



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

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

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

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

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

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

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

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***H Lundbeck A/S v Sandoz Pty Ltd* [2019] APO 18**

Patent: 623144

Title: (+)-Enantiomer of citalopram and process for the preparation thereof

Applicant for licence: Sandoz Pty Ltd

Patentee and Opponent: H Lundbeck A/S

Hearing Officer: Dr S.D. Barker – Deputy Commissioner of Patents

Decision Date: 11 April 2019

Hearing Date: 19 November 2018 and 18 March 2019 in Canberra

Catchwords: **PATENTS** – section 223(9) and regulation 22.21 – application for licence to exploit – opposition to the application – relevant considerations – exploitation found – definite steps to exploit not found – patent ceased – application for extension of term was not filed in time – exploitation was because of the failure to file the for extension of term in time – balance of discretionary considerations – grant of licence – costs

Representation: Counsel for the patentee: A. Bannon SC and L. Merrick  
Solicitor for the opponent: Corrs Chambers Westgarth  
Counsel for the licence applicant: J. Hennessy SC and P. Arcus  
Solicitor for the applicant: Clayton Utz

Abstract of Decision

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

**Safran Electronics & Defense [2019] APO 17**

Patent Application: 2016271694

Title: Aiming system comprising a screen covered with a tactile interface and corresponding aiming method

Patent Applicant: Safran Electronics & Defense

Delegate: Isaac Tan

Decision Date: 11 April 2019

Hearing Date: 15 March 2019 by written submissions.

Catchwords: **PATENTS** – section 45 – examiner objection hearing – computer implemented invention – touch interface – aiming system comprising a control zone – virtual joystick – novelty and inventive step under section 18(1)(b) – combination of prior art considered – claims are novel and inventive – consideration of what constitutes common general knowledge – no motivation to combine disclosure of prior art – application directed to proceed to acceptance

Representation: Andrew Cale, Patent Attorney of Spruson & Ferguson  
Edward Quinn, Patent Attorney of Spruson & Ferguson

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 16 Apr 2019 .

(71) 3DM Biomedical Pty Ltd (21) 2019901205 (22) 09.04.2019 (54) Electropolishing method	(71) Bond, B. (21) 2019901266 (22) 12.04.2019 (54) Sudden Stop Indicator	(71) De Geeter, P. (21) 2019901200 (22) 09.04.2019 (54) Wave Energy Conversion Apparatus
(71) Alertness CRC Ltd (21) 2019901214 (22) 09.04.2019 (54) Sleep deficiency biomarkers	(71) Bond, B. (21) 2019901282 (22) 13.04.2019 (54) Vehicle Remote Anti Theft Device	(71) DIGITAL SOUL TECHNOLOGIES PTY LTD (21) 2019901286 (22) 14.04.2019 (54) An inter-couple proximity sensitive stimulation system for use during inter-course
(71) Ali, P.; Hehonah, N. (21) 2019901256 (22) 11.04.2019 (54) Hair restoration	(71) Cahejo Pty Ltd (21) 2019901274 (22) 12.04.2019 (54) STABILISER	(71) Dunstan, T. (21) 2019901241 (22) 10.04.2019 (54) Kettlebell Pro H2O The worlds first kettlebell water bottle. This dynamic design enables the user to work out with the kettlebell (all sizes, fitness kettlebells and competition kettlebells) while also benefiting from the convenience of easily accessible water to keep hydrated while training.
(71) Aquamill Five Star Pty Ltd (21) 2019901243 (22) 11.04.2019 (54) Evaporator	(71) Centenary Institute of Cancer Medicine and Cell Biology; University of Sydney (21) 2019901277 (22) 12.04.2019 (54) Conjugates and their use as imaging agents	
(71) Ausdrill Ltd (21) 2019901292 (22) 15.04.2019 (54) A SAMPLING SYSTEM	(71) CPR Group Australia Pty Ltd (21) 2019901253 (22) 11.04.2019 (54) A Shroud	
(71) Automation Innovation Pty Ltd (21) 2019901262 (22) 11.04.2019 (54) IMPROVED LASER CLEANING SYSTEM	(71) CS Automation Pty Ltd (21) 2019901224 (22) 10.04.2019 (54) Controlling operation of a crusher	(71) Dunstan, T. (21) 2019901290 (22) 15.04.2019 (54) Drink out of the box is a recyclable and biodegradable water storage and distribution device devoid of any plastic or metal properties. This design offers a cost effective and responsible solution for water suppliers and distributors to avoid contributing to the environmental destruction of single use plastic and access more sustainable, environmentally friendly options to operate their business. This device offers a solution for consumers to make positive, conscious and intelligent choices that align with their values and the need to create change to protect and preserve the environment.
(71) Bailey, D. (21) 2019901264 (22) 12.04.2019 (54) A vibrational decoupling device for an equipment handle	(71) CSR Building Products Limited (21) 2019901268 (22) 12.04.2019 (54) PANEL MOUNTING SYSTEM	
(71) BFRE Pty Ltd (21) 2019901283 (22) 13.04.2019 (54) Rake screed for levelling concrete	(71) Danic, M. (21) 2019901285 (22) 14.04.2019 (54) UNDER-FOLD KNEE-PAD POCKET	
(71) Bond, B. (21) 2019901265 (22) 12.04.2019 (54) Mechanical Inertial Rheostat	(71) Dedov, V. (21) 2019901284 (22) 14.04.2019 (54) FOOT CONTROLLER FOR SOCCER VIDEO GAMES	(71) EcoKimiko IPM Pty Ltd (21) 2019901235 (22) 10.04.2019 (54) Bee repellent

Provisional Applications Filed - Name Index cont'd

(71) EcoSpectral Pty Ltd  
 (21) 2019901270 (22) 12.04.2019  
 (54) Context Responsive Sensing Apparatus, System and Method for Automated Building Monitoring and Control

(71) Egge, P.  
 (21) 2019901230 (22) 10.04.2019  
 (54) Counter Surveillance Scanning Device and System

(71) Elecit Pty Ltd  
 (21) 2019901272 (22) 12.04.2019  
 (54) ELECTRICAL WIRING SHIELDING DEVICE

(71) Ellen Medical Devices Pty Ltd  
 (21) 2019901232 (22) 10.04.2019  
 (54) DISTILLATION AND AIR FILTRATION DEVICE

(71) Ellen Medical Devices Pty Ltd  
 (21) 2019901233 (22) 10.04.2019  
 (54) CONTAINER FOR A TREATMENT SOLUTION, AND TREATMENT SYSTEM

(71) Ellen Medical Devices Pty Ltd  
 (21) 2019901234 (22) 10.04.2019  
 (54) SYSTEM, METHOD AND DEVICE FOR DISTILLING A LIQUID

(71) Equipment Safety Systems Pty Ltd  
 (21) 2019901255 (22) 11.04.2019  
 (54) Boom Sensor

(71) Everett, T.  
 (21) 2019901240 (22) 10.04.2019  
 (54) LOCK RELEASE MECHANISM

(71) Expon Industries Pty Ltd  
 (21) 2019901212 (22) 09.04.2019  
 (54) WET ROOM MODULAR CONSTRUCTION

(71) Falcon Lair Pty. Ltd  
 (21) 2019901203 (22) 09.04.2019  
 (54) Improved Electronic Bolt Seal Assembly For Cargo Transport Units

(71) Fisher, T.J.  
 (21) 2019901257 (22) 11.04.2019  
 (54) Water Treatment Device

(71) Formflow Pty Ltd  
 (21) 2019901258 (22) 11.04.2019  
 (54) APPARATUS AND METHOD FOR BENDING CONTOURED METAL SHEETING ABOUT A FOLD LINE

(71) Gatward, T.  
 (21) 2019901263 (22) 12.04.2019  
 (54) An online platform that connects groups of people through an online chat.

(71) GE MINI D PTY LTD  
 (21) 2019901231 (22) 10.04.2019  
 (54) PEER DEPOSIT METHOD AND SYSTEM

(71) Guy, A.  
 (21) 2019901207 (22) 09.04.2019  
 (54) Flood Water Operated Gate Opener

(71) GWR Pty Ltd  
 (21) 2019901209 (22) 09.04.2019  
 (54) Electrical Connector

(71) H. BURFORD PTY. LTD.  
 (21) 2019901237 (22) 10.04.2019  
 (54) SHARK RESISTANT COMPOSITE FABRIC

Hehonah, N. see Ali, P.  
 (21) 2019901256

(71) Heikkinen, T.  
 (21) 2019901201 (22) 09.04.2019  
 (54) An Improved Jack

(71) Hickson, S.  
 (21) 2019901287 (22) 14.04.2019  
 (54) Fully adjustable motorcycle fork support used in motorcycle transportation

(71) Higgins, C.  
 (21) 2019901202 (22) 09.04.2019  
 (54) Improved computer architecture and software supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain business solutions

(71) Higgins, C.  
 (21) 2019901288 (22) 14.04.2019  
 (54) Improved computer architecture and software supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain business solutions

(71) Higgins, C.  
 (21) 2019901289 (22) 14.04.2019  
 (54) Improved computer architecture and software supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain business solutions

HJORTFLOD, K. see TANNOS, G.  
 (21) 2019901211

(71) HYDROFLUX INDUSTRIAL PTY LTD  
 (21) 2019901278 (22) 12.04.2019  
 (54) A SYSTEM/METHOD/DEVICE FOR ENRICHMENT AND SEPARATION OF FLUORINE CONTAINING ORGANIC COMPOUNDS FROM WATER AND WASTEWATER USING EXTERNALLY GENERATED MICROBUBBLES.

(71) ICEE Holdings Pty Ltd  
 (21) 2019901218 (22) 09.04.2019  
 (54) PARTIALLY FOLDABLE RECEPTACLE AND METHOD OF MANUFACTURE

(71) Intex Holdings Pty Ltd  
 (21) 2019901229 (22) 10.04.2019  
 (54) Expert Report Editor

(71) Jindex Pty Limited  
 (21) 2019901273 (22) 12.04.2019  
 (54) A nozzle valve

(71) Kelly, S.  
 (21) 2019901248 (22) 11.04.2019  
 (54) Method and System to Isolate Electrical Fence

(71) KIKITSA Pty Ltd  
 (21) 2019901293 (22) 15.04.2019  
 (54) Personal Earthing Strap

(71) King, N.  
 (21) 2019901246 (22) 11.04.2019  
 (54) Circ-Suit

(71) King, N.  
 (21) 2019901247 (22) 11.04.2019  
 (54) The Osiris

(71) Kraftig Industries Pty Ltd  
 (21) 2019901225 (22) 10.04.2019  
 (54) LOCKING DEVICE FOR AN EXERCISE WEIGHT PLATE

(71) L&SCREATIONS PTY LTD  
 (21) 2019901226 (22) 10.04.2019  
 (54) A PORTABLE DEVICE CONFIGURED TO FACILITATE TREATMENT OF CREASED ARTICLES

(71) May, M.; Tschrin, P.  
 (21) 2019901260 (22) 11.04.2019  
 (54) Hay Press

Provisional Applications Filed - Name Index cont'd

(71) McWade, K.  
(21) 2019901222 (22) 10.04.2019  
(54) AN IMPROVED INTERCOOLER TANK AND OR RESERVOIR

(71) Miners, A.  
(21) 2019901228 (22) 10.04.2019  
(54) A pinch valve assembly

(71) MINI SKI PTY LTD  
(21) 2019901244 (22) 11.04.2019  
(54) WATERCRAFT

(71) Minnoco Pty Ltd  
(21) 2019901291 (22) 15.04.2019  
(54) Blasthole Collar

(71) MULTIBUY PTY LTD  
(21) 2019901227 (22) 10.04.2019  
(54) Pool Corral fence system for portable pools

(71) MURPHY, N.M.  
(21) 2019901223 (22) 10.04.2019  
(54) Method for screening IVF embryos

(71) Mystic Trading Company Pty Ltd  
(21) 2019901219 (22) 09.04.2019  
(54) Modulation of plant growth and development

(71) Nexus Construction Systems Pty Ltd  
(21) 2019901239 (22) 10.04.2019  
(54) Recess Former for Cast Plate

(71) NIDUS DESIGN PTY LTD  
(21) 2019901271 (22) 12.04.2019  
(54) Adaptable Carry Caddy system. Including but not limited to a main tray with attached pivoting and lockable handle, storage containers that are movable to different positions internally and externally about the main tray.

(71) Palmaya Pty Ltd  
(21) 2019901261 (22) 11.04.2019  
(54) Compositions and Methods of Treatment

(71) Papamichalakis, F.; Veenendaal, M.  
(21) 2019901281 (22) 12.04.2019  
(54) An assembly for transfer of vehicles

**Petric, Z. see Scholsem, M.**  
(21) 2019901245

(71) PINCH LABS PTY LTD  
(21) 2019901276 (22) 12.04.2019  
(54) METHODS AND APPARATUS FOR DISPLAYING, COMPRESSING AND/OR INDEXING INFORMATION RELATING TO A MEETING

(71) Pivotree Pty Ltd  
(21) 2019901242 (22) 10.04.2019  
(54) Mooring assembly

(71) PLMO Pty Ltd  
(21) 2019901215 (22) 09.04.2019  
(54) Refinish backing block/Tool with progressive hardness

(71) POLYSTYRENE REFORMING PTY LTD  
(21) 2019901254 (22) 11.04.2019  
(54) A METHOD FOR RECYCLING EXPANDED POLYSTYRENE

(71) QBiotics Group Limited  
(21) 2019901280 (22) 12.04.2019  
(54) Method of Treatment

(71) ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY  
(21) 2019901294 (22) 15.04.2019  
(54) METAL ORGANIC FRAMEWORKS AND METHODS OF PREPARATION

(71) Schneider Electric Industries SAS  
(21) 2019901217 (22) 09.04.2019  
(54) VOLTAGE MEASUREMENT COMPENSATION IN HIGH VOLTAGE SYSTEMS

(71) Scholsem, M.; Petric, Z.  
(21) 2019901245 (22) 11.04.2019  
(54) A BONE IMPLANT

(71) SEED OF THOUGHT  
(21) 2019901208 (22) 09.04.2019  
(54) A Two Party Key Safe for Exchanging Key/s securely, between both parties with electronic records of time and date

(71) Share My Solar Pty Ltd  
(21) 2019901259 (22) 11.04.2019  
(54) A System and Method for Monitoring Clean Energy Generation

(71) Smart Inject Pty Ltd  
(21) 2019901220 (22) 09.04.2019  
(54) INJECTION SYSTEM

(71) Solar Sailor Pty Ltd  
(21) 2019900284 (22) 31.01.2019  
(54) Appl is Potentially Prohibited

(71) Southern Oil Pty Ltd  
(21) 2019901206 (22) 09.04.2019  
(54) Catalysts and uses thereof

(71) Specialized Coatings Pty Ltd  
(21) 2019901279 (22) 12.04.2019  
(54) An architectural panel

(71) Starboard Co. Ltd  
(21) 2019901251 (22) 11.04.2019  
(54) Bottle Holder

(71) Steve Madden Agriculture Pty Ltd  
(21) 2019901249 (22) 11.04.2019  
(54) SYSTEMS AND METHODS FOR DELIVERING PARASITIC INSECTS

(71) STM MANAGEMENT PTY LTD  
(21) 2019901204 (22) 09.04.2019  
(54) A BAG DEFINING AN INTERIOR FOR RECEIVING A DEVICE

(71) TANNOS, G.; HJORTFLOD, K.  
(21) 2019901211 (22) 09.04.2019  
(54) Method and Apparatus for Remotely Stopping A Gutter Outlet

(71) The Spacer Co Pty Ltd  
(21) 2019901210 (22) 09.04.2019  
(54) Pipe supports

(71) Tracker Geoservices Pty Ltd  
(21) 2019901216 (22) 09.04.2019  
(54) Method for Producing a Fertiliser

(71) Trident Plastic Engineering Pty Ltd )  
(21) 2019901269 (22) 12.04.2019  
(54) Panel, System and Method

**Tschrin, P. see May, M.**  
(21) 2019901260

**University of Sydney see Centenary Institute of Cancer Medicine and Cell Biology**  
(21) 2019901277

**Veenendaal, M. see Papamichalakis, F.**  
(21) 2019901281

(71) Villaescusa, M.  
(21) 2019901250 (22) 11.04.2019  
(54) A layered material, formwork and or construction element

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(71) Villaescusa, M.  
 (21) 2019901252 (22) 11.04.2019  
 (54) A new and improved laminated material, formwork and or construction element

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(71) Walters Alliance Pty Ltd  
 (21) 2019901236 (22) 10.04.2019  
 (54) Smart Gas Meter

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(71) Webber, G.  
 (21) 2019901221 (22) 09.04.2019  
 (54) Shark proof swimming enclosure

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(71) WEEKS HOLDINGS PTY LTD  
 (21) 2019901267 (22) 12.04.2019  
 (54) Upper Floor Joist

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(71) Wilmcote Investments Pty Ltd  
 (21) 2019901238 (22) 10.04.2019  
 (54) Tracker Bracelet

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(71) Zingit Technologies Pty Ltd  
 (21) 2019901275 (22) 12.04.2019  
 (54) IMPROVED RAZOR, RAZOR HANDLE AND RAZOR HINGE ASSEMBLY



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2019901225	Kraftig Industries Pty Ltd	2019901293	KIKITSA Pty Ltd
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2019901257	Fisher, T.J.		
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2019901260	May, M.; Tschrin, P.		
2019901261	Palmaya Pty Ltd		
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2019901263	Gatward, T.		
2019901264	Bailey, D.		
2019901265	Bond, B.		
2019901266	Bond, B.		
2019901267	WEEKS HOLDINGS PTY LTD		

**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 16 Apr 2019 .

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

<hr/> <p>(71) Accenture Global Solutions Limited (21) 2019202454 (22) 09.04.2019 (54) SMART ADVISORY FOR DISTRIBUTED AND COMPOSITE TESTING TEAMS BASED ON PRODUCTION DATA AND ANALYTICS (62) 2018200523</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2019202519 (22) 11.04.2019 (54) SEPARATION PROCESS AND APPARATUS FOR LIGHT NOBLE GAS (31) 16/251,594 (32) 18.01.19 (33) US</p> <hr/> <p>(71) Akvadesign AS (21) 2019202588 (22) 15.04.2019 (54) Coupling for securing an enclosure in a fish pen to a buoyancy body (62) 2017228216</p> <hr/> <p>(71) Akvadesign AS (21) 2019202589 (22) 15.04.2019 (54) Coupling provided with a coupling body for securing an enclosure in a fish pen to a buoyancy body (62) 2017228216</p> <hr/> <p>(71) AlderBio Holdings LLC; The University of Iowa Research Foundation (21) 2019202643 (22) 16.04.2019 (54) Use of anti-CGRP or anti-CGRP-R antibodies or antibody fragments to treat or prevent chronic and acute forms of diarrhea (62) 2017239524</p> <hr/> <p>(71) Alexander Wilser GmbH (21) 2019202476 (22) 09.04.2019 (54) Adorning element and method for manufacturing the same (62) 2015345548</p> <hr/> <p>(71) Align Technology, Inc. (21) 2019202513 (22) 10.04.2019 (54) TREATMENT PLAN SPECIFIC BITE ADJUSTMENT STRUCTURES (62) 2015220534</p> <hr/> <p>(71) Alkermes Pharma Ireland Limited (21) 2019202633 (22) 16.04.2019</p>	<p>(54) Pharmaceutical compositions comprising sorbitan esters (62) 2017204486</p> <hr/> <p>(71) Allergan, Inc. (21) 2019202511 (22) 10.04.2019 (54) Androgen composition for treating an ophthalmic condition (62) 2017228623</p> <hr/> <p><b>Alyce, B.G. see Gibson, R.</b> (21) 2019202522</p> <hr/> <p>(71) Amana Future, LLC (21) 2019202659 (22) 16.04.2019 (54) Communication tracking and billing system (62) 2012352151</p> <hr/> <p>(71) Andrew Wireless Systems GmbH (21) 2019202660 (22) 16.04.2019 (54) CONFIGURATION SUB-SYSTEM FOR TELECOMMUNICATION SYSTEMS (62) 2017202008</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2019202504 (22) 10.04.2019 (54) Chip measurement system (62) 2017228528</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2019202529 (22) 11.04.2019 (54) CARD SHOE APPARATUS AND TABLE GAME SYSTEM (62) 2017225160</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2019202581 (22) 15.04.2019 (54) CARD GAME SYSTEM AND A METHOD OF A TABLE GAME (62) 2017279574</p> <hr/> <p>(71) Angros, L. (21) 2019202560 (22) 12.04.2019 (54) MULTIPLEXED MICROSCOPE SLIDE STAINING APPARATUS (62) 2018200116</p> <hr/> <p>(71) ANTONY, B. (21) 2019202625 (22) 16.04.2019</p>	<p>(54) A medicinal composition of extract of seed of Emblica officinalis and method of preparing the same (62) 2017201569</p> <hr/> <p>(71) Apple Inc. (21) 2019202553 (22) 12.04.2019 (54) Handsfree beam pattern configuration (62) 2018200212</p> <hr/> <p>(71) Aratana Therapeutics NV (21) 2019202510 (22) 10.04.2019 (54) Eye drop composition (62) 2017202421</p> <hr/> <p>(71) Architex Corporation Pty Limited (21) 2019202455 (22) 09.04.2019 (54) A MEMBRANE ROOF SYSTEM FOR BUILDINGS</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019202457 (22) 09.04.2019 (54) Gaming System and Method for Modifying a Wager Game (62) 2017251737</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019202487 (22) 09.04.2019 (54) SYSTEMS AND METHODS FOR COMMUNICATIONS BETWEEN ELECTRONIC GAMING MACHINES, A PROGRESSIVE SYSTEM SERVER, AND OVERHEAD SIGNAGE (31) 15/948,527 (32) 09.04.18 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019202557 (22) 12.04.2019 (54) GAMING MACHINE AND METHOD FOR DISPLAYING A FREE SPIN COUNT-UP (31) 15/951,802 (32) 12.04.18 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019202567 (22) 12.04.2019 (54) OVERHEAD DISPLAY ASSEMBLY AND METHOD FOR ELECTRONIC GAMING MACHINES (31) 15/952,757 (32) 13.04.18 (33) US</p>
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- (71) Aristocrat Technologies Australia Pty Limited  
(21) 2019202666 (22) 16.04.2019  
(54) MULTI-CABINET GAME BUILD AND GAMING MACHINES USING SAME  
(31) 62/659,011 (32) 17.04.18 (33) US  
16/384,008 15.04.19 US
- 
- (71) Avery Dennison Corporation  
(21) 2019202531 (22) 11.04.2019  
(54) Heat activated shrink films  
(62) 2018203060
- 
- (71) BASF Corporation  
(21) 2019202497 (22) 10.04.2019  
(54) Novel treated mineral pigments for aqueous based barrier coatings  
(62) 2016253622
- 
- Baxalta GmbH see Baxalta Incorporated**  
(21) 2019202459
- 
- (71) Baxalta Incorporated; Baxalta GmbH  
(21) 2019202459 (22) 09.04.2019  
(54) TREATMENT OF ALZHEIMER'S DISEASE SUBPOPULATIONS WITH POOLED IMMUNOGLOBULIN G  
(62) 2014262890
- 
- (71) Bayer Healthcare LLC  
(21) 2019202663 (22) 16.04.2019  
(54) Short-acting Factor VII polypeptides  
(62) 2013370522
- 
- (71) BELLAMY, D.  
(21) 2019202503 (22) 10.04.2019  
(54) Article dispensing arrangement  
(31) 2018901917 (32) 30.05.18 (33) AU
- 
- (71) BioAtla, LLC  
(21) 2019202536 (22) 11.04.2019  
(54) Discovering and producing conditionally active biologic proteins in the same eukaryotic cell production hosts  
(62) 2015311911
- 
- (71) BioDelivery Sciences International, Inc.  
(21) 2019202602 (22) 15.04.2019  
(54) Transmucosal drug delivery devices for use in chronic pain relief  
(62) 2017258916
- 
- (71) Bioniz, LLC  
(21) 2019202527 (22) 11.04.2019  
(54) Compositions and methods for modulating gamma-c-cytokine activity  
(62) 2017200489
- 
- (71) Biosense Webster (Israel) Ltd.  
(21) 2019202481 (22) 09.04.2019
- (71) Reducing breast implant weight using chemically produced foam filling  
(31) 16/248,429 (32) 15.01.19 (33) US  
62/658,896 17.04.18 US
- 
- (71) Bioverativ Therapeutics Inc.  
(21) 2019202656 (22) 16.04.2019  
(54) Factor VIII polypeptide formulations  
(62) 2014228506
- 
- (71) Board of Regents, The University of Texas System  
(21) 2019202514 (22) 10.04.2019  
(54) CHIMERIC ANTIGEN RECEPTORS AND METHODS OF MAKING  
(62) 2015218239
- 
- (71) Boehringer Ingelheim International GmbH  
(21) 2019202568 (22) 12.04.2019  
(54) Therapeutic uses of empagliflozin  
(62) 2014247091
- 
- (71) Boyden, M.  
(21) 2019202615 (22) 15.04.2019  
(54) A DOUBLE-GLAZED WINDOW OR DOOR ASSEMBLY  
(62) 2014273834
- 
- (71) Breville Pty Limited  
(21) 2019202537 (22) 11.04.2019  
(54) Control of heating elements  
(62) 2016240388
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- (71) Breville Pty Limited  
(21) 2019202640 (22) 16.04.2019  
(54) Adjustable portafilter and grind adjustment  
(62) 2014334495
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- (71) Britax Child Safety Inc  
(21) 2019202525 (22) 11.04.2019  
(54) FORWARD AND REARWARD FACING CHILD SEAT WITH BELT TENSIONING MECHANISM FOR IMPROVED INSTALLATION  
(62) 2017200416
- 
- (71) Cadds Group Pty Ltd  
(21) 2019202654 (22) 16.04.2019  
(54) Shaft Handler Attachment  
(31) 2018901738 (32) 18.05.18 (33) AU
- 
- (71) CardinalCommerce Corporation  
(21) 2019202629 (22) 16.04.2019  
(54) Authentication platform for pin debit issuers  
(62) 2013221800
- 
- (71) Cassalia, B.  
(21) 2019202484 (22) 09.04.2019
- (71) Orthodontic wire alignment system and method  
(62) 2014248044
- 
- (71) Chunan Liyi Cup Co., Ltd.  
(21) 2019202638 (22) 16.04.2019  
(54) A fixable children plate  
(31) 2019102464198 (32) 29.03.19 (33) CN
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- (71) COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD.  
(21) 2019202563 (22) 12.04.2019  
(54) PLASTIC ANCHOR FOR DRYWALL, PLASTER, BRICK, CONCRETE, ETC.  
(62) 2017200810
- 
- (71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2019202534 (22) 11.04.2019  
(54) FUEL SYSTEM FOR DIESEL ENGINES USING CARBONACEOUS AQUEOUS SLURRY AND EMULSION FUELS  
(31) 2018901502 (32) 03.05.18 (33) AU
- 
- (71) Constant, P.; Marsh, A.  
(21) 2019202505 (22) 10.04.2019  
(54) TELEPRESENCE SYSTEM AND METHOD  
(31) 2018901213 (32) 12.04.18 (33) AU
- 
- (71) Covidien LP  
(21) 2019202569 (22) 12.04.2019  
(54) Catheter with tapering outer diameter  
(62) 2016271022
- 
- (71) Critical Care Diagnostics, Inc.  
(21) 2019202597 (22) 15.04.2019  
(54) METHODS FOR PREDICTING RISK OF DEVELOPING HYPERTENSION  
(62) 2013302451
- 
- (71) Csorba, G.  
(21) 2019202463 (22) 09.04.2019  
(54) Peg manipulation device  
(31) 2018901432 (32) 30.04.18 (33) AU
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- (71) Curatolo, J.  
(21) 2019202490 (22) 09.04.2019  
(54) SPIRIT OF THE GAME. A Collective Responsibility Scoring Model
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- (71) Dai Nippon Printing Co., Ltd.  
(21) 2019202468 (22) 09.04.2019  
(54) Intermediate transfer medium  
(62) 2017202525
- 
- (71) Deere & Company  
(21) 2019202477 (22) 09.04.2019

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(54) Seeding machine to provide transverse tramlines  
 (31) 62/669,018 (32) 09.05.18 (33) US  
 16/298,689 11.03.19 US

(71) Deere & Company  
 (21) 2019202564 (22) 12.04.2019  
 (54) Seeding system  
 (31) 15/979,027 (32) 14.05.18 (33) US

(71) Deere & Company; Ribouleau Monosem  
 (21) 2019202627 (22) 16.04.2019  
 (54) Method and machine for plant cultivation on a field  
 (31) 62/671,936 (32) 15.05.18 (33) US  
 16/356,649 18.03.19 US

(71) Dexcom, Inc.  
 (21) 2019202621 (22) 16.04.2019  
 (54) Distributed system architecture for continuous glucose monitoring  
 (62) 2016261830

(71) Dexcom, Inc.  
 (21) 2019202622 (22) 16.04.2019  
 (54) Compatibility check for continuous glucose monitoring application  
 (62) 2016348259

(71) Dometic Sweden AB  
 (21) 2019202512 (22) 10.04.2019  
 (54) Air distribution apparatus  
 (31) 2018901268 (32) 16.04.18 (33) AU

(71) Dow Global Technologies LLC  
 (21) 2019202559 (22) 12.04.2019  
 (54) TREATMENT OF AQUEOUS MINERAL SUSPENSIONS WITH POLYMERIC FLOCCULANTS  
 (62) 2015253129

(71) E. Mishan & Sons, Inc.  
 (21) 2019202506 (22) 10.04.2019  
 (54) Solar disk light with swivel mount  
 (31) 16/231,813 (32) 24.12.18 (33) US

(71) Eaton Intelligent Power Limited  
 (21) 2019202584 (22) 15.04.2019  
 (54) SWITCHGEAR CABINET WITH IMPROVED ARRANGEMENT OF A SHORT-CIRCUIT DEVICE  
 (31) 10 2018 109 016.1 (32) 17.04.18 (33) DE

(71) EGALON, C.  
 (21) 2019202614 (22) 15.04.2019  
 (54) SIDE ILLUMINATED MULTI POINT MULTI PARAMETER OPTICAL FIBER SENSOR  
 (62) 2017204902

(71) Elcam Medical Agricultural Cooperative Association Ltd.  
 (21) 2019202474 (22) 09.04.2019  
 (54) Injector  
 (62) 2017200017

(71) EMBERTEC PTY LTD  
 (21) 2019202595 (22) 15.04.2019  
 (54) SYSTEM AND METHOD FOR INCREASING APPLIANCE CONTROL IN AN ELECTRICITY GRID  
 (31) 2018901804 (32) 23.05.18 (33) AU

(71) Equalaire Systems, Inc.  
 (21) 2019202612 (22) 15.04.2019  
 (54) Valve assembly  
 (62) 2015274772

(71) ERICO International Corporation  
 (21) 2019202644 (22) 16.04.2019  
 (54) Disconnect splice block and modular surge device  
 (62) 2015217102

Ethris GmbH see Translate Bio, Inc.  
 (21) 2019202582

(71) Expro Americas, LLC  
 (21) 2019202594 (22) 15.04.2019  
 (54) Control system for a well drilling platform with remote access  
 (31) 16/296,668 (32) 08.03.19 (33) US

(71) ExxonMobil Upstream Research Company  
 (21) 2019202596 (22) 15.04.2019  
 (54) System and method for a stoichiometric exhaust gas recirculation gas turbine system  
 (62) 2014379485

(71) F. Hoffmann-La Roche AG; GENENTECH, INC.  
 (21) 2019202461 (22) 09.04.2019  
 (54) Processes for the preparation of pyrimidinylcyclopentane compounds  
 (62) 2014348570

(71) F. Hoffmann-La Roche AG  
 (21) 2019202556 (22) 12.04.2019  
 (54) Oligomers and oligomer conjugates  
 (62) 2015260991

(71) Forced Physics LLC  
 (21) 2019202493 (22) 09.04.2019  
 (54) ASSEMBLY AND METHOD FOR COOLING  
 (62) 2015219078

(71) Forced Physics LLC  
 (21) 2019202532 (22) 11.04.2019

(54) METHOD AND APPARATUS FOR CONTROL OF FLUID TEMPERATURE AND FLOW  
 (62) 2017216454

(71) Fractyl Laboratories, Inc.  
 (21) 2019202452 (22) 09.04.2019  
 (54) INJECTATE DELIVERY DEVICES, SYSTEMS AND METHODS  
 (62) 2015236268

(71) FRITZ SCHÄFER GMBH  
 (21) 2019202657 (22) 16.04.2019  
 (54) Waste bin with an injection molded plastic body  
 (62) 2015248958

(71) FUGUE, INC  
 (21) 2019202562 (22) 12.04.2019  
 (54) System and method for providing a secure computational environment  
 (62) 2013306094

(71) Fuji Xerox Co., Ltd.  
 (21) 2019202620 (22) 16.04.2019  
 (54) Display control device, image forming apparatus, display control method, and program  
 (62) 2017210496

(71) Galbiati, P.  
 (21) 2019202637 (22) 16.04.2019  
 (54) SISTEMA DI TRASPORTO ED EROGAZIONE DI SOSTANZE LIQUIDE O VISCOSE  
 (31) 00478/18 (32) 16.04.18 (33) CH  
 102018000004543 16.04.18 IT

(71) Gallagher, K.  
 (21) 2019202546 (22) 11.04.2019  
 (54) This invention is a 'fold-a-way' compact Concrete Sewer or Stormwater Lid or Manhole Cover, Lifter. The device fits inside a PVC tube 100mm dia and all up weighs approx 6.5 kgs. Its light weight for field inspections to find blockages or just for routine maintenance inspection. It is operated manually or with the aid of a cordless drill. Its intended use is to crack and lift the lid just enough to get an Infra Red camera for video and picture The design need is to reduce work related back and body injuries from the normal practice of manually lifting these very heavy lids.

