
2016367297	2017310867	2017423525	2019210638	2016323782	2019202283
2017233887	<b><u>A23L 21 /-</u></b>	<b><u>A47J 31 /-</u></b>	<b><u>A61D 7 /-</u></b>	2016381072	2019204310
2019326258	2019246804	2016236441	2017230437	2017271458	<b><u>A61K 45 /-</u></b>
<b><u>A01N 43 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A47L 9 /-</u></b>	2017271458	2017279865	2015364335
2016271374	2019204224	2017423525	2017279865	2017281003	2016323782
2016367297	<b><u>A23L 33 /-</u></b>	<b><u>A61B 10 /-</u></b>	2017281003	2017293178	<b><u>A61K 47 /-</u></b>
2017233887	2017310867	2016378935	2017298256	2017298256	2015314311
2017293178	<b><u>A23L 33 /-</u></b>	<b><u>A61B 17 /-</u></b>	2017307033	2017307033	2015361575
2019326258	2017310867	2016205290	2017310867	2017310867	2016349415
<b><u>A01N 47 /-</u></b>			2017323112	2017323112	2018421446
			2017357916	2017357916	
			2017360407	2017360407	<b><u>A61K 48 /-</u></b>
			2018202014	2018202014	2015360845
			2018230805	2018230805	2016365720
			2018361364	2018361364	2018236699
			2019200308	2019200308	2019200474
			2019201212	2019201212	
			2019201548	2019201548	<b><u>A61K 6 /-</u></b>
			2015402709	<b><u>A61K 33 /-</u></b>	2017249668
			2016244293	2015361575	
			2016246067	2017360407	<b><u>A61K 8 /-</u></b>
			2016256894	<b><u>A61K 35 /-</u></b>	2018421446
			2016354549	2015240433	
			2019204166		