(71) GE Global Sourcing LLC  
 (21) 2019202616 (22) 16.04.2019  
 (54) CONTROL SYSTEM AND METHOD FOR VEHICLES WITH DYNAMIC BRAKING  
 (31) 62/663,761 (32) 27.04.18 (33) US

Complete Applications Filed - Name Index cont'd

**GENENTECH, INC. see F. Hoffmann-La Roche AG**  
**(21)** 2019202461

**(71)** GENENTECH, INC.  
**(21)** 2019202464 **(22)** 09.04.2019  
**(54)** Formulations with reduced oxidation  
**(62)** 2014243700

**(71)** GE Video Compression, LLC  
**(21)** 2019202551 **(22)** 12.04.2019  
**(54)** Low delay picture coding  
**(62)** 2016259446

**(71)** Gibson, R.; Oliver Thomas, B.; Alyce, B.G.  
**(21)** 2019202522 **(22)** 11.04.2019  
**(54)** A Building Frame  
**(31)** 741629 **(32)** 13.04.18 **(33)** NZ

**(71)** GlaxoSmithKline Biologicals SA  
**(21)** 2019202649 **(22)** 16.04.2019  
**(54)** METHOD OF TREATMENT  
**(62)** 2015359503

**(71)** Global Manufacturing, Inc.  
**(21)** 2019202580 **(22)** 13.04.2019  
**(54)** BLAST AERATOR WITH PLUNGER VALVE CONTROLLED BY AN EXTERNAL ACTUATOR  
**(31)** 62/664,492 **(32)** 30.04.18 **(33)** US

**(71)** Graco Minnesota Inc.  
**(21)** 2019202483 **(22)** 09.04.2019  
**(54)** Pulseless positive displacement pump and method of pulselessly displacing fluid  
**(62)** 2014381624

**(71)** GTECH Canada ULC  
**(21)** 2019202619 **(22)** 16.04.2019  
**(54)** Enhancements to Game Components in Gaming Systems  
**(62)** 2014227453

**(71)** Guangzhou KAGE Power Industry Co., Ltd; Guangzhou Mintong Trading Co., Ltd  
**(21)** 2019202573 **(22)** 12.04.2019  
**(54)** A HYBRID BATTERY  
**(31)** 201811160587.7 **(32)** 30.09.18 **(33)** CN

**(71)** Guangzhou KAGE Power Industry Co., Ltd; Guangzhou Mintong Trading Co., Ltd  
**(21)** 2019202576 **(22)** 12.04.2019  
**(54)** BATTERY COVERING STRUCTURE WITH REPLACEABLE TERMINALS  
**(31)** 201811162672.7 **(32)** 30.09.18 **(33)** CN

**Guangzhou Mintong Trading Co., Ltd see Guangzhou KAGE Power Industry Co., Ltd**  
**(21)** 2019202573

**Guangzhou Mintong Trading Co., Ltd see Guangzhou KAGE Power Industry Co., Ltd**  
**(21)** 2019202576

**Hager Electro GmbH & Co. KG see Hager-Electro SAS**  
**(21)** 2019202456

**Hager Electro GmbH & Co. KG see Hager-Electro SAS**  
**(21)** 2019202462

**Hager Electro GmbH & Co. KG see Hager-Electro SAS**  
**(21)** 2019202465

**Hager Electro GmbH & Co. KG see Hager-Electro SAS**  
**(21)** 2019202467

**Hager Electro GmbH & Co. KG see Hager-Electro SAS**  
**(21)** 2019202482

**(71)** Hager-Electro SAS; Hager Electro GmbH & Co. KG  
**(21)** 2019202456 **(22)** 09.04.2019  
**(54)** Method for positioning an electric vehicle on a charging spot and related charging spot  
**(31)** 18305425.3 **(32)** 10.04.18 **(33)** EP

**(71)** Hager-Electro SAS; Hager Electro GmbH & Co. KG  
**(21)** 2019202462 **(22)** 09.04.2019  
**(54)** Charger plug for an electric vehicle charging station, said charging station comprising said charger plug and a charging receiver for an electric vehicle  
**(31)** 18305426.1 **(32)** 10.04.18 **(33)** EP

**(71)** Hager-Electro SAS; Hager Electro GmbH & Co. KG  
**(21)** 2019202465 **(22)** 09.04.2019  
**(54)** Charger plug and charging receiver  
**(31)** 18305424.6 **(32)** 10.04.18 **(33)** EP

**(71)** Hager-Electro SAS; Hager Electro GmbH & Co. KG  
**(21)** 2019202467 **(22)** 09.04.2019  
**(54)** Charger plug for supplying electric energy to an electric vehicle, charging station comprising said charger plug, charging receiver for an electric vehicle and method for connecting said charging receiver and said charger plug  
**(31)** 18305428.7 **(32)** 10.04.18 **(33)** EP

**(71)** Hager-Electro SAS; Hager Electro GmbH & Co. KG  
**(21)** 2019202482 **(22)** 09.04.2019  
**(54)** Mechanical device for charging station  
**(31)** 18305429.5 **(32)** 10.04.18 **(33)** EP

**(71)** Hahn, E.  
**(21)** 2019202478 **(22)** 09.04.2019  
**(54)** Processes for metal ions removal of from aqueous solutions  
**(62)** 2016277676

**(71)** Hangzhou Kangyan Stationery Co., Ltd.  
**(21)** 2019202578 **(22)** 12.04.2019  
**(54)** an auto-storage USB (Universal Serial Bus) desk fan  
**(31)** 2019102728586 **(32)** 04.04.19 **(33)** CN

**(71)** Hangzhou Kangyan Stationery Co., Ltd.  
**(21)** 2019202667 **(22)** 16.04.2019  
**(54)** A USB desk fan for convenient and rapid cleaning  
**(31)** 2019102775500 **(32)** 08.04.19 **(33)** CN

**(71)** Hangzhou Mulin Eyewear Co., Ltd.  
**(21)** 2019202489 **(22)** 09.04.2019  
**(54)** An eyeglass case with storage function  
**(31)** 2019102464963 **(32)** 29.03.19 **(33)** CN

**(71)** Hart, J.  
**(21)** 2019202502 **(22)** 10.04.2019  
**(54)** Hydrogen consumption internal combustion engine  
**(31)** 2018901313 **(32)** 20.04.18 **(33)** AU

**(71)** Hill-Rom Services, Inc.  
**(21)** 2019202495 **(22)** 10.04.2019  
**(54)** Patient risk assessment based on data from multiple sources in a healthcare facility  
**(31)** 62/655,385 **(32)** 10.04.18 **(33)** US

**(71)** HRB Innovations, Inc.  
**(21)** 2019202554 **(22)** 12.04.2019  
**(54)** Context-aware field value suggestions  
**(62)** 2017201369

**(71)** Hunter Douglas Inc.  
**(21)** 2019202613 **(22)** 15.04.2019  
**(54)** A hem bar for use with an architectural-structure covering  
**(31)** 62/660,459 **(32)** 20.04.18 **(33)** US

**(71)** Illinois Tool Works Inc.  
**(21)** 2019202516 **(22)** 10.04.2019  
**(54)** Bracket for forming a tie-down connection between a truss in a wall and a structure above or below the wall  
**(62)** 2017203885

Complete Applications Filed - Name Index cont'd

<p>(71) Immatics Biotechnologies GmbH (21) 2019202561 (22) 12.04.2019 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST VARIOUS TUMORS (62) 2016239920</p>	<p>(54) A travel glasses case (31) 2019102678089 (32) 03.04.19 (33) CN</p>	<p>(71) LG Electronics Inc. (21) 2019202630 (22) 16.04.2019 (54) Dish Washer (62) 2016216271</p>
<p>(71) Immij Pty Ltd (21) 2019202486 (22) 09.04.2019 (54) CONTAINER LABEL, ASSEMBLY, AND USE OF A CONTAINER LABEL (31) N2020735 (32) 09.04.18 (33) NL</p>	<p>(71) Jiashan County Hanlin Glasses Co., Ltd. (21) 2019202543 (22) 11.04.2019 (54) A pair of demisting glasses (31) 2019102585262 (32) 01.04.19 (33) CN</p>	<p>(71) LifeCell Corporation (21) 2019202651 (22) 16.04.2019 (54) Processed adipose tissue (62) 2017203367</p>
<p>(71) ImmunoGen, Inc. (21) 2019202611 (22) 15.04.2019 (54) Methods for increasing efficacy of FOLR1 cancer therapy (62) 2017202927</p>	<p>(71) Kaak Groep B.V. (21) 2019202558 (22) 12.04.2019 (54) APPARATUS AND METHOD FOR THE INDUSTRIAL MANUFACTURE OF BAKERY PRODUCTS (31) 2020763 (32) 13.04.18 (33) NL</p>	<p>(71) Linde Aktiengesellschaft (21) 2019202524 (22) 11.04.2019 (54) Method for cryogenic separation of air, and air separation plant (31) 18020162.6 (32) 19.04.18 (33) EP</p>
<p>(71) Inguz Harvest Pty Ltd (21) 2019202496 (22) 10.04.2019 (54) An Improved Food Storage System</p>	<p><b>Kabushiki Kaisha Toshiba see Toshiba Energy Systems &amp; Solutions Corporation</b> (21) 2019202469</p>	<p>(71) Magenta Medical Ltd. (21) 2019202647 (22) 16.04.2019 (54) Renal pump (62) 2018202920</p>
<p>(71) inRegen (21) 2019202548 (22) 12.04.2019 (54) Cell-scaffold constructs (62) 2017218921</p>	<p>(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems &amp; Solutions Corporation (21) 2019202480 (22) 09.04.2019 (54) Stator of rotating electrical machine and method of manufacturing stator of rotating electrical machine (31) 2018-075434 (32) 10.04.18 (33) JP</p>	<p>(71) Magseis FF LLC (21) 2019202658 (22) 16.04.2019 (54) Land based unit for seismic data acquisition (62) 2017201589</p>
<p>(71) Ionis Pharmaceuticals, Inc. (21) 2019202598 (22) 15.04.2019 (54) COMPOSITIONS AND METHODS FOR MODULATING HBV AND TTR EXPRESSION (62) 2017200950</p>	<p>(71) KABUSHIKI KAISHA TOSHIBA (21) 2019202533 (22) 11.04.2019 (54) Dynamic Image Decoding Device (62) 2017213472</p>	<p>(71) Mahfouz, M. (21) 2019202570 (22) 12.04.2019 (54) Bone reconstruction and orthopedic implants (62) 2014363945</p>
<p>(71) Jiangshan City Heshuo Stationery Co., Ltd. (21) 2019202544 (22) 11.04.2019 (54) A USB desk fan (31) 2019102678375 (32) 03.04.19 (33) CN</p>	<p>(71) Koninklijke Philips N.V. (21) 2019202636 (22) 16.04.2019 (54) Blade set for hair cutting appliance and method for its manufacture (62) 2017208234</p>	<p>(71) Mahfouz, M. (21) 2019202571 (22) 12.04.2019 (54) Bone reconstruction and orthopedic implants (62) 2014363945</p>
<p>(71) Jiangshan City Heshuo Stationery Co., Ltd. (21) 2019202665 (22) 16.04.2019 (54) A PORTABLE USB(UNIVERSAL SERIAL BUS) DESK FAN (31) 2019102775568 (32) 08.04.19 (33) CN</p>	<p>(71) Kop-Coat, Inc. (21) 2019202599 (22) 15.04.2019 (54) SOLUTIONS FOR ENHANCING THE EFFECTIVENESS OF INSECTICIDES AND FUNGICIDES ON LIVING PLANTS AND RELATED METHODS (62) 2015390102</p>	<p><b>Marsh, A. see Constant, P.</b> (21) 2019202505</p>
<p>(71) Jiashan County Hanlin Glasses Co., Ltd. (21) 2019202518 (22) 10.04.2019 (54) A glasses apparatus for facilitating eating noodles (31) 2019102532551 (32) 29.03.19 (33) CN</p>	<p>(71) Kozlovic, L. (21) 2019202605 (22) 15.04.2019 (54) A disposable baby change mat (62) 2017245308</p>	<p>(71) Medos International Sàrl (21) 2019202607 (22) 15.04.2019 (54) Adjustable graft fixation device (62) 2014208205</p>
<p>(71) Jiashan County Hanlin Glasses Co., Ltd. (21) 2019202541 (22) 11.04.2019</p>	<p>(71) Lanxess Deutschland GmbH (21) 2019202466 (22) 09.04.2019 (54) Fungicidal penflufen mixtures (62) 2017245489</p>	<p>(71) Memorial Sloan-Kettering Cancer Center (21) 2019202669 (22) 16.04.2019 (54) SELECTIVE GRP94 INHIBITORS AND USES THEREOF (62) 2014306417</p>
<p>(71) LG Electronics Inc. (21) 2019202618 (22) 16.04.2019 (54) Nozzle for cleaner (31) 10-2018-0050043 (32) 30.04.18 (33) KR</p>	<p>(71) LG Electronics Inc. (21) 2019202618 (22) 16.04.2019 (54) Nozzle for cleaner (31) 10-2018-0050043 (32) 30.04.18 (33) KR</p>	<p>(71) Michaels, S. (21) 2019202540 (22) 11.04.2019</p>

Complete Applications Filed - Name Index cont'd

(54) APPARATUS FOR LIMITING/PRE-VENTING ACCESS TO A REGION OF AN OBJECT  
(31) 2018901204 (32) 11.04.18 (33) AU

(71) Mobilitie, LLC  
(21) 2019202453 (22) 09.04.2019  
(54) SYSTEM AND METHOD FOR SECURE APPLIANCE OPERATION  
(31) 15/948,913 (32) 09.04.18 (33) US

(71) MOLNAR, E.  
(21) 2019202521 (22) 11.04.2019  
(54) LEAF SPRING SYSTEM AND A REINFORCING SPRING FOR A LEAF SPRING SYSTEM  
(62) 2016247125

(71) Navico Holding AS  
(21) 2019202550 (22) 12.04.2019  
(54) CONNECTION AND FEATURES FOR INTERCHANGEABLE NOSECONE FOR A TROLLING MOTOR  
(62) 2018202173

(71) Nevro Corporation  
(21) 2019202635 (22) 16.04.2019  
(54) MODELING POSITIONS OF IMPLANTED DEVICES IN A PATIENT  
(62) 2017225059

(71) New York Air Brake, LLC  
(21) 2019202555 (22) 12.04.2019  
(54) Automatic parking brake for truck mounted brake cylinder  
(62) 2018200798

(71) Nguyen, D.  
(21) 2019202413 (22) 07.04.2019  
(54) IMPROVED CONCRETE ROAD PAVEMENT WITH MORE SUSTAINABILITY BENEFITS  
(31) 2018902152 (32) 17.06.18 (33) AU

(71) Ningbo Jiatai Eyewear Co., Ltd.  
(21) 2019202488 (22) 09.04.2019  
(54) A frame easy for displaying spectacles  
(31) 2019102464183 (32) 29.03.19 (33) CN

(71) Ningbo Ou Tai Jin Stationery Co., Ltd.  
(21) 2019202492 (22) 09.04.2019  
(54) A portable pen bag  
(31) 2019102532566 (32) 29.03.19 (33) CN

(71) Ningbo Ou Tai Jin Stationery Co., Ltd.  
(21) 2019202545 (22) 11.04.2019  
(54) A cleaning device for writing boards  
(31) 2019102678106 (32) 03.04.19 (33) CN

(71) Ningbo Ou Tai Jin Stationery Co., Ltd.  
(21) 2019202547 (22) 11.04.2019

(54) A multifunctional reading device  
(31) 2019102584927 (32) 01.04.19 (33) CN

(71) NIPPON TELEGRAPH AND TELEPHONE CORPORATION  
(21) 2019202523 (22) 11.04.2019  
(54) Spatial image display device  
(62) 2018220129

(71) Novartis AG  
(21) 2019202552 (22) 12.04.2019  
(54) Chemical process for preparing pyrimidine derivatives and intermediates thereof  
(62) 2015385326

Oliver Thomas, B. see Gibson, R.  
(21) 2019202522

(71) Oticon Medical A/S  
(21) 2019202646 (22) 16.04.2019  
(54) Near Infrared Light In Hearing Aid Appliances  
(31) 18168222.0 (32) 19.04.18 (33) EP

(71) PCOR Pty Ltd  
(21) 2019202565 (22) 12.04.2019  
(54) Automotive tray canopy  
(31) 2018901286 (32) 18.04.18 (33) AU

(71) PetroChina Company Limited  
(21) 2019202470 (22) 09.04.2019  
(54) Methods and devices for detecting mercury isotopes in crude oil  
(31) 201811284132.6 (32) 31.10.18 (33) CN

(71) PetroChina Company Limited  
(21) 2019202479 (22) 09.04.2019  
(54) Methods and Devices for detecting mercury isotopes in oil-gas sources  
(31) 201811283982.4 (32) 31.10.18 (33) CN

(71) PetroChina Company Limited  
(21) 2019202485 (22) 09.04.2019  
(54) Methods and Devices for Detecting Mercury Isotopes in Natural Gas  
(31) 201811284109.7 (32) 31.10.18 (33) CN

(71) Pharmacyclics, LLC  
(21) 2019202507 (22) 10.04.2019  
(54) Inhibitors of Bruton's tyrosine kinase  
(62) 2014360446

(71) Pharnext  
(21) 2019202509 (22) 10.04.2019  
(54) New therapeutic approaches for treating Parkinson's disease  
(62) 2018201436

(71) Pinghu Huadeng Cup Industry Co., Ltd.  
(21) 2019202579 (22) 12.04.2019  
(54) A multifunctional thermal insulation cup  
(31) 201910272843X (32) 04.04.19 (33) CN

(71) President and Fellows of Harvard College  
(21) 2019202458 (22) 09.04.2019  
(54) STAPLED AND STITCHED POLYPEPTIDES AND USES THEREOF  
(62) 2014244232

(71) Progress Profiles SpA  
(21) 2019202641 (22) 16.04.2019  
(54) Spacer for laying tiles, bricks and the like with the interposition of gaps  
(31) 102018000005016 (32) 03.05.18 (33) IT

(71) Qilu Normal University  
(21) 2019202475 (22) 09.04.2019  
(54) Sound Hole Pickup  
(31) 2019100812859 (32) 28.01.19 (33) CN

(71) Qingtian Jingjiu Crystal Co., Ltd.  
(21) 2019202668 (22) 16.04.2019  
(54) A crystal refraction indicating clock  
(31) 2019102678360 (32) 03.04.19 (33) CN

(71) Raytheon Company  
(21) 2019202610 (22) 15.04.2019  
(54) METHODS AND APPARATUS FOR DATA COMMUNICATION USING BANDWIDTH MODULATION  
(62) 2016283504

(71) REG Life Sciences, LLC  
(21) 2019202572 (22) 12.04.2019  
(54) Enzyme variants with improved ester synthase properties  
(62) 2013316124

Research Institute for Environmental Innovation (Suzhou), Tsinghua see Tsinghua University  
(21) 2019202626

Ribouleau Monosem see Deere & Company  
(21) 2019202627

(71) Salpietra, J.  
(21) 2019202623 (22) 16.04.2019  
(54) FILTERS, MOUNTS AND METHODS OF MOUNTING FILTERS  
(62) 2014277944

(71) Samsung Electronics Co., Ltd.  
(21) 2019202585 (22) 15.04.2019  
(54) AIR CONDITIONER  
(62) 2016297374

Complete Applications Filed - Name Index cont'd

<p>(71) Samsung Electronics Co., Ltd. (21) 2019202590 (22) 15.04.2019 (54) Display having opaque member disposed in area surrounded by pixels and electronic apparatus having the same (31) 10-2018-0043553 (32) 13.04.18 (33) KR 10-2018-0133600 02.11.18 KR</p>	<p>(71) Snap-on Incorporated (21) 2019202501 (22) 10.04.2019 (54) System and method for indicating torque (31) 62/657,364 (32) 13.04.18 (33) US 16/374,391 03.04.19 US</p>	<p>LATIVE TO OPTICAL POSITION SENSORS (62) 2014227686</p>
<p>(71) Sangamo Therapeutics, Inc. (21) 2019202664 (22) 16.04.2019 (54) T Cell Modifying Compounds And Uses Thereof (62) 2013329186</p>	<p>(71) Solarlytics, Inc. (21) 2019202583 (22) 15.04.2019 (54) Method and system for applying electric fields to multiple solar panels (62) 2017232123</p>	<p>(71) Stryker European Holdings I, LLC (21) 2019202538 (22) 11.04.2019 (54) FEMORAL NAIL WITH ENHANCED BONE CONFORMING GEOMETRY (31) 62/657,279 (32) 13.04.18 (33) US</p>
<p>(71) Schenck Process Australia Pty Limited (21) 2019202617 (22) 16.04.2019 (54) SYSTEM AND METHOD FOR REMOVING EXCESS PARTICULATE MATERIAL FROM A MOVING OPEN TOP CONVEYANCE (31) 2018901650 (32) 14.05.18 (33) AU</p>	<p>(71) Solarlytics, Inc. (21) 2019202591 (22) 15.04.2019 (54) Method and system for applying electric fields to multiple solar panels (62) 2017232123</p>	<p>(71) Synedgen, Inc. (21) 2019202473 (22) 09.04.2019 (54) Methods And Compositions For Disrupting Biofilm Utilizing Chitosan-Derivative Compounds (62) 2017203312</p>
<p>(71) Seattle Genetics, Inc. (21) 2019202530 (22) 11.04.2019 (54) Humanized antibodies to LIV-1 and use of same to treat cancer (62) 2017203851</p>	<p>(71) Solarlytics, Inc. (21) 2019202592 (22) 15.04.2019 (54) Method and system for applying electric fields to multiple solar panels (62) 2017232123</p>	<p>(71) Tata Consultancy Services Limited (21) 2019202632 (22) 16.04.2019 (54) Deep learning techniques based multi-purpose conversational agents for processing natural language queries (31) 201821014473 (32) 16.04.18 (33) IN</p>
<p>(71) Sentreheart, Inc. (21) 2019202655 (22) 16.04.2019 (54) Tissue Ligation devices and tensioning devices therefor (62) 2017201015</p>	<p>(71) SOLARSPACE PTY LTD (21) 2019202639 (22) 16.04.2019 (54) Panel Support System (31) 2018901436 (32) 30.04.18 (33) AU</p>	<p>(71) Terex GB Limited (21) 2019202574 (22) 12.04.2019 (54) SCREENING APPARATUS WITH IMPROVED SCREEN MEDIA (31) 1806489.9 (32) 20.04.18 (33) GB</p>
<p>(71) Seoul National University R &amp; DB Foundation (21) 2019202606 (22) 15.04.2019 (54) C5 antibody and method for preventing and treating complement-related diseases (62) 2014213147</p>	<p>(71) SONG, L. (21) 2019202661 (22) 16.04.2019 (54) Scaffolding Safety Mesh (62) 2017208373</p>	<p>(71) The Boeing Company (21) 2019202460 (22) 09.04.2019 (54) Composite toughening using three dimensional printed thermoplastic pins (31) 15/957,086 (32) 19.04.18 (33) US</p>
<p>(71) SIMONELLI GROUP S.P.A. (21) 2019202528 (22) 11.04.2019 (54) Set comprising a plurality of mutually connected coffee grinders (31) 102018000004860 (32) 26.04.18 (33) IT</p>	<p>(71) Sony Corporation (21) 2019202472 (22) 09.04.2019 (54) Sound processing device and method, and program (62) 2015207271</p>	<p>(71) The Boeing Company (21) 2019202566 (22) 12.04.2019 (54) Folded composite filler (62) 2015200679</p>
<p>(71) Smart Solutions Technologies, S.L. (21) 2019202494 (22) 09.04.2019 (54) ELECTRONIC TEXTILE ASSEMBLY (62) 2016244285</p>	<p>(71) Sony Corporation (21) 2019202539 (22) 11.04.2019 (54) Device and method (62) 2015380881</p>	<p>(71) The Boeing Company (21) 2019202652 (22) 16.04.2019 (54) Thermoplastic cellular network toughened composites (31) 15/957,071 (32) 19.04.18 (33) US</p>
<p>(71) Snap-on Incorporated (21) 2019202499 (22) 10.04.2019 (54) System and method for measuring torque and angle (31) 62/657,359 (32) 13.04.18 (33) US 16/374,384 03.04.19 US</p>	<p>(71) Strata Products Worldwide, LLC (21) 2019202577 (22) 12.04.2019 (54) Plug for a Void, System and Method (31) 15/993,018 (32) 30.05.18 (33) US</p>	<p>(71) The Boeing Company (21) 2019202653 (22) 16.04.2019 (54) Drop draw/extrude (DD/E) printing method (31) 15/957,050 (32) 18.04.18 (33) US</p>
<p>(71) Stryker Corporation (21) 2019202517 (22) 10.04.2019 (54) Bone mill including a base and a mill head (62) 2017225127</p>	<p>(71) Stryker Corporation (21) 2019202526 (22) 11.04.2019 (54) ASSEMBLY FOR POSITIONING A STERILE SURGICAL DRAPE RE-</p>	<p>(71) The Children's Medical Center Corporation (21) 2019202601 (22) 15.04.2019 (54) CELASTROL AND DERIVATIVES FOR THE TREATMENT OF OBESITY (62) 2015235979</p>



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(71) The Johns Hopkins University  
(21) 2019202508 (22) 10.04.2019  
(54) Reagents and methods for identifying, enriching, and/or expanding antigen-specific T cells  
(62) 2015317712

(71) THE LUBRIZOL CORPORATION  
(21) 2019202575 (22) 12.04.2019  
(54) METHODS AND COMPOSITIONS THAT PROVIDE DETERGENCY  
(62) 2017201141

(71) The Regents of the University of Michigan  
(21) 2019202604 (22) 15.04.2019  
(54) Small molecule inhibitors of EGFR and PI3K  
(62) 2015362670

(71) The Trustees of the University of Pennsylvania  
(21) 2019202628 (22) 16.04.2019  
(54) Influenza nucleic acid molecules and vaccines made therefrom  
(62) 2017201425

(71) The Trustees of the University of Pennsylvania  
(21) 2019202634 (22) 16.04.2019  
(54) ISG15 and its use as an adjuvant  
(62) 2016235437

The University of Iowa Research Foundation see AlderBio Holdings LLC  
(21) 2019202643

(71) ThyssenKrupp AG  
(21) 2019202471 (22) 09.04.2019  
(54) Plant complex for steel production and method for operating the plant complex  
(62) 2014361208

(71) Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba  
(21) 2019202469 (22) 09.04.2019  
(54) Acidic gas absorbent, acidic gas removal method and acidic gas removal apparatus  
(31) 2018-173955 (32) 18.09.18 (33) JP

Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba  
(21) 2019202480

(71) Transdev Group  
(21) 2019202500 (22) 10.04.2019  
(54) Electronic device and method for monitoring a road intersection zone for autonomous motor vehicle(s), related computer program  
(31) 18 53096 (32) 10.04.18 (33) FR

(71) Translate Bio, Inc.; Ethris GmbH  
(21) 2019202582 (22) 15.04.2019  
(54) CFTR MRNA COMPOSITIONS AND RELATED METHODS AND USES  
(62) 2014236305

(71) Trinity Bay Equipment Holdings, LLC  
(21) 2019202648 (22) 16.04.2019  
(54) Real time integrity monitoring of on-shore pipes  
(62) 2015413844

(71) Tsinghua University; Research Institute for Environmental Innovation (Suzhou), Tsinghua  
(21) 2019202626 (22) 16.04.2019  
(54) Method for synthesizing sodium zirconate and application thereof  
(31) 2018115606597 (32) 20.12.18 (33) CN

(71) Turnstone Limited Partnership  
(21) 2019202515 (22) 10.04.2019  
(54) Vaccine composition  
(62) 2014221143

(71) United Services Automobile Association (USAA)  
(21) 2019202631 (22) 16.04.2019  
(54) TOGGLING BIOMETRIC AUTHENTICATION  
(62) 2015382365

(71) UOP LLC  
(21) 2019202603 (22) 15.04.2019  
(54) PYROLYTIC REACTOR AND METHOD OF USING  
(62) 2016282478

(71) Valsch Dynamic Mechtronics Ltd.  
(21) 2019202608 (22) 15.04.2019  
(54) An Independent Rear Suspension System  
(31) 107212111 (32) 04.09.18 (33) TW

(71) VATER, L.  
(21) 2019202609 (22) 15.04.2019  
(54) A PALLET PICKING PLATFORM FOR A PICKER FORKLIFT  
(31) 2018901235 (32) 13.04.18 (33) AU

(71) VOYAGER THERAPEUTICS, INC.  
(21) 2019202498 (22) 10.04.2019  
(54) AADC polynucleotides for the treatment of Parkinson's Disease  
(62) 2015343037

(71) WEST SERVICES, INC.  
(21) 2019202624 (22) 16.04.2019

(54) METHOD AND SYSTEM FOR RELATIONSHIP MANAGEMENT AND INTELLIGENT AGENT  
(62) 2017204517

(71) WHALE LABS PTY LTD  
(21) 2019202414 (22) 07.04.2019  
(54) Bee Venom Collector Mk1

(71) Xyleco, Inc.  
(21) 2019202600 (22) 15.04.2019  
(54) Method And System For Saccharifying And Fermenting A Biomass Feedstock  
(62) 2017210674

(71) Zhuji Hedong Crystal Co., Ltd.  
(21) 2019202491 (22) 09.04.2019  
(54) A crystal cutter  
(31) 2019102464164 (32) 29.03.19 (33) CN

(71) Zhuji Hedong Crystal Co., Ltd.  
(21) 2019202542 (22) 11.04.2019  
(54) A test pen for identifying crystals  
(31) 2019102588576 (32) 01.04.19 (33) CN

(71) Zurn Industries, LLC  
(21) 2019202535 (22) 11.04.2019  
(54) COVER ASSEMBLY AND METHODS  
(31) 62/659,103 (32) 17.04.18 (33) US

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2019202413	Nguyen, D.	2019202516	Illinois Tool Works Inc.
2019202414	WHALE LABS PTY LTD	2019202517	Stryker Corporation
2019202452	Fractyl Laboratories, Inc.	2019202518	Jiashan County Hanlin Glasses Co., Ltd.
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2019202454	Accenture Global Solutions Limited	2019202521	MOLNAR, E.
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2019202475	Qilu Normal University	2019202542	Zhuji Hedong Crystal Co., Ltd.
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2019202480	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2019202547	Ningbo Ou Tai Jin Stationery Co., Ltd.
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2019202487	Aristocrat Technologies Australia Pty Limited	2019202555	New York Air Brake, LLC
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2019202489	Hangzhou Mulin Eyewear Co., Ltd.	2019202557	Aristocrat Technologies Australia Pty Limited
2019202490	Curatolo, J.	2019202558	Kaak Groep B.V.
2019202491	Zhuji Hedong Crystal Co., Ltd.	2019202559	Dow Global Technologies LLC
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2019202514	Board of Regents, The University of Texas System		
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2019202605	Kozlovic, L.		
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2019202653	The Boeing Company		
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2019202655	Sentreheart, Inc.		
2019202656	Bioverativ Therapeutics Inc.		

**Innovation Patent Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 16 Apr 2019 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**Access Technical Centre see The Trustee for ACCESS COVERS AUSTRALIA UNIT TRUST**  
(21) 2019100383

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**Animal, plant & food inspection center, Tianjin Customs District see Tianjin Normal University**  
(21) 2019100393

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**Animal, plant & food inspection center, Tianjin Customs District see Tianjin Normal University**  
(21) 2019100394

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(71) BAMIC VENTURES PTY LTD  
(21) 2019100386 (22) 08.04.2019  
(54) RESILIENT PIVOTAL CONNECTION  
The invention will be described with reference to a clothes peg by way of example only. Other examples of the invention may suit entirely different applications.  
(31) 2018901282 (32) 17.04.18 (33) AU

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(71) Ben Meir, I.  
(21) 2019100384 (22) 08.04.2019  
(54) Bi-directional toy and methods of use  
(62) 2016207702

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(71) BIS Industries Limited  
(21) 2019100395 (22) 11.04.2019  
(54) Heavy Haul Vehicle  
(31) 2018901201 (32) 11.04.18 (33) AU

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**Center for Disease Prevention and Control of Chinese PLA see Tianjin Normal University**  
(21) 2019100393

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**Center for Disease Prevention and Control of Chinese PLA see Tianjin Normal University**  
(21) 2019100394

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**China National Center for Food Safety Risk Assessment see Tianjin Normal University**  
(21) 2019100393

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**China National Center for Food Safety Risk Assessment see Tianjin Normal University**  
(21) 2019100394

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**Chinese Academy of Inspection and Quarantine see Tianjin Normal University**  
(21) 2019100393

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**Chinese Academy of Inspection and Quarantine see Tianjin Normal University**  
(21) 2019100394

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(71) Conway, R.  
(21) 2019100390 (22) 10.04.2019  
(54) greyhound race box machine to position the race boxes onto a race track then return the greyhound race boxes to a rest position off the race track

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(71) EAA Research Engineer Pty Ltd  
(21) 2019100397 (22) 11.04.2019  
(54) PANEL FOR A BUILDING STRUCTURE, A BUILDING SYSTEM AND A BUILDING STRUCTURE HAVING THE BUILDING PANEL  
(62) 2013384881

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(71) Engineered Hardware Products Pty Ltd  
(21) 2019100405 (22) 12.04.2019  
(54) MARKINGS FOR BRACKET INSTALLATION APERTURES

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(71) Fashion Biz Limited  
(21) 2019100387 (22) 09.04.2019  
(54) Medical garment

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(71) HARTGE-HAZELMAN, B.  
(21) 2019100279 (22) 15.03.2019  
(54) The Women's Index (also known as The Financy Women's Index) tracks and measures the financial/economic progress/wellbeing of women each quarter (4 times a year published). It started in Australia and achieves an Index score by using data on women across education, employment, leadership, earnings and wealth. It is underpinned by government and industry statistics provided to Financy (Bianca Hartge-Hazelman ABN: 74154685986). The Women's Index also publishes a Progress Target which is an aspirational goal on economic/financial equality.

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(71) HEADWAY INFORMATION SERVICES PTY LTD; YANGO PTY LTD  
(21) 2019100401 (22) 12.04.2019  
(54) South East Asia Trading System

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(71) Howship, B.  
(21) 2019100392 (22) 11.04.2019  
(54) Automatic Transmitting Simulation Emitter  
(31) 2017904673 (32) 19.11.17 (33) AU

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(71) Ilsa S.r.l.  
(21) 2019100398 (22) 12.04.2019  
(54) JUG  
(31) 202018000002693 (32) 07.06.18 (33) IT

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(71) Jackson Trademark Holdings Pty Limited  
(21) 2019100388 (22) 09.04.2019  
(54) Protection circuit  
(31) 2018901165 (32) 09.04.18 (33) AU

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(71) JAM CORPORATION PTY. LTD.  
(21) 2019100403 (22) 12.04.2019  
(54) LIFTING DEVICE

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(71) JAM CORPORATION PTY. LTD.  
(21) 2019100404 (22) 12.04.2019  
(54) LOG SPLITTER ACCESSORY

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(71) Luth Pty Ltd  
(21) 2019100391 (22) 11.04.2019  
(54) HOLE-CUTTER

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(71) Mainset Pty Limited  
(21) 2019100400 (22) 12.04.2019  
(54) Plumbing Fitting  
(31) 2018904841 (32) 19.12.18 (33) AU

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(71) Murray Books Pty Limited  
(21) 2019100385 (22) 08.04.2019  
(54) 3d Colouring Puzzle 3d Coloring Puzzle

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(71) OXTI CORPORATION  
(21) 2019100406 (22) 12.04.2019  
(54) POWER CARRYING CASE WITH MULTI-DIRECTIONAL PICK-AND-PLACE FUNCTION

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(71) OXTI CORPORATION  
(21) 2019100407 (22) 12.04.2019  
(54) SECURE COMMUNICATION DEVICE

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(71) Powersource Investments Pty Ltd  
(21) 2019100396 (22) 11.04.2019

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Innovation Patent Applications Filed - Name Index cont'd

(54) Launcher mechanism  
 (31) 2018901231 (32) 12.04.18 (33) AU

(71) Shenzhen Cooperation Technology Co., Ltd.

(21) 2019100389 (22) 09.04.2019

(54) POWER MANAGEMENT METHOD, DEVICE AND MICRO-ENERGY POWER SUPPLY DEVICE BASED ON MICRO-ENERGY COLLECTION

(62) PCT/CN2016/111066

(71) SWIFT EQUIPMENT PTY. LTD.

(21) 2019100402 (22) 12.04.2019

(54) A watch mounted safety device that gives the wearer the ability to immediately shut down an elevated work platform or other machinery when they see a hazard.

**Technical Center for Safety of Industrial Products, Tianjin Customs District see Tianjin Normal University**

(21) 2019100393

**Technical Center for Safety of Industrial Products, Tianjin Customs District see Tianjin Normal University**

(21) 2019100394

(71) The Trustee for ACCESS COVERS AUSTRALIA UNIT TRUST; Access Technical Centre

(21) 2019100383 (22) 08.04.2019

(54) SIMPLIFIED I.T.S. PIT COVER AND FRAME

(71) Tianjin Normal University; Animal, plant & food inspection center, Tianjin Customs District; Technical Center for Safety of Industrial Products, Tianjin Customs District; Chinese Academy of Inspection and Quarantine; China National Center for Food Safety Risk Assessment; Center for Disease Prevention and Control of Chinese PLA

(21) 2019100393 (22) 11.04.2019

(54) METHOD FOR DETECTING ALCOHOL COMPONENTS IN ORANGE JUICE THROUGH ONLINE-SOLID-PHASE MICRO-EXTRACTION AND COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY/QUADRUPOLE MASS SPECTROMETER

(71) Tianjin Normal University; Animal, plant & food inspection center, Tianjin Customs District; Technical Center for Safety of Industrial Products, Tianjin Customs District; Chinese Academy of Inspection and Quarantine; China National Center for Food Safety Risk Assessment; Center for Disease Prevention and Control of Chinese PLA

assessment; Center for Disease Prevention and Control of Chinese PLA

(21) 2019100394 (22) 11.04.2019

(54) METHOD FOR DETECTING OLEFIN COMPONENTS IN ORANGE JUICE THROUGH ONLINE-SOLID-PHASE MICRO-EXTRACTION AND COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY/QUADRUPOLE MASS SPECTROMETER

(71) Woods, D.

(21) 2019100399 (22) 12.04.2019

(54) Spiral screw compressor

**YANGO PTY LTD see HEADWAY INFORMATION SERVICES PTY LTD**

(21) 2019100401

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<b>2019100279</b>	HARTGE-HAZELMAN, B.		
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<b>2019100387</b>	Fashion Biz Limited	<b>2019100396</b>	Powersource Investments Pty Ltd
<b>2019100388</b>	Jackson Trademark Holdings Pty Limited	<b>2019100397</b>	EAA Research Engineer Pty Ltd
<b>2019100389</b>	Shenzhen Cooperation Technology Co., Ltd.	<b>2019100398</b>	Ilsa S.r.l.
<b>2019100390</b>	Conway, R.	<b>2019100399</b>	Woods, D.
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		<b>2019100404</b>	JAM CORPORATION PTY. LTD.
		<b>2019100405</b>	Engineered Hardware Products Pty Ltd
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**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

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

The codes next to each number have the following meanings:

**Code Meaning**

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

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

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2001089329 ( 14 )	2001291883 ( 14 )	2001292048 ( 14 )
2001292056 ( 14 )	2001292076 ( 14 )	2001292091 ( 14 )
2001292493 ( 14 )	2001293496 ( 14 )	2001294185 ( 14 )
2001294798 ( 14 )	2001296415 ( 14 )	

**2002**

2002047540 ( 14 )	2002211414 ( 14 )	2002211850 ( 14 )
2002230396 ( 14 )	2002249752 ( 14 )	2002301280 ( 14 )
2002301320 ( 14 )	2002301366 ( 14 )	2002301931 ( 14 )
2002330191 ( 14 )	2002330240 ( 14 )	2002331978 ( 14 )
2002333033 ( 14 )	2002333050 ( 14 )	2002334330 ( 14 )
2002335459 ( 14 )	2002338148 ( 14 )	2002356799 ( 14 )
2002362751 ( 14 )		

**2003**

2003203440 ( 14 )	2003204698 ( 14 )	2003244591 ( 14 )
2003246306 ( 14 )	2003248435 ( 14 )	2003248461 ( 14 )
2003252764 ( 14 )	2003252895 ( 14 )	2003264664 ( 14 )
2003264665 ( 14 )	2003265735 ( 14 )	2003267421 ( 14 )
2003268692 ( 14 )	2003268724 ( 14 )	2003269236 ( 14 )
2003269241 ( 14 )	2003273688 ( 14 )	2003273961 ( 14 )
2003275411 ( 14 )	2003275435 ( 14 )	2003275542 ( 14 )
2003277154 ( 14 )	2003277156 ( 14 )	2003279008 ( 14 )
2003279147 ( 14 )	2003282464 ( 14 )	2003299288 ( 14 )

**2004**

2004200563 ( 14 )	2004212509 ( 14 )	2004214584 ( 14 )
2004214585 ( 14 )	2004216578 ( 14 )	2004216616 ( 14 )
2004216622 ( 14 )	2004216666 ( 14 )	2004218697 ( 14 )
2004218704 ( 14 )	2004220758 ( 14 )	2004275427 ( 14 )
2004276685 ( 14 )	2004277302 ( 14 )	2004277511 ( 14 )
2004278175 ( 14 )	2004278176 ( 14 )	2004278354 ( 14 )
2004278530 ( 14 )	2004279225 ( 14 )	2004279392 ( 14 )
2004280587 ( 14 )	2004284496 ( 14 )	2004285617 ( 14 )
2004307947 ( 14 )	2004315876 ( 14 )	2004324079 ( 14 )

**2005**

2005218001 ( 14 )	2005218016 ( 14 )	2005218023 ( 14 )
2005220162 ( 14 )	2005288925 ( 14 )	2005290368 ( 14 )
2005291008 ( 14 )	2005291280 ( 14 )	2005291727 ( 14 )
2005291846 ( 14 )	2005292102 ( 14 )	2005292229 ( 14 )
2005292984 ( 14 )	2005293082 ( 14 )	2005293163 ( 14 )
2005293881 ( 14 )	2005294105 ( 14 )	2005294313 ( 14 )
2005294317 ( 14 )	2005294373 ( 14 )	2005294492 ( 14 )
2005301083 ( 14 )	2005305296 ( 14 )	2005322561 ( 14 )
2005328560 ( 14 )		

**2006**

2006203231 ( 14 )	2006222713 ( 14 )	2006225193 ( 14 )
2006233163 ( 14 )	2006294546 ( 14 )	2006296350 ( 14 )
2006297112 ( 14 )	2006297950 ( 14 )	2006298639 ( 14 )
2006298641 ( 14 )	2006299588 ( 14 )	2006299737 ( 14 )

2006299741 ( 14 )	2006301582 ( 14 )	2006301890 ( 14 )	2011101322 ( 22 )	2011101778 ( 22 )	2011101781 ( 22 )
2006301914 ( 14 )	2006301950 ( 14 )	2006302363 ( 14 )	2011200578 ( 14 )	2011226930 ( 14 )	2011232774 ( 14 )
2006302511 ( 14 )	2006303016 ( 14 )	2006303343 ( 14 )	2011239269 ( 14 )	2011253696 ( 14 )	2011307614 ( 14 )
2006303921 ( 14 )	2006312244 ( 14 )	2006327194 ( 14 )	2011307742 ( 14 )	2011308134 ( 14 )	2011308202 ( 14 )
2006348699 ( 14 )	2006349035 ( 14 )	2006349143 ( 14 )	2011308550 ( 14 )	2011308576 ( 14 )	2011308621 ( 14 )
2006349157 ( 14 )	2006349274 ( 14 )		2011308775 ( 14 )	2011308881 ( 14 )	2011309689 ( 14 )
<b>2007</b>			2011310548 ( 14 )	2011310561 ( 14 )	2011310664 ( 14 )
2007200488 ( 14 )	2007202243 ( 14 )	2007202270 ( 14 )	2011311433 ( 14 )	2011311558 ( 14 )	2011311560 ( 14 )
2007221862 ( 14 )	2007221866 ( 14 )	2007299934 ( 14 )	2011311696 ( 14 )	2011311847 ( 14 )	2011311936 ( 14 )
2007301083 ( 14 )	2007301598 ( 14 )	2007301599 ( 14 )	2011311946 ( 14 )	2011312206 ( 14 )	2011312475 ( 14 )
2007301686 ( 14 )	2007302621 ( 14 )	2007302882 ( 14 )	2011312504 ( 14 )	2011312907 ( 14 )	2011312946 ( 14 )
2007303195 ( 14 )	2007303459 ( 14 )	2007303610 ( 14 )	2011313368 ( 14 )	2011313585 ( 14 )	2011313780 ( 14 )
2007303824 ( 14 )	2007304489 ( 14 )	2007304490 ( 14 )	2011314422 ( 14 )	2011316161 ( 14 )	2011316455 ( 14 )
2007304880 ( 14 )	2007307183 ( 14 )	2007307184 ( 14 )	2011320007 ( 14 )	2011320899 ( 14 )	2011323040 ( 14 )
2007307865 ( 14 )	2007313956 ( 14 )	2007314433 ( 14 )	2011323041 ( 14 )	2011323042 ( 14 )	2011323043 ( 14 )
2007322328 ( 14 )			2011326347 ( 14 )	2011337296 ( 14 )	2011374895 ( 14 )
			2011377681 ( 14 )	2011378019 ( 14 )	
<b>2008</b>			<b>2012</b>		
2008229732 ( 14 )	2008229763 ( 14 )	2008258161 ( 14 )	2012101258 ( 22 )	2012101479 ( 22E )	2012101508 ( 22E )
2008306580 ( 14 )	2008306652 ( 14 )	2008307004 ( 14 )	2012101956 ( 22E )	2012200392 ( 14 )	2012200920 ( 14 )
2008307046 ( 14 )	2008307144 ( 14 )	2008307152 ( 14 )	2012203682 ( 14 )	2012244071 ( 14 )	2012244248 ( 14 )
2008307471 ( 14 )	2008307818 ( 14 )	2008308723 ( 14 )	2012244249 ( 14 )	2012271905 ( 14 )	2012313971 ( 14 )
2008308849 ( 14 )	2008308950 ( 14 )	2008309380 ( 14 )	2012314039 ( 14 )	2012314230 ( 14 )	2012314327 ( 14 )
2008309596 ( 14 )	2008309660 ( 14 )	2008309924 ( 14 )	2012314345 ( 14 )	2012314390 ( 14 )	2012314421 ( 14 )
2008310311 ( 14 )	2008310519 ( 14 )	2008310962 ( 14 )	2012315569 ( 14 )	2012315709 ( 14 )	2012315718 ( 14 )
2008311072 ( 14 )	2008311079 ( 14 )	2008311147 ( 14 )	2012315728 ( 14 )	2012315789 ( 14 )	2012315792 ( 14 )
2008311154 ( 14 )	2008314196 ( 14 )	2008314197 ( 14 )	2012315863 ( 14 )	2012315897 ( 14 )	2012315905 ( 14 )
2008324695 ( 14 )	2008344019 ( 14 )		2012316022 ( 14 )	2012316028 ( 14 )	2012317177 ( 14 )
			2012318717 ( 14 )	2012319579 ( 14 )	2012320027 ( 14 )
<b>2009</b>			2012320151 ( 14 )	2012320238 ( 14 )	2012320644 ( 14 )
2009222474 ( 14 )	2009222482 ( 14 )	2009222527 ( 14 )	2012320687 ( 14 )	2012320848 ( 14 )	2012320850 ( 14 )
2009222542 ( 14 )	2009222557 ( 14 )	2009222570 ( 14 )	2012320853 ( 14 )	2012321054 ( 14 )	2012321055 ( 14 )
2009222608 ( 14 )	2009222784 ( 14 )	2009230753 ( 14 )	2012321345 ( 14 )	2012321349 ( 14 )	2012321351 ( 14 )
2009238352 ( 14 )	2009298433 ( 14 )	2009298637 ( 14 )	2012323123 ( 14 )	2012323417 ( 14 )	2012324717 ( 14 )
2009298638 ( 14 )	2009298711 ( 14 )	2009298720 ( 14 )	2012326577 ( 14 )	2012330248 ( 14 )	2012336240 ( 14 )
2009299118 ( 14 )	2009299119 ( 14 )	2009299601 ( 14 )	2012364198 ( 14 )	2012391368 ( 14 )	
2009299602 ( 14 )	2009299864 ( 14 )	2009299882 ( 14 )			
2009299885 ( 14 )	2009299888 ( 14 )	2009299927 ( 14 )	<b>2013</b>		
2009300313 ( 14 )	2009300320 ( 14 )	2009300322 ( 14 )	2013100337 ( 22 )	2013100693 ( 22 )	2013100855 ( 22 )
2009300323 ( 14 )	2009300373 ( 14 )	2009300382 ( 14 )	2013100947 ( 22G )	2013101297 ( 22E )	2013101311 ( 22E )
2009300848 ( 14 )	2009300879 ( 14 )	2009301131 ( 14 )	2013101312 ( 22E )	2013200060 ( 14 )	2013200391 ( 14 )
2009301208 ( 14 )	2009301209 ( 14 )	2009301638 ( 14 )	2013201970 ( 14 )	2013204570 ( 14 )	2013205686 ( 14 )
2009301643 ( 14 )	2009302116 ( 14 )	2009302220 ( 14 )	2013205687 ( 14 )	2013234386 ( 4C )	2013234419 ( 14 )
2009302276 ( 14 )	2009302667 ( 14 )	2009304171 ( 14 )	2013237721 ( 14 )	2013237751 ( 14 )	2013248193 ( 14 )
2009309895 ( 14 )	2009340060 ( 14 )	2009353039 ( 14 )	2013263709 ( 5C )	2013312344 ( 5C )	2013315844 ( 5C )
			2013317766 ( 5C )	2013322366 ( 5C )	2013323222 ( 4C )
<b>2010</b>			2013323271 ( 4C )	2013324459 ( 14 )	2013325122 ( 14 )
2010201368 ( 14 )	2010224436 ( 14 )	2010224449 ( 14 )	2013325259 ( 5C )	2013325363 ( 5C )	2013325559 ( 14 )
2010224471 ( 14 )	2010226887 ( 14 )	2010226907 ( 14 )	2013326288 ( 14 )	2013326508 ( 4C )	2013326584 ( 14 )
2010227021 ( 14 )	2010227047 ( 14 )	2010257337 ( 14 )	2013326838 ( 14 )	2013326911 ( 4C )	2013327387 ( 4C )
2010300317 ( 14 )	2010300380 ( 14 )	2010300448 ( 14 )	2013327478 ( 14 )	2013327659 ( 4C )	2013327959 ( 14 )
2010300489 ( 14 )	2010300561 ( 14 )	2010300611 ( 14 )	2013329318 ( 4C )	2013329586 ( 14 )	2013330240 ( 14 )
2010300695 ( 14 )	2010301213 ( 14 )	2010301449 ( 14 )	2013330254 ( 4C )	2013332312 ( 14 )	2013335959 ( 14 )
2010302460 ( 14 )	2010302842 ( 14 )	2010302922 ( 14 )	2013336289 ( 14 )	2013337536 ( 14 )	2013337537 ( 14 )
2010302940 ( 14 )	2010302999 ( 14 )	2010303005 ( 14 )	2013338467 ( 4C )	2013343774 ( 14 )	2013348337 ( 5C )
2010303017 ( 14 )	2010303084 ( 14 )	2010303354 ( 14 )	2013376380 ( 4C )	2013383386 ( 4C )	2013386840 ( 14 )
2010303760 ( 14 )	2010305146 ( 14 )	2010305251 ( 14 )	2013391601 ( 5C )	2013401927 ( 14 )	
2010305311 ( 14 )	2010305343 ( 14 )	2010305367 ( 14 )			
2010305538 ( 14 )	2010305546 ( 14 )	2010306124 ( 14 )	<b>2014</b>		
2010307144 ( 14 )	2010307572 ( 14 )	2010307573 ( 14 )	2014101189 ( 22E )	2014101195 ( 22E )	2014101199 ( 22E )
2010307574 ( 14 )	2010308793 ( 14 )	2010309188 ( 14 )	2014101202 ( 22E )	2014101231 ( 22E )	2014101318 ( 22 )
2010318205 ( 14 )	2010343333 ( 14 )	2010353565 ( 14 )	2014200997 ( 14 )	2014202339 ( 1B )	2014202456 ( 5C )
2010361584 ( 14 )			2014202550 ( 14 )	2014203040 ( 14 )	2014203316 ( 14 )
			2014208263 ( 14 )	2014218872 ( 5C )	2014228434 ( 5C )
<b>2011</b>			2014228784 ( 5C )	2014228911 ( 5C )	2014233018 ( 5C )
2011100357 ( 22 )	2011100361 ( 22 )	2011100369 ( 22 )	2014233649 ( 4B )	2014234105 ( 25D )	2014236687 ( 5C )
2011100371 ( 22 )	2011100372 ( 22 )	2011100377 ( 22 )	2014240219 ( 14 )	2014240223 ( 4B )	2014240226 ( 4A )
2011100379 ( 22 )	2011100390 ( 22 )	2011100393 ( 22 )	2014240257 ( 4C )	2014240269 ( 4A )	2014240274 ( 4B )
2011100394 ( 22 )	2011100410 ( 22 )	2011100412 ( 22 )	2014240318 ( 14 )	2014240319 ( 4C )	2014240336 ( 4B )
2011100420 ( 22 )	2011100423 ( 22 )	2011100424 ( 22 )	2014240340 ( 4B )	2014240351 ( 4C )	2014241201 ( 5C )
2011101257 ( 22E )	2011101292 ( 22E )	2011101321 ( 22 )	2014246585 ( 14 )	2014248044 ( 5C )	2014264380 ( 5C )



2014271350 (1B)	2014277704 (14)	2014278049 (5C)	2016222177 (5C)	2016222807 (5C)	2016225933 (5C)
2014280654 (5C)	2014282843 (5C)	2014286991 (5C)	20162226567 (5C)	2016227625 (1B)	2016227796 (1B)
2014292043 (5C)	2014293727 (5C)	2014295100 (25D)	2016229049 (1B)	2016236272 (1B)	2016236390 (5C)
2014299290 (5C)	2014320379 (5C)	2014324453 (14)	2016239175 (1B)	2016239274 (1B)	2016241924 (1B)
2014324519 (4C)	2014324632 (14)	2014326655 (4C)	2016243116 (1B)	2016243122 (1B)	2016243922 (1B)
2014329393 (4C)	2014329508 (14)	2014329659 (14)	2016244591 (5C)	2016246398 (1B)	2016246802 (1B)
2014330780 (14)	2014331527 (4C)	2014331532 (14)	2016247161 (14)	2016247901 (5C)	2016248017 (5C)
2014331539 (4C)	2014332324 (4C)	2014332360 (14)	2016248235 (5C)	2016248347 (1B)	2016250190 (1B)
2014333607 (4C)	2014333906 (4C)	2014333945 (14)	2016250462 (4C)	2016252387 (5C)	2016258193 (5C)
2014333981 (4C)	2014334010 (4C)	2014334011 (14)	2016259366 (4C)	2016259390 (5C)	2016259451 (5C)
2014334015 (4C)	2014334295 (14)	2014334447 (4C)	2016260789 (1B)	2016262775 (4C)	2016263914 (1B)
2014334502 (4C)	2014334669 (4C)	2014334780 (14)	2016265901 (1B)	2016266002 (4C)	2016266108 (5C)
2014336460 (4C)	2014336474 (14)	2014336604 (4C)	2016267002 (1B)	2016268525 (1B)	2016269493 (4C)
2014339218 (4C)	2014339280 (14)	2014339343 (14)	2016275323 (1B)	2016277187 (1B)	2016277602 (5C)
2014339350 (4C)	2014340558 (4C)	2014340563 (4B)	2016277676 (5C)	2016278034 (5C)	2016298101 (5C)
2014342865 (14)	2014344095 (4C)	2014345890 (4C)	2016298112 (5C)	2016303935 (1B)	2016336315 (5C)
2014346541 (5C)	2014347197 (14)	2014347198 (4C)	2016401125 (12C)		
2014347207 (14)	2014347209 (14)	2014352892 (5C)			
2014361208 (5C)	2014369919 (5C)	2014374395 (14)	<b>2017</b>		
2014374401 (14)	2014388300 (5C)	2014392921 (1B)	2017101095 (22G)	2017200017 (5C)	2017200126 (5C)
2014392933 (1B)	2014393668 (14)	2014395471 (4B)	2017201093 (5C)	2017201133 (5C)	2017201292 (5C)
2014407525 (4C)	2014407569 (4B)	2014407941 (4C)	2017201428 (5C)	2017201449 (5C)	2017201547 (5C)
2014408255 (4B)	2014415278 (5C)		2017201889 (4C)	2017201944 (5C)	2017202073 (4C)
			2017202206 (5C)	2017202278 (5C)	2017202353 (5C)
			2017202470 (5C)	2017202488 (5C)	2017202524 (5C)
			2017202525 (5C)	2017202557 (5C)	2017202588 (5C)
			2017202615 (5C)	2017202656 (5C)	2017202746 (25D)
			2017202757 (5C)	2017202817 (5C)	2017202881 (5C)
			2017203038 (5C)	2017203168 (5C)	2017203204 (4C)
			2017203327 (5C)	2017203350 (5C)	2017203363 (14)
			2017203479 (4C)	2017203759 (5C)	2017203896 (4C)
			2017203955 (5C)	2017204011 (5C)	2017204017 (5C)
			2017204319 (5C)	2017204665 (5C)	2017204837 (5C)
			2017204869 (5C)	2017206200 (4C)	2017208317 (5C)
			2017208318 (5C)	2017210615 (5C)	2017210647 (5C)
			2017213454 (5C)	2017213477 (5C)	2017213498 (5C)
			2017213575 (5C)	2017216452 (4C)	2017216481 (5C)
			2017216505 (5C)	2017218931 (5C)	2017219022 (5C)
			2017219125 (4C)	2017221829 (5C)	2017221873 (5C)
			2017228530 (5C)	2017228614 (5C)	2017228673 (4C)
			2017232063 (16C)	2017232092 (5C)	2017235922 (16C)
			2017235991 (5C)	2017245296 (5C)	2017245311 (4C)
			2017245343 (5C)	2017251824 (5C)	2017254961 (4C)
			2017265056 (5C)	2017265145 (5C)	2017268532 (5C)
			2017272268 (4C)	2017283463 (12A)	2017330524 (12A)

**2015**

2015101353 (21F)	2015101407 (22E)	2015101416 (22E)
2015101895 (22E)	2015200643 (5C)	2015200941 (5C)
2015201785 (1B)	2015201911 (1B)	2015202238 (5C)
2015202269 (1B)	2015202366 (5C)	2015202573 (1B)
2015202946 (1B)	2015203255 (14)	2015207271 (5C)
2015215902 (1B)	2015222262 (5C)	2015230700 (1B)
2015244724 (5C)	2015245947 (5C)	2015247360 (5C)
2015248491 (5C)	2015249265 (1B)	2015249666 (1B)
2015249749 (5C)	2015249751 (1B)	2015249759 (1B)
2015249916 (5C)	2015250060 (1B)	2015250584 (1B)
2015250742 (1B)	2015250841 (1B)	2015251314 (1B)
2015251504 (5C)	2015251555 (1B)	2015252844 (1B)
2015252940 (1B)	2015252962 (1B)	2015252992 (1B)
2015253029 (1B)	2015253042 (1B)	2015253096 (1B)
2015253282 (1B)	2015253468 (1B)	2015253484 (5C)
2015254240 (1B)	2015254241 (1B)	2015254498 (1B)
2015254542 (1B)	2015254669 (1B)	2015254874 (1B)
2015255067 (5C)	2015255208 (14)	2015258201 (14)
2015258341 (1B)	2015260992 (5C)	2015261695 (1B)
2015261697 (1B)	2015265721 (5C)	2015268565 (1B)
2015268827 (1B)	2015269000 (5C)	2015270129 (1B)
2015270955 (1B)	2015271243 (1B)	2015289632 (25D)
2015294883 (5C)	2015301533 (5C)	2015302468 (5C)
2015305836 (1B)	2015316494 (1B)	2015317188 (5C)
2015317465 (1B)	2015320195 (5C)	2015320369 (1B)
2015320956 (1B)	2015321520 (1B)	2015323209 (5C)
2015323391 (1B)	2015323456 (1B)	2015327782 (5C)
2015328459 (5C)	2015328981 (5C)	2015336325 (5C)
2015345548 (5C)	2015352486 (1B)	2015352487 (1B)
2015354340 (1B)	2015354410 (1B)	2015355326 (1B)
2015355644 (1B)	2015357398 (1B)	2015357493 (1B)
2015360671 (1B)	2015360673 (1B)	2015369541 (25D)
2015375404 (5C)	2015390471 (1B)	2015391060 (1B)
2015391458 (1B)	2015393947 (5C)	2015397143 (1B)
2015408257 (5C)	2015411096 (5C)	

**2016**

2016100395 (22G)	2016101730 (22E)	2016101740 (22E)
2016101744 (22E)	2016101749 (22E)	2016101750 (22E)
2016101755 (22E)	2016101758 (22E)	2016101760 (22E)
2016101763 (22E)	2016101764 (22E)	2016101767 (22E)
2016101768 (22G)	2016101772 (22E)	2016101774 (22E)
2016101777 (22E)	2016101779 (22E)	2016203492 (1B)
2016203533 (1B)	2016203796 (1B)	2016203863 (1B)
2016204104 (14)	2016204892 (5C)	2016205258 (25D)
2016206789 (5C)	2016216540 (5C)	2016216743 (5C)
2016217508 (5C)	2016219060 (5C)	2016219879 (5C)

**2017**

2017101095 (22G)	2017200017 (5C)	2017200126 (5C)
2017201093 (5C)	2017201133 (5C)	2017201292 (5C)
2017201428 (5C)	2017201449 (5C)	2017201547 (5C)
2017201889 (4C)	2017201944 (5C)	2017202073 (4C)
2017202206 (5C)	2017202278 (5C)	2017202353 (5C)
2017202470 (5C)	2017202488 (5C)	2017202524 (5C)
2017202525 (5C)	2017202557 (5C)	2017202588 (5C)
2017202615 (5C)	2017202656 (5C)	2017202746 (25D)
2017202757 (5C)	2017202817 (5C)	2017202881 (5C)
2017203038 (5C)	2017203168 (5C)	2017203204 (4C)
2017203327 (5C)	2017203350 (5C)	2017203363 (14)
2017203479 (4C)	2017203759 (5C)	2017203896 (4C)
2017203955 (5C)	2017204011 (5C)	2017204017 (5C)
2017204319 (5C)	2017204665 (5C)	2017204837 (5C)
2017204869 (5C)	2017206200 (4C)	2017208317 (5C)
2017208318 (5C)	2017210615 (5C)	2017210647 (5C)
2017213454 (5C)	2017213477 (5C)	2017213498 (5C)
2017213575 (5C)	2017216452 (4C)	2017216481 (5C)
2017216505 (5C)	2017218931 (5C)	2017219022 (5C)
2017219125 (4C)	2017221829 (5C)	2017221873 (5C)
2017228530 (5C)	2017228614 (5C)	2017228673 (4C)
2017232063 (16C)	2017232092 (5C)	2017235922 (16C)
2017235991 (5C)	2017245296 (5C)	2017245311 (4C)
2017245343 (5C)	2017251824 (5C)	2017254961 (4C)
2017265056 (5C)	2017265145 (5C)	2017268532 (5C)
2017272268 (4C)	2017283463 (12A)	2017330524 (12A)

**2018**

2018100428 (21F)	2018100581 (22E)	2018101158 (21F)
2018200030 (4C)	2018200499 (5C)	2018200592 (5C)
2018200636 (5C)	2018201188 (5C)	2018201270 (4C)
2018201570 (16C)	2018202042 (4C)	2018203451 (4C)
2018901190 (12AN)	2018901211 (12AN)	2018901297 (12AN)

**2019**

2019100051 (18AN)	2019200313 (1B)	2019200389 (1B)
2019200475 (1B)	2019200481 (1B)	2019200483 (1B)
2019200497 (1B)	2019200564 (1B)	2019200625 (1B)
2019200654 (1B)	2019200663 (1B)	

**Assignments before Grant, Section 113**

**2009**

2009330226 MSD Consumer Care, Inc. The application has been assigned to **Bayer Consumer Care AG**

**2013**

2013242835 Argenta Manufacturing Limited The application has been assigned to **Argenta Innovation Limited**

**Assignments before Grant, Section 113**

2013271564 Zoetis LLC The application has been assigned to **Zoetis Services LLC**

**2014**

2014222295 Wu, Zimei; Batt, Laurie; Win, Su; Davies, Keryn; Falconer, James; Gill, David; Cleverly, Douglas The application has been assigned to **Argenta Innovation Limited**

2014228758 ProEventa, Inc. The application has been assigned to **Parallax Behavioral Health, Inc.**

2014260230 Unित्रact Syringe Pty Ltd The application has been assigned to **UNL Holdings LLC**

2014279750 Newcastle Innovation Ltd The application has been assigned to **Translational Research Institute Pty Ltd.**

2014342065 Atrium Medical Corporation; Santos, Stephanie; Labrecque, Roger The application has been assigned to **Atrium Medical Corporation**

2014342646 M2M and IoT Technologies, LLC The application has been assigned to **Network-1 Technologies, Inc.**

2014366344 Somerset Coal International The application has been assigned to **CTL Energy Inc.**

**2015**

2015200900 Gro-Years Investments Pty Limited The application has been assigned to **HBG IP Holding Pty Ltd**

2015212312 Vyome Biosciences Pvt. Ltd. The application has been assigned to **Vyome Therapeutics Limited**

2015215638 Morrow, Desmond; Cleverly, Douglas; Gill, David The application has been assigned to **Argenta Innovation Limited**

2015218449 Groyears Investments Pty Ltd The application has been assigned to **HBG IP Holding Pty Ltd**

2015249301 E. I. du Pont de Nemours and Company The application has been assigned to **SUGAR RESEARCH AUSTRALIA LIMITED**

2015249669 E. I. du Pont de Nemours and Company The application has been assigned to **SUGAR RESEARCH AUSTRALIA LIMITED**

2015264925 Irwin Industrial Tool Company The application has been assigned to **Black & Decker Inc.**

2015274532 Allergan, Inc. The application has been assigned to **Aclaris Therapeutics, Inc.**

2015316601 Pelican Feminine Healthcare Limited The application has been assigned to **Pelispac Limited**

2015369831 Systimmune, Inc. The application has been assigned to **Sichuan Baili Pharmaceutical Co. Ltd.; Systimmune, Inc.**

**Assignments before Grant, Section 113**

2015901626 ALEIS PTY LTD The application has been assigned to **Allflex Australia Pty Limited**

**2016**

2016214011 Boukair, Moe; Boukair, Ronald The application has been assigned to **The Sherwin-Williams Company**

2016217824 Ramlat Limited The application has been assigned to **Delta of Sweden AB**

2016232270 Bayer Pharma Aktiengesellschaft The application has been assigned to **pH Pharma Co. Ltd.**

2016233127 The Texas A&M University System; Teipel, Blake; Nagabandi, Nirup; Yegin, Cengiz; Akbulut, Mustafa The application has been assigned to **The Texas A&M University System**

2016238922 Cleverly, Douglas; Mukhopadhyay, Debashis The application has been assigned to **Argenta Innovation Limited**

2016246740 Busold, Rany; Groom, Jeffrey; Arsenal Medical, Inc.; Mortensen, Jennifer; Webber, Stephanie; Yan, Xuri The application has been assigned to **Arsenal Medical, Inc.**

2016257774 Aleis Pty Ltd The application has been assigned to **Allflex Australia Pty Limited**

2016262609 Arch Chemicals, Inc. The application has been assigned to **Innovative Water Care, LLC**

2016296232 General Electric Company The application has been assigned to **NextStream Emulsifier Enhancer, LLC**

2016304599 Lasergen, Inc. The application has been assigned to **Agilent Technologies, Inc.**

2016315795 Invicro, LLC; Curadel, LLC The application has been assigned to **Emit Imaging, Inc.; Curadel, LLC**

2016325991 Ubiqd, LLC The application has been assigned to **Ubi-QD, Inc.**

2016327569 Stewart, Peter Graham; ION Geophysical Corporation; Watts, Giles Frances Tanfield The application has been assigned to **ION Geophysical Corporation**

2016361668 Incanthera Limited The application has been assigned to **Ellipses Pharma Limited**

2016366790 Aucamp, P The application has been assigned to **AIM IP (Pty) Limited**

2016369089 Aucamp, PJ The application has been assigned to **AIM IP (Pty) Limited**

**2017**

2017202726 Allergan, Inc. The application has been assigned to **Aclaris Therapeutics, Inc.**

**Assignments before Grant, Section 113**

2017203735 Reckitt & Colman (Overseas) Limited The application has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2017203808 Reckitt & Colman (Overseas) Limited The application has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2017203825 Reckitt & Colman (Overseas) Limited The application has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2017216251 Paradigm Industries Australia Pty Ltd The application has been assigned to **BASF SE; Paradigm Industries Australia Pty Ltd**

2017216601 Irwin Industrial Tool Company The application has been assigned to **Black & Decker Inc.**

2017246588 INSERM (Institut National de la Santé et de la Recherche Médicale); Université de Lille 2 Droit et Santé; Lunginnov; Centre National de la Recherche Scientifique - CNRS -; Université des Sciences et Technologies de Lille; Institut Pasteur de Lille The application has been assigned to **Université de Lille; Lunginnov; INSERM (Institut National de la Santé et de la Recherche Médicale); Institut Pasteur de Lille; Centre National de la Recherche Scientifique - CNRS -**

2017249740 Ramlat Limited The application has been assigned to **Delta of Sweden AB**

2017271392 Colarusso, Ciriaco; Ruggiero, Vincenzo The application has been assigned to **Cocchioni, Riccardo; Colarusso, Ciriaco; Ruggiero, Vincenzo**

2017272195 Reckitt & Colman (Overseas) Limited The application has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2017289267 Beetel III, Robert; Friedrichs, Paul; Krinsky, William; Zarins, Denise; Gala Therapeutics, Inc.; Waldstreicher, Jonathan; Long, Gary; Taylor, James; Turovskiy, Roman The application has been assigned to **Gala Therapeutics, Inc.**

2017290762 Ludwig Institute for Cancer Research Ltd; Paracrine Therapeutics AB The application has been assigned to **Paracrine Therapeutics AB**

2017305976 Flexlite Corporation; Detaboada, Luis The application has been assigned to **LiteCure, LLC**

2017319717 Universität Bern; Gerber, Nicolas; Gerber, Kate; Anso, Juan; Weber, Stefan; Williamson, Tom The application has been assigned to **Universität Bern**

2017319719 10T Holdings Pty Ltd The application has been assigned to **IOT.next BV**

2017321192 Osterhout Group, Inc. The application has been assigned to **Mentor Acquisition One, LLC**

**Assignments before Grant, Section 113**

**2018**

2018201012 Karyopharm Therapeutics, Inc. The application has been assigned to **Biogen MA Inc.**

2018201576 Kyda Group Pty Ltd The application has been assigned to **Kenworthy, Jemma**

2018201858 Zoetis LLC The application has been assigned to **Zoetis Services LLC**

2018204336 Mettler Packaging LLC The application has been assigned to **Mettler Packaging Pty. Ltd.**

2018213987 Aleis Pty Ltd The application has been assigned to **Ailflex Australia Pty Limited**

2018217242 Base Air Management, Inc. The application has been assigned to **Base Air Management Limited**

2018229508 Allergan, Inc. The application has been assigned to **Aclaris Therapeutics, Inc.**

2018247312 Product Development Technologies LLC The application has been assigned to **Konnectronix, Inc.**

2018264082 Zhuji Zaohong Trading Co., Ltd. The application has been assigned to **Yongkang Yiyang Technology Co., Ltd.**

2018900685 Flor, Rodney Joseph The application has been assigned to **Dust Solutions Pty Ltd**

2018902345 Griffith University; Integria Healthcare (Australia) Pty Limited The application has been assigned to **Integria Healthcare (Australia) Pty Limited**

**2019**

2019200109 Zhuji Zaohong Trading Co., Ltd. The application has been assigned to **Yongkang Feisheng Intelligent Technology Co., Ltd.**

2019200120 Zhuji Zaohong Trading Co., Ltd. The application has been assigned to **Yongkang Yiyang Technology Co., Ltd.**

2019200149 Zhuji Zaohong Trading Co., Ltd. The application has been assigned to **Yongkang Feisheng Intelligent Technology Co., Ltd.**

2019200824 Orban Biotech LLC The application has been assigned to **DMNomore**

2019201378 Telefonix, Incorporated The application has been assigned to **Astronics Connectivity Systems & Certification Corp.**

**Extensions of Time, Section 223**

**Applications Received**

**Extensions of Time, Section 223**

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

**2006**

2006243223 **Coty Prestige Lancaster Group GmbH** An application to extend the time from 04 May 2017 to 04 Mar 2019 in which to pay a renewal fee has been filed . Address for service - Griffith Hack L 22 Allendale Square 77 St Georges Terrace Perth WA 6000 AU

**2012**

2012220665 **SolarCity Corporation** An application to extend the time from 22 Feb 2018 to 22 Feb 2019 in which to pay a renewal fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

**2013**

2013399485 **Hangzhou Dac Biotech Co., Ltd** An application to extend the time from 02 Sep 2018 to 02 Jan 2020 in which to gain acceptance and pay the continuation fee . Address for service - A.P.T. Patent and Trade Mark Attorneys PO Box 833 BLACKWOOD SA 5051 AU

**2014**

2014291646 **Equiline S.r.l.** An application to extend the time from 18 Jul 2018 to 18 Mar 2019 in which to pay a continuation fee has been filed . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

**2015**

2015309648 **Raptor Rig, Inc.** An application to extend the time from 09 Dec 2018 to 09 Apr 2019 in which to request examination has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2015309649 **Raptor Rig, Inc.** An application to extend the time from 09 Dec 2018 to 09 Apr 2019 in which to request examination has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2017**

2017203044 **Tama Plastic Industry** An application to extend the time from 20 Aug 2018 to 20 Mar 2019 in which to pay the continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2002**

2002034395 **Independent Gaming Services Pty Ltd** The time in which to pay a renewal fee has been extended to 18 Nov 2018 . Address for service - Lawrence Shepherd PO BOX 6906 Baulkham Hills NSW 2153 AU

**2006**

2006337137 **Lexicon Pharmaceuticals, Inc.** The time in which to request an Extension of Term - Pharmaceutical has been extended to 14 Apr 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**Extensions of Time, Section 223**

**2007**

2007333120 **Lexicon Pharmaceuticals, Inc.** The time in which to request an Extension of Term - Pharmaceutical has been extended to 14 Apr 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2008**

2008304439 **Lexicon Pharmaceuticals, Inc.** The time in which to request an Extension of Term - Pharmaceutical has been extended to 14 Apr 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