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<b><u>A61K 9 /-</u></b>	<b><u>A61M 39 /-</u></b>	<b><u>A61P 37 /-</u></b>	<b><u>B05C 1 /-</u></b>	<b><u>B27K 3 /-</u></b>	<b><u>B65D 21 /-</u></b>
2015314311	2019219825	2015364335	2016268517	2016285430	2018271253
2015341479		2016219379			
2015350148	<b><u>A61M 5 /-</u></b>	2016370743	<b><u>B05D 1 /-</u></b>		
2015361575	2015361575	2017310867	2016268517	<b><u>B32B 13 /-</u></b>	<b><u>B65D 25 /-</u></b>
2015390078	2016256894	2017323112		2016378275	2016244961
2016349415	2016296318		<b><u>B07C 5 /-</u></b>	2016378278	
2017351900	2016359486	<b><u>A61P 43 /-</u></b>	2018270228		<b><u>B65D 30 /-</u></b>
	2018227384	2015361575		<b><u>B32B 25 /-</u></b>	2016244961
<b><u>A61L 15 /-</u></b>	2018261506	2017298256	<b><u>B08B 1 /-</u></b>	2016378275	
2016277798	2020202107		2016285715		<b><u>B65D 33 /-</u></b>
	2020202633	<b><u>A61P 7 /-</u></b>		<b><u>B32B 27 /-</u></b>	2016244961
<b><u>A61L 2 /-</u></b>	<b><u>A61N 1 /-</u></b>	2015336925	<b><u>B08B 3 /-</u></b>	2016378275	
2019204183	2015362091	2016289856	2020200644	2016378278	<b><u>B65D 5 /-</u></b>
	2018285868	2018202326			2017353625
<b><u>A61L 24 /-</u></b>	2019217002	<b><u>A61P 9 /-</u></b>	<b><u>B08B 9 /-</u></b>	<b><u>B32B 5 /-</u></b>	
2016313773	2019223951	2019202174	2018274885	2017244829	<b><u>B65D 51 /-</u></b>
					2015375277
<b><u>A61L 26 /-</u></b>	<b><u>A61N 2 /-</u></b>	<b><u>A61Q 19 /-</u></b>	<b><u>B23Q 1 /-</u></b>	<b><u>B41F 19 /-</u></b>	
2016261108	2019216684	2018421446	2018247298	2016268517	<b><u>B65D 85 /-</u></b>
2016277798					2015375277
	<b><u>A61P 13 /-</u></b>	<b><u>A63B 47 /-</u></b>	<b><u>B24B 27 /-</u></b>	<b><u>B41J 2 /-</u></b>	
<b><u>A61L 27 /-</u></b>	2016289856	2016222865	2018274885	2016268512	<b><u>B65G 1 /-</u></b>
2015361575				2018300673	2016255237
2016349415	<b><u>A61P 17 /-</u></b>	<b><u>A63B 69 /-</u></b>	<b><u>B24B 39 /-</u></b>	<b><u>B41M 5 /-</u></b>	
2019203264	2015361575	2017287827	2018238523	2016232452	<b><u>B65G 17 /-</u></b>
<b><u>A61L 31 /-</u></b>	2016276022	<b><u>A63C 19 /-</u></b>	<b><u>B24C 3 /-</u></b>	2016268517	2016295544
2016222274	2018220880	2017287827	2018274885	<b><u>B42D 25 /-</u></b>	<b><u>B65G 21 /-</u></b>
2016349415	2019246804			2016256954	2016295544
	<b><u>A61P 27 /-</u></b>	<b><u>B01D 35 /-</u></b>	<b><u>B25H 3 /-</u></b>	<b><u>B60C 15 /-</u></b>	<b><u>B65G 27 /-</u></b>
<b><u>A61L 9 /-</u></b>	2019202174	2019204880	2018271253	2017228213	2016216986
2019308140				<b><u>B60C 27 /-</u></b>	<b><u>B65G 39 /-</u></b>
	<b><u>A61P 29 /-</u></b>	<b><u>B01D 39 /-</u></b>	<b><u>B25J 11 /-</u></b>	2017228213	2016295544
<b><u>A61M 1 /-</u></b>	2015364335	2015274367	<b><u>B25J 9 /-</u></b>	<b><u>B60H 3 /-</u></b>	<b><u>B65G 45 /-</u></b>
2016256204			2016246745	2019308140	2016285715
2016287606	<b><u>A61P 3 /-</u></b>	<b><u>B01L 3 /-</u></b>	<b><u>B26B 25 /-</u></b>	<b><u>B60P 1 /-</u></b>	<b><u>B65H 75 /-</u></b>
2016349521	2017307033	2015274367	2016236189	2019240618	2017362647
2018229529					
	<b><u>A61P 31 /-</u></b>	<b><u>B03B 7 /-</u></b>	<b><u>B26D 1 /-</u></b>	<b><u>B60R 21 /-</u></b>	<b><u>B66B 1 /-</u></b>
<b><u>A61M 13 /-</u></b>	2015390078	2016382784	2015250132	2017330673	2019201668
2019219825	2016381072		2020200647		
	2018230805	<b><u>B03C 3 /-</u></b>	<b><u>B26D 3 /-</u></b>	<b><u>B61K 13 /-</u></b>	<b><u>B66B 19 /-</u></b>
<b><u>A61M 15 /-</u></b>	2018267609	2018278288	2015250132	2015264781	2017327416
2018206762	2018361364				
	2019246804	<b><u>B03D 1 /-</u></b>	<b><u>B26D 5 /-</u></b>	<b><u>B61L 25 /-</u></b>	<b><u>B66B 3 /-</u></b>
<b><u>A61M 16 /-</u></b>	<b><u>A61P 33 /-</u></b>	2016382784	2020200647	2015264781	2019201668
2016338236	2017293178				
2018206762		<b><u>B04C 5 /-</u></b>	<b><u>B26D 7 /-</u></b>	<b><u>B62D 21 /-</u></b>	<b><u>B66B 9 /-</u></b>
2018247311	<b><u>A61P 35 /-</u></b>	2019248218	2020200647	2015290285	2016337176
2019204410	2015271709				
	2015302930	<b><u>B05B 1 /-</u></b>	<b><u>B27C 7 /-</u></b>	<b><u>B62D 49 /-</u></b>	<b><u>B67B 7 /-</u></b>
<b><u>A61M 25 /-</u></b>	2017230437	2016204052	2018274885	2016291103	2020200155
2016315862	2017271458				
2016344123	2017323112				
2019217002	2018260912				
	2018267609				
<b><u>A61M 27 /-</u></b>	2018325845				
2016256204	2019202174				