**2010**

2010256338 **The Environmental Group Limited** The time in which to pay a renewal fee has been extended to 02 Feb 2019 . Address for service - PIPERS 1st Floor, Imagetext House 3 Owens Road, Epsom Auckland, 1023 NZ

**2012**

2012326383 **Lexicon Pharmaceuticals, Inc.** The time in which to request an Extension of Term - Pharmaceutical has been extended to 14 Apr 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2014**

2014315056 **Levinsohn, S.** The time in which to gain acceptance has been extended to 09 Jul 2019 . Address for service - Steven Levinsohn Robyn Gross 71 Boronia Road Bellevue Hill NSW 2023 AU

**2015**

2015203466 **Pacca Pty Ltd** The time in which to request Examination has been extended to 20 Feb 2019 . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

**2016**

2016256597 **Knorr, A.** The time in which to gain acceptance has been extended to 20 May 2019 . Address for service - Andrew Karl Knorr 42 Campbell St Traralgon VIC 3844 AU

**2017**

2017280088 **Southern Star Corporation Pty Ltd** The time in which to enter the national phase has been extended to 22 Apr 2019 . Address for service - Churchill Attorneys PO BOX 3238 BURNLEY NORTH VIC 3121 AU

2017296910 **Lg Electronics Inc.** The time in which to enter the national phase has been extended to 14 Mar 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

2017297104 **Lg Electronics Inc.** The time in which to enter the National Phase has been extended to 14 Mar 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

2017297106 **Lg Electronics Inc.** The time in which to enter the National Phase has been extended to 14 Mar 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

**Extensions of Time, Section 223**

2017297107 **Lg Electronics Inc.** The time in which to enter the national phase has been extended to 14 Mar 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

2017297110 **Lg Electronics Inc.** The time in which to enter the national phase has been extended to 14 Mar 2019 . Address for service - FB Rice Pty Ltd Level 14 90 Collins St Melbourne VIC 3000 AU

**2019**

2019200771 **Hapttech, Inc.** The time in which to make a further application for a divisional patent has been extended to 01 Mar 2019 . Address for service - Shelston IP Pty Ltd. Level 9 60 Margaret Street Sydney NSW 2000 AU

2019201064 **McPharma Biotech Inc.** The time in which to claim the convention priority date has been extended to 02 Mar 2019 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

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

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

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

**2011**

2011205034 Charging Apparatus and Portable Power Supply **ARK Corporation Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 21 Feb 2019 . Address for service - FOUNDRY INTELLECTUAL PROPERTY PTY LTD PO Box Q1466 Queen Victoria Building NSW 1230 AU

**2012**

2012259532 Trampoline enclosure with a self closing door **Board & Batten International Inc** The nature of the amendment is as shown in the statement(s) filed 01 Apr 2019 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2012363558 Thieno[3,2-d]pyrimidine derivatives having inhibitory activity for protein kinases **Hanmi Pharm Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 21 Mar 2019 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2013**

2013348009 Substituted reverse pyrimidine Bmi-1 inhibitors **PTC Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013404800 Production of red iron oxide pigment **LANXESS Deutschland GmbH ; LANXESS Specialty Chemicals Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read Czaplík, Waldemar; Kischkewitz, Jurgen; Oehliert, Wolfgang; Li, Huajun; Holtmann, Udo; Blankenmeyer-Menge, Birgit; Ketteler, Guido

**Amendments**

and Bardoun, Alfred . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2014**

2014287067 Treating elevated levels of eosinophils and/or basophils **Knopp Biosciences LLC** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2019 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2014306417 Selective Grp94 inhibitors and uses thereof **Memorial Sloan-Kettering Cancer Center** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2019 . Address for service - Jones Tulloch Se 9 150 Chestnut St Cremorne VIC 3121 AU

2014307821 Dosing system for an inhalation device **Vectura GmbH** The nature of the amendment is as shown in the statement(s) filed 29 Mar 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2015**

2015245909 Method for the analysis of image data representing a three-dimensional volume of biological tissue **Mimo AG** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2019 . Address for service - Griffith Hack GPO Box 1285 MELBOURNE VIC 3001 AU

2015252256 A container having a heater for an aerosol-generating device, and aerosol-generating device **Philip Morris Products S.A.** The nature of the amendment is as shown in the statement(s) filed 04 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015261046 Compounds for treating spinal muscular atrophy **PTC Therapeutics Inc. ; F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement(s) filed 15 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015295936 Anti-CTLA4 monoclonal antibody or antigen binding fragment thereof, medicinal composition and use **Akeso Biopharma, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015406139 Carton **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement(s) filed 04 Apr 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2016**

2016204702 Capsule, system and method for preparing a predetermined quantity of beverage suitable for consumption **Koninklijke Douwe Egberts B.V.** The nature of the amendment is as shown in the statement(s) filed 21 Dec 2018 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016232755 Convection based temperature assured packaging system **Sonoco Development, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Apr 2019 . Address for ser-

**Amendments**

vice - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016273885 Epitopes related to coeliac disease **BTG International Limited** The nature of the amendment is as shown in the statement(s) filed 15 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016319525 Fused pyrimidine compound or salt thereof **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2019 . Address for service - Griffith Hack GPO Box 1285 MELBOURNE VIC 3001 AU

2016378548 Storage-stable solid peroxymonosulfate composition **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement(s) filed 02 Apr 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

**2017**

2017201078 MODULATION OF ANGIOPOIETIN-LIKE 3 EXPRESSION **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 19 Mar 2019 . Address for service - Pizzseys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017201366 Drill string components having multiple-thread joints **BLY IP INC.** The nature of the amendment is as shown in the statement(s) filed 11 Mar 2019 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 SYDNEY NSW 2001 AU

2017204509 LIPID NANOPARTICLE COMPOSITIONS AND METHODS FOR mRNA DELIVERY **Translate Bio, Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Apr 2019 . Address for service - Pizzseys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017232039 Pyrrolo [1,2,f] [1,2,4] triazines useful for treating respiratory syncytial virus infections **Gilead Sciences, Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Apr 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017232486 Sole structure for article of footwear **NIKE Innovate C.V.** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017249264 Transport bag, conveying device and method for opening or closing a transport bag **Dematic Logistics GmbH** The nature of the amendment is as shown in the statement(s) filed 27 Mar 2019 . Address for service - Griffith Hack Level 29 Northpoint 100 ?Miller Street Sydney NSW 2001 AU

**2018**

2018311844 Steerable medical device and the preparing method thereof **XCath, Inc. ; The Board of Regents of The University of Texas** The nature of the amendment is: Amend the priority details to read 62/539,346 31 Jul 2017 US . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

**Amendments Made**

**Amendments**

**2010**

2010281453 **Baxalta GmbH; Baxalta Incorporated** The nature of the amendment is as shown in the statement filed 30 Aug 2018

**2011**

2011265306 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is: Amend the name of the inventor to read Auerbach, Wojtek; Dechiara, Thomas; Poueymirou, William; Friendewey, David and Valenzuela, David

**2012**

2012272677 **AMO Development, LLC** The nature of the amendment is as shown in the statement(s) filed 03 Dec 2018

**2013**

2013204021 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is: Amend the name of the inventor to read Auerbach, Wojtek; Dechiara, Thomas; Poueymirou, William; Friendewey, David and Valenzuela, David

2013256496 **Kypha, Inc.** The nature of the amendment is: Amend the name of the inventor to read Olson, Paul; Moss, Donald W. and Staten, Nicholas

2013311479 **Robit Oyj** The nature of the amendment is as shown in the statement(s) filed 13 Nov 2018 and 07 Jan 2019

2013324945 **Tsinghua University; Nuctech Company Limited** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 24 Jan 2019

**2014**

2014232383 **Epigen Biosciences, Inc.** The nature of the amendment is: Amend the name of the inventor to read Beaton, Graham; Tucci, Fabio C.; Ravula, Satheesh B.; Shah, Chandravadan R. and Luu, Hiep

2014241843 **Icahn School of Medicine at Mount Sinai; Memorial Sloan Kettering Cancer Center** The nature of the amendment is: Amend the name of the inventor to read Palese, Peter; Garcia-Sastre, Adolfo; Zamrin, Dmitriy and Wolchok, Jedd D.

2014285019 **Karyopharm Therapeutics Inc.** The nature of the amendment is as shown in the statement filed 09 Jan 2019

2014317940 **BASF SE** The nature of the amendment is as shown in the statement filed 22 Jan 2019

2014367306 **Neuronano AB** The nature of the amendment is as shown in the statement filed 24 Jan 2019

**2015**

2015253576 **Vanderbilt Chemicals, LLC** The nature of the amendment is as shown in the statement filed 17 Jan 2019

2015255619 **Ranken, A.** The nature of the amendment is: Application is to proceed under the number 2015101956

**Amendments**

2015271909 **The United States of America, as represented by the Secretary, Department of Health and Human Services** The nature of the amendment is as shown in the statement(s) filed 07 Jan 2019

2015274245 **iCOPS Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2015101955

2015315159 **Perosphere Technologies Inc.** The nature of the amendment is as shown in the statement filed 09 Jan 2019

2015325693 **Nippon Steel & Sumitomo Metal Corporation** The nature of the amendment is as shown in the statement filed 15 Jan 2019

2015359626 **Bayer Aktiengesellschaft** The nature of the amendment is: Amend the name of the inventor to read Davenport, Adam James; Braeuer, Nico; Fischer, Oliver Martin; Rotgeri, Andrea; Rottmann, Antje; Neagoe, Ioana; Nagel, Jens; Godinho-Coelho, Anne-Marie and Klar, Juergen

2015375330 **Harrow Health, Inc.** The nature of the amendment is: Application is to proceed under the number 2015101954

2015375330 **Harrow Health, Inc.** The nature of the amendment is as shown in the statement(s) filed 06 Jul 2017; 19 Jul 2017; 19 Dec 2018 and 28 Mar 2019

2015392050 **Chia Tai Tianqing Pharmaceutical Group Co., Ltd.** The nature of the amendment is: Amend the invention title to read Fumarate of pyridylamine compound and crystals thereof

2015401995 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement filed 17 Jan 2019

**2016**

2016204134 **Stryker Corporation** The nature of the amendment is: Amend the name of the inventor to read Stratton, Dennis; Veldkamp, David J.; Heffernan, Eric M.; Goldenberg, Dave S.; Chamberlin, Chris; Diehl, Eric K.; Bernero, John P.; Lam, Vincent and Orand, Austin

2016234987 **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** The nature of the amendment is: Amend the name of the inventor to read Kastner, Thorsten; Herre, Juergen; Terentiv, Leon and Hellmuth, Oliver

2016236578 **Crystal Pharmatech Co., Ltd.** The nature of the amendment is: Amend the invention title to read PREPARATION METHOD OF CRYSTALLINE FORM A OF PCI-32765

2016275302 **Oxford Photovoltaics Limited** The nature of the amendment is: Amend the name of the inventor to read Robinson, Anna; Case, Christopher; Kirk, Daniel; Crossland, Edward; Watts, Jim; Beaumont, Nicola; Butler, Phillip; Hooper, Stewart and Langley, Benjamin John

2016289742 **Woodwelding AG** The nature of the amendment is: Amend the name of the inventor to read Mayer, Jörg; Lehmann, Mario; Kvist, Joakim; Poschner, Patricia and Aeschlimann, Marcel

2016311181 **Neozyme International, Inc.** The nature of the amendment is as shown in the statement filed 09 Jan 2019

**Amendments**

2016330287 **Nexa3D Inc.** The nature of the amendment is: Amend the name of the inventor to read Tringali, Luciano; Denaro, Andrea and Zitelli, Gianni

2016341131 **University of Massachusetts** The nature of the amendment is as shown in the statement(s) filed 01 Apr 2019

2016342192 **Scott Technologies, Inc.** The nature of the amendment is: Amend the name of the inventor to read Thompson, Darin Kyle; Quiring, Amy Elizabeth; Simmonds, Edward Powers; Wilson, Graham Peter; Tucker, Carl Estcourt; Ward, Christopher and Hudson, Kyle Dane

2016346893 **Dropbox, Inc.** The nature of the amendment is as shown in the statement filed 17 Jan 2019

2016375909 **Dropbox, Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Jan 2019

2016394453 **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** The nature of the amendment is: Application is to proceed under the number 2016102414

2016422911 **E&S Healthcare Co., Ltd.; Paichai University Industry-Academic Cooperation Foundation** The nature of the amendment is: To amend the applicant name to read E&S Healthcare Co., Ltd.

2016423509 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Anti-interference method and apparatus for touch panel

2016424054 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method for managing application program use time offline, and terminal device

2016424753 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Optical fiber plug, optical fiber adapter, and optical fiber connector assembly

2016424838 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read METHOD FOR FEEDING BACK ACK/NACK INFORMATION FOR DOWNLINK DATA AND RELATED DEVICE

2016427268 **Opportunity / Discovery LLC** The nature of the amendment is as shown in the statement filed 01 Apr 2019

**2017**

2017201015 **SentreHEART, Inc.** The nature of the amendment is as shown in the statement filed 09 Jan 2019

2017201749 **Armor** The nature of the amendment is: Amend the priority details to read 16305290.5 16 Mar 2016 EP

2017202603 **SOHN, D.** The nature of the amendment is: Application is to proceed under the number 2017101851

2017202896 **Incube Labs, LLC** The nature of the amendment is as shown in the statement filed 12 Apr 2019

**Amendments**

2017203690 **Dropbox, Inc.** The nature of the amendment is as shown in the statement filed 17 Jan 2019

2017213296 **Dainihon Jochugiku Co., Ltd.** The nature of the amendment is: Amend the invention title to read INSECT PEST CONTROL PRODUCT AND INSECT PEST CONTROL METHOD

2017247135 **Qualcomm Incorporated** The nature of the amendment is: Amend the name of the inventor to read Islam, Muhammad Nazmul; Subramanian, Sundar; Luo, Tao; Cezanne, Juergen; Sadiq, Bilal and Li, Junyi

2017267098 **Voestalpine Böhler Edelstahl GmbH & Co Kg** The nature of the amendment is: Amend the name of the inventor to read Perko, Jochen; Haspel, Michael and Schütz, Patric

2017288572 **Acosta Villanueva, M.** The nature of the amendment is as shown in the statement(s) filed 13 Feb 2019

2017298021 **PETRÓLEO BRASILEIRO S.A. - PETROBRAS** The nature of the amendment is: Amend the name of the inventor to read DE ARAUJO MONTEIRO, Carlos Alberto; SILVA BELATO, Donizeti Aurélio; DUNCAN LIMA, Jorge Roberto; DA ROCHA MONTEIRO, Denise Barcellos and ZOTIN, José Luiz

2017319218 **Oxford University Innovation Limited** The nature of the amendment is as shown in the statement filed 26 Mar 2019

2017321797 **Eriez Manufacturing Co.** The nature of the amendment is as shown in the statement filed 10 Apr 2019

2017327304 **Nippon Chemiphar Co., Ltd.** The nature of the amendment is: Amend the invention title to read Use of morphinan derivative for therapeutic treatment of opioid  $\delta$  receptor agonist-related disease

2017328288 **Hawk NZ Limited** The nature of the amendment is: Application is to proceed under the number 2017101854

2017331889 **TFK Co., Ltd.** The nature of the amendment is: Amend the invention title to read COMPOUND OR SALT THEREOF, ANTI-INFLAMMATORY AGENT, ANTI-CANCER AGENT AGAINST LUNG CANCER, METHOD OF PRODUCING COMPOUND OR SALTS THEREOF, METHOD OF TREATING INFLAMMATORY DISEASES AND METHOD OF TREATING LUNG CANCER

2017333801 **Kao Corporation** The nature of the amendment is: Amend the invention title to read Method of Producing Lipid

2017336196 **International Business Machines Corporation** The nature of the amendment is: Amend the name of the inventor to read Bradbury, Jonathan; Copeland, Reid and Mueller, Silvia Melitta

2017336900 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read CODEBOOK-BASED CHANNEL STATE INFORMATION FEEDBACK METHOD AND DEVICE

2017337002 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read INFORMATION

**Amendments**

TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE

2017337462 **Canon Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read Toner cartridge and toner supplying mechanism

2017341136 **Kyowa Hakko Bio Co., Ltd.** The nature of the amendment is: Amend the invention title to read CRYSTAL OF CYTIDINE DIPHOSPHATE CHOLINE AND PRODUCTION METHOD THEREOF

2017342576 **Nihon Nohyaku Co., Ltd.** The nature of the amendment is: Amend the invention title to read 1H-pyrrolopyridine compound, n-oxide thereof or salt thereof, agricultural and horticultural insecticide comprising the compound, and method for using the insecticide

2017343412 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Synchronization signal sending method and receiving method, and apparatus

2017344031 **3DBiopsy, Inc.** The nature of the amendment is: Amend the name of the inventor to read Stone, Nelson and Crowley, Timothy Patrick

2017344933 **Reused Remade AB** The nature of the amendment is: Amend the invention title to read Method And System For Making A Plurality Of Bags, And Bag

2017350177 **ELC Management LLC; Kaist University** The nature of the amendment is: Amend the priority details to read 10-2016-0117234 12 Sep 2016 KR

2017357785 **Novartis AG** The nature of the amendment is as shown in the statement filed 12 Apr 2019

2017364135 **Recordati Industria Chimica E Farmaceutica S.p.A.** The nature of the amendment is as shown in the statement filed 28 Mar 2019

2017380373 **Nanjing Chervon Industry Co., Ltd.** The nature of the amendment is: Amend the invention title to read WALK-BEHIND, SELF-PROPELLED MACHINE

**2018**

2018314720 **South China Sea Institute of Oceanology, Chinese Academy of Sciences** The nature of the amendment is: Amend the invention title to read MARINE MICROBIAL INOCULANT AND PREPARATION METHOD THEREOF

2018325680 **Guangdong Institute of Applied Biological Resources** The nature of the amendment is: Amend the invention title to read QUALITY EVALUATION METHOD FOR BREEDING STOCK OF GUANG-DILONG EARTHWORMS

2018901275 **JWM Innovations Pty Ltd** The nature of the amendment is: Application is to proceed under number 2018346900

**2019**

2019202017 **ALSTOM Transport Technologies; Alpha Innovations S.A.** The nature of the amendment is: Amend the invention title to



**Amendments**

read Electric power supply device, electric installation and repartition method of the electric power delivered by such a device

2019202192 **Nelson Irrigation Corporation** The nature of the amendment is: Amend the priority details to read 15/953,728 16 Apr 2018 US

2019202194 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Construction method, work machine control system, and work machine

2019202405 **EpitoGenesis Inc.** The nature of the amendment is: Amend the invention title to read Pharmaceutical compositions, comprising a combination of select carriers, vitamins, tannins and flavonoids as antigen-specific immuno-modulators

2019900867 **PRANA BIOTECHNOLOGY LIMITED** The nature of the amendment is: Amend the invention title to read Compounds for and Methods of Treating Diseases

2019901068 **Fresh Supply Co. Pty. Ltd.** The nature of the amendment is: Application is to proceed under number 2019202754

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

**2000**

2000016176 Telefonix, Inc. The name of the patentee has been altered to **Konnectronix, Inc.**

**2003**

2003300821 ThromboGenics NV The name of the patentee has been altered to **Oxurion NV**

**2005**

2005321798 Boehringer Ingelheim Vetmedica, Inc. The name of the patentee has been altered to **Boehringer Ingelheim Animal Health USA Inc.**

**2006**

2006227571 Vlaams Interuniversitair Instituut voor Biotechnologie vzw; ThromboGenics N.V. ; Life Sciences Research Partners vzw The name of the patentee has been altered to **Vlaams Interuniversitair Instituut voor Biotechnologie vzw; Oxurion NV; Life Sciences Research Partners vzw**

2006347121 mimozax Co., Ltd The name of the patentee has been altered to **Acacia-No-Ki Co., Ltd.**

2006347122 mimozax Co., Ltd The name of the patentee has been altered to **Acacia-No-Ki Co., Ltd.**

2006347123 mimozax Co., Ltd The name of the patentee has been altered to **Acacia-No-Ki Co., Ltd.**

2006347124 mimozax Co., Ltd The name of the patentee has been altered to **Acacia-No-Ki Co., Ltd.**

2006347125 mimozax Co., Ltd The name of the patentee has been altered to **Acacia-No-Ki Co., Ltd.**

**Amendments**

**2007**

2007200954 Styleride Bidco Pty Ltd The name of the patentee has been altered to **Styleride Pty Ltd**

2007237155 Styleride Bidco Pty Ltd The name of the patentee has been altered to **Styleride Pty Ltd**

**2009**

2009294212 Brighton-Best International, In., a California corporation The name of the patentee has been altered to **Brighton-Best International, Inc., a California corporation**

**2010**

2010216274 Knaack LLC The name of the patentee has been altered to **Werner Co.**

2010224370 Boehringer-Ingelheim Vetmedica, Inc. The name of the patentee has been altered to **Boehringer Ingelheim Animal Health USA Inc.**

2010353877 Statoil Petroleum AS The name of the patentee has been altered to **Equinor Energy AS**

**2011**

2011201340 Vlaams Interuniversitair Instituut voor Biotechnologie vzw; Life Sciences Research Partners vzw; ThromboGenics N.V. The name of the patentee has been altered to **Vlaams Interuniversitair Instituut voor Biotechnologie vzw; Life Sciences Research Partners vzw; Oxurion NV**

2011202387 Styleride Bidco Pty Ltd The name of the patentee has been altered to **Styleride Pty Ltd**

2011226042 NEWCO The name of the patentee has been altered to **MILTON INTERNATIONAL**

2011253941 Boehringer Ingelheim Vetmedica, Inc. The name of the patentee has been altered to **Boehringer Ingelheim Animal Health USA Inc.**

**2012**

2012203508 Boehringer Ingelheim Vetmedica, Inc. The name of the patentee has been altered to **Boehringer Ingelheim Animal Health USA Inc.**

2012209034 Styleride Bidco Pty Ltd The name of the patentee has been altered to **Styleride Pty Ltd**

2012268747 Knaack LLC The name of the patentee has been altered to **Werner Co.**

2012321082 ThromboGenics NV The name of the patentee has been altered to **Oxurion NV**

**2013**

2013240336 University of Massachusetts Medical School The name of the patentee has been altered to **University of Massachusetts**

**Amendments**

2013249012 Medical College of Wisconsin, Inc. The name of the applicant has been altered to **The Medical College of Wisconsin, Inc.**

2013379700 Knaack LLC The name of the patentee has been altered to **Werner Co.**

**2014**

2014348447 Ossur Iceland Ehf The name of the applicant has been altered to **Ossur Iceland ehf**

2014373727 Eisenberger, Peter and Chichilnisky, Graciela, Jointly The name of the applicant has been altered to **Chichilnisky, G.; Eisenberger, P.**

**2015**

2015203041 Statoil Petroleum AS The name of the patentee has been altered to **Equinor Energy AS**

2015204280 Knaack LLC The name of the patentee has been altered to **Werner Co.**

2015303587 Friatec Aktiengesellschaft The name of the applicant has been altered to **FRIATEC GmbH**

2015315014 pSivida US, Inc. The name of the applicant has been altered to **EyePoint Pharmaceuticals US, Inc.**

2015320721 Luc Therapeutics, Inc. The name of the applicant has been altered to **Cadent Therapeutics, Inc.**

2015346090 Bigleaf Networks, LLC The name of the applicant has been altered to **Bigleaf Networks, Inc.**

2015384779 TASER International, Inc. The name of the applicant has been altered to **Axon Enterprise, Inc.**

**2016**

2016222807 TASER International, Inc. The name of the applicant has been altered to **Axon Enterprise, Inc.**

2016255573 Medical College of Wisconsin, Inc. The name of the applicant has been altered to **The Medical College of Wisconsin, Inc.**

2016258001 pSivida US, Inc. The name of the applicant has been altered to **EyePoint Pharmaceuticals US, Inc.**

2016279062 The Broad Institute Inc.; Massachusetts Institute of Technology ; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); Koonin, Eugene; Zhang, Feng; Wolf, Yuri; Shmakov, Sergey; Severinov, Konstantin; Semenova, Ekaterina; Minakhin, Leonid; Makarova, Kira; Konermann, Silvana; Joung, Julia; Gootenberg, Jonathan; Abudayyeh, Omar; The United States of America, as represented by, The Secretary Department of Health and Human Services The name of the applicant has been altered to **The Broad Institute Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); Koonin, E.; Zhang, F.; Wolf, Y.; Shmakov, S.; Severinov, K.; Semenova, E.; Minakhin, L.; Makarova, K.; Konermann, S.; Joung, J.; Gootenberg,**

**Amendments**

**J.; Abudayyeh, O.; The United States of America, as represented by, The Secretary Department of Health and Human Services**

2016279062 The Broad Institute Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); Koonin, Eugene; Zhang, Feng; Wolf, Yuri; Shmakov, Sergey; Severinov, Konstantin; Semenova, Ekaterina; Minakhin, Leonid; Makarova, Kira; Konermann, Silvana; Joung, Julia; Gootenberg, Jonathan; Abudayyeh, Omar; The United States of America, as represented by, The Secretary Department of Health and Human Services The name of the applicant has been altered to **The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); Koonin, E.; Zhang, F.; Wolf, Y.; Shmakov, S.; Severinov, K.; Semenova, E.; Minakhin, L.; Makarova, K.; Konermann, S.; Joung, J.; Gootenberg, J.; Abudayyeh, O.; The United States of America, as represented by, The Secretary Department of Health and Human Services**

2016279077 Massachusetts Institute of Technology; The Broad Institute Inc.; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); The United States of America, as represented by, The Secretary Department of Health and Human Services; Severinov, Konstantin; Zhang, Feng; Wolf, Yuri; Shmakov, Sergey; Semenova, Ekaterina; Minakhin, Leonid; Makarova, Kira; Koonin, Eugene; Konermann, Silvana; Joung, Julia; Gootenberg, Jonathan; Abudayyeh, Omar; Lander, Eric The name of the applicant has been altered to **Massachusetts Institute of Technology; The Broad Institute, Inc.; President and Fellows of Harvard College; Rutgers, The State University of New Jersey; Skolkovo Institute of Science and Technology (Skoltech); The United States of America, as represented by, The Secretary Department of Health and Human Services; Severinov, K.; Zhang, F.; Wolf, Y.; Shmakov, S.; Semenova, E.; Minakhin, L.; Makarova, K.; Koonin, E.; Konermann, S.; Joung, J.; Gootenberg, J.; Abudayyeh, O.; Lander, E.**

2016350207 ENFC Inc. The name of the patentee has been altered to **eNFC Inc.**

2016419240 Nanjing Lianzhong Construction Engineering Technology Co., Ltd The name of the applicant has been altered to **NANJING LIANZHONG ENGINEERING TECHNOLOGY CO., LTD**

**2017**

2017210536 University of Massachusetts Medical School The name of the applicant has been altered to **University of Massachusetts**

2017254731 JP Composites Pty Ltd The name of the applicant has been altered to **Stand Technologies Pty Ltd**

2017275650 Giordano Caponigro; Zhu Alexander Cao The name of the applicant has been altered to **Array BioPharma Inc.**

2017298021 PETRÓLEO BRASILEIRO S.A. - PETROBRAS; Carlos Alberto De Araujo Monteiro ; Donizeti Aurélio Silva Belato ; Jorge Roberto Duncan Lima ; Denise Barcellos Da Rocha Monteiro ; José Luiz Zotin The name of the applicant has been altered to **PETRÓLEO BRASILEIRO S.A. - PETROBRAS**

**Amendments**

2017321528 Kemiraoyj The name of the applicant has been altered to **Kemira Oyj**

2017334283 CannTab Therapeutics Limited The name of the applicant has been altered to **Canntab Therapeutics Limited**

2017355347 Hycor BioMedical, LLC The name of the applicant has been altered to **HYCOR Biomedical, LLC**

**2018**

2018203264 Fundacio Privada Institut de Recerca de la Sida - Caixa; Laboratorios del Dr. Esteve, S.A. The name of the applicant has been altered to **Fundacio Privada Institut de Recerca de la Sida - Caixa; ESTEVE PHARMACEUTICALS, S.A**

2018247321 SSE Co., Ltd. The name of the applicant has been altered to **Rococo Co., Ltd.**

2018278885 Beijing Didi Infinity Technology and Development Co., Ltd. The name of the applicant has been altered to **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.**

2018901298 Mpire Media Pty Ltd The name of the applicant has been altered to **TrafficGuard Pty Ltd**

2018901651 Respia Pty Ltd The name of the applicant has been altered to **Respia Technologies Pty Ltd**

2018902345 Integria Healthcare (Australia) Pty Limited The name of the applicant has been altered to **Griffith University; Integria Healthcare (Australia) Pty Limited**

2018902780 JP Composites Pty Ltd The name of the applicant has been altered to **Stand Technologies Pty Ltd**

**2019**

2019201513 Ganymed Pharmaceuticals AG; TRON-Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH The name of the applicant has been altered to **Ganymed Pharmaceuticals GmbH; TRON-Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH**

2019900476 Queensland University of Technology The name of the applicant has been altered to **STRYKER AUSTRALIA PTY LTD**

2019900665 Queensland University of Technology; Commonwealth Scientific and Industrial Research Organisation The name of the applicant has been altered to **The University of New South Wales; Commonwealth Scientific and Industrial Research Organisation**

2019900831 Travers, David; Grosset, Jeffery The name of the applicant has been altered to **Travers, D.; Grosset, J.**

Applications Open to Public Inspection

Name Index

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

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2019202395  
 (21) 2019202395 (22) 05.04.2019  
 (54) METHOD AND SYSTEM FOR SECURE COMMUNICATION OF A TOKEN AND AGGREGATION OF THE SAME  
 (51) Int. Cl.  
*H04L 9/06* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2017228530  
 (72) HOSS, Alexis A.; LE, Anh-Dung; SCHIATTI, Luca; GIORDANO, Giuseppe; VIALE, Emmanuel Jean  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2019202437  
 (21) 2019202437 (22) 08.04.2019  
 (54) GENERATING A SET OF USER INTERFACES  
 (51) Int. Cl.  
*G06Q 10/00* ( 2012.01 )  
*G06Q 90/00* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2017268637  
 (72) SHOOK, Eilyn J.; VARMA, Rahul; BOAZ, Nathan M.; CHARNAUX, Susan M.; WANDMACHER, Randall R.; JHAWAR, Kush K.; KAN, Shelby L.; LAROSA, Monica A.; SCHNEIDER, Tanarra; NAGEL, Kristen M.; HARRIS, Kelly A.; BASU, Deepashree; CHANDRAN, Rajiv; LOGAN, Danielle L.; SIEBERT, Josh; SCHOCKE, Daniel A.  
 (74) Murray Trento & Associates Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2019202454  
 (21) 2019202454 (22) 09.04.2019  
 (54) SMART ADVISORY FOR DISTRIBUTED AND COMPOSITE TESTING TEAMS BASED ON PRODUCTION DATA AND ANALYTICS  
 (51) Int. Cl.  
*G06F 11/36* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2018200523  
 (72) SINGI, Kapil; DUBEY, Alpana; KAUL-GUD, Vikrant  
 (74) Murray Trento & Associates Pty Ltd

---

(71) Acorda Therapeutics, Inc.  
 (11) AU-A-2019202401  
 (21) 2019202401 (22) 05.04.2019  
 (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) 02.05.2019  
 (62) 2018200592  
 (72) Caggiano, Anthony O.; Bella, Anthony J.; Ganguly, Anindita; Iaci, Jennifer; Parry, Thomas; Colburn, Raymond Warren  
 (74) Spruson & Ferguson

---

(71) Actuant Corporation  
 (11) AU-A-2018241199  
 (21) 2018241199 (22) 08.10.2018  
 (54) Industrial tool and drive system for same  
 (51) Int. Cl.  
*B25B 21/00* ( 2006.01 )  
 (31) 62/569,085 (32) 06.10.17 (33) US  
 (43) 02.05.2019  
 (72) HUGHES, Nathan Adam; PILI, Roger Roy  
 (74) Griffith Hack

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(71) Actuant Corporation  
 (11) AU-A-2018247352  
 (21) 2018247352 (22) 15.10.2018  
 (54) Remote conduit de-coupling device  
 (51) Int. Cl.  
*B66F 3/24* ( 2006.01 )  
*F03D 13/25* ( 2016.01 )  
 (31) 62/592,139 (32) 29.11.17 (33) US  
 62/572,198 13.10.17 US  
 (43) 02.05.2019  
 (72) VAN DER VELDEN, J.D.; BROERE, Jaap; WILLEMSEN, Timo  
 (74) Griffith Hack

---

(71) Adaptive Spectrum and Signal Alignment, Inc.  
 (11) AU-A-2019202408  
 (21) 2019202408 (22) 05.04.2019  
 (54) METHOD, APPARATUS, AND SYSTEM FOR OPTIMIZING PERFORMANCE OF A COMMUNICATION UNIT BY A REMOTE SERVER  
 (51) Int. Cl.  
*H04L 1/00* ( 2006.01 )  
*H04L 1/20* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2017202588  
 (72) RHEE, Wonjong  
 (74) Griffith Hack

---

(71) Adobe Inc.  
 (11) AU-A-2018202646  
 (21) 2018202646 (22) 16.04.2018  
 (54) STORING PSD COMPATIBLE PHOTOSHOP DOCUMENTS IN A CON-

TAINER FOR EFFICIENT IDENTIFICATION AND TRANSMISSION OF MODIFIED DOCUMENT SUBSETS  
 (51) Int. Cl.  
*H04N 1/00* ( 2006.01 )  
 (31) 15/725,730 (32) 05.10.17 (33) US  
 (43) 02.05.2019  
 (72) Williams, Russell; Khalfallah, Habib; Stoeckmann, Jan; Erickson, Alan  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2018204372  
 (21) 2018204372 (22) 19.06.2018  
 (54) A UNITED FRAMEWORK FOR PERSONALISATION WHICH ENCOMPASSES COLD START AND IMPLICIT INTERACTION DATA  
 (51) Int. Cl.  
*H04H 60/65* ( 2008.01 )  
*H04H 60/46* ( 2008.01 )  
*H04H 60/72* ( 2008.01 )  
*H04N 21/40* ( 2011.01 )  
*H04N 21/45* ( 2011.01 )  
 (31) 15/785,934 (32) 17.10.17 (33) US  
 (43) 02.05.2019  
 (72) Balaji, K; Puri, Nikaash  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2018205185  
 (21) 2018205185 (22) 13.07.2018  
 (54) SCALABLE FONT PAIRING WITH ASYMMETRIC METRIC LEARNING  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
 (31) 15/729,855 (32) 11.10.17 (33) US  
 (43) 02.05.2019  
 (72) Wang, Zhaowen; Jin, Hailin; Jiang, Shuhui; Hertzmann, Aaron  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

---

(71) Adobe Inc.  
 (11) AU-A-2018206708  
 (21) 2018206708 (22) 17.07.2018  
 (54) PROJECT FACES  
 (51) Int. Cl.  
*G06F 17/00* ( 2006.01 )  
 (31) 15/726,973 (32) 06.10.17 (33) US  
 15/726,909 06.10.17 US  
 15/726,832 06.10.17 US  
 (43) 02.05.2019  
 (72) Sinn, Richard; Donahue, Thomas; Young, Alan  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Adobe Inc.  
 (11) AU-A-2018211217  
 (21) 2018211217 (22) 31.07.2018  
 (54) VIRTUAL REALITY PARALLAX CORRECTION  
 (51) Int. Cl.  
*G06T 19/00* ( 2011.01 )  
*G06N 3/02* ( 2006.01 )  
*H04N 13/111* ( 2018.01 )  
*H04N 13/117* ( 2018.01 )  
*H04N 13/128* ( 2018.01 )  
*H04N 13/20* ( 2018.01 )  
 (31) 15/730,478 (32) 11.10.17 (33) US  
 (43) 02.05.2019  
 (72) Serrano, Ana Belen; DiVerdi, Stephen; Hertzmann, Aaron  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2018211310  
 (21) 2018211310 (22) 03.08.2018  
 (54) LOCAL COLOR RANGE SELECTION  
 (51) Int. Cl.  
*G06T 11/00* ( 2006.01 )  
 (31) 15/786,549 (32) 17.10.17 (33) US  
 (43) 02.05.2019  
 (72) Chan, Eric; Bury, Joshua  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2018211354  
 (21) 2018211354 (22) 06.08.2018  
 (54) IMAGE COMPLETION WITH IMPROVED DEEP NEURAL NETWORKS  
 (51) Int. Cl.  
*G06T 1/40* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06T 5/00* ( 2006.01 )  
 (31) 15/785,386 (32) 16.10.17 (33) US  
 (43) 02.05.2019  
 (72) Lin, Zhe; Shen, Xiaohui; Yang, Jimei; Lu, Xin; Yu, Jiahui  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2018211356  
 (21) 2018211356 (22) 06.08.2018  
 (54) IMAGE COMPLETION WITH IMPROVED DEEP NEURAL NETWORKS  
 (51) Int. Cl.  
*G06T 1/40* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06T 5/00* ( 2006.01 )  
 (31) 15/785,359 (32) 16.10.17 (33) US  
 (43) 02.05.2019  
 (72) Lin, Zhe; Shen, Xiaohui; Yang, Jimei; Lu, Xin; Yu, Jiahui  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2018214157  
 (21) 2018214157 (22) 12.08.2018

(54) A NOVEL MULTICLASS ARCHITECTURE FOR EXPERIENCE TARGETING USING BAYESIAN APPROACH  
 (51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
 (31) 15/787,369 (32) 18.10.17 (33) US  
 (43) 02.05.2019  
 (72) Nikaash, Puri; Balaji, K.; Piyush, Gupta  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2018226400  
 (21) 2018226400 (22) 04.09.2018  
 (54) METHOD AND APPARATUS TO SEAMLESSLY JOIN AND REPAIR SCANNED PIECES OF A TORN IMAGE  
 (51) Int. Cl.  
*G06T 5/00* ( 2006.01 )  
 (31) 15/786,909 (32) 18.10.17 (33) US  
 (43) 02.05.2019  
 (72) Gupta, Sourabh; Bedi, Ajay; Rajvanshi, Tushar  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

ads-tec GmbH see Dr. Ing. h.c.F. Porsche AG  
 (21) 2018241039

ads-tec GmbH see Dr. Ing. h.c.F. Porsche AG  
 (21) 2018241040

ads-tec GmbH see Dr. Ing. h.c.F. Porsche AG  
 (21) 2018241041

(71) Airtsmart Pty Ltd  
 (11) AU-A-2017245305  
 (21) 2017245305 (22) 10.10.2017  
 (54) A Duct  
 (51) Int. Cl.  
*F24F 13/02* ( 2006.01 )  
*B32B 15/14* ( 2006.01 )  
 (43) 02.05.2019  
 (72) Filipovic, David  
 (74) mdp Patent and Trade Mark Attorneys

(71) Akvadesign AS  
 (11) AU-A-2019202588  
 (21) 2019202588 (22) 15.04.2019  
 (54) Coupling for securing an enclosure in a fish pen to a buoyancy body  
 (51) Int. Cl.  
*A01K 61/00* ( 2006.01 )  
*A01K 63/04* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2017228216  
 (72) NÆSS, Anders; JOHNSEN, Trond Otto  
 (74) Griffith Hack

(71) Akvadesign AS  
 (11) AU-A-2019202589  
 (21) 2019202589 (22) 15.04.2019  
 (54) Coupling provided with a coupling body for securing an enclosure in a fish pen to a buoyancy body  
 (51) Int. Cl.  
*A01K 61/00* ( 2006.01 )  
*A01K 63/04* ( 2006.01 )  
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     **B23K 10/00** ( 2006.01 )  
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**(54)** High resolution spray section height control and dynamic nozzle height adjustment  
**(51)** Int. Cl.  
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**A01G 25/16** ( 2006.01 )  
**B05B 3/12** ( 2006.01 )  
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**A61M 1/14** ( 2006.01 )  
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**A61B 5/00** ( 2006.01 )

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**C07D 307/66** ( 2006.01 )  
**A61K 31/365** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
**C07F 9/655** ( 2006.01 )  
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**A47F 1/12** ( 2006.01 )  
**A47F 7/28** ( 2006.01 )  
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**E02D 31/00** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
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**H04L 12/26** ( 2006.01 )  
**G06F 17/40** ( 2006.01 )  
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**(54)** TREATMENT OF AQUEOUS MINERAL SUSPENSIONS WITH POLYMERIC FLOCCULANTS  
**(51)** Int. Cl.  
**C08G 65/10** ( 2006.01 )  
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**(11)** AU-A-2018241039  
**(21)** 2018241039 **(22)** 02.10.2018  
**(54)** CONVERTER CONFIGURATION FOR AN ELECTRICITY CHARGING STATION AND CORRESPONDING ELECTRICITY CHARGING STATION  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**B60L 50/00** ( 2019.01 )  
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**(71)** Dr. Ing. h.c.F. Porsche AG; ads-tec GmbH  
**(11)** AU-A-2018241040  
**(21)** 2018241040 **(22)** 02.10.2018  
**(54)** USE OF TWO DC/DC CONTROLLERS IN THE POWER ELECTRONICS SYSTEM OF A CHARGING STATION OR ELECTRICITY CHARGING STATION  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
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**(54)** GALVANIC ISOLATION IN THE POWER ELECTRONICS SYSTEM IN

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**H02J 7/00** ( 2006.01 )  
**B60L 50/50** ( 2019.01 )  
**H01M 10/44** ( 2006.01 )  
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**B62B 1/20** ( 2006.01 )  
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**(54)** Dynamic Software System  
**(51)** Int. Cl.  
**G06F 9/00** ( 2006.01 )  
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**(11)** AU-A-2019202299  
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**(54)** A mobile robot  
**(51)** Int. Cl.  
**G05D 1/02** ( 2006.01 )  
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**(11)** AU-A-2019201646  
**(21)** 2019201646 **(22)** 11.03.2019  
**(54)** NANOBUBBLE-CONTAINING LIQUID SOLUTIONS  
**(51)** Int. Cl.  
**B01F 5/06** ( 2006.01 )  
**B01F 3/04** ( 2006.01 )  
**(43)** 02.05.2019  
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**(74)** AJ PARK

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**(21)** 2019202474 **(22)** 09.04.2019  
**(54)** Injector  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )

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**(54)** A backpack vacuum cleaner  
**(51)** Int. Cl.  
**A47L 5/36** ( 2006.01 )  
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**(71)** Elekta Limited  
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**(54)** IMAGE GUIDED RADIATION THERAPY APPARATUS  
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**A61N 5/10** ( 2006.01 )  
**A61B 5/055** ( 2006.01 )  
**A61B 17/52** ( 2006.01 )  
**A61N 5/00** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** EpitoGenesis Inc.  
**(11)** AU-A-2019202405  
**(21)** 2019202405 **(22)** 05.04.2019  
**(54)** Pharmaceutical compositions, comprising a combination of select carriers, vitamins, tannins and flavonoids as antigen-specific immunomodulators  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**(43)** 02.05.2019  
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**(72)** Vajdy, Michael; Padrah, Shore  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Erasmus University Medical Center Rotterdam  
**(11)** AU-A-2019202353  
**(21)** 2019202353 **(22)** 04.04.2019  
**(54)** Methods, reagents and kits for flow cytometric immunophenotyping  
**(51)** Int. Cl.  
**G01N 33/574** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

**(71)** ETHICON ENDO-SURGERY, INC.  
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**(54)** SURGICAL STAPLING AND CUTTING DEVICE AND METHOD FOR USING THE DEVICE  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
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**(72)** DEVILLE, Derek; SMITH, Kevin; PALMER, Matthew; KLINE, Robert  
**(74)** Baxter Patent Attorneys Pty Ltd

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**(54)** MULTI-LOCK AND METHOD OF USE  
**(51)** Int. Cl.  
**E05B 63/14** ( 2006.01 )  
**E05C 9/04** ( 2006.01 )  
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**(72)** EVERETT, Timothy; SEDDON, Jon Graham  
**(74)** Smoorenburg Patent and Trade Mark Attorneys

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**(54)** CONTROLLERS FOR ELECTRIC SKATEBOARDS  
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**A63C 17/12** ( 2006.01 )  
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**(51)** Int. Cl.  
**F02C 9/28** ( 2006.01 )  
**F01D 17/02** ( 2006.01 )  
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 (51) Int. Cl.  
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 (74) Griffith Hack

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 (11) AU-A-2019202461  
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 (54) Processes for the preparation of pyrimidinylcyclopentane compounds  
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*A61G 1/02* ( 2006.01 )  
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 (54) LAUNDRY APPLIANCE AND OPERATING METHOD  
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 (54) PATIENT INTERFACE AND HEADGEAR FOR A RESPIRATORY APPARATUS  
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*A61M 15/08* ( 2006.01 )  
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 (54) METHOD AND SYSTEM FOR TRACKING AND OPTIMIZING CARGO UTILIZATION AND VOLUME MEASUREMENT AND IMAGING SENSING USING LIDARS AND VIDEO CAMERAS  
 (51) Int. Cl.  
*G06Q 50/28* ( 2012.01 )  
*B65D 88/00* ( 2006.01 )  
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 (74) Madderns Pty Ltd

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*H04W 64/00* ( 2009.01 )  
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*G01N 21/25* ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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*C07D 207/277* ( 2006.01 )  
*A01N 43/36* ( 2006.01 )  
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*A01N 43/50* ( 2006.01 )  
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*C07D 401/04* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
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 (74) Houlihan<sup>2</sup> Pty Ltd

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 (72) Davis, Scott; Binger, David  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Forced Physics LLC  
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- (71)** Fractyl Laboratories, Inc.  
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**(54)** INJECTATE DELIVERY DEVICES, SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**A61M 25/10** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Fugro Technology B.V.  
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**(21)** 2018250417 **(22)** 17.10.2018  
**(54)** Piston corer and method of acquiring a soil sample  
**(51)** Int. Cl.  
**E21B 25/00** ( 2006.01 )  
**G01N 1/08** ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys
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**(11)** AU-A-2019202562  
**(21)** 2019202562 **(22)** 12.04.2019  
**(54)** System and method for providing a secure computational environment  
**(51)** Int. Cl.  
**G06F 21/57** ( 2013.01 )  
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**(74)** Spruson & Ferguson
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**(21)** 2019202620 **(22)** 16.04.2019  
**(54)** Display control device, image forming apparatus, display control method, and program  
**(51)** Int. Cl.  
**G06F 3/0482** ( 2013.01 )  
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**E03D 1/14** ( 2006.01 )  
**E03D 5/02** ( 2006.01 )  
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**(21)** 2019202400 **(22)** 05.04.2019  
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**(51)** Int. Cl.  
**C12N 5/00** ( 2006.01 )  
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**(74)** Griffith Hack
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**(54)** Formulations with reduced oxidation  
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**A61K 38/18** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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**(21)** 2019202451 **(22)** 09.04.2019  
**(54)** Methods for reprogramming cells and uses thereof  
**(51)** Int. Cl.  
**C12N 5/0797** ( 2010.01 )  
**A61K 35/12** ( 2006.01 )  
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**A47K 1/04** ( 2006.01 )  
**E03C 1/04** ( 2006.01 )  
**E03C 1/18** ( 2006.01 )  
**E03C 1/22** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/00** ( 2006.01 )  
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**(54)** PANEL MOUNT  
**(51)** Int. Cl.  
**E06B 1/20** ( 2006.01 )  
**E06B 1/14** ( 2006.01 )  
**E06B 5/00** ( 2006.01 )  
**E06B 7/00** ( 2006.01 )  
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**(74)** AJ PARK
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**A23L 3/015** ( 2006.01 )  
**A22C 21/00** ( 2006.01 )  
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*F04B 43/04* ( 2006.01 )

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*A63F 13/52* ( 2014.01 )  
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*A61K 9/00* ( 2006.01 )  
*A61K 31/00* ( 2006.01 )  
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*B32B 13/02* ( 2006.01 )  
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*E04D 1/10* ( 2006.01 )

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 (54) Adapter  
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*E06B 9/323* ( 2006.01 )  
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 (54) Customizable instrument  
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*G01N 35/00* ( 2006.01 )

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*E04B 5/02* ( 2006.01 )  
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 (43) 02.05.2019  
 (72) MURDOCH, Thomas James; MASON, Greg Stephen  
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.  
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 (51) Int. Cl.  
*E04F 15/02* ( 2006.01 )  
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*E04F 15/02* ( 2006.01 )  
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*A01N 43/62* ( 2006.01 )  
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**A61K 36/886** ( 2006.01 )  
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F16B 39/22 ( 2006.01 )  
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C07K 16/30 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
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C07K 16/18 ( 2006.01 )  
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B65D 81/24 ( 2006.01 )  
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A61B 5/00 ( 2006.01 )  
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G07C 9/00 ( 2006.01 )  
H04L 9/32 ( 2006.01 )
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H02J 3/38 ( 2006.01 )  
H01L 31/02 ( 2006.01 )  
H02J 7/35 ( 2006.01 )  
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(74) In-Legal Limited
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(11) AU-A-2019202591  
(21) 2019202591 (22) 15.04.2019  
(54) Method and system for applying electric fields to multiple solar panels  
(51) Int. Cl.  
H02J 3/38 ( 2006.01 )  
H01L 31/02 ( 2006.01 )  
H02J 7/35 ( 2006.01 )  
H02S 40/32 ( 2014.01 )
- (43) 02.05.2019  
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(72) McNamara, Robert P.; Raymond, Douglas M.  
(74) In-Legal Limited
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- (71) Solarlytics, Inc.  
(11) AU-A-2019202591  
(21) 2019202591 (22) 15.04.2019  
(54) Method and system for applying electric fields to multiple solar panels  
(51) Int. Cl.  
H02J 3/38 ( 2006.01 )  
H01L 31/02 ( 2006.01 )  
H02J 7/35 ( 2006.01 )  
H02S 40/32 ( 2014.01 )
- (43) 02.05.2019  
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(72) McNamara, Robert P.; Raymond, Douglas M.  
(74) In-Legal Limited
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- (71) Solarlytics, Inc.  
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(21) 2019202592 (22) 15.04.2019  
(54) Method and system for applying electric fields to multiple solar panels  
(51) Int. Cl.  
H02J 3/38 ( 2006.01 )  
H01L 31/02 ( 2006.01 )  
H02J 7/35 ( 2006.01 )  
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(72) McNamara, Robert P.; Raymond, Douglas M.  
(74) In-Legal Limited
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- (71) Solidsvac Pty Ltd  
(11) AU-A-2019202349  
(21) 2019202349 (22) 04.04.2019  
(54) PNEUMATIC PUMP  
(51) Int. Cl.  
F04F 1/02 ( 2006.01 )  
B65G 53/28 ( 2006.01 )  
F04F 5/24 ( 2006.01 )  
F16K 15/18 ( 2006.01 )

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 Graham, Ian Alexander  
 (74) Phillips Ormonde Fitzpatrick

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 (72) KHOSRAVANI, Shahriar; SIMPSON,  
 Blake A.; HANSEN, Darrin M.;  
 DUFOUR, Mark J.  
 (74) FB Rice Pty Ltd

(71) Sony Corporation  
 (11) AU-A-2019202472  
 (21) 2019202472 (22) 09.04.2019  
 (54) Sound processing device and method,  
 and program  
 (51) Int. Cl.  
*H04S 5/02* ( 2006.01 )  
*H04R 1/40* ( 2006.01 )  
*H04R 3/00* ( 2006.01 )  
 (43) 02.05.2019  
 (62) 2015207271  
 (72) TSUJI, Minoru; CHINEN, Toru  
 (74) Griffith Hack

(71) Synedgen, Inc.  
 (11) AU-A-2019202473  
 (21) 2019202473 (22) 09.04.2019  
 (54) Methods And Compositions For Dis-  
 rupting Biofilm Utilizing Chitosan-Deriv-  
 ative Compounds  
 (51) Int. Cl.  
*A61K 31/722* ( 2006.01 )  
*A61P 11/12* ( 2006.01 )  
 (43) 02.05.2019  
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 (72) BAKER, Shenda; WIESMANN, William  
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 (74) Spruson & Ferguson

(71) The Boeing Company  
 (11) AU-A-2019202566  
 (21) 2019202566 (22) 12.04.2019  
 (54) Folded composite filler  
 (51) Int. Cl.  
*B23B 37/00* ( 2006.01 )  
*B29C 53/02* ( 2006.01 )  
*B29C 63/04* ( 2006.01 )  
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 (54) Device and method  
 (51) Int. Cl.  
*H04W 16/28* ( 2009.01 )  
*H04W 24/10* ( 2009.01 )  
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 (51) Int. Cl.  
*G06Q 50/30* ( 2012.01 )  
*G06N 20/00* ( 2019.01 )  
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 Balakrishnan, Subramaniam; Jagan-  
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(71) The Children's Medical Center Corpora-  
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 (21) 2019202601 (22) 15.04.2019  
 (54) CELASTROL AND DERIVATIVES FOR  
 THE TREATMENT OF OBESITY  
 (51) Int. Cl.  
*A61K 31/194* ( 2006.01 )  
*A61K 31/19* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61K 38/22* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 3/04* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
*C07C 1/00* ( 2006.01 )  
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 SENSORS  
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 (62) 2014227686  
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 Riedlinger, Norbert  
 (74) Davies Collison Cave Pty Ltd

(71) Technological Resources Pty Ltd  
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 (21) 2019202393 (22) 05.04.2019  
 (54) A method of surveying and a surveying  
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 (51) Int. Cl.  
*G06F 17/40* ( 2006.01 )  
*G06T 17/05* ( 2011.01 )  
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 (72) NETTLETON, Eric William; McHUGH,  
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 (74) Cotters Patent & Trade Mark Attorneys

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 Device  
 (51) Int. Cl.  
*F23D 14/82* ( 2006.01 )  
*F16K 17/04* ( 2006.01 )  
 (31) 15/729,938 (32) 11.10.17 (33) US  
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 tralia Pty Limited  
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 (21) 2019202340 (22) 04.04.2019  
 (54) MODIFIED PLANT  
 (51) Int. Cl.  
*A01H 5/00* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )

(71) The Boeing Company  
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 layer  
 (51) Int. Cl.  
*C23C 2/04* ( 2006.01 )  
*B05C 7/02* ( 2006.01 )  
*B32B 15/01* ( 2006.01 )  
*C22C 28/00* ( 2006.01 )  
 (31) 15/786,665 (32) 18.10.17 (33) US

(71) The Johns Hopkins University  
 (11) AU-A-2019202508  
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 (54) Reagents and methods for identify-  
 ing, enriching, and/or expanding anti-  
 gen-specific T cells  
 (51) Int. Cl.  
*C12N 5/0783* ( 2010.01 )  
*B03C 1/00* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )

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**G01N 33/574** ( 2006.01 )  
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**(62)** 2015317712  
**(72)** Schneck, Jonathan; Perica, Karlo; Glick Bieler, Joan; Oelke, Mathias  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-A-2019202575  
**(21)** 2019202575 **(22)** 12.04.2019  
**(54)** METHODS AND COMPOSITIONS THAT PROVIDE DETERGENCY  
**(51)** Int. Cl.  
**C10L 1/18** ( 2006.01 )  
**C10L 10/04** ( 2006.01 )  
**C10L 10/18** ( 2006.01 )

**(43)** 02.05.2019  
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**(72)** ARTERS, David C.; BARBOUR, Robert H.  
**(74)** Houlihan<sup>2</sup> Pty Ltd

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**(71)** The Regents of the University of Michigan  
**(11)** AU-A-2019202604  
**(21)** 2019202604 **(22)** 15.04.2019  
**(54)** Small molecule inhibitors of EGFR and PI3K  
**(51)** Int. Cl.  
**A61K 31/517** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )

**(43)** 02.05.2019  
**(62)** 2015362670  
**(72)** WHITEHEAD, Christopher Emil; LEOPOLD, Judith S.  
**(74)** Spruson & Ferguson

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**(71)** The Travel Bag Company Pty Ltd  
**(11)** AU-A-2019202396  
**(21)** 2019202396 **(22)** 05.04.2019  
**(54)** Bag for Container  
**(51)** Int. Cl.  
**B65D 30/10** ( 2006.01 )  
**A45C 3/00** ( 2006.01 )  
**A45C 13/02** ( 2006.01 )  
**B65D 77/02** ( 2006.01 )  
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**(72)** Dallwitz, Rhett  
**(74)** Sandercock & Cowie

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**(11)** AU-A-2019202343  
**(21)** 2019202343 **(22)** 04.04.2019  
**(54)** DNA antibody constructs and method of using same  
**(51)** Int. Cl.  
**A61K 39/42** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )

**C12P 21/02** ( 2006.01 )  
**(43)** 02.05.2019  
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**(72)** Weiner, David B.; Muthumani, Karupiah; Sardesai, Niranjani; Flingai, Seleeke  
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**(54)** DNA antibody constructs and method of using same  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
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**(72)** Weiner, David B; Flingai, Seleeke; Sardesai, Niranjani; Muthumani, Karupiah  
**(74)** FB Rice Pty Ltd

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**(11)** AU-A-2019202471  
**(21)** 2019202471 **(22)** 09.04.2019  
**(54)** Plant complex for steel production and method for operating the plant complex  
**(51)** Int. Cl.  
**C21B 5/06** ( 2006.01 )  
**C21B 7/00** ( 2006.01 )  
**C21C 5/38** ( 2006.01 )

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**(62)** 2014361208  
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**(74)** Griffith Hack

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**(71)** TIMAG Technologies Pty Ltd  
**(11)** AU-A-2018247275  
**(21)** 2018247275 **(22)** 11.10.2018  
**(54)** Processing of impure titanium dioxide ore  
**(51)** Int. Cl.  
**C22B 34/12** ( 2006.01 )  
**C22B 5/10** ( 2006.01 )  
**C22B 7/04** ( 2006.01 )  
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**(43)** 02.05.2019  
**(72)** Ure, Christopher Raymond  
**(74)** Armour IP Pty Ltd

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**(71)** Topcon Positioning Systems, Inc.  
**(11)** AU-A-2019202384  
**(21)** 2019202384 **(22)** 05.04.2019  
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**(51)** Int. Cl.  
**A01B 79/00** ( 2006.01 )  
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**(74)** HopgoodGanim

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**(51)** Int. Cl.  
**A01K 85/02** ( 2006.01 )  
**(31)** 15/783,764 **(32)** 13.10.17 **(33)** US  
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**(72)** Toris, Georgios G.  
**(74)** Belyea IP

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**(54)** Backpack blower  
**(51)** Int. Cl.  
**A01G 20/47** ( 2018.01 )  
**A01G 20/43** ( 2018.01 )  
**A47L 5/14** ( 2006.01 )  
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**(72)** HOFFMAN, Ronald J.; NOLIN, Eric; HOLMAN, Christopher A.; ECKARD, Lance A.  
**(74)** Griffith Hack

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**(21)** 2019202515 **(22)** 10.04.2019  
**(54)** Vaccine composition  
**(51)** Int. Cl.  
**C12N 7/01** ( 2006.01 )  
**A61K 35/76** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
**C07K 14/145** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/12** ( 2006.01 )  
**C12N 15/47** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )

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**(71)** UOP LLC  
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**(21)** 2019202603 **(22)** 15.04.2019  
**(54)** PYROLYTIC REACTOR AND METHOD OF USING  
**(51)** Int. Cl.  
**B01J 3/08** ( 2006.01 )  
**B01J 19/26** ( 2006.01 )  
**C07C 2/00** ( 2006.01 )  
**C07C 11/22** ( 2006.01 )



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 (11) AU-A-2019202399  
 (21) 2019202399 (22) 05.04.2019  
 (54) SYSTEM AND METHOD FOR PROVIDING DISPUTE RESOLUTION FOR ELECTRONIC PAYMENT TRANSACTIONS  
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*G06Q 40/00* ( 2012.01 )  
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 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) Novel HA binding agents  
 (51) Int. Cl.  
*C07K 16/10* ( 2006.01 )  
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- (54) ELECTRIC MOTOR OPERATED KITCHEN APPLIANCE  
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*A47J 43/046* ( 2006.01 )  
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 (11) AU-A-2019202498  
 (21) 2019202498 (22) 10.04.2019  
 (54) AADC polynucleotides for the treatment of Parkinson's Disease  
 (51) Int. Cl.  
*A61K 45/06* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
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 (74) Griffith Hack
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 (51) Int. Cl.  
*A61F 13/20* ( 2006.01 )  
*A61F 13/26* ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick
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*E21B 17/02* ( 2006.01 )  
*E21B 47/12* ( 2012.01 )  
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 (21) 2017248419 (22) 17.10.2017  
 (54) AN ELECTRONIC METHOD AND A SYSTEM FOR PRODUCING A VISUAL REPRESENTATION OF OPTIONS FOR MAKING DECISIONS  
 (51) Int. Cl.  
*G06F 3/048* ( 2013.01 )  
*G06Q 10/00* ( 2012.01 )  
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 (72) WHITELAW, Adam Robert  
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 (54) Centrifugal screening apparatus  
 (51) Int. Cl.  
*B04B 3/00* ( 2006.01 )  
*B01D 33/067* ( 2006.01 )  
*B01D 33/11* ( 2006.01 )  
*B04B 9/10* ( 2006.01 )  
*B04B 11/00* ( 2006.01 )  
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 (72) HANHINIEMI, Jeremy; JERKS, Paul Joseph; THORNE, Robert Christopher  
 (74) Davies Collison Cave Pty Ltd
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- (71) Woodside Energy Technologies Pty Ltd  
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 (54) A Method for Offshore LNG Transfer from a FLNG Facility to a LNG Carrier  
 (51) Int. Cl.  
*B63B 27/24* ( 2006.01 )  
*B63B 21/50* ( 2006.01 )  
*B63B 22/02* ( 2006.01 )  
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 (74) Griffith Hack
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 (51) Int. Cl.  
*G01C 22/00* ( 2006.01 )  
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 (43) 02.05.2019  
 (72) Wotherspoon, Stephen  
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 (21) 2018247294 (22) 11.10.2018  
 (54) ELECTRONIC GAMING SYSTEM AND METHOD  
 (51) Int. Cl.  
     G07F 17/32 ( 2006.01 )  
     A63F 13/45 ( 2014.01 )  
     G06F 17/00 ( 2006.01 )  
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     G09F 13/34 ( 2006.01 )  
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(71) Xyleco, Inc.  
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 (21) 2019202306 (22) 03.04.2019  
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(71) Xyleco, Inc.  
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 (51) Int. Cl.  
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 (11) AU-A-2019202374  
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(71) ZAGGONLINE  
 (11) AU-A-2017248483  
 (21) 2017248483 (22) 18.10.2017  
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 (11) AU-A-2018247309  
 (21) 2018247309 (22) 12.10.2018  
 (54) Water Treatment Method  
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 (31) 2017904138 (32) 13.10.17 (33) AU  
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 (74) FB Rice Pty Ltd

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2017248410	Xie, M.	2018241199	Actuant Corporation
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2017418042	Beijing Didi Infinity Technology and Development Co., Ltd.	2018247206	CSR Building Products Limited
2017423558	Kong, B.W.M.	2018247222	Pangang Group Research Institute Co., Ltd.
2018201091	Intelligent Synthetic Biology Center	2018247224	Joy Global Underground Mining LLC
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2018202646	Adobe Inc.	2018247236	Santa Claus, O.
2018204372	Adobe Inc.	2018247241	Johnson & Johnson Consumer Inc.
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2018206708	Adobe Inc.	2018247265	Manneschi, A.
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2018226390	Illinois Tool Works Inc.	2018247343	Flex Ltd.
2018226391	Illinois Tool Works Inc.	2018247349	Doherty, A.
2018226392	Illinois Tool Works Inc.	2018247352	Actuant Corporation
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2018226394	Illinois Tool Works Inc.	2018250356	Schneider Electric Industries SAS
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		2019202295	AMARIN PHARMACEUTICALS IRELAND LIMITED

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<b><u>A01N 59 /-</u></b> 2019202466	<b><u>A47J 31 /-</u></b> 2018241171	<b><u>A61K 31 /-</u></b> 2019202254 2019202295 2019202311 2019202345 2019202415 2019202435 2019202441 2019202461 2019202473 2019202507 2019202510 2019202511 2019202568 2019202601 2019202604	<b><u>A61K 9 /-</u></b> 2019202415 2019202510 2019202511 2019202602	<b><u>A61P 35 /-</u></b> 2019202507 2019202515 2019202530	<b><u>B01J 3 /-</u></b> 2019202603
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	<b><u>A61B 1 /-</u></b> 2019202347 2019202450				<b><u>B04B 9 /-</u></b> 2018229555

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<b>B32B 21 /-</b> 2018241138	<b>B63H 20 /-</b> 2019202550	<b>C07C 2 /-</b> 2019202603	<b>C07K 7 /-</b> 2019202458	<b>C12N 7 /-</b> 2019202515	<b>D21H 19 /-</b> 2019202497
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<b>B32B 38 /-</b> 2019202566	<b>B65D 5 /-</b> 2018250426	<b>C07C 57 /-</b> 2019202311	<b>C07D 207 /-</b> 2019202428		<b>E03B 1 /-</b> 2018250467
	<b>B65D 73 /-</b> 2018247241				<b>E03C 1 /-</b> 2018241147

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<b>E04B 2 /-</b> 2018241059	<b>E21B 25 /-</b> 2018250417	<b>F24C 15 /-</b> 2019202623	<b>G03G 15 /-</b> 2019202358	<b>G06Q 50 /-</b> 2018241119 2018247343 2018250358 2019202087	<b>H01R 13 /-</b> 2019202333
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<b>E06B 1 /-</b> 2019200842	<b>F16H 63 /-</b> 2019202409	<b>G01N 33 /-</b> 2019202353 2019202374 2019202508 2019202597	<b>G06N 20 /-</b> 2018241119	<b>G08B 21 /-</b> 2018247277	<b>H04L 9 /-</b> 2018241170 2019202395
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Innovation Patents Open to Public Inspection

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

<p>(71) Advanced Substructures Ltd                      (11) AU-A-2016102393                      (21) 2016102393 (22) 27.10.2016                      (54) A Method of constructing a column, a tunnel, and a tunnel made from the method                      (51) Int. Cl.  <i>E02D 27/12</i> ( 2006.01 )  <i>E02D 27/32</i> ( 2006.01 )                      (31) 2015904407 (32) 27.10.15 (33) AU                      2015904406 27.10.15 AU                      (45) 02.05.2019                      (72) Airey, Peter Grant; Matty, Bassam Suleiman                      (74) WRAYS PTY LTD</p>	<p>J.; LOPATIN, Scott; STYER, Allison M.; ROCHETTE, Tommy                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(45) 02.05.2019                      (72) Aubin, Paul                      (74) Paul John Aubin</p>
<p>(71) ALLEN, T.                      (11) AU-A-2019100312                      (21) 2019100312 (22) 24.03.2019                      (54) Precursor mouthguard                      (51) Int. Cl.  <i>A61C 7/08</i> ( 2006.01 )  <i>A63B 71/08</i> ( 2006.01 )                      (45) 02.05.2019                      (72) ALLEN, TIMOTHY JAMES                      (74) TIMOTHY JAMES ALLEN</p>	<p>(71) Architectural Window Systems Pty Ltd                      (11) AU-A-2013101796                      (21) 2013101796 (22) 16.12.2013                      (54) A window lock assembly                      (51) Int. Cl.  <i>E05C 19/00</i> ( 2006.01 )  <i>E05F 11/02</i> ( 2006.01 )                      (31) 2013900969 (32) 20.03.13 (33) AU                      (45) 02.05.2019                      (72) McCleary, Mark                      (74) Spruson &amp; Ferguson</p>	<p>(71) AUSSIE FOOD TO YOU PTY LTD                      (11) AU-A-2019100235                      (21) 2019100235 (22) 05.03.2019                      (54) Creation of premium enhanced value add dairy products using Whitetide Technology                      (51) Int. Cl.  <i>A23C 3/00</i> ( 2006.01 )  <i>A23C 9/152</i> ( 2006.01 )  <i>A23C 13/08</i> ( 2006.01 )  <i>A23C 19/10</i> ( 2006.01 )  <i>A23L 2/42</i> ( 2006.01 )  <i>A23L 2/54</i> ( 2006.01 )                      (45) 02.05.2019                      (72) Askew, Peter                      (74) AUSSIE FOOD TO YOU PTY LTD</p>
<p>(71) Apple Inc.                      (11) AU-A-2016102352                      (21) 2016102352 (22) 20.09.2016                      (54) Devices, methods, and graphical user interfaces for manipulating user interface objects with visual and/or haptic feedback                      (51) Int. Cl.  <i>G06F 3/01</i> ( 2006.01 )                      (45) 02.05.2019                      (62) 2016203040                      (72) FOSS, Christopher P.; ANZURES, Freddy A.; DASCOLA, Jonathan R.; YANG, Lawrence Y.; WAN, Wan Si; BAUER, Sebastian J.; PU, Daniel E.; BACHMAN, William M.; CHANG, Jae Woo; GUTKNECHT, Olivier D.R.; HAJAS, Peter J.; TEUTSCHLER, Sophia; FRINGES, Alexander C.D.; KARUNAMUNI, Chanaka G.; APO-DACA, Gregory M.; CHAUDHRI, Imran A.; ALONSO RUIZ, Marcos; DYE, Alan C.; IVE, Jonathan; JISWARI, Mohammed N.; JUREWITZ, Michael T.; MOUSSETTE, Camille; KOCIENDA, Kenneth L.; LEMAY, Stephen O.; YERKES, Giancarlo; KING, Nicholas V.; MANZARI, Behkish J.; PENHA, Henrique D.; PRESTON, Daniel T.; WILSON, Christopher I.; LEONARD, Adam J.; TROTTIER, Lauren K.; FEDERIGHI, Craig M.; MIGOS, Charles</p>	<p>(71) ARKISTRUCT LIMITED                      (11) AU-A-2016102413                      (21) 2016102413 (22) 12.10.2016                      (54) A multifunctional fillet composite stud assembly and building system                      (51) Int. Cl.  <i>E04B 2/56</i> ( 2006.01 )  <i>E04B 1/94</i> ( 2006.01 )  <i>E04B 2/62</i> ( 2006.01 )  <i>E04B 2/76</i> ( 2006.01 )  <i>E04C 3/04</i> ( 2006.01 )  <i>E04C 3/32</i> ( 2006.01 )                      (31) 2015904146 (32) 12.10.15 (33) AU                      (45) 02.05.2019                      (72) LEE, Walter                      (74) IP SOLVED (ANZ) PTY. LTD.</p>	<p>(71) Bon Bon Boy - Collins Square Pty Ltd                      (11) AU-A-2015101936                      (21) 2015101936 (22) 13.01.2015                      (54) Soup preparation                      (51) Int. Cl.  <i>A47J 27/14</i> ( 2006.01 )  <i>A47J 39/00</i> ( 2006.01 )  <i>B67D 3/00</i> ( 2006.01 )                      (31) 624134 (32) 24.04.14 (33) NZ                      625167 19.05.14 NZ                      (45) 02.05.2019                      (72) Birchall, Craig                      (74) WADESON</p>
<p>(71) Arkistruct Ltd.                      (11) AU-A-2014101648                      (21) 2014101648 (22) 12.02.2014                      (54) A prefabricated panel building system                      (51) Int. Cl.  <i>E04B 2/56</i> ( 2006.01 )  <i>E04B 1/02</i> ( 2006.01 )  <i>E04B 1/343</i> ( 2006.01 )  <i>E04B 2/88</i> ( 2006.01 )  <i>E04C 2/00</i> ( 2006.01 )                      (45) 02.05.2019                      (72) Lee, Walter                      (74) IP SOLVED (ANZ) PTY. LTD.</p>	<p>(71) Aubin, P.                      (11) AU-A-2014101621                      (21) 2014101621 (22) 02.05.2014                      (54) A VEHICLE RECOVERY DEVICE AND METHOD OF USE                      (51) Int. Cl.  <i>B60D 1/18</i> ( 2006.01 )  <i>B60B 39/12</i> ( 2006.01 )  <i>B60C 27/02</i> ( 2006.01 )                      (31) 2013901550 (32) 02.05.13 (33) AU</p>	<p>(71) Breen, P.                      (11) AU-A-2014101638                      (21) 2014101638 (22) 04.11.2014                      (54) Docketing device and method                      (51) Int. Cl.  <i>G06Q 10/06</i> ( 2012.01 )  <i>G06Q 50/08</i> ( 2012.01 )                      (31) 2013904262 (32) 04.11.13 (33) AU                      (45) 02.05.2019                      (72) Breen, Paul                      (74) Ascot Martin</p>
<p>(71) BRENNAN BROADCAST GROUP PTY LTD                      (11) AU-A-2015101938                      (21) 2015101938 (22) 14.12.2015                      (54) ASSESSMENT OF SPORTING INCIDENTS                      (51) Int. Cl.  <i>H04N 5/225</i> ( 2006.01 )                      (31) 2014905050 (32) 12.12.14 (33) AU                      (45) 02.05.2019                      (72) Brennan, Warren                      (74) Patent Attorney Services</p>		

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(71) Certua Licensing Limited

(11) AU-A-2012101982

(21) 2012101982 (22) 19.10.2012

(54) Managing an insurance product with an insurance value chain

(51) Int. Cl.