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2019213449	2018218543	<b><u>F16L 15 /-</u></b>	<b><u>G01F 22 /-</u></b>	<b><u>G01N 25 /-</u></b>	2017255561
<b><u>E04C 3 /-</u></b>	<b><u>E21B 43 /-</u></b>	2018273320	2019219753	2019204183	<b><u>G06F 1 /-</u></b>
2016201264	2016285546	<b><u>F16L 3 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G01N 27 /-</u></b>	2018299524
<b><u>E04C 5 /-</u></b>	2018285940	2019213449	2018390409	2016215586	2018372440
2015348333	<b><u>E21B 47 /-</u></b>	<b><u>F16L 47 /-</u></b>	<b><u>G01G 19 /-</u></b>	<b><u>G01N 29 /-</u></b>	<b><u>G06F 11 /-</u></b>
<b><u>E04D 13 /-</u></b>	2016278165	2016215086	2016216986	2015373364	2019236625
2019200275	2017352106	<b><u>F16L 57 /-</u></b>	<b><u>G01H 11 /-</u></b>	2017352106	<b><u>G06F 12 /-</u></b>
<b><u>E04F 11 /-</u></b>	2020202877	2020233677	2017341676	2019208143	2017422723
2015234334	<b><u>E21B 49 /-</u></b>	<b><u>F17D 5 /-</u></b>	<b><u>G01H 5 /-</u></b>	<b><u>G01N 33 /-</u></b>	2019201297
<b><u>E04G 21 /-</u></b>	2017352106	2015373364	2017352106	2014308980	<b><u>G06F 16 /-</u></b>
2016236738	<b><u>E21C 25 /-</u></b>	2020233677	2019204183	2015240433	2018331263
2016236738	2016202377	<b><u>F21S 8 /-</u></b>	<b><u>G01K 1 /-</u></b>	2015241380	2019236625
<b><u>E04H 17 /-</u></b>	<b><u>E21C 27 /-</u></b>	2015259411	2017245592	2015336925	<b><u>G06F 17 /-</u></b>
2015234334	2018241197	<b><u>F23J 1 /-</u></b>	<b><u>G01L 13 /-</u></b>	2015369316	2015203739
<b><u>E04H 4 /-</u></b>	<b><u>E21C 35 /-</u></b>	2016295544	<b><u>G01L 19 /-</u></b>	2016279908	2017333190
2016337176	2016202377	<b><u>F23R 3 /-</u></b>	<b><u>G01L 27 /-</u></b>	2016335177	2017355535
<b><u>E05B 17 /-</u></b>	<b><u>E21C 41 /-</u></b>	2017409263	<b><u>G01M 17 /-</u></b>	2016378935	2019202083
2014253559	2016202377	<b><u>F24F 13 /-</u></b>	<b><u>G01M 3 /-</u></b>	2018204793	2019204063
<b><u>E05B 47 /-</u></b>	2016203000	2017413868	2015303038	2019204310	
2014253559	<b><u>F02C 7 /-</u></b>	<b><u>F25B 39 /-</u></b>	2017341676	2019226136	<b><u>G06F 21 /-</u></b>
<b><u>E05B 49 /-</u></b>	2017409263	2018245788	<b><u>G01N 1 /-</u></b>	2019246661	2015378597
2016255237	<b><u>F02K 7 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G01R 19 /-</u></b>	2016424054
<b><u>E05B 65 /-</u></b>	2017409263	2017398148	<b><u>G01N 21 /-</u></b>	2019308140	2018338249
2016255237	<b><u>F04B 43 /-</u></b>	<b><u>F25D 17 /-</u></b>	2015274367	<b><u>G01R 27 /-</u></b>	2019204725
<b><u>E21B 10 /-</u></b>	2018296739	2017398148	2016279908	2020202877	<b><u>G06F 3 /-</u></b>
2015353715	<b><u>F04B 49 /-</u></b>	<b><u>F28D 1 /-</u></b>	2019208143	<b><u>G01R 31 /-</u></b>	2018277650
<b><u>E21B 17 /-</u></b>	2018296739	<b><u>F41C 23 /-</u></b>	<b><u>G01N 15 /-</u></b>	2017387185	2018329478
2015402211	<b><u>F16B 35 /-</u></b>	2018245788	<b><u>G01N 23 /-</u></b>	2019308140	2019204410
2018218543	2018386755	<b><u>F41C 27 /-</u></b>	<b><u>G01N 23 /-</u></b>	<b><u>G01V 1 /-</u></b>	2020205323
<b><u>E21B 19 /-</u></b>	<b><u>F16B 43 /-</u></b>	2016257903	2015290285	2015248990	<b><u>G06F 40 /-</u></b>
2016278165	2018386755	<b><u>F41C 27 /-</u></b>	2015326540	2015253814	2018331263
<b><u>E21B 29 /-</u></b>	<b><u>F16K 15 /-</u></b>	2016257903	2015369316	2015335017	<b><u>G06F 9 /-</u></b>
2015353715	2018296992	<b><u>F41G 11 /-</u></b>	2016278082	<b><u>G02B 21 /-</u></b>	2019236625
2016278165	<b><u>F16K 27 /-</u></b>	2016257903	2017247108	2015369316	2019261768
<b><u>E21B 33 /-</u></b>	2018296992	<b><u>G01B 7 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06K 1 /-</u></b>
2016278165	<b><u>F16K 3 /-</u></b>	2020233677	<b><u>G01N 21 /-</u></b>	2015341881	2018391958
2018214065	2016270949	<b><u>G01C 21 /-</u></b>	2015290285	<b><u>G03G 15 /-</u></b>	<b><u>G06K 17 /-</u></b>
2018218543	2016338236	2017411198	2015326540	2016268512	2016255237
<b><u>E21B 34 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>G01F 1 /-</u></b>	2015369316	<b><u>G05B 23 /-</u></b>	<b><u>G06K 5 /-</u></b>
2015402211	2016338236	2018390409	2016278082	2018285617	2016243746
<b><u>E21B 41 /-</u></b>	2016338236		2016297731	<b><u>G05D 1 /-</u></b>	<b><u>G06K 7 /-</u></b>
			2017247108	2019202377	2018391958
			<b><u>G01N 23 /-</u></b>	<b><u>G05D 16 /-</u></b>	<b><u>G06K 9 /-</u></b>
			2016279908	2016204052	2017247108
			2017247108	<b><u>G06E 1 /-</u></b>	2018299524
			2018342250		2018310280
			2019246661		