**G06Q 40/08** ( 2012.01 )

(31) 61/548,890 (32) 19.10.11 (33) US

(45) 02.05.2019

(72) CONCANNON, Michael; LEVIN, John Anthony

(74) Walker IP

(71) Cheyne, B.

(11) AU-A-2016102410

(21) 2016102410 (22) 09.11.2016

(54) SHADE APPARATUS

(51) Int. Cl.

**B60J 7/10** ( 2006.01 )

(45) 02.05.2019

(72) Cheyne, Benjamin Scott

(74) TJIP Patents, Trade Marks & Designs

(71) China University of Mining & Technology, Beijing

(11) AU-A-2017101847

(21) 2017101847 (22) 22.03.2017

(54) Innovative Data Processing Method to Calibrate Mine Ventilation Network Models

(51) Int. Cl.

**E21F 1/00** ( 2006.01 )

(45) 02.05.2019

(72) HUANG, JINXIN; NIE, BAISHENG; XU, GUANG; LIN, JINGSI; DING, XUHAN

(74) China University of Mining & Technology, Beijing

(71) Chitashvili, V.

(11) AU-A-2019100310

(21) 2019100310 (22) 22.03.2019

(54) G088OFF (Get One 88% Off) is an innovative Marketing Strategy that places a particular emphasis on the concept of the 'Lucky Number 88 Discount'. It will be used in business campaigns to attract increasingly important customer segment and allow businesses to boost sales and save on traditional discounts. The strategy can be used as a part of different Marketing Campaigns containing '88%Off' in the title. To support the strategy ongoing, five new domains have been registered (go88off.com.au, go88off.com, go88off.cn, go88.com.au and go88.live) where businesses will advertise their goods.

(51) Int. Cl.

**G06Q 30/02** ( 2012.01 )

(45) 02.05.2019

(72) Chitashvili, Vladimir

(74) Vladimir Chitashvili

(71) Coinstorage Pty Ltd

(11) AU-A-2019100246

(21) 2019100246 (22) 07.03.2019

(54) Kit for backing up a crypto-currency wallet key

(51) Int. Cl.

**G06Q 20/36** ( 2012.01 )

**B65D 27/30** ( 2006.01 )

**B65D 27/32** ( 2006.01 )

**G06F 21/00** ( 2013.01 )

**G06Q 90/00** ( 2006.01 )

(31) 2018900741 (32) 07.03.18 (33) AU

(45) 02.05.2019

(72) Lee, Brendan

(74) Spruson & Ferguson

(71) Commercial Property Guide Pty Ltd

(11) AU-A-2019100283

(21) 2019100283 (22) 15.03.2019

(54) Suburb Rent Growth (SuRG) for Commercial Real Estate

(51) Int. Cl.

**G06Q 90/00** ( 2006.01 )

**G06Q 50/16** ( 2012.01 )

(45) 02.05.2019

(72) Rose, Stephen

(74) Commercial Property Guide Pty Ltd

(71) Cox, K.

(11) AU-A-2019100311

(21) 2019100311 (22) 23.03.2019

(54) HDPE marine pile mooring ring

(51) Int. Cl.

**B63B 21/06** ( 2006.01 )

**E02B 3/28** ( 2006.01 )

**F16G 11/14** ( 2006.01 )

(45) 02.05.2019

(72) Cox, Kevin

(74) Kevin Cox

(71) CRRC Yangtze CO., Ltd.

(11) AU-A-2016102401

(21) 2016102401 (22) 02.11.2016

(54) Hopper car body and hopper car for railway coal transportation

(51) Int. Cl.

**B61D 7/02** ( 2006.01 )

**B61D 7/26** ( 2006.01 )

**B61F 1/06** ( 2006.01 )

(31) 201510997076.0 (32) 25.12.15 (33) CN

(45) 02.05.2019

(72) Xu, Donghua; She, Jiangping; Liu, Fengwei; Liu, Wenliang; Yang, Yongqi-ang; Wang, Shouxiong; Wang, Baolei; Jiang, Baoliang; Hou, Jianyun; Yin, Gang; Peng, Quanhai; Xia, Wei; Wang, Minfeng; Chen, Xueliang

(74) Shelston IP Pty Ltd.

(71) Dale, N.

(11) AU-A-2015101904

(21) 2015101904 (22) 10.10.2015

(54) FITNESS ARTICLE AND METHOD OF USE

(51) Int. Cl.

**A63B 21/06** ( 2006.01 )

(31) 2014904044 (32) 10.10.14 (33) AU

(45) 02.05.2019

(72) DALE, Natalie Jane; CAMPBELL, Shane Raoul Ross

(74) TJIP Patents, Trade Marks & Designs

(71) Darth Industries Pty Ltd

(11) AU-A-2015101927

(21) 2015101927 (22) 17.09.2015

(54) Tile spacer

(51) Int. Cl.

**E04F 21/00** ( 2006.01 )

(31) 2014904200 (32) 21.10.14 (33) AU

(45) 02.05.2019

(72) Pereira, Jorge; Hoole, Damon

(74) Davies Collision Cave Pty Ltd

(71) DATA ONE TECHNOLOGIES PTY LTD

(11) AU-A-2019100273

(21) 2019100273 (22) 15.03.2019

(54) BinWin is a modern-day waste collection technology enabling councils and waste management authorities to manage waste effectively. The framework consists of IoT, AI, mobile & web applications integrated to monitor, track, and plan. The bins ensure eco-friendliness by keeping a constant check on fill levels enabling waste collection on a needs basis preventing over-flow, maintaining a hygienic environment using solar self-charging capability. BinWin promises to increase operational efficiencies in the waste collection chain, reducing cost and labour associated with rubbish collection & removal.

(51) Int. Cl.

**H04L 12/00** ( 2006.01 )

**B65F 1/14** ( 2006.01 )

(45) 02.05.2019

(72) Rajani, Kazim Raza; Naqvi, Naureen

(74) DATA ONE TECHNOLOGIES PTY LTD

(71) Delmoni, A.

(11) AU-A-2019100282

(21) 2019100282 (22) 15.03.2019

(54) Trim Chute

(51) Int. Cl.

**B65G 67/04** ( 2006.01 )

**B65G 69/04** ( 2006.01 )

(45) 02.05.2019

(62) 2016282078

(72) Delmoni, Alex

(74) Griffith Hack

(71) East West Lighting Pty Ltd

(11) AU-A-2017101833

(21) 2017101833 (22) 08.05.2017

(54) LIGHTING SYSTEM

(51) Int. Cl.

**H05B 33/06** ( 2006.01 )

**F21V 23/06** ( 2006.01 )

**H05B 33/08** ( 2006.01 )

**F21W 131/40** ( 2006.01 )

**F21Y 115/10** ( 2016.01 )

(31) 2016901659 (32) 06.05.16 (33) AU

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(45) 02.05.2019  
 (72) WALK, Lance Robert  
 (74) WRAYS PTY LTD

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(71) Fonewear Pty Ltd  
 (11) AU-A-2014101651  
 (21) 2014101651 (22) 05.11.2014  
 (54) Improvements to integrated personal mobile handset storage, access and use units  
 (51) Int. Cl.  
*H04M 1/05* ( 2006.01 )  
*A41D 27/20* ( 2006.01 )  
*G21F 1/10* ( 2006.01 )  
 (31) 2014900573 (32) 21.02.14 (33) AU  
 61/900,126 05.11.13 US

(45) 02.05.2019  
 (72) Crockett, Peter  
 (74) Shelston IP Pty Ltd.

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Foster, B. see Tonner, W.  
 (21) 2019100266

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(71) Gamma Logistics Pty Ltd  
 (11) AU-A-2018100984  
 (21) 2018100984 (22) 30.04.2018  
 (54) A transportation assembly for use in transporting of a compressible product  
 (51) Int. Cl.  
*B60P 7/12* ( 2006.01 )  
*A01D 90/00* ( 2006.01 )

(45) 02.05.2019  
 (62) 2015200589  
 (72) BATTAGLINO GARCIA, Angel Santiago  
 (74) Argon IP Advisory Pty Ltd

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(71) GEE Advanced Technologies Pty Ltd  
 (11) AU-A-2019100276  
 (21) 2019100276 (22) 15.03.2019  
 (54) Grow Light System and Apparatus  
 (51) Int. Cl.  
*A01G 7/04* ( 2006.01 )  
*A01G 9/26* ( 2006.01 )  
 (31) 2018900873 (32) 16.03.18 (33) AU  
 (45) 02.05.2019  
 (72) du Plessis, Urbain  
 (74) Anderson IP

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(71) Glidestore Freetrack Pty Ltd  
 (11) AU-A-2019100315  
 (21) 2019100315 (22) 25.03.2019  
 (54) Mobile shelving with strengthening support  
 (51) Int. Cl.  
*A47B 53/00* ( 2006.01 )  
*A47B 55/00* ( 2006.01 )  
*A47B 57/34* ( 2006.01 )  
 (45) 02.05.2019  
 (72) Parker, Brian  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

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(71) Gotjamanos, T.  
 (11) AU-A-2014101647  
 (21) 2014101647 (22) 30.06.2014

(54) TOOTH CARE DEVICE  
 (51) Int. Cl.  
*A46B 9/04* ( 2006.01 )  
*A46B 5/02* ( 2006.01 )  
 (31) 2013902581 (32) 12.07.13 (33) AU  
 (45) 02.05.2019  
 (72) Gotjamanos, Theo  
 (74) Wrays

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(71) Grant, W.  
 (11) AU-A-2019100313  
 (21) 2019100313 (22) 24.03.2019  
 (54) Swim Safe. Venturing into the ocean in an un-patrolled location?. Let us know.  
 (51) Int. Cl.  
*G08B 21/00* ( 2006.01 )  
 (45) 02.05.2019  
 (72) Grant, Wayne  
 (74) Wayne Grant

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(71) Greater Group International Holdings Limited  
 (11) AU-A-2016102371  
 (21) 2016102371 (22) 03.05.2016  
 (54) Configuring display structures with electrically powered functionality  
 (51) Int. Cl.  
*A47F 11/10* ( 2006.01 )  
*A47B 96/00* ( 2006.01 )  
*A47B 97/00* ( 2006.01 )  
*H01B 5/02* ( 2006.01 )  
*H01B 17/18* ( 2006.01 )  
*H02B 1/20* ( 2006.01 )  
 (45) 02.05.2019  
 (62) 2013325118  
 (72) Waddington, Ross; Walsh, Gary Noel  
 (74) Davies Collison Cave Pty Ltd

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(71) Hager Electro GmbH & Co. KG  
 (11) AU-A-2016102388  
 (21) 2016102388 (22) 24.06.2016  
 (54) Connecting element, box part and assembly kit for forming a box that is to be built into a wall recess  
 (51) Int. Cl.  
*H04Q 1/14* ( 2006.01 )  
*E04F 19/00* ( 2006.01 )  
*H04Q 1/06* ( 2006.01 )  
 (45) 02.05.2019  
 (62) 2014240199  
 (72) THEUER, Markus; NUNEZ, Sergi Tornos  
 (74) Cotters Patent & Trade Mark Attorneys

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(71) Hanft, J.  
 (11) AU-A-2017101826  
 (21) 2017101826 (22) 20.12.2017  
 (54) Protective patient footwear design and manufacturing system and methods  
 (51) Int. Cl.  
*G06F 17/50* ( 2006.01 )  
 (45) 02.05.2019  
 (62) 2014241097  
 (72) Hanft, Jason R.  
 (74) FB Rice Pty Ltd

(71) HAPPY OCEAN (BEIJING) WATER TECHNOLOGY CO., LTD.  
 (11) AU-A-2015101915  
 (21) 2015101915 (22) 20.03.2015  
 (54) USES OF MULTIPOLAR MICROKINETIC DRINKING WATER IN PREPARING DRINK, HEALTHCARE PRODUCT OR MEDICAMENT FOR REDUCING BLOOD UREA  
 (51) Int. Cl.  
*A23L 2/38* ( 2006.01 )  
*A61K 33/00* ( 2006.01 )  
*A61P 39/00* ( 2006.01 )  
*C02F 1/48* ( 2006.01 )  
 (45) 02.05.2019  
 (72) WANG, Weixing  
 (74) Collison & Co

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(71) HAPPY OCEAN (BEIJING) WATER TECHNOLOGY CO., LTD.  
 (11) AU-A-2015101916  
 (21) 2015101916 (22) 20.03.2015  
 (54) USES OF MULTIPOLAR MICROKINETIC DRINKING WATER IN PREPARING DRINK, HEALTHCARE PRODUCT OR MEDICAMENT FOR USE IN REDUCING BLOOD UREA  
 (51) Int. Cl.  
*A23L 2/38* ( 2006.01 )  
*A61K 33/00* ( 2006.01 )  
*A61P 39/00* ( 2006.01 )  
*C02F 1/48* ( 2006.01 )  
 (45) 02.05.2019  
 (72) WANG, Weixing  
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(71) Holliday, D.  
 (11) AU-A-2019100301  
 (21) 2019100301 (22) 21.03.2019  
 (54) SWIMSUIT  
 (51) Int. Cl.  
*A41D 13/012* ( 2006.01 )  
*A41D 7/00* ( 2006.01 )  
*B63C 11/04* ( 2006.01 )  
 (31) 2018900952 (32) 22.03.18 (33) AU  
 (45) 02.05.2019  
 (72) Holliday, Dan  
 (74) Adams Pluck

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(71) Huwais, S.; Huwais IP Holding LLC  
 (11) AU-A-2015101930  
 (21) 2015101930 (22) 13.03.2015  
 (54) Hydro-mechanical autografting tool and method of use  
 (51) Int. Cl.  
*A61C 8/00* ( 2006.01 )  
 (31) 61/953,415 (32) 14.03.14 (33) US  
 62/007,811 04.06.14 US  
 (45) 02.05.2019  
 (72) Huwais, Salah  
 (74) Shelston IP Pty Ltd.

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Huwais IP Holding LLC see Huwais, S.  
 (21) 2015101930

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(71) iGeneTech Biotech (Beijing) Co., Ltd.  
 (11) AU-A-2016102398  
 (21) 2016102398 (22) 21.11.2016  
 (54) Method for enriching target nucleic acid sequence from nucleic acid sample  
 (51) Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
 (31) 201610250133.3 (32) 22.04.16 (33) CN  
 (45) 02.05.2019  
 (72) Cai, Wanshi; Wang, Ruichao; Qu, Wubin; Hang, Xingyi  
 (74) CreatelP

(71) Illusio, Inc.  
 (11) AU-A-2016102387  
 (21) 2016102387 (22) 21.06.2016  
 (54) Augmented reality imaging system for cosmetic surgical procedures  
 (51) Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61F 2/00** ( 2006.01 )  
 (31) 62/250,888 (32) 04.11.15 (33) US  
 (45) 02.05.2019  
 (72) WINNER, Ethan; PLATT, Preston  
 (74) Griffith Hack

(71) Innotad Pte. Ltd.  
 (11) AU-A-2019100269  
 (21) 2019100269 (22) 14.03.2019  
 (54) METHOD FOR REDUCING EMISSIONS AND IMPROVING COMBUSTION EFFICIENCY AND ENGINE PERFORMANCE USING PYRO-ELECTRIC IONISATION  
 (51) Int. Cl.  
**F02B 1/04** ( 2006.01 )  
 (31) 10201810674P (32) 28.11.18 (33) SG  
 (45) 02.05.2019  
 (72) Jesudasan, Gabriel Nesadurai; Leo, Chin Ming Hung  
 (74) Phillips Ormonde Fitzpatrick

(71) Instyle Contract Textiles Pty Ltd  
 (11) AU-A-2018102128  
 (21) 2018102128 (22) 23.10.2018  
 (54) Ceiling module  
 (51) Int. Cl.  
**E04B 9/36** ( 2006.01 )  
 (31) 2018903991 (32) 22.10.18 (33) AU  
 (45) 02.05.2019  
 (72) Adams, Philip  
 (74) Shelston IP Pty Ltd.

(71) Instytut Technik Innowacyjnych EMAG  
 (11) AU-A-2014101639  
 (21) 2014101639 (22) 13.11.2014  
 (54) Method and system for assessing a risk of high-energy earth bursts generated by underground mining  
 (51) Int. Cl.  
**G01V 1/00** ( 2006.01 )  
 (31) P.409990 (32) 30.10.14 (33) PL  
 (45) 02.05.2019  
 (72) Isakow, Zbigniew; Juzwa, Jacek; Piwowarski, Wieslaw; Dzik, Grazyna  
 (74) Acumen Intellectual Property

(71) Intex Holdings Pty Ltd  
 (11) AU-A-2019100302  
 (21) 2019100302 (22) 21.03.2019  
 (54) Temperature control of a modular building  
 (51) Int. Cl.  
**F24S 20/64** ( 2018.01 )  
**E04B 1/18** ( 2006.01 )  
**E04B 5/48** ( 2006.01 )  
**F24D 3/14** ( 2006.01 )  
**F24S 10/70** ( 2018.01 )  
 (45) 02.05.2019  
 (72) Davies, Roger  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Jilin Province Biquan Health Food Development Co., Ltd.  
 (11) AU-A-2019100062  
 (21) 2019100062 (22) 21.01.2019  
 (54) AtD-SAT Transgenic Yeast Strain, Small Molecular Peptides and Their Application  
 (51) Int. Cl.  
**A61K 38/01** ( 2006.01 )  
**A61K 38/02** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**C07K 2/00** ( 2006.01 )  
**C12N 1/19** ( 2006.01 )  
**C12P 1/02** ( 2006.01 )  
 (45) 02.05.2019  
 (72) LI, Wannan; GAO, Xuefeng; FU, Xueqi; GAO, Bo; LIU, Jianing; ZHANG, Xi; HAN, Lu; HAN, Xiao; HU, Junhan; SHEN, Fangzhou; LIU,, Shang  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) Kreuger, J.  
 (11) AU-A-2019100275  
 (21) 2019100275 (22) 15.03.2019  
 (54) METHOD OF TREATMENT FOR PROCESSING ANIMAL PARTS AND PRODUCTION OF NOVELTY ITEMS  
 (51) Int. Cl.  
**C14B 17/08** ( 2006.01 )  
**C14B 1/02** ( 2006.01 )  
**C14B 99/00** ( 2006.01 )  
 (45) 02.05.2019  
 (72) Kreuger, John Anthony Arie  
 (74) TJIP Patents, Trade Marks & Designs

(71) Ladson, N.  
 (11) AU-A-2019100325  
 (21) 2019100325 (22) 28.03.2019  
 (54) STAKE END DRIPPER  
 (51) Int. Cl.  
**A01G 25/02** ( 2006.01 )  
**A01G 27/00** ( 2006.01 )  
**B05B 1/06** ( 2006.01 )  
**F16L 35/00** ( 2006.01 )  
 (31) 2018901029 (32) 28.03.18 (33) AU  
 (45) 02.05.2019  
 (72) Ladson, Norman  
 (74) David Shanks & Associates

(71) Lincups Pty Ltd  
 (11) AU-A-2018102131  
 (21) 2018102131 (22) 26.11.2018  
 (54) PACKING BOX  
 (51) Int. Cl.  
**B65D 5/10** ( 2006.01 )  
**B65D 5/42** ( 2006.01 )  
**B65D 5/66** ( 2006.01 )  
 (45) 02.05.2019  
 (72) Boocock, Olivia; Shadwell, Douglas  
 (74) Madderns Pty Ltd

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 (45) 02.05.2019  
 (72) Barnes, Jason Ross; Carden, Robert  
 Selwyn; Chadwick, Philip John  
 (74) James & Wells Intellectual Property

(71) TMS Global Services Pty Ltd  
 (11) AU-A-2013101797  
 (21) 2013101797 (22) 09.10.2013  
 (54) Gaming System and Method  
 (51) Int. Cl.  
 A63F 13/00 ( 2006.01 )  
 (31) 2012904480 (32) 12.10.12 (33) AU  
 (45) 02.05.2019  
 (72) Veverka, Mike; Board, Bradley David  
 (74) Spruson & Ferguson

(71) Tonner, W.; Foster, B.  
 (11) AU-A-2019100266  
 (21) 2019100266 (22) 13.03.2019  
 (54) Bluesight SineSafe Research and  
 Development of SineSafe A lighting sys-  
 tem for surfaces using a method of in-  
 tegrated electrical energy and materi-  
 al reaction that results in illumination of  
 part of a material such that the react-

ive area can be recognised against the  
 non-reactive area of the material when  
 an electric current passes through the  
 material. The electrical current can be  
 activated by local switching or via a cel-  
 lular network or radio signal. The sys-  
 tem is for primary use on exterior of air-  
 craft, vehicles and marine craft.

(51) Int. Cl.  
 G09F 13/22 ( 2006.01 )  
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(45) 02.05.2019  
 (72) Tonner, William Fraser Allan; Foster,  
 Brian  
 (74) William Fraser Allan Tonner

(71) Truckmate Australia Pty Limited  
 (11) AU-A-2019100322  
 (21) 2019100322 (22) 26.03.2019  
 (54) Mudflap  
 (51) Int. Cl.  
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 B29C 63/48 ( 2006.01 )  
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 (72) McKee, Ian; Hepworth, Luke  
 (74) FB Rice Pty Ltd

(71) TTI (Macao Commercial Offshore) Lim-  
 ited  
 (11) AU-A-2017101838  
 (21) 2017101838 (22) 17.03.2017  
 (54) Modular garage door opener  
 (51) Int. Cl.  
 G07C 9/00 ( 2006.01 )  
 (31) 62/321,188 (32) 11.04.16 (33) US  
 (45) 02.05.2019  
 (72) McNabb, William; Huggins, Mark; Whit-  
 mire, J. Porter  
 (74) Griffith Hack

(71) TTI (MACAO COMMERCIAL OFF-  
 SHORE) LIMITED  
 (11) AU-A-2019100245  
 (21) 2019100245 (22) 07.03.2019  
 (54) Arrangement for battery pack protection  
 during fluid ingress  
 (51) Int. Cl.  
 H01M 2/32 ( 2006.01 )  
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 (72) WILLEY, Brent M.; MALEKI, Hossein;  
 MARINO, Ryan J.  
 (74) Griffith Hack

(71) Unilumin Group Co., Ltd.  
 (11) AU-A-2018102124  
 (21) 2018102124 (22) 12.01.2018  
 (54) Connection lock for use with LED dis-  
 play screen case body  
 (51) Int. Cl.  
 F16B 1/04 ( 2006.01 )  
 H05K 5/02 ( 2006.01 )  
 (31) 201720366839.6 (32) 10.04.17 (33) CN

(45) 02.05.2019  
 (72) He, Jinfeng; Yang, Zhenli  
 (74) FB Rice Pty Ltd

(71) UNTHA shredding technology GmbH  
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 (21) 2017101840 (22) 07.04.2017  
 (54) Comminution machine  
 (51) Int. Cl.  
 B02C 13/282 ( 2006.01 )  
 B02C 18/16 ( 2006.01 )  
 B02C 18/22 ( 2006.01 )  
 (31) 16167740.6 (32) 29.04.16 (33) EP  
 (45) 02.05.2019  
 (72) Pischon, Stefan; Rest, Andreas  
 (74) Spruson & Ferguson

(71) Velasquez Uzabeaga, C.  
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 (21) 2019100298 (22) 20.03.2019  
 (54) LEGAL AGENCY MARKETPLACE  
 SYSTEM  
 (51) Int. Cl.  
 G06Q 10/02 ( 2012.01 )  
 G06Q 10/06 ( 2012.01 )  
 G06Q 10/10 ( 2012.01 )  
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 (74) LEGALVISION ILP PTY. LTD.

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 B65D 5/42 ( 2006.01 )  
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 B65D 81/18 ( 2006.01 )  
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(71) Wang, Q.  
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 (21) 2019100274 (22) 15.03.2019  
 (54) A TAP TIMER SYSTEM, METHOD  
 AND APPARATUS CAPABLE OF DE-  
 TECTING DEVICE FALL ACCIDENT  
 AND NOTIFYING USER IN A TIMELY  
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 (51) Int. Cl.  
 A01G 27/00 ( 2006.01 )  
 A01G 25/16 ( 2006.01 )

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**G05B 23/00** ( 2006.01 )

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(74) Qi Wang

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(71) WANG, H.

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(51) Int. Cl.

**B05B 11/00** ( 2006.01 )

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(54) A method of transmitting data and a device and system thereof

(51) Int. Cl.

**H04W 88/02** ( 2009.01 )

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(72) MA, Chor Tin; WONG, Ming Yip Wallace

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(71) Williamswn Holdings Limited

(11) AU-A-2015101928

(21) 2015101928 (22) 28.01.2015

(54) Brewing apparatus and method of use

(51) Int. Cl.

**C12C 13/02** ( 2006.01 )

**C12C 11/00** ( 2006.01 )

**C12C 13/10** ( 2006.01 )

(31) 620490 (32) 29.01.14 (33) NZ

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(72) Wood, Samuel Wilfred

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2016102400	Lo, P.	2019100326	Molony, A.S.E.; O'Sullivan, A.M.
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2016102402	Spanton, C.; Posadowski, A.		
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<p>(71) 3M Innovative Properties Company                      (11) AU-A-2017342350                      (21) 2017342350 (22) 12.10.2017                      (54) Methods and apparatus for generating energy using fall protection devices                      (51) Int. Cl.  <i>A62B 35/00</i> ( 2006.01 )  <i>E04G 21/00</i> ( 2006.01 )  <i>F03G 5/04</i> ( 2006.01 )</p>	<p>(71) 3M Innovative Properties Company                      (11) AU-A-2017347538                      (21) 2017347538 (22) 05.09.2017                      (54) Methods and kits for removing calculus using a metal ion and bicarbonate                      (51) Int. Cl.  <i>A61K 8/20</i> ( 2006.01 )  <i>A61K 8/19</i> ( 2006.01 )  <i>A61Q 11/00</i> ( 2006.01 )                      (87) WO2018/075150                      (31) 62/410,711 (32) 20.10.16 (33) US                      (43) 26.04.2018                      (72) Kohler Riedi, Petra L.; Hajime, Evan Koon Lun Yuuji; Swanson, Steven P.;</p>	<p>(71) AbbVie S.à.r.l.; Galapagos NV                      (11) AU-A-2017339249                      (21) 2017339249 (22) 06.10.2017                      (54) Substituted pyrrolidines and their use in the treatment of cystic fibrosis                      (51) Int. Cl.  <i>C07D 401/14</i> ( 2006.01 )  <i>A61K 31/4025</i> ( 2006.01 )  <i>A61P 11/00</i> ( 2006.01 )  <i>C07D 207/14</i> ( 2006.01 )  <i>C07D 207/48</i> ( 2006.01 )  <i>C07D 401/04</i> ( 2006.01 )  <i>C07D 405/06</i> ( 2006.01 )                      (87) WO2018/065962                      (31) 62/405,598 (32) 07.10.16 (33) US</p>

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A61G 13/00 (2006.01)  
F21V 1/00 (2006.01)  
G01B 9/08 (2006.01)  
G01S 3/786 (2006.01)  
G09G 3/32 (2016.01)  
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F21S 2/00 (2016.01)  
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F21S 10/00 (2006.01)  
F21V 21/00 (2006.01)  
F21V 23/00 (2015.01)  
H05B 37/02 (2006.01)  
H05B 41/02 (2006.01)  
H05B 41/36 (2006.01)  
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A61K 35/13 (2015.01)  
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**H04M 1/725** ( 2006.01 )
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**B05B 1/30** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )  
**B05B 12/00** ( 2018.01 )  
**B05B 12/02** ( 2006.01 )

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**(54)** Method of preparing hydroxyalkyl-carboxylic acid esters  
**(51)** Int. Cl.  
**C07C 67/08** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A01N 43/58** ( 2006.01 )  
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*B09C 1/08* ( 2006.01 )  
*C02F 3/02* ( 2006.01 )  
*C02F 3/34* ( 2006.01 )  
*C12N 1/26* ( 2006.01 )  
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**A61N 1/36** ( 2006.01 )  
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**C22C 38/02** ( 2006.01 )  
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**C22C 38/24** ( 2006.01 )  
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**(54)** Pharmaceutical compounds  
**(51)** Int. Cl.  
**C07D 413/14** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**A61K 31/4184** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C12N 5/078** ( 2010.01 )  
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 fied allogenic cells suitable for therapy  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**C07K 14/725** ( 2006.01 )  
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**(54)** Methods for cell label classification  
**(51)** Int. Cl.  
**C12Q 1/6869** ( 2018.01 )  
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**(51)** Int. Cl.  
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**(54)** Passive device for vapor intrusion  
 sampling  
**(51)** Int. Cl.  
**G01N 33/497** ( 2006.01 )  
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**G01N 7/00** ( 2006.01 )  
**G01N 33/38** ( 2006.01 )  
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 Niemet, Michael  
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 upper and lower towers and associated  
 methods  
**(51)** Int. Cl.  
**B65D 19/00** ( 2006.01 )  
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 Jeffrey Ryan; Wolos, Gregory; Brandt,  
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 Oivind; D'Emidio, Brandon Michael  
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**(21)** 2017360375 **(22)** 13.10.2017  
**(54)** Plastic pallet with support blocks having  
 upper towers and associated methods  
**(51)** Int. Cl.  
**B65D 19/22** ( 2006.01 )  
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**(31)** 15/357,281 **(32)** 21.11.16 **(33)** US  
**(43)** 24.05.2018  
**(72)** Storteboom, John Thomas; Chapin,  
 Jeffrey Ryan; Wolos, Gregory; Brandt,  
 Kenneth; Lantz, Daniel J.; Brockmeier,  
 Oivind; D'Emidio, Brandon Michael  
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**(71)** CHEP Technology Pty Limited  
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**(21)** 2017360377 **(22)** 13.10.2017  
**(54)** Plastic pallet with support blocks having  
 inner and outer blocks and associated  
 methods  
**(51)** Int. Cl.  
**B65D 19/22** ( 2006.01 )  
**(87)** WO2018/093500  
**(31)** 15/357,330 **(32)** 21.11.16 **(33)** US  
**(43)** 24.05.2018  
**(72)** Storteboom, John Thomas; Chapin,  
 Jeffrey Ryan; Wolos, Gregory; Brandt,  
 Kenneth; Lantz, Daniel J.; Brockmeier,  
 Oivind; D'Emidio, Brandon Michael  
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**(71)** Chiesi Farmaceutici S.p.A.  
**(11)** AU-A-2017349790  
**(21)** 2017349790 **(22)** 11.10.2017  
**(54)** Device for facilitating the administration  
 of a medicament to the lung by a cath-  
 eter  
**(51)** Int. Cl.  
**A61M 16/04** ( 2006.01 )  
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**A61M 11/02** ( 2006.01 )  
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**(43)** 03.05.2018  
**(72)** Dellaca', Raffaele; Milesi, Ilaria  
**(74)** Lord & Company

**(71)** China Railway Engineering Equipment  
 Group Co., Ltd.  
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**(54)** Telescopic gage disc cutter box  
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 (54) Apparatus and method for synchronously monitoring radial and axial vibration of shearer drum  
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 (74) Lord & Company
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 (72) Kim, Soo Jin  
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- (71) Chugai Seiyaku Kabushiki Kaisha; F. Hoffmann-La Roche AG  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (74) Shelston IP Pty Ltd.
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(54) Display support system  
(51) Int. Cl.  
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*F16M 11/24* ( 2006.01 )  
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(31) 15/331,090 (32) 21.10.16 (33) US  
(43) 26.04.2018  
(72) Lau, Alex  
(74) Griffith Hack
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- (71) Colgate-Palmolive Company  
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(54) Container  
(51) Int. Cl.  
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(54) Oral care composition having enhanced appearance and form  
(51) Int. Cl.  
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(21) 2017345685 (22) 20.10.2017  
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(51) Int. Cl.  
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*C11D 3/37* ( 2006.01 )  
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*A61P 31/18* ( 2006.01 )  
*A61P 31/22* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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*C07D 205/12* ( 2006.01 )  
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     **A47J 43/00** ( 2006.01 )  
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 (51) Int. Cl.  
     **A61Q 17/00** ( 2006.01 )  
     **A01N 63/02** ( 2006.01 )  
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 od of manufacturing thereof  
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 electromagnetic sensor based on a  
 map  
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 son, Marcus; Lundell, Hans Magnus  
 Henrik  
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 (54) A method of performing diffusion  
 weighted magnetic resonance meas-  
 urements on a sample  
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 bore  
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     **B62D 6/00** ( 2006.01 )  
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 (51) Int. Cl.  
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     **B65B 55/18** ( 2006.01 )  
     **B65D 75/30** ( 2006.01 )  
     **B65D 81/20** ( 2006.01 )  
     **B29C 65/18** ( 2006.01 )  
     **B65B 11/52** ( 2006.01 )  
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 Ciocca, Maurizio  
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 (54) Merchant bidding and rewards on con-  
 sumer intent  
 (51) Int. Cl.  
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*B01J 20/26* ( 2006.01 )  
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 (51) Int. Cl.  
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     **C08L 1/28** ( 2006.01 )  
     **C08L 23/00** ( 2006.01 )  
     **C08L 33/04** ( 2006.01 )  
     **C08L 67/00** ( 2006.01 )  
     **C08L 71/02** ( 2006.01 )  
     **C08L 75/04** ( 2006.01 )  
     **C08L 97/02** ( 2006.01 )  
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 (72) Chen, Xue; King, Stephen W.  
 (74) Madderns Pty Ltd
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 (21) 2017335840 (22) 28.09.2017  
 (54) Treated porous material  
 (51) Int. Cl.  
     **B27K 3/15** ( 2006.01 )  
     **C08H 8/00** ( 2010.01 )  
     **C08L 63/00** ( 2006.01 )  
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- (71) Dow Global Technologies LLC  
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 (54) Treated porous material  
 (51) Int. Cl.  
     **B27K 3/15** ( 2006.01 )  
     **C08H 8/00** ( 2010.01 )  
     **C08K 5/17** ( 2006.01 )  
     **C08L 23/08** ( 2006.01 )  
     **C08L 33/08** ( 2006.01 )  
     **C08L 63/00** ( 2006.01 )  
     **C08L 63/04** ( 2006.01 )  
     **C08L 79/02** ( 2006.01 )  
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 (11) AU-A-2017335848  
 (21) 2017335848 (22) 28.09.2017  
 (54) Treated porous material  
 (51) Int. Cl.  
     **B27K 3/15** ( 2006.01 )  
     **C08L 71/02** ( 2006.01 )  
     **C08L 97/02** ( 2006.01 )  
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 (54) Treated porous material  
 (51) Int. Cl.  
     **B27K 3/15** ( 2006.01 )  
     **B27K 3/50** ( 2006.01 )  
     **C08L 23/20** ( 2006.01 )  
     **C08L 23/22** ( 2006.01 )  
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 (51) Int. Cl.  
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 (11) AU-A-2017328249  
 (21) 2017328249 (22) 18.09.2017  
 (54) Orthodontic system with tooth movement and position measuring, monitoring, and control  
 (51) Int. Cl.  
     **A61C 7/08** ( 2006.01 )  
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 (54) Container and closure assembly with predetermined humidity and related method  
 (51) Int. Cl.  
     **A61K 9/20** ( 2006.01 )  
     **B65B 61/22** ( 2006.01 )  
     **B65D 1/40** ( 2006.01 )  
     **B65D 83/04** ( 2006.01 )  
     **F26B 5/16** ( 2006.01 )  
     **F26B 21/02** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (54) Geranylgeranyl pyrophosphate synthases  
 (51) Int. Cl.  
     **C12N 9/10** ( 2006.01 )  
     **C12N 15/52** ( 2006.01 )  
     **C12P 19/44** ( 2006.01 )  
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 (51) Int. Cl.  
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     **B33Y 10/00** ( 2015.01 )  
     **B33Y 70/00** ( 2015.01 )  
     **C08F 290/06** ( 2006.01 )  
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 (21) 2017360365 (22) 10.10.2017  
 (54) Lasofoxi-fene treatment of ER+ breast cancer  
 (51) Int. Cl.  
     **A61K 31/00** ( 2006.01 )  
     **A61K 31/40** ( 2006.01 )  
     **A61K 45/06** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **A61P 35/04** ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2017346959  
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 (54) A management system and method for regulating the on-demand electrolytic

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**(51)** Int. Cl.  
**F02M 25/12** ( 2006.01 )  
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**F02D 19/06** ( 2006.01 )  
**F02D 43/00** ( 2006.01 )  
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**(72)** Bridge, David; Hoffman, Ruston Jeroen  
**(74)** Adams Pluck
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**(11)** AU-A-2017362950  
**(21)** 2017362950 **(22)** 14.11.2017  
**(54)** Cellulose/polysaccharide composites  
**(51)** Int. Cl.  
**C08L 1/00** ( 2006.01 )  
**C08L 5/00** ( 2006.01 )  
**(87)** WO2018/093748  
**(31)** 62/422,629 **(32)** 16.11.16 **(33)** US  
**(43)** 24.05.2018  
**(72)** Behabtu, Natnael  
**(74)** Houlihan<sup>2</sup> Pty Ltd
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- (71)** Eagle Industry Co., Ltd.; NOK Corporation  
**(11)** AU-A-2017341527  
**(21)** 2017341527 **(22)** 29.09.2017  
**(54)** Sliding component  
**(51)** Int. Cl.  
**F16J 15/34** ( 2006.01 )  
**C23C 16/27** ( 2006.01 )  
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**(31)** 2016-202393 **(32)** 14.10.16 **(33)** JP  
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**(74)** Shelston IP Pty Ltd.
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- (71)** Eastern Technologies, Inc.  
**(11)** AU-A-2017336807  
**(21)** 2017336807 **(22)** 29.09.2017  
**(54)** Oxidative reductive potential water solution, processes for producing same and methods of using the same  
**(51)** Int. Cl.  
**A61L 27/30** ( 2006.01 )  
**A61L 15/18** ( 2006.01 )  
**A61L 17/00** ( 2006.01 )  
**A61L 26/00** ( 2006.01 )  
**A61L 29/10** ( 2006.01 )  
**A61L 31/08** ( 2006.01 )  
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**(43)** 05.04.2018  
**(72)** Moroney, Mark Steven  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2017328976  
**(21)** 2017328976 **(22)** 15.09.2017
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**(51)** Int. Cl.  
**G06Q 30/06** ( 2012.01 )  
**G06Q 50/00** ( 2006.01 )  
**(87)** WO2018/051184  
**(31)** 62/395,741 **(32)** 16.09.16 **(33)** US  
**(43)** 22.03.2018  
**(72)** Levi, Or; Schwartz, Ofer; Rizmovich, Itay; Kost, Amir  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2017343891  
**(21)** 2017343891 **(22)** 03.10.2017  
**(54)** Process for the preparation of a concentrate of metals, rare metals and rare earth metals from residues of alumina production by bayer process or from materials with a chemical composition similar to said residues, and refinement of the concentrate so obtained  
**(51)** Int. Cl.  
**C22B 1/00** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 59/00** ( 2006.01 )  
**(87)** WO2018/069945  
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**(43)** 19.04.2018  
**(72)** Imerito, Aldo  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** EDGe Surgical, Inc.  
**(11)** AU-A-2017355438  
**(21)** 2017355438 **(22)** 02.11.2017  
**(54)** Surgical depth instrument having neuro-monitoring capabilities  
**(51)** Int. Cl.  
**A61B 5/107** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**(87)** WO2018/085537  
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**(43)** 11.05.2018  
**(72)** Jacobs, Jordan N.; Wilson, Christopher; Rioux, Robert F.  
**(74)** Shelston IP Pty Ltd.
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- (71)** ELC Management LLC; Kaist University  
**(11)** AU-A-2017350177  
**(21)** 2017350177 **(22)** 03.02.2017  
**(54)** System and method for correcting color of digital image based on the human sclera and pupil  
**(51)** Int. Cl.  
**G06T 5/00** ( 2006.01 )  
**G06K 9/00** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**G06T 7/33** ( 2017.01 )  
**G06T 7/90** ( 2017.01 )  
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**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-A-2017330160  
**(21)** 2017330160 **(22)** 22.09.2017  
**(54)** Wellbore control device  
**(51)** Int. Cl.  
**E21B 29/08** ( 2006.01 )  
**E21B 33/06** ( 2006.01 )  
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**(31)** 1616264.6 **(32)** 26.09.16 **(33)** GB  
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**(72)** Norbom, Erik  
**(74)** FB Rice Pty Ltd
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- (71)** Electro-Flow Controls Limited  
**(11)** AU-A-2017319228  
**(21)** 2017319228 **(22)** 01.09.2017  
**(54)** Riser gas handling system and method of use  
**(51)** Int. Cl.  
**E21B 17/01** ( 2006.01 )  
**E21B 21/00** ( 2006.01 )  
**(87)** WO2018/042186  
**(31)** 1614974.2 **(32)** 02.09.16 **(33)** GB  
**(43)** 08.03.2018  
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**(74)** Phillips Ormonde Fitzpatrick
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**(21)** 2016429639 **(22)** 15.11.2016  
**(54)** Monitoring arrangement for domestic or commercial electrical appliances  
**(51)** Int. Cl.  
**H02J 3/01** ( 2006.01 )  
**G01R 19/25** ( 2006.01 )  
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**(43)** 24.05.2018  
**(72)** Rizzo, Luca  
**(74)** Halfords IP
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- (71)** Electrolux Appliances Aktiebolag  
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**(21)** 2017372764 **(22)** 10.11.2017  
**(54)** Cooling system for an oven door of a cooking oven  
**(51)** Int. Cl.  
**F24C 15/04** ( 2006.01 )  
**F24C 15/32** ( 2006.01 )  
**(87)** WO2018/104000  
**(31)** 16202607.4 **(32)** 07.12.16 **(33)** EP  
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**(72)** Catalogne, Cedric; Specht, Trevor; Sokovets, Dmytro  
**(74)** Halfords IP
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- (71)** Electrolux do Brasil S.A.  
**(11)** AU-A-2016427897  
**(21)** 2016427897 **(22)** 25.10.2016  
**(54)** Pre-drain unbalance detection in a washing machine  
**(51)** Int. Cl.  
**D06F 33/02** ( 2006.01 )  
**D06F 37/20** ( 2006.01 )  
**D06F 37/22** ( 2006.01 )

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**(72)** Valério, Cristiano Candido; Palmeira, Eduardo Jordão Santos De Sá  
**(74)** Halfords IP

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**(54)** Neural network for generating synthetic medical images  
**(51)** Int. Cl.  
**A61N 5/10** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G01R 33/56** ( 2006.01 )  
**G06T 11/00** ( 2006.01 )  
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 62/408,676 14.10.16 US  
**(43)** 15.03.2018  
**(72)** Han, Xiao  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Elekta, Inc.  
**(11)** AU-A-2017324627  
**(21)** 2017324627 **(22)** 11.08.2017  
**(54)** System and method for learning models of radiotherapy treatment plans to predict radiotherapy dose distributions  
**(51)** Int. Cl.  
**A61N 5/10** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 3/04** ( 2006.01 )  
**G06N 3/08** ( 2006.01 )  
**(87)** WO2018/048575  
**(31)** 62/384,192 **(32)** 07.09.16 **(33)** US  
**(43)** 15.03.2018  
**(72)** Hibbard, Lyndon S.  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Ellex Medical Pty Ltd  
**(11)** AU-A-2017342701  
**(21)** 2017342701 **(22)** 18.09.2017  
**(54)** Treatment laser with reflex mirror and safety interlock  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2018/068081  
**(31)** 2016904178 **(32)** 14.10.16 **(33)** AU  
**(43)** 19.04.2018  
**(72)** Barrett, Bradley; Haarhoff, David; Dixon, Timothy  
**(74)** Spruson & Ferguson

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**(11)** AU-A-2017343675  
**(21)** 2017343675 **(22)** 11.10.2017  
**(54)** Treatment laser with reflex mirror  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
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**(31)** 2016904179 **(32)** 14.10.16 **(33)** AU

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**(72)** Barrett, Bradley; Haarhoff, David; Dixon, Timothy  
**(74)** Spruson & Ferguson

**(71)** EnChroma, Inc.  
**(11)** AU-A-2017340505  
**(21)** 2017340505 **(22)** 04.10.2017  
**(54)** Lighting system for simulating conditions of color deficient vision and demonstrating effectiveness of colorblindness compensating eyewear  
**(51)** Int. Cl.  
**F21K 9/00** ( 2016.01 )  
**F21K 9/64** ( 2016.01 )  
**F21K 99/00** ( 2016.01 )  
**F21S 4/00** ( 2016.01 )  
**F21S 10/00** ( 2006.01 )  
**F21V 9/00** ( 2018.01 )  
**H01J 1/62** ( 2006.01 )  
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**(31)** 62/405,467 **(32)** 07.10.16 **(33)** US  
**(43)** 12.04.2018  
**(72)** Schmeder, Andrew W.  
**(74)** FB Rice Pty Ltd

**(71)** EnGeneIC Molecular Delivery Pty Ltd  
**(11)** AU-A-2017339841  
**(21)** 2017339841 **(22)** 04.10.2017  
**(54)** Bacterial minicells for delivering nucleic acid adjuvants and methods of using the same  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61K 47/46** ( 2006.01 )  
**(87)** WO2018/065923  
**(31)** 62/405,074 **(32)** 06.10.16 **(33)** US  
**(43)** 12.04.2018  
**(72)** Brahmabhatt, Himanshu; Macdiarmid, Jennifer  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Englund, M.  
**(11)** AU-A-2017325116  
**(21)** 2017325116 **(22)** 08.09.2017  
**(54)** Method and system for distributed acoustic sensing  
**(51)** Int. Cl.  
**G01D 5/353** ( 2006.01 )  
**G01H 9/00** ( 2006.01 )  
**G01N 21/47** ( 2006.01 )  
**G08B 13/186** ( 2006.01 )  
**(87)** WO2018/045433  
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**(43)** 15.03.2018  
**(72)** Englund, Mark Andrew  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Enterome S.A.  
**(11)** AU-A-2017339577  
**(21)** 2017339577 **(22)** 09.10.2017  
**(54)** Immunogenic compounds for cancer therapy  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )

**C07K 14/715** ( 2006.01 )  
**(87)** WO2018/065623  
**(31)** 16192948.4 **(32)** 07.10.16 **(33)** EP  
**(43)** 12.04.2018  
**(72)** Chene, Laurent; Mathieu, Alban; Pichaud, Matthieu; Strozzi, Francesco  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** EpicentRx, Inc.  
**(11)** AU-A-2017336546  
**(21)** 2017336546 **(22)** 27.09.2017  
**(54)** Immunomodulatory fusion proteins  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2018/064190  
**(31)** 62/400,338 **(32)** 27.09.16 **(33)** US  
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**(43)** 05.04.2018  
**(72)** Larson, Christopher; Reid, Tony; Oronsky, Bryan T.  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** EpicentRx, Inc.  
**(11)** AU-A-2017342436  
**(21)** 2017342436 **(22)** 13.10.2017  
**(54)** Sulfoxyalkyl organonitro and related compounds and pharmaceutical compositions for use in medicine  
**(51)** Int. Cl.  
**C07C 317/48** ( 2006.01 )  
**A61K 31/04** ( 2006.01 )  
**A61K 31/10** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 31/215** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/4025** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61K 38/05** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 33/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 317/04** ( 2006.01 )  
**C07C 317/06** ( 2006.01 )  
**C07C 317/50** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**C07D 207/10** ( 2006.01 )  
**C07D 211/38** ( 2006.01 )  
**C07D 295/06** ( 2006.01 )  
**(87)** WO2018/071741  
**(31)** 62/408,182 **(32)** 14.10.16 **(33)** US  
**(43)** 19.04.2018  
**(72)** Oronsky, Bryan T.; Scicinski, Jan  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Epona Biotech Limited  
**(11)** AU-A-2017369014  
**(21)** 2017369014 **(22)** 30.11.2017  
**(54)** Temperature monitoring device and a system for monitoring animal temperature

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**A61B 5/01** ( 2006.01 )  
**G08C 21/00** ( 2006.01 )  
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(72) Hurley, Michael John; Poon, Adrian  
Cecil  
(74) FOUNDRY INTELLECTUAL PROP-  
ERTY PTY LTD
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(21) 2017337988 (22) 25.09.2017  
(54) Improved structural modelling  
(51) Int. Cl.  
**G01V 99/00** ( 2009.01 )  
(87) WO2018/063000  
(31) 1616677.9 (32) 30.09.16 (33) GB  
(43) 05.04.2018  
(72) Nyrnes, Erik; Smiseth, Jo; Elgenes,  
James  
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control  
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(54) Subsea gas quality analysis  
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**G01N 1/00** ( 2006.01 )  
**G01N 1/22** ( 2006.01 )  
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(54) Double roller compact profile actuation  
system for an adjustable bed  
(51) Int. Cl.  
**A61G 7/015** ( 2006.01 )  
**A47C 20/04** ( 2006.01 )  
**A47C 20/08** ( 2006.01 )  
**A61G 7/00** ( 2006.01 )
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guard  
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**A42B 3/10** ( 2006.01 )  
**A41D 13/05** ( 2006.01 )  
**A61F 9/06** ( 2006.01 )  
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weighing a product  
(51) Int. Cl.  
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**A61K 45/06** ( 2006.01 )  
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(54) Method of treatment and prevention of  
bacterial vaginosis  
(51) Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
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(51) Int. Cl.  
**A01N 59/08** ( 2006.01 )  
**B63B 13/00** ( 2006.01 )  
**C02F 1/467** ( 2006.01 )  
**C02F 1/70** ( 2006.01 )  
**C25B 1/26** ( 2006.01 )  
**C25B 9/04** ( 2006.01 )  
**G05F 1/10** ( 2006.01 )  
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(74) Shelston IP Pty Ltd.
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thereof comprising one or more cation-  
ic centers and a coating-incorporation  
group  
(51) Int. Cl.  
**C07F 9/54** ( 2006.01 )  
**C07C 211/63** ( 2006.01 )  
**C07D 211/58** ( 2006.01 )  
**C07D 233/72** ( 2006.01 )  
**C07F 9/576** ( 2006.01 )  
**C07F 9/655** ( 2006.01 )  
**C09D 5/14** ( 2006.01 )  
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drilling platform  
(51) Int. Cl.  
**E21B 21/08** ( 2006.01 )  
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 (51) Int. Cl.  
     C10L 1/04 ( 2006.01 )  
     C10L 1/06 ( 2006.01 )  
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 (21) 2017367825 (22) 19.10.2017  
 (54) Method for estimating petrophysical properties for single or multiple scenarios from several spectrally variable seismic and full wavefield inversion products  
 (51) Int. Cl.  
     G01V 1/00 ( 2006.01 )  
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     G01V 99/00 ( 2009.01 )  
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 (54) Eye-strain reducing lens  
 (51) Int. Cl.  
     G02C 7/02 ( 2006.01 )  
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 (21) 2017339522 (22) 08.10.2017  
 (54) Lens with off-axis curvature center  
 (51) Int. Cl.  
     G02C 7/06 ( 2006.01 )  
     G02C 7/00 ( 2006.01 )  
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 (54) Low-convergence spectacles  
 (51) Int. Cl.  
     G02C 7/02 ( 2006.01 )  
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 (21) 2017380981 (22) 18.12.2017  
 (54) Combination therapy with targeted 4-1BB (CD137) agonists  
 (51) Int. Cl.  
     A61K 39/395 ( 2006.01 )  
     C07K 14/525 ( 2006.01 )  
     C07K 16/28 ( 2006.01 )  
     C07K 16/30 ( 2006.01 )  
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 (31) 17192936.7 (32) 25.09.17 (33) EP  
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 (74) Griffith Hack

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 (54) Combination therapy of anti-CD20/anti-CD3 bispecific antibodies and 4-1BB (CD137) agonists  
 (51) Int. Cl.  
     C07K 16/28 ( 2006.01 )  
     A61K 38/19 ( 2006.01 )  
     A61K 39/00 ( 2006.01 )  
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 (43) 28.06.2018  
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 (54) Combination therapy of anti-CD20/anti-CD3 bispecific antibodies and 4-1BB (CD137) agonists  
 (51) Int. Cl.  
     C07K 16/28 ( 2006.01 )  
     A61K 38/19 ( 2006.01 )  
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(71) Feldmann, M.; Feldmann, L.  
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 (21) 2017339091 (22) 06.10.2017  
 (54) Method and system for improving the greenhouse gas emission reduction performance of biogenic fuels, heating mediums and combustion materials and/or for enriching agricultural areas with carbon-containing humus  
 (51) Int. Cl.  
     C10L 9/08 ( 2006.01 )  
     C05F 11/02 ( 2006.01 )  
     C10B 53/02 ( 2006.01 )  
     C10L 1/00 ( 2006.01 )  
     C10L 3/08 ( 2006.01 )  
     C10L 5/44 ( 2006.01 )  
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 (31) 10 2016 011 952.7 (32) 07.10.16 (33) DE  
     10 2017 005 627.7 14.06.17 DE  
 (43) 12.04.2018  
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 (21) 2016429743 (22) 18.11.2016  
 (54) Oral delivery vehicle  
 (51) Int. Cl.  
     A61K 9/00 ( 2006.01 )  
     A61K 9/20 ( 2006.01 )  
     A61K 47/26 ( 2006.01 )  
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 (43) 24.05.2018  
 (72) Wittorff, Helle; Bruun, Heidi Ziegler; Boesen, Dorthe Schackinger  
 (74) FPA Patent Attorneys Pty Ltd

(71) Fertin Pharma A/S  
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 (21) 2017360584 (22) 13.10.2017  
 (54) Tablet comprising separate binder and erythritol  
 (51) Int. Cl.  
     A61K 9/00 ( 2006.01 )  
     A61K 9/20 ( 2006.01 )  
     A61K 31/00 ( 2006.01 )  
     A61K 47/26 ( 2006.01 )  
 (87) WO2018/091050  
 (31) 15/356,175 (32) 18.11.16 (33) US  
     DK2016/050377 18.11.16 DK  
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(71) Festool GmbH  
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 (21) 2017351400 (22) 18.10.2017  
 (54) Connection apparatus of an electrical device or of a stored energy source  
 (51) Int. Cl.  
     H01R 13/11 ( 2006.01 )  
     H01R 27/00 ( 2006.01 )  
     B25F 5/00 ( 2006.01 )  
     H01M 2/10 ( 2006.01 )

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**(74)** FB Rice Pty Ltd

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**(21)** 2017323521 **(22)** 07.09.2017  
**(54)** Di-substituted pyrazole compounds for the treatment of diseases  
**(51)** Int. Cl.  
*C07D 405/14* ( 2006.01 )  
*A61K 31/4155* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
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**(43)** 15.03.2018  
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**(11)** AU-A-2017343369  
**(21)** 2017343369 **(22)** 11.10.2017  
**(54)** Method of detecting errors in the connections in a humidification system  
**(51)** Int. Cl.  
*A61M 16/16* ( 2006.01 )  
**(87)** WO2018/070883  
**(31)** 62/406,720 **(32)** 11.10.16 **(33)** US  
**(43)** 19.04.2018  
**(72)** Liu, Po-Yen; Teng, Ivan Chih-Fan; Seekup, Peter Alan; Smith, Daniel John; Lo, Ho Shing  
**(74)** Baldwins Intellectual Property

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**(54)** Breath sampling interface  
**(51)** Int. Cl.  
*A61B 5/097* ( 2006.01 )  
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**(31)** 62/408,480 **(32)** 14.10.16 **(33)** US  
 62/492,783 01.05.17 US  
**(43)** 19.04.2018  
**(72)** Chilcott, Kate Jayne; Evans, Alicia Jeram Hunter; Evans, Edward John; Oldfield, Samantha Dale; Roa, Nathan James; White, Craig Karl  
**(74)** Catalyst Intellectual Property

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**(71)** Fortress Iron, LP  
**(11)** AU-A-2017338861  
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**(54)** Deck framing system  
**(51)** Int. Cl.  
*E04F 15/02* ( 2006.01 )  
**(87)** WO2018/067712  
**(31)** 62/404,616 **(32)** 05.10.16 **(33)** US

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**(72)** Burt, Kevin T.; Sherstad, Matthew Carlyle; Flatt, Kevin B.; Jesiolowski, Aaron; Luczycki, Geoff T.  
**(74)** AJ PARK

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**(71)** Frito-Lay Trading Company GmbH  
**(11)** AU-A-2017339555  
**(21)** 2017339555 **(22)** 06.10.2017  
**(54)** Manufacture of snack food chips  
**(51)** Int. Cl.  
*A23L 5/10* ( 2016.01 )  
*A23L 7/13* ( 2016.01 )  
*A23L 29/10* ( 2016.01 )  
*A23L 29/212* ( 2016.01 )  
**(87)** WO2018/065573  
**(31)** 1701530.6 **(32)** 31.01.17 **(33)** GB  
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**(43)** 12.04.2018  
**(72)** Bhaskar, Ajay Rajeshwar; Booden, Helen Charlotte; Smith, Katherine Margaret; Vera Nunez, Daniel  
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**(11)** AU-A-2017339557  
**(21)** 2017339557 **(22)** 06.10.2017  
**(54)** Snack food chips  
**(51)** Int. Cl.  
*A23L 5/10* ( 2016.01 )  
*A23L 7/13* ( 2016.01 )  
*A23L 29/10* ( 2016.01 )  
*A23L 29/212* ( 2016.01 )  
**(87)** WO2018/065575  
**(31)** 62/405,050 **(32)** 06.10.16 **(33)** US  
 1701528.0 31.01.17 GB  
**(43)** 12.04.2018  
**(72)** Bhaskar, Ajay Rajeshwar; Booden, Helen Charlotte; Smith, Katherine Margaret; Vera Nunez, Daniel  
**(74)** Allens Patent & Trade Mark Attorneys

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**(71)** Frito-Lay Trading Company GmbH  
**(11)** AU-A-2017339559  
**(21)** 2017339559 **(22)** 06.10.2017  
**(54)** Manufacture of snack food chips  
**(51)** Int. Cl.  
*A23L 5/10* ( 2016.01 )  
*A23L 7/13* ( 2016.01 )  
*A23L 29/10* ( 2016.01 )  
*A23L 29/212* ( 2016.01 )  
**(87)** WO2018/065577  
**(31)** 62/405,050 **(32)** 06.10.16 **(33)** US  
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**(43)** 12.04.2018  
**(72)** Bhaskar, Ajay Rajeshwar; Booden, Helen Charlotte; Smith, Katherine; Vera Nunez, Daniel; Pankhania, Depesh; Turner, Michael  
**(74)** Allens Patent & Trade Mark Attorneys

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**(11)** AU-A-2017342097  
**(21)** 2017342097 **(22)** 10.10.2017

**(54)** Mirror for a solar reflector, method of mirror assembly and management system in a solar field  
**(51)** Int. Cl.  
*F24S 23/70* ( 2018.01 )  
**(87)** WO2018/069558  
**(31)** P201631313 **(32)** 10.10.16 **(33)** ES  
**(43)** 19.04.2018  
**(72)** Burisch, Michael; Sánchez, Marcelino; Villasante Corredoira, Cristóbal; Aranzabe Basterrechea, Estibaliz  
**(74)** Collison & Co

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**(71)** G. Pohl-Boskamp GmbH & Co. KG  
**(11)** AU-A-2017378029  
**(21)** 2017378029 **(22)** 14.12.2017  
**(54)** Reducing side effects of short acting NO donors  
**(51)** Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 31/21* ( 2006.01 )  
*A61K 31/34* ( 2006.01 )  
*A61K 31/7024* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
**(87)** WO2018/109131  
**(31)** 16204170.1 **(32)** 14.12.16 **(33)** EP  
**(43)** 21.06.2018  
**(72)** Boskamp, Marianne  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Gas Technology Institute  
**(11)** AU-A-2017363455  
**(21)** 2017363455 **(22)** 29.09.2017  
**(54)** Dry, low-NOx combustor with integrated thermoelectric generator  
**(51)** Int. Cl.  
*H01L 35/30* ( 2006.01 )  
*F01N 5/02* ( 2006.01 )  
*H01L 35/00* ( 2006.01 )  
*H01L 35/28* ( 2006.01 )  
*H01L 35/32* ( 2006.01 )  
**(87)** WO2018/097899  
**(31)** 15/361,976 **(32)** 28.11.16 **(33)** US  
**(43)** 31.05.2018  
**(72)** Mays, Jeffrey A.; Miyata, Shinjiro; Frye, Patrick E.; Mays, Kyle  
**(74)** Spruson & Ferguson

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**(71)** GCP Applied Technologies Inc.  
**(11)** AU-A-2017343641  
**(21)** 2017343641 **(22)** 11.10.2017  
**(54)** Controllable high flow concrete  
**(51)** Int. Cl.  
*C04B 16/04* ( 2006.01 )  
*C04B 20/10* ( 2006.01 )  
*C04B 24/00* ( 2006.01 )  
*C04B 28/02* ( 2006.01 )  
*C04B 28/04* ( 2006.01 )  
*C04B 103/00* ( 2006.01 )  
**(87)** WO2018/071529  
**(31)** 62/408,481 **(32)** 14.10.16 **(33)** US  
 62/525,718 27.06.17 US  
**(43)** 19.04.2018  
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 (74) A.P.T. Patent and Trade Mark Attorneys
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**A61K 31/404** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
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 (51) Int. Cl.  
 D21H 11/12 ( 2006.01 )  
 A47K 10/16 ( 2006.01 )  
 D21F 11/00 ( 2006.01 )  
 D21H 27/00 ( 2006.01 )
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 D21H 11/12 ( 2006.01 )  
 A47K 10/16 ( 2006.01 )  
 D21F 11/00 ( 2006.01 )  
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 (51) Int. Cl.  
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*B32B 15/08* ( 2006.01 )  
*B32B 15/16* ( 2006.01 )  
*B32B 27/08* ( 2006.01 )  
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 (51) Int. Cl.  
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*G01G 19/02* ( 2006.01 )  
*G01G 19/18* ( 2006.01 )  
*B60P 1/04* ( 2006.01 )  
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 (74) A.P.T. Patent and Trade Mark Attorneys
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (21) 2017349542 (22) 16.10.2017  
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 (51) Int. Cl.  
*C04B 35/043* ( 2006.01 )  
*F27D 1/00* ( 2006.01 )  
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*E04B 1/348* ( 2006.01 )  
*E04G 11/02* ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Cleaner  
 (51) Int. Cl.  
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 (54) Cleaner  
 (51) Int. Cl.  
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 (54) Cleaner  
 (51) Int. Cl.  
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*A47L 11/34* ( 2006.01 )  
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 (51) Int. Cl.  
*H04W 28/02* ( 2009.01 )  
*H04W 28/06* ( 2009.01 )  
*H04W 28/24* ( 2009.01 )  
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 (51) Int. Cl.  
*H04N 19/593* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/14* ( 2014.01 )  
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 (21) 2017354495 (22) 01.11.2017  
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 (51) Int. Cl.  
*H04W 72/10* ( 2009.01 )

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**(54)** A new method for producing calcium sulphate hemihydrate with unique properties  
**(51)** Int. Cl.  
**C01F 11/46** ( 2006.01 )  
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**(43)** 26.04.2018  
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**(21)** 2017339426 (22) 02.10.2017  
**(54)** Breast treatment device  
**(51)** Int. Cl.  
**A61F 2/12** ( 2006.01 )  
**A61F 2/00** ( 2006.01 )  
**A61L 27/36** ( 2006.01 )  
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**(54)** Tissue matrix with preformed openings or pilot openings  
**(51)** Int. Cl.  
**A61F 2/00** ( 2006.01 )  
**A61L 27/36** ( 2006.01 )  
**A61L 27/50** ( 2006.01 )  
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**B64C 1/06** ( 2006.01 )  
**B29C 70/30** ( 2006.01 )  
**B29C 70/50** ( 2006.01 )  
**B29C 70/70** ( 2006.01 )  
**B32B 3/12** ( 2006.01 )
- B32B 38/10** ( 2006.01 )  
**B64C 1/12** ( 2006.01 )  
**B64C 3/18** ( 2006.01 )  
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**(51)** Int. Cl.  
**C25B 11/12** ( 2006.01 )  
**H01M 4/04** ( 2006.01 )  
**H01M 8/18** ( 2006.01 )  
**H01M 8/20** ( 2006.01 )  
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**(21)** 2016427270 (22) 24.10.2016  
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**(51)** Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**C12P 7/22** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )  
**(87)** WO2018/075080  
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**(72)** Humbarger, Scott Thomas; Millard, Matthew  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2017343939  
**(21)** 2017343939 (22) 10.10.2017  
**(54)** A multi-storey goods storage arrangement, a method of operating such an arrangement and a picker transfer cart for operation therein  
**(51)** Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**B65G 1/06** ( 2006.01 )  
**B65G 1/137** ( 2006.01 )  
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**(11)** AU-A-2017342344
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**(54)** Compounds useful for the treatment and/or care of the skin, hair, nails and/or mucous membranes  
**(51)** Int. Cl.  
**C07K 5/087** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**C07K 5/107** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
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**(21)** 2017351394 (22) 17.10.2017  
**(54)** Hinge assembly for flood gates  
**(51)** Int. Cl.  
**E05D 3/02** ( 2006.01 )  
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**(87)** WO2018/077676  
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**(51)** Int. Cl.  
**A61K 31/53** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2017349920  
**(21)** 2017349920 (22) 23.10.2017  
**(54)** Ventricular assist device  
**(51)** Int. Cl.  
**A61M 1/10** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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**(11)** AU-A-2017364359  
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**(54)** Blood pumps

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 (51) Int. Cl.  
**C07C 229/28** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61P 25/04** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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 (21) 2017373404 (22) 20.11.2017  
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 (51) Int. Cl.  
**C25B 9/06** ( 2006.01 )  
**C25B 1/00** ( 2006.01 )  
**C25B 1/04** ( 2006.01 )  
**C25B 9/20** ( 2006.01 )  
**C25B 11/03** ( 2006.01 )  
**C25B 15/02** ( 2006.01 )  
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 (51) Int. Cl.  
**C12P 7/04** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**C12M 1/107** ( 2006.01 )  
**C12P 7/06** ( 2006.01 )  
**C12P 7/16** ( 2006.01 )  
**C12P 7/18** ( 2006.01 )  
**C12P 7/30** ( 2006.01 )  
**C12P 7/40** ( 2006.01 )  
**C12P 7/54** ( 2006.01 )  
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 (54) Multi-component mortar system  
 (51) Int. Cl.  
**B28B 1/00** ( 2006.01 )  
**B33Y 70/00** ( 2015.01 )  
**C04B 28/06** ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (51) Int. Cl.  
**C08K 5/01** ( 2006.01 )  
**C08L 23/22** ( 2006.01 )  
**C09D 133/08** ( 2006.01 )  
**C09J 133/08** ( 2006.01 )  
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**E21D 11/10** ( 2006.01 )

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**E21D 11/38** ( 2006.01 )  
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 (54) Automatic high speed labeling system having an improved label stripper  
 (51) Int. Cl.  
**B65C 9/18** ( 2006.01 )  
**B65C 9/30** ( 2006.01 )  
**B65C 9/42** ( 2006.01 )  
**B65C 11/00** ( 2006.01 )  
**B65H 29/54** ( 2006.01 )  
**B65H 75/02** ( 2006.01 )  
**B65H 79/00** ( 2006.01 )  
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 (51) Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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 (54) Aircraft seat  
 (51) Int. Cl.  
**B64D 11/06** ( 2006.01 )  
**B60N 2/22** ( 2006.01 )  
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 (74) INNOFY PTY LTD

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 (51) Int. Cl.  
**A61D 19/02** ( 2006.01 )  
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 (54) Apparatus, method and system for providing pilot advisories on trajectory management using continuous replanning of dynamically interacting trajectories for optimal economic and safety outcomes  
 (51) Int. Cl.  
**G08G 5/00** ( 2006.01 )  
**G01C 21/20** ( 2006.01 )  
**G08G 5/04** ( 2006.01 )  
**H04B 7/185** ( 2006.01 )  
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 (51) Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61F 2/08** ( 2006.01 )  
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 (51) Int. Cl.  
**B29B 17/00** ( 2006.01 )  
**B29B 17/04** ( 2006.01 )  
**B29C 70/58** ( 2006.01 )  
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 (11) AU-A-2017334127  
 (21) 2017334127 (22) 20.09.2017  
 (54) Process for preventing or slowing the appearance of unattractive signs, generated by pollutants present in the atmosphere, on the skin, the scalp, the hair or the mucous membranes  
 (51) Int. Cl.  
**A61Q 5/00** ( 2006.01 )  
**A01G 33/00** ( 2006.01 )  
**A61K 8/97** ( 2017.01 )  
**A61K 8/9706** ( 2017.01 )  
**A61K 36/02** ( 2006.01 )  
**A61K 36/04** ( 2006.01 )  
**A61P 17/04** ( 2006.01 )  
**A61P 17/08** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**C12N 1/12** ( 2006.01 )  
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 (54) Elliptical exercise device for simultaneous training of shoulder girdle, pelvic girdle and trunk muscles in a human  
 (51) Int. Cl.  
**A63B 22/00** ( 2006.01 )  
**A63B 22/06** ( 2006.01 )  
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 (54) Detergent composition in the form of a sheet  
 (51) Int. Cl.  
**C11D 1/00** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
**C11D 17/06** ( 2006.01 )  
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 (21) 2017344480 (22) 19.10.2017  
 (54) Wheeled concrete supply hose moving device  
 (51) Int. Cl.  
**F16L 1/06** ( 2006.01 )  
**B60P 3/40** ( 2006.01 )  
**B60P 3/41** ( 2006.01 )
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- B66C 1/42** ( 2006.01 )  
**F16L 1/09** ( 2006.01 )  
**F16L 1/10** ( 2006.01 )  
**F16L 1/235** ( 2006.01 )  
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 (51) Int. Cl.  
**A61G 17/00** ( 2006.01 )  
**A61G 17/007** ( 2006.01 )  
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 (54) MARINE MICROBIAL INOCULANT AND PREPARATION METHOD THEREOF  
 (51) Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )  
**C12R 1/07** ( 2006.01 )  
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 (21) 2017341676 (22) 13.10.2017  
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 (51) Int. Cl.  
**G01H 11/08** ( 2006.01 )  
**E03B 7/00** ( 2006.01 )  
**G01M 3/24** ( 2006.01 )  
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 (51) Int. Cl.  
*H04N 21/472* ( 2011.01 )  
*H04L 29/08* ( 2006.01 )  
*H04N 21/435* ( 2011.01 )  
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 (31) 62/353,113 (32) 22.06.16 (33) US  
 (43) 28.12.2017  
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 (21) 2017326626 (22) 19.09.2017  
 (54) Silent entry torching and oxygen delivery system and configuration  
 (51) Int. Cl.  
*B23K 35/02* ( 2006.01 )  
*B23K 7/00* ( 2006.01 )  
*E21B 7/14* ( 2006.01 )  
*E21B 7/15* ( 2006.01 )  
*F23D 14/46* ( 2006.01 )  
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 (54) Improved composite building panel  
 (51) Int. Cl.  
*E04C 2/28* ( 2006.01 )  
*C04B 14/38* ( 2006.01 )  
*C04B 38/00* ( 2006.01 )  
*E04B 1/04* ( 2006.01 )  
*E04C 2/04* ( 2006.01 )  
*E04C 2/06* ( 2006.01 )  
*E04C 5/07* ( 2006.01 )  
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*G01V 3/15* ( 2006.01 )  
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 (21) 2017343215 (22) 11.10.2017
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- (54) Garment manufacturing management device, garment manufacturing management method, garment order reception/manufacturing system, and program  
 (51) Int. Cl.  
*G06Q 50/04* ( 2012.01 )  
*G05B 19/418* ( 2006.01 )  
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 (54) Automated production of live events  
 (51) Int. Cl.  
*H04N 21/2187* ( 2011.01 )  
*H04N 5/262* ( 2006.01 )  
*H04N 21/235* ( 2011.01 )  
*H04N 21/2668* ( 2011.01 )  
*H04N 21/84* ( 2011.01 )  
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 (43) 05.04.2018  
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 (54) Processing a mobile payload  
 (51) Int. Cl.  
*G06Q 20/02* ( 2012.01 )  
*G06Q 20/22* ( 2012.01 )  
*G06Q 20/32* ( 2012.01 )  
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 (54) Sensor-enabled activation of payment instruments  
 (51) Int. Cl.  
*G06Q 20/34* ( 2012.01 )  
*G06K 19/06* ( 2006.01 )  
*G06K 19/14* ( 2006.01 )  
*G06Q 20/32* ( 2012.01 )  
*G07F 7/08* ( 2006.01 )  
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 (54) Diagnostic drainage catheter assembly and methods  
 (51) Int. Cl.  
*A61M 39/10* ( 2006.01 )  
 (87) WO2018/075468  
 (31) 62/467,520 (32) 06.03.17 (33) US  
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 62/510,795 25.05.17 US  
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 (51) Int. Cl.  
*F24S 25/61* ( 2018.01 )  
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 (54) Housing for a wet electrostatic precipitator and wet electrostatic precipitator  
 (51) Int. Cl.  
*B03C 3/82* ( 2006.01 )  
*B03C 3/16* ( 2006.01 )  
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 (54) Wireless neural stimulator with injectable  
 (51) Int. Cl.  
*A61N 1/05* ( 2006.01 )  
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 (31) 62/454,842 (32) 05.02.17 (33) US  
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- (54) Formulations of 4-methyl-5-(pyrazin-2-yl)-3H-1,2-dithiole-3-thione, taste-modified formulations, and methods of making and using same
- (51) Int. Cl.  
**C07D 409/04** ( 2006.01 )  
**A61K 31/385** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )
- (87) WO2018/047002
- (31) 201611031046 (32) 12.09.16 (33) IN  
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 (11) AU-A-2017323504  
 (21) 2017323504 (22) 12.09.2017  
 (54) Formulations of 4-methyl-5-(pyrazin-2-yl)-3H-1, 2-dithiole-3-thione, and methods of making and using same
- (51) Int. Cl.  
**C07D 409/04** ( 2006.01 )  
**A61K 31/385** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )
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 (21) 2017369832 (22) 20.11.2017  
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- (51) Int. Cl.  
**G01M 15/12** ( 2006.01 )  
**G01H 1/00** ( 2006.01 )
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 (54) Assembling flanged couplings
- (51) Int. Cl.  
**F16L 1/26** ( 2006.01 )  
**F16L 23/036** ( 2006.01 )
- (87) WO2018/058220
- (31) 1616585.4 (32) 29.09.16 (33) GB
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 (54) Multi-phase oral composition for tooth whitening  
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 A61K 8/31 ( 2006.01 )  
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apter  
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 (51) Int. Cl.  
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*C02F 1/56* ( 2006.01 )  
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*C11D 3/14* ( 2006.01 )  
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*G08C 17/02* ( 2006.01 )  
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*H04L 12/28* ( 2006.01 )