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<b><u>G06N 3 /-</u></b>	2018232904	2019203279	2017249085
2017355535	<b><u>H01B 7 /-</u></b>	<b><u>H04B 1 /-</u></b>	<b><u>H04N 5 /-</u></b>
<b><u>G06Q 10 /-</u></b>	2016352848	2017295887	2019213435
2019201742	<b><u>H01F 13 /-</u></b>	2018286390	<b><u>H04N 7 /-</u></b>
2019204063	2020202633	2018328776	<b><u>H04N 7 /-</u></b>
<b><u>G06Q 20 /-</u></b>	<b><u>H01G 9 /-</u></b>	<b><u>H04B 17 /-</u></b>	2015290285
2019204063	2019250120	2017295887	2018297600
<b><u>G06Q 30 /-</u></b>	<b><u>H01L 23 /-</u></b>	<b><u>H04B 3 /-</u></b>	2019213435
2015311691	<b><u>H01L 27 /-</u></b>	2020202877	<b><u>H04Q 9 /-</u></b>
2019201742	2017325796	<b><u>H04B 7 /-</u></b>	2020202877
2019204063	<b><u>H01L 27 /-</u></b>	2017295887	<b><u>H04R 3 /-</u></b>
<b><u>G06Q 90 /-</u></b>	2017325796	2018328776	2018329478
2019202083	<b><u>H01L 51 /-</u></b>	2020260462	<b><u>H04S 7 /-</u></b>
<b><u>G06T 5 /-</u></b>	2015331338	<b><u>H04L 1 /-</u></b>	2016312404
2016212243	2016213091	2018274861	<b><u>H04W 28 /-</u></b>
<b><u>G07D 9 /-</u></b>	2019201229	2018409096	2017352948
2015288956	<b><u>H01M 10 /-</u></b>	<b><u>H04L 12 /-</u></b>	<b><u>H04W 36 /-</u></b>
<b><u>G08B 1 /-</u></b>	2016265048	2016286227	2017414388
2016279891	2017387185	2018232915	<b><u>H04W 4 /-</u></b>
<b><u>G08B 5 /-</u></b>	2018390409	2019250142	2017441153
2016279891	<b><u>H01M 2 /-</u></b>	<b><u>H04L 27 /-</u></b>	2018331263
<b><u>G08C 19 /-</u></b>	2018390409	2017295887	<b><u>H04W 52 /-</u></b>
2020202877	<b><u>H01M 4 /-</u></b>	2019200838	2017216895
<b><u>G08G 1 /-</u></b>	2016265048	<b><u>H04L 29 /-</u></b>	2018360785
2016206230	<b><u>H01Q 1 /-</u></b>	2016357206	<b><u>H04W 72 /-</u></b>
2017330673	2018286390	2017230349	2016306316
2018278948	<b><u>H01R 13 /-</u></b>	2018232915	2016390529
<b><u>G09C 1 /-</u></b>	2018328776	2018331263	2017216895
2018336413	<b><u>H02J 13 /-</u></b>	2019240583	2017414388
2018338249	2017428896	<b><u>H04L 5 /-</u></b>	2017441153
<b><u>G10L 13 /-</u></b>	<b><u>H02J 3 /-</u></b>	2017216895	2018369242
2018277650	2017428896	2017317024	<b><u>H05H 1 /-</u></b>
<b><u>G10L 15 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04L 9 /-</u></b>	2015333832
2017355535	2019308140	2017352361	2018232904
2018277650	<b><u>H02K 21 /-</u></b>	2019204063	<b><u>H05K 5 /-</u></b>
<b><u>G10L 19 /-</u></b>	2018309956	2019204725	2018339943
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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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 (51) Int. Cl.  
*A47J 47/06* ( 2006.01 )  
*B65D 81/20* ( 2006.01 )  
 (45) 26.11.2020  
 (72) Curedale, David  
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- (71) Apple Inc.  
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 (54) Connected epitaxial optical sensing systems  
 (51) Int. Cl.  
*G01J 1/42* ( 2006.01 )  
*G01J 1/02* ( 2006.01 )  
*H01S 5/026* ( 2006.01 )  
*H01S 5/0683* ( 2006.01 )  
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 (45) 26.11.2020  
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 (72) BISMUTO, Alfredo; SIMON, David I; PELC, Jason  
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- (71) Apple Inc.  
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 (72) Manzari, Behkish J.; Souza Dos Santos, Andre; Paul, Grant; Sorrentino III, William A.; Preston, Daniel Trent; Broughton, Lee S.; Girling, Lukas Robert Tom; McCormack, Jon; Hubel, Paul; Deshpande, Alok; Lupinetti, Nick;
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- Hankey, M. Evans; Dye, Alan C.; Federighi, Craig M.  
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- (71) Delmoni, A.  
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 (72) Delmoni, Alex  
 (74) Griffith Hack
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- (71) McWilliams, M.  
 (11) AU-B-2014101625  
 (21) 2014101625 (22) 26.02.2014  
 (54) Sprayer Unit  
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*A01G 25/09* ( 2006.01 )  
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 (72) McWilliams, Matt  
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**G06F 16 /-**

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**H01S 5 /-**

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**H04N 7 /-**

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**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2014240371 **ESCO Group LLC** ( CQMS Pty Ltd )  
 2020101007 **Ginco Industries Pty Ltd** ( DEMATIC PTY LTD )

**Opposition Withdrawn**

2011200851 **HBG IP Holding Pty Ltd** ( Britax Childcare Pty Ltd )  
 2017201937 **HBG IP Holding Pty Ltd** ( Britax Childcare Pty Ltd )

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2002212156 Koch Membrane Systems GmbH The patent has been assigned to **Koch Membrane Systems, Inc.**

2003277952 Catapult Innovations Pty Ltd The patent has been assigned to **Catapult Group International Ltd**

2005254215 Koch Membrane Systems GmbH The patent has been assigned to **Koch Membrane Systems, Inc.**

2006222732 Catapult Innovations Pty Ltd The patent has been assigned to **Catapult Group International Ltd**

2006331934 I.S.T. (MA) Corporation The patent has been assigned to **I.S.T Corporation**

2007299231 Koch Membrane Systems GmbH The patent has been assigned to **Koch Membrane Systems, Inc.**

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2010215691 Johannes Gutenberg-Universität Mainz; Ganymed Pharmaceuticals GmbH The patent has been assigned to **Ganymed Pharmaceuticals GmbH; TRON – Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH**