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**E04C 3/11** ( 2006.01 )  
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*E04D 1/30* ( 2006.01 )  
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<b>2016411625</b>	Telefonaktiebolaget LM Ericsson (PUBL)	<b>2017320349</b>	Pointerra Technologies Pty Ltd
<b>2016423082</b>	PlexBio Co., Ltd.	<b>2017321056</b>	Paques I.P. B.V.
<b>2016423733</b>	Razer (Asia-Pacific) Pte. Ltd.	<b>2017322186</b>	Merck Patent GmbH
<b>2016424054</b>	Huawei Technologies Co., Ltd.	<b>2017322228</b>	Wing Aviation LLC
<b>2016424252</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017322412</b>	Square, Inc.
<b>2016424446</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017322427</b>	Incyte Corporation
<b>2016424720</b>	Dow Global Technologies LLC; Rohm and Haas Company	<b>2017322500</b>	Capbran Holdings, LLC
<b>2016424739</b>	Huawei Technologies Co., Ltd.	<b>2017322544</b>	ST IP Holding AG
<b>2016424753</b>	Huawei Technologies Co., Ltd.	<b>2017322591</b>	Pindrop Security, Inc.
<b>2016424838</b>	Huawei Technologies Co., Ltd.	<b>2017322747</b>	Board of Regents, The University of Texas System
<b>2016425291</b>	Archeoptix Biomedical Inc.	<b>2017323139</b>	Hirotsu Bio Science Inc.
<b>2016425292</b>	Precisionzx Inc.	<b>2017323183</b>	ATLAS ELEKTRONIK GmbH
<b>2016425526</b>	CMTE Development Limited	<b>2017323485</b>	Speir Hunter Ltd
<b>2016425949</b>	Mondo Minerals B.V.	<b>2017323504</b>	ST IP Holding AG
<b>2016426129</b>	Razer (Asia-Pacific) Pte. Ltd.	<b>2017323521</b>	FGH Biotech, Inc.
<b>2016426157</b>	Colgate-Palmolive Company	<b>2017323542</b>	W. L. Gore & Associates, Inc.
<b>2016426163</b>	Rovi Guides, Inc.	<b>2017323547</b>	Infosci, LLC
<b>2016426183</b>	Core Innovations Limited	<b>2017323873</b>	The University of Adelaide
<b>2016426262</b>	Samsung Electronics Co., Ltd.	<b>2017323887</b>	TransPod Inc.
<b>2016426405</b>	Huawei Technologies Co., Ltd	<b>2017323891</b>	Solubag SpA
<b>2016426423</b>	CCH Australia Limited; Wolters Kluwer United States Inc.	<b>2017324069</b>	Elekta, Inc.
<b>2016426427</b>	The ESAB Group, Inc.	<b>2017324399</b>	Phenox GmbH
<b>2016426574</b>	Euro-Celtique S.A.	<b>2017324406</b>	Saniona A/S
<b>2016426987</b>	Colgate-Palmolive Company	<b>2017324466</b>	Airbus Defence and Space Limited
<b>2016426994</b>	Colgate-Palmolive Company	<b>2017324584</b>	Olea Medical; Universite d'aix-Marseille; Centre National de la Recherche Scientifique
<b>2016427241</b>	Lockheed Martin Energy, LLC	<b>2017324627</b>	Elekta, Inc.
<b>2016427270</b>	Lockheed Martin Energy, LLC	<b>2017324649</b>	Wing Aviation LLC
<b>2016427714</b>	Mitsubishi Electric Corporation	<b>2017325013</b>	Cardiac Pacemakers, Inc.
<b>2016427789</b>	Hussmann Corporation	<b>2017325105</b>	Vater, L.
<b>2016427799</b>	Kimberly-Clark Worldwide, Inc.	<b>2017325108</b>	Trisco ICAP Pty Ltd
<b>2016427800</b>	Kimberly-Clark Worldwide, Inc.	<b>2017325116</b>	Englund, M.
<b>2016427801</b>	Kimberly-Clark Worldwide, Inc.	<b>2017325118</b>	The University of Adelaide
<b>2016427897</b>	Electrolux do Brasil S.A.	<b>2017325124</b>	Cookina Holdings Inc.
<b>2016428083</b>	Total SA	<b>2017325182</b>	TransPod Inc.
<b>2016428123</b>	Kimberly-Clark Worldwide, Inc.	<b>2017325240</b>	Chugai Seiyaku Kabushiki Kaisha; F. Hoffmann-La Roche AG
<b>2016428280</b>	Mitsubishi Electric Corporation	<b>2017325494</b>	Steuler Korrosionsschutz Holding GmbH
<b>2016428282</b>	Mitsubishi Electric Corporation	<b>2017325823</b>	Boston Scientific Neuromodulation Corporation
<b>2016428422</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017325913</b>	Sichuan Haisco Pharmaceutical Co., Ltd.
<b>2016428454</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017325980</b>	Boston Scientific Scimed, Inc.
<b>2016428457</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017326035</b>	Mlcek, J.
<b>2016428807</b>	Mitsubishi Electric Corporation	<b>2017326174</b>	Angiocrine Bioscience, Inc.
<b>2016429272</b>	Hangzhou Dac Biotech Co., Ltd; Suzhou M-Conji Biotech Co., Ltd	<b>2017326285</b>	BASF SE
<b>2016429639</b>	Electrolux Appliances Aktiebolag	<b>2017326287</b>	BASF SE
<b>2016429743</b>	Fertin Pharma A/S	<b>2017326303</b>	Maschinenfabrik Reinhausen GmbH
<b>2016430056</b>	Junttan Oy	<b>2017326439</b>	Expro Americas, LLC
<b>2016430486</b>	Aktiebolaget Electrolux	<b>2017326461</b>	Shield Restraint Systems, Inc.
<b>2016432875</b>	Sandvik Intellectual Property AB	<b>2017326469</b>	Kedrion S.p.A.
<b>2016433510</b>	Halliburton Energy Services, Inc.	<b>2017326530</b>	Horizon Global Americas Inc.
<b>2016433796</b>	Halliburton Energy Services, Inc.	<b>2017326531</b>	Horizon Global Americas Inc.
<b>2016434774</b>	Mitsubishi Electric Corporation	<b>2017326536</b>	Horizon Global Americas Inc.
<b>2016434810</b>	Mitsubishi Electric Corporation	<b>2017326611</b>	H. Lee Moffitt Cancer Center and Research Institute, Inc.
<b>2017280088</b>	Southern Star Corporation Pty Ltd	<b>2017326614</b>	Blast Motion Inc.
<b>2017296910</b>	LG Electronics Inc.	<b>2017326626</b>	Special Projects Operations, Inc.
<b>2017297104</b>	LG Electronics Inc.	<b>2017326707</b>	California Things, Inc.
<b>2017297106</b>	LG Electronics Inc.	<b>2017326709</b>	California Things, Inc.
<b>2017297107</b>	LG Electronics Inc.	<b>2017326712</b>	California Things, Inc.
<b>2017297110</b>	LG Electronics Inc.	<b>2017326737</b>	Varden Process Pty Ltd
<b>2017318536</b>	Metabrain Research	<b>2017326743</b>	SleeperTech Pty Ltd
<b>2017319228</b>	Electro-Flow Controls Limited	<b>2017326749</b>	Conveyor Innovations Pty Ltd
		<b>2017326756</b>	Throat Scope Pty Ltd
		<b>2017326757</b>	Throat Scope Pty Ltd
		<b>2017326760</b>	The University of Western Australia
		<b>2017327051</b>	Tachikawa Corporation
		<b>2017327143</b>	77 KC Co., Ltd.

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2017327304	Nippon Chemiphar Co., Ltd.	2017332702	Purple Innovation, LLC
2017327369	Allergan, Inc.	2017332870	COPMA S.C. a R.L.
2017327602	USound GmbH	2017333054	Shenzhen Chipscreen Biosciences Co., Ltd.
2017327658	Merck Patent GmbH	2017333055	Shenzhen Chipscreen Biosciences Co., Ltd.
2017327660	Philip Morris Products S.A.	2017333056	Shenzhen Chipscreen Biosciences Co., Ltd.
2017327693	Oneworld Packaging SL	2017333190	Alibaba Group Holding Limited
2017327702	Metso Sweden AB	2017333493	CyWat Technologies Ltd.
2017327723	TeneoBio, Inc.	2017333591	Souris, M.
2017327753	Exigence Technologies Inc.	2017333598	Sewell Power Transfer Pty Ltd
2017327766	Metso Sweden AB	2017333600	Commonwealth Scientific and Industrial Research Organisation
2017327954	Beijing Innocare Pharma Tech Co., Ltd.	2017333740	Umeta Hermann Ulrichskötter Metallwarenfabrik GmbH & Co. KG.
2017328009	The Queen's University Of Belfast	2017334127	Societe d'Exploitation de Produits Pour Les Industries Chimiques SEPPIC; Biotechmarine
2017328026	Axon Enterprise, Inc.	2017334129	Compagnie Generale des Etablissements Michelin
2017328150	University Of Cape Town; Stellenbosch University	2017334213	Mexichem Fluor S.A. de C.V.
2017328222	China Railway Engineering Equipment Group Co., Ltd.	2017334278	Subsea 7 do Brasil Servicos Ltda
2017328249	Dror Ortho Design Ltd	2017334287	Innospec Limited
2017328288	Hawk NZ Limited	2017334302	Novonovon Zrt.
2017328469	GEMA S.r.l.	2017334303	Novonovon Zrt.
2017328510	Indian Institute of Science; Department of Biotechnology	2017334363	Baker Hughes, a GE Company, LLC
2017328908	Mexichem Fluor S.A. de C.V.	2017334472	Dow Global Technologies LLC; Rohm and Haas Company
2017328950	ArcherDX, Inc.	2017334473	Dow Global Technologies LLC; Rohm and Haas Company
2017328953	ArcherDX, Inc.	2017334556	S & B Technical Products, Inc.
2017328976	eBay Inc.	2017334696	Intuit Inc.
2017329007	Pallikaris, I.	2017334864	Thomson Reuters Global Resources Unlimited Company
2017329044	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.	2017334874	Dow Global Technologies LLC
2017329072	Policlinico San Donato S.p.A. - Istituto di Ricovero e Cura a Carattere Scientifico	2017335242	Daiichi Sankyo Company, Limited
2017329105	Biassex Pty Ltd	2017335243	Sports Information Services Limited
2017329245	Air-Radiators Pty Ltd	2017335245	De Beers UK Limited
2017329344	Espera-Werke GmbH	2017335581	Square, Inc.
2017329469	BASF SE	2017335582	Dow Global Technologies LLC
2017329476	VS Vereinigte Spezialmöbelfabriken GmbH & Co. KG	2017335668	Oasys Water LLC
2017329748	BioEnergy Concept GmbH	2017335685	The Regents of the University of California
2017329751	Thales	2017335723	Hershovich, Y.
2017329780	Merck Patent GmbH; Pfizer Inc.	2017335774	Polaris Industries Inc.
2017329873	Schirnhofner, L.	2017335777	Dow Global Technologies LLC
2017329902	Aer Beatha Limited	2017335840	Dow Global Technologies LLC
2017329957	Avexxin AS	2017335844	Dow Global Technologies LLC
2017330062	ProQR Therapeutics II B.V.	2017335848	Dow Global Technologies LLC
2017330160	Electrical Subsea & Drilling AS	2017335849	Dow Global Technologies LLC
2017330164	Williams, P.; PF Trust Services (2016) Limited; Williams, K.	2017336039	Daikin Industries, Ltd.
2017330276	The Regents of the University of Colorado, a body corporate	2017336083	Olivier, L.R.; Conradie, R.; Paul, F.
2017330338	The Wistar Institute of Anatomy and Biology; The Trustees of the University of Pennsylvania	2017336088	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.
2017330353	Trayt Inc.	2017336156	Vertex Pharmaceuticals Incorporated
2017330374	University of Vermont and State Agricultural College	2017336546	EpicentRx, Inc.
2017330401	Joy Global Underground Mining LLC	2017336547	The United States of America, as Represented by the Secretary, Department of Health & Human Services
2017330446	WP Company LLC	2017336686	Baker Hughes, a GE Company, LLC
2017330637	Bio-On S.p.A.	2017336736	Daikin Industries, Ltd.
2017330638	Archimede R&D S.r.l.	2017336806	Biological E Limited
2017330741	MPO, Inc.	2017336807	Eastern Technologies, Inc.
2017330814	Chong Kun Dang Pharmaceutical Corp.; National Cancer Center	2017336900	Huawei Technologies Co., Ltd.
2017331053	Qadium, Inc.	2017337002	Huawei Technologies Co., Ltd.
2017331255	Becton, Dickinson and Company	2017337129	General Electric Company
2017331287	ESCO Group LLC	2017337431	Kirin Kabushiki Kaisha
2017331345	Plexxikon Inc.	2017337462	Canon Kabushiki Kaisha
2017331352	Curemetrix, Inc.	2017337988	Equinor Energy AS
2017331525	Secquire Surgical Pte. Ltd.	2017337989	Equinor Energy AS
2017331565	Vibrant Ltd.	2017338271	C.A.L.-Laboratoire de Biologie Vétérinaire; C.RIS Pharma
2017331630	Security Matters Ltd.; Soreq Nuclear Research Center	2017338314	Holcim Technology Ltd
2017331735	Women at Work Group Pty Ltd	2017338319	Micreos Human Health B.V.
2017331737	Dome Consulting Australia Pty Ltd	2017338564	Chong Kun Dang Pharmaceutical Corp.
2017331804	Qingdao Austech Solar Technology Co. Ltd.	2017338598	Koninklijke Douwe Egberts B.V.
2017331808	R F Industries Pty Limited	2017338600	Koninklijke Douwe Egberts B.V.
2017331940	AstraZeneca AB		
2017331948	Avexxin AS		

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

2017338601	Koninklijke Douwe Egberts B.V.	2017340652	Boehringer Ingelheim Vetmedica GmbH
2017338602	Koninklijke Douwe Egberts B.V.	2017340716	Daiichi Sankyo Company,Limited
2017338605	Aquafortus Technologies Limited	2017340759	Netflix, Inc.
2017338624	The Governing Council of The University of Toronto; Sunnybrook Research Institute	2017340761	Netflix, Inc.
2017338625	AO Technology AG	2017340775	Eyebrain Medical, Inc.
2017338675	Boehringer Ingelheim Vetmedica GmbH	2017340897	Cytec Industries Inc.
2017338741	Pilot Polymer Technologies, Inc.	2017340915	Assia Chemical Industries Ltd.
2017338748	Evoform Inc.	2017340954	INSERM (Institut National de la Santé et de la Recherche Médicale); Université de Bordeaux; Institut Bergonié
2017338773	Baxter International Inc.; Baxter Healthcare SA	2017340956	MG-Valdunes
2017338775	Illumina, Inc.	2017340975	Imperial Innovations Limited
2017338777	Compagnie Generale des Etablissements Michelin	2017340994	Denka Company Limited
2017338855	Rovi Guides, Inc.	2017341012	Sumitomo Metal Mining Co., Ltd.
2017338861	Fortress Iron, LP	2017341047	Novartis AG; The Trustees of the University of Pennsylvania
2017338887	University of Florida Research Foundation, Incorporated; Entrinsic Health Solutions, Inc.	2017341098	Novoluto GmbH
2017338911	Board of Regents, The University of Texas System	2017341112	IO Biotech ApS
2017338924	Titan Pharmaceuticals, Inc.	2017341136	Kyowa Hakko Bio Co., Ltd.
2017338929	Eyebrain Medical, Inc.	2017341234	Construction Research & Technology GmbH
2017339069	THALES	2017341275	Kingspan Holdings (IRL) Limited
2017339091	Feldmann, M.; Feldmann, L.	2017341292	Sherpa Autodiagnostik GmbH
2017339096	Oblique Therapeutics AB	2017341324	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft
2017339101	Matoke Holdings Limited	2017341344	Telefonaktiebolaget LM Ericsson (publ)
2017339108	Verburg Holding B.V.	2017341386	BASF SE
2017339213	Body Vision Medical Ltd	2017341398	Mead Johnson Nutrition Company
2017339249	AbbVie S.à.r.l.; Galapagos NV	2017341527	Eagle Industry Co., Ltd.; NOK Corporation
2017339379	PayPal, Inc.	2017341559	Teikoku Seiyaku Co., Ltd.
2017339406	Benesol, Inc.	2017341625	LG Electronics Inc.
2017339426	LifeCell Corporation	2017341670	Bluechain Pty Ltd
2017339433	MZ IP Holdings, LLC	2017341674	Kortek Industries Pty Ltd
2017339435	Raymond Bartlett Snow LLC	2017341676	South East Water Corporation
2017339463	Dolby Laboratories Licensing Corporation	2017341684	Genomsys SA
2017339467	Zimmer, Inc.	2017341685	Genomsys SA
2017339522	Eyebrain Medical, Inc.	2017341695	BL Technologies, Inc.
2017339555	Frito-Lay Trading Company GmbH	2017341708	Caliber Imaging & Diagnostics, Inc.
2017339557	Frito-Lay Trading Company GmbH	2017341734	Blackline Safety Corp.
2017339558	BASF SE	2017341741	ORTHOsoft Inc.
2017339559	Frito-Lay Trading Company GmbH	2017341750	Sociedad Comercial Harut SpA
2017339569	Höganäs AB (publ)	2017341769	Carnot, LLC
2017339576	Secarna Pharmaceuticals GmbH & Co. KG	2017341772	Schlumberger Technology B.V.
2017339577	Enterome S.A.	2017341782	ICU Medical, Inc.
2017339581	Secarna Pharmaceuticals GmbH & Co KG	2017341784	Rovi Guides, Inc.
2017339696	Caterpillar Inc.	2017341815	Pulmatrix Operating Company, Inc.
2017339771	General Electric Company	2017341828	Mars, Incorporated
2017339786	The Board of Trustees of the Leland Stanford Junior University	2017341838	Vapotherm, Inc.
2017339839	Abbvie S.à.r.l.; Galapagos NV	2017341849	University Of Massachusetts
2017339841	EnGeneC Molecular Delivery Pty Ltd	2017341922	Williams, R.
2017339909	Shandong Jianyuan Bioengineering Co., Ltd.	2017341926	Joung, J.; Gehrke, J.
2017339910	KPMG Australia IP Holdings Pty Ltd	2017341930	Derrick Corporation
2017339966	CiDRA Corporate Services LLC	2017341934	StimAire, Inc.
2017339968	LifeCell Corporation	2017341999	Isocure Biosciences Inc.
2017339973	CiDRA Corporate Services LLC.	2017342017	Whitefox Defense Technologies, Inc.
2017340073	Pure Environmental Solutions Ltd.	2017342026	Jervis B. Webb International Company; Daifuku Co., Ltd.
2017340091	Cellspect Co., Ltd.	2017342054	Tyco Fire & Security GmbH
2017340129	Coco Fountain LLC	2017342058	Tyco Fire & Security GmbH
2017340272	Caterpillar Inc.	2017342076	Case Western Reserve University; The University of Chicago
2017340305	Northwest University	2017342088	Genetic Analysis AS
2017340314	Sichuan Baili Pharm Co., Ltd.	2017342097	Fundación Cener-Ciemat; Fundación Tekniker
2017340350	Tohoku University; Kabushiki Kaisha Yakult Honsha	2017342136	Swellfix UK Limited
2017340377	CareFusion 303, Inc.	2017342176	The National Institute for Biotechnology in the Negev Ltd.
2017340387	University of Florida Research Foundation, Inc.	2017342185	Palfinger AG
2017340401	The Coca-Cola Company	2017342189	Cytlimic Inc.
2017340403	University of Pittsburgh - of the Commonwealth System of Higher Education; The United States as Represented by the Department of Veterans Affairs	2017342228	Cryovac, LLC; G.Mondini S.p.A.
2017340405	CH2M Hill, Inc.	2017342276	3M Innovative Properties Company
2017340407	PDS Biotechnology Corporation	2017342329	Minerva Biotechnologies Corporation
2017340450	Numerus Holding ApS	2017342344	Lubrizol Advanced Materials, Inc.
2017340499	Pulmonx Corporation	2017342350	3M Innovative Properties Company
2017340505	EnChroma, Inc.		
2017340607	NuVasive, Inc.		

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

2017342365	Schlumberger Technology B.V.	2017344465	ESAB AB
2017342372	3M Innovative Properties Company	2017344470	Menarini Silicon Biosystems S.p.A.
2017342432	NeVap, Inc.	2017344480	Somero Enterprises, Inc.
2017342433	Drug Plastics & Glass Company, Inc.; Boveda, Inc.	2017344745	VTEX Industries Pty Ltd
2017342436	EpicentRx, Inc.	2017344755	Memphasys Limited
2017342462	Merck Sharp & Dohme Corp.; Eisai R&D Management Co., Ltd.	2017344756	Memphasys Limited
2017342467	Wake Forest University Health Sciences	2017344760	Universal Biosensors Pty Ltd
2017342471	SWIMC LLC	2017344764	IntelGenX Corp.
2017342522	Hollister Incorporated	2017344826	Mubea Carbo Tech GmbH
2017342536	Precision Biosciences, Inc.	2017344893	LIDDS AB
2017342543	President and Fellows of Harvard College	2017345165	Johnson & Johnson Consumer Inc.
2017342548	Responsive Drip Irrigation, LLC	2017345167	Bayer HealthCare LLC
2017342549	Supercritical Fluid Technologies, Inc.	2017345171	Bayer Healthcare LLC
2017342559	Xencor, Inc.	2017345180	Dentsply Sirona Inc.; DeguDent GmbH
2017342560	Xencor, Inc.	2017345199	Cortical.io AG
2017342562	Alibaba Group Holding Limited	2017345203	Innate Pharma
2017342576	Nihon Nohyaku Co., Ltd.	2017345214	Muséum national d'Histoire naturelle; Centre National de la Recherche Scientifique; Université Lille 1, Sciences et Technologies
2017342627	LG Electronics Inc.	2017345219	The Regents of the University of Michigan
2017342678	Ålö AB	2017345227	Cainiao Smart Logistics Holding Limited
2017342688	Genomsys SA	2017345281	GNA Biosolutions GmbH
2017342700	Janusnet Pty Limited	2017345291	Teleflex Life Sciences Unlimited Company
2017342701	Ellex Medical Pty Ltd	2017345292	Teleflex Life Sciences Unlimited Company
2017342719	Roadtec, Inc.	2017345293	Teleflex Life Sciences Unlimited Company
2017342752	Caterpillar Inc.	2017345294	AlgiPharma AS
2017342754	Genomsys SA	2017345295	AlgiPharma AS
2017342806	The Lubrizol Corporation	2017345308	Dormakaba USA Inc.
2017342827	Mars, Incorporated	2017345310	Cubic Corporation
2017342835	Sun, J.; ADA Foundation	2017345346	Ergomotion, Inc.
2017342841	Colgate-Palmolive Company	2017345352	Cape Industries, LLC
2017342863	Alibaba Group Holding Limited	2017345361	Saipem S.A.
2017342921	Monsanto Technology LLC	2017345370	Zinniatek Limited
2017343215	Spiber Inc.	2017345384	International Flavors & Fragrances Inc
2017343247	Samsung Electronics Co., Ltd.	2017345390	Biocon Limited
2017343369	Fisher & Paykel Healthcare Limited	2017345430	Sangamo Therapeutics, Inc.
2017343373	Ålö AB	2017345470	Adverum Biotechnologies, Inc.
2017343377	Singapore Health Services Pte Ltd; Agency for Science, Technology and Research	2017345493	AVIVE, Inc.
2017343449	Baker Hughes, a GE company, LLC	2017345501	Resilux NV
2017343453	Motorola Solutions, Inc.	2017345537	Motive Drilling Technologies, Inc.
2017343553	Abraxis Bioscience, LLC	2017345560	President and Fellows of Harvard College
2017343635	K2M, Inc.	2017345636	Smartbow GmbH
2017343641	GCP Applied Technologies Inc.	2017345685	Colgate-Palmolive Company; The Trustees of the University of Pennsylvania
2017343643	The United States of America, as represented by the Secretary, Department of Health and Human Services	2017345727	Novelis Inc.
2017343673	Healthy Waterways Limited	2017345731	Omega Ophthalmics LLC
2017343675	Ellex Medical Pty Ltd	2017345733	General Cable Technologies Corporation
2017343736	Inventio AG	2017345736	Nimbus Lakshmi, Inc.
2017343778	Massachusetts Institute of Technology; National University of Singapore	2017345764	Alpine Immune Sciences, Inc.
2017343891	Ecotec Gestione Impianti S.R.L.	2017345780	Magic Leap, Inc.
2017343922	Fisher & Paykel Healthcare Limited	2017345814	The United States of America, as represented by The Secretary, Department of Health and Human Services
2017343939	Logevo AB	2017346076	KCIS Co., Ltd.
2017343998	Taylor Commercial Foodservice Inc.	2017346322	Godøy, E.; Polarcus DMCC
2017344017	Smartsky Networks, LLC	2017346332	Saygivar, F.; Saygivar, S.; Saygivar, L.
2017344031	3DBiopsy, Inc.	2017346344	SEW-EURODRIVE GmbH & Co. KG
2017344035	Idemia Identity & Security USA LLC	2017346451	Virtually Live (Switzerland) GmbH
2017344050	Haemokinesis Pty. Ltd.	2017346453	CellCentric Ltd
2017344051	Breville Pty Limited	2017346454	CellCentric Ltd
2017344052	NewSouth Innovations Pty Limited; The University of Queensland	2017346464	King's College London
2017344076	Stapleton, K.	2017346477	CareFusion 303, Inc.
2017344084	Acutus Medical, Inc.	2017346502	Kitty Hawk Corporation
2017344097	Boehringer Ingelheim Animal Health USA Inc.	2017346515	Colebrook Bosson Saunders (Products) Limited
2017344102	Davey Textile Solutions Inc.	2017346516	Almac Discovery Limited
2017344174	GRST International Limited	2017346583	Massachusetts Institute of Technology; King Fahd University of Petroleum and Minerals University Boulevard
2017344178	Shenzhen Neptunus Pharmaceutical Research Institute Co., Ltd.	2017346593	SRS Medical Systems, LLC
2017344325	Universite de Liege	2017346598	Case Western Reserve University
2017344440	Pfizer Inc.	2017346675	Graco Minnesota Inc
2017344452	MEDACTA INTERNATIONAL SA	2017346682	YETI Coolers, LLC
2017344462	Biocon Limited	2017346777	Happiest Baby, Inc.
		2017346788	Oregon Health & Science University

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

2017346844	Carrier Corporation	2017351584	Syngenta Participations AG
2017346846	Purple Innovation, LLC	2017351642	Josef Höller GmbH
2017346858	Gradiant Corporation	2017351684	Alfa Laval Corporate AB
2017346866	Cainiao Smart Logistics Holding Limited	2017351743	Calix Ltd
2017346871	Madrigal Pharmaceuticals, Inc.	2017351744	Suda Ltd
2017346898	Keio University	2017351784	Watchlock
2017346910	Shelter Co., Ltd.	2017351802	DSM IP Assets B.V.
2017346914	Shelter Co., Ltd.	2017351862	Wilson, G.
2017346915	Shelter Co., Ltd.	2017351950	Oxy Solutions AS
2017346916	Shelter Co., Ltd.	2017351986	Oxford University Innovation Limited
2017346959	Dynacert Inc.	2017352005	Olsson, M.
2017346960	Hyslop, M.	2017352056	Vanadis Diagnostics
2017347152	National Oilwell Varco Denmark I/S	2017352065	UPL Limited
2017347219	Samsung Electronics Co., Ltd.	2017352242	Radio Flyer Inc.
2017347495	Lechner Group GmbH	2017352591	Genovie AB
2017347537	3M Innovative Properties Company	2017353112	QinetiQ Limited
2017347538	3M Innovative Properties Company	2017353114	National Oilwell Varco Norway AS
2017347549	Genentech, Inc.; Xenon Pharmaceuticals Inc.	2017353150	Unilever PLC
2017347622	British American Tobacco (Investments) Limited	2017353243	Sika Technology AG
2017347637	Collectis	2017353264	BASF SE
2017347685	Collectis	2017353301	Ansell Limited
2017347686	Collectis	2017353315	Janssen Pharmaceutica NV
2017347851	Iovance Biotherapeutics, Inc.	2017353323	Novo Nordisk A/S
2017347870	Vedanta Biosciences, Inc.	2017353327	Alphanosos S.A.S.
2017348094	Proteus Digital Health, Inc.	2017353337	Travel Blue Ltd.
2017348100	Constellation Pharmaceuticals, Inc.	2017353341	Travel Blue Ltd.
2017348161	Covidien LP	2017353378	Boehringer Ingelheim Vetmedica GmbH
2017348315	PPG Architectural Finishes, Inc.	2017353443	HOOKIPA Biotech GmbH
2017348348	The Jackson Laboratory	2017353510	Janssen Pharmaceutica NV
2017348386	Decked, LLC	2017353742	American Sterilizer Company
2017348475	Shanghai Henlius Biotech, Inc.	2017353756	Cujo LLC
2017348664	Morris Industries Ltd.	2017353786	Medivators Inc.
2017348665	Apotex Inc.	2017353824	Molecular Imprints, Inc.
2017348761	PELLENC	2017353865	CC3D LLC
2017348799	GRST International Limited	2017353899	Depuy Synthes Products, Inc.
2017349289	Shell Internationale Research Maatschappij B.V.	2017353926	PSG Worldwide, Inc.
2017349326	Arkema France	2017353936	Novimmune SA
2017349397	Unicharm Corporation	2017353968	Johnson & Johnson Consumer Inc.
2017349458	BenevolentAI Cambridge Limited	2017353979	Industrie de Nora S.p.A.
2017349465	Calon Cardio-Technology Ltd.	2017353999	Intergraph Corporation
2017349488	Equinor Energy AS	2017354495	LG Electronics Inc.
2017349542	Krosakiharima Corporation; Nippon Steel Corporation	2017354716	Keio University
2017349621	Decksheet IP Pty Ltd	2017354734	Wassenburg Medical B.V.
2017349650	Casale SA	2017354868	American Sterilizer Company
2017349790	Chiesi Farmaceutici S.p.A.	2017354903	Ipsen Biopharm Ltd.
2017349869	Wexiödisk Aktiebolag	2017354968	Icentia Inc.
2017349920	Magenta Medical Ltd.	2017355218	Universität Basel
2017349993	Inventio AG	2017355225	Ardyne Holdings Limited
2017350146	Unilever PLC	2017355257	MSA Technology, LLC
2017350177	ELC Management LLC; Kaist University	2017355289	American Sterilizer Company
2017350235	Dainichiseika Color & Chemicals MFG. Co., Ltd.	2017355347	Hycor BioMedical, LLC
2017350278	DMT Marine Equipment SA	2017355401	Jounce Therapeutics, Inc.
2017350309	DSM IP Assets B.V.	2017355438	EDGe Surgical, Inc.
2017350340	Paper Machinery Corporation	2017355446	Bristol-Myers Squibb Company; CytomX Therapeutics, Inc.
2017350488	CureVac AG; Acuitas Therapeutics Inc.	2017355467	Microsoft Technology Licensing, LLC
2017350490	Hettich-Oni GmbH & Co. Kg	2017355492	Smith & Nephew, Inc.
2017350715	Visa International Service Association	2017355535	Salesforce.com, Inc.
2017350730	The Procter & Gamble Company	2017355537	Salesforce.com, Inc.
2017350731	The Procter & Gamble Company	2017355592	Telefonaktiebolaget LM Ericsson (publ)
2017350733	The Procter & Gamble Company	2017355691	Whelen Engineering Company, Inc.
2017350737	The Procter & Gamble Company	2017355762	Vacan, Inc.
2017350740	The Procter & Gamble Company	2017355617	Rheinmetall Waffe Munition GmbH
2017350743	The Procter & Gamble Company	2017356784	CR Development AB
2017350745	The Procter & Gamble Company	2017356785	CR Development AB
2017350746	The Procter & Gamble Company	2017356847	Magic Leap, Inc.
2017350759	Cardiac Pacemakers, Inc.	2017356886	Magic Leap, Inc.
2017350945	Verily Life Sciences LLC	2017357052	Imagine Pharma
2017351052	Rakuten Medical, Inc.	2017357100	Graphic Packaging International, LLC
2017351057	Lifetime Products, Inc.	2017357232	QUALCOMM Incorporated
2017351394	M3 Global Flood Technologies Limited	2017357333	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.
2017351400	Festool GmbH		
2017351403	Toray Industries, Inc.		



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2017357374	ASC Regenity Ltd.	2017367825	ExxonMobil Upstream Research Company
2017357503	Bayer Animal Health GmbH	2017368152	Visa International Service Association
2017357527	SAPPI Netherlands Services B.V.	2017368247	Qualcomm Incorporated
2017357679	Pfizer Inc.	2017368320	Cartesian Therapeutics, Inc.
2017357760	Ionis Pharmaceuticals, Inc.	2017368322	MarkForged, Inc.
2017358016	Qualcomm Incorporated	2017368562	Toray Industries, Inc.
2017358398	Speedpanel Holdings Pty Ltd	2017368708	Qualcomm Incorporated
2017358483	Mölnlycke Health Care AB	2017368899	Mechem Lab Ltd.
2017358573	Hamlet Protein A/S	2017369014	Epona Biotec Limited
2017358574	Hamlet Protein A/S	2017369018	The Chinese University of Hong Kong
2017358776	Daifuku Co., Ltd.	2017369603	CleveXel Pharma; Institut Gustave Roussy
2017358903	Qualcomm Incorporated	2017369832	STS Defence Limited
2017358961	Schenck Process Europe GmbH	2017371859	JVC Kenwood Corporation
2017358979	Shell Internationale Research Maatschappij B.V.	2017372357	Qualcomm Incorporated
2017359047	Cellular Research, Inc.	2017372764	Electrolux Appliances Aktiebolag
2017359048	Cellular Research, Inc.	2017372858	MarkForged, Inc.
2017359467	Agenus Inc.; Memorial Sloan-Kettering Cancer Center; Ludwig Institute for Cancer Research Ltd.	2017373404	Siemens Aktiengesellschaft
2017359515	Shiseido