2010220198 BWA Water Additives UK Limited The patent has been assigned to **Italmatch Chemicals GB Limited**

2010325628 Arumugam, Rajendra Babu; Chettiar, Kannappan The patent has been assigned to **Fizix Pte Ltd**



**Assignments Registered**

2011206874 Enbala Power Networks Inc. The patent has been assigned to **1266638 B.C. Unlimited Liability Company**

2011320758 Aequus Pharmaceuticals Inc. The patent has been assigned to **Alpha To Omega Pharmaceutical Consultants, Inc.**

2012201437 Oculus Innovative Sciences, Inc. The patent has been assigned to **MicroSafe Group DMCC**

2012202616 Haddock, Robert; Haddock, Dustin The patent has been assigned to **RMH Tech LLC**

2012314478 Oberthur Fiduciaire SAS The patent has been assigned to **Oberthur Fiduciaire SAS; Solvay Specialty Polymers Italy S.p.A.**

2014101507 Novopak Pty Ltd The patent has been assigned to **Fibrepack Australia Pty Ltd**

2014231342 Synaptive Medical (Barbados) Inc. The patent has been assigned to **Synaptive Medical Inc.**

2014311318 Novogy, Inc. The patent has been assigned to **Ginkgo Bioworks, Inc.**

2014315746 ZEP B.V. The patent has been assigned to **WIENER-BERGER B.V.**

2014322757 Synaptive Medical (Barbados) Inc. The patent has been assigned to **Synaptive Medical Inc.**

2015218697 Intel IP Corporation; Jain, Puneet; Shan, Chang; Parron, Jerome The patent has been assigned to **Apple Inc.**

2015222590 Peking University The patent has been assigned to **Beijing Braves Medicine Research Co. Ltd**

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2015255286 Haddock, Robert; Haddock, Dustin The patent has been assigned to **RMH Tech LLC**

2015275327 Novopak Pty Ltd The patent has been assigned to **Fibrepack Australia Pty Ltd**

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2017101556 Novopak Pty Ltd The patent has been assigned to **Fibrepack Australia Pty Ltd**

2017264468 Von Sobbe, Hans-Ulrich The patent has been assigned to **bnn Holding AG**

2018101693 Novopak Pty Ltd The patent has been assigned to **Fibrepack Australia Pty Ltd**

**Assignments Registered**

2018200685 Astellas Pharma Inc.; Johannes Gutenberg-Universität Mainz, vertreten durch den Präsidenten The patent has been assigned to **Astellas Pharma Inc.; TRON - Translationale Onkologie An Der Universitätsmedizin Der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH**

2018211278 BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Ganymed Pharmaceuticals GmbH The patent has been assigned to **Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE**

2019100588 Novopak Pty Ltd The patent has been assigned to **Fibrepack Australia Pty Ltd**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

2007311511 **Sanofi-Aventis**

The earliest first regulatory approval date provided by the patentee 06 May 2020

For the goods SARCLISA isatuximab

**Applications Accepted**

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2007296450 **Deciphera Pharmaceuticals, LLC.**

The earliest first regulatory approval date provided by the patentee 13 Jul 2020

For the goods QINLOCK ripretinib

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2012327210 **Deciphera Pharmaceuticals, LLC**

The earliest first regulatory approval date provided by the patentee 13 Jul 2020

For the goods QINLOCK ripretinib

Address for service : Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

**Corrigenda**

In Vol 33 , No 28 , Page(s) 4123 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name LG Electronics Inc., Application No. 2017381405, Under INID (72) add co-inventor Rahme, Maroun George

In Vol 34 , No 44 , Page(s) 6258 under the heading **Amendments - Amendments Made** Under the name China National Institute of Standardization, Application No. 2020102511, under INID (32) correct the date to read 10 Mar 2020

In Vol 34 , No 46 , Page(s) 6530 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2020** Delete all reference to 2020200651.

**Specifications Republished**

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

2015229103	<b>Immutep S.A.S; Novartis AG</b>
2016274950	<b>ISP Investments LLC.</b>
2017215825	<b>Taiho Pharmaceutical Co., Ltd.</b>
2017384276	<b>F. Hoffmann-La Roche AG</b>
2018208613	<b>Snowflake Inc.</b>
2019202027	<b>Ningbo Jiatai Eyewear Co., Ltd.</b>
2019264537	<b>Venatorx Pharmaceuticals, Inc.</b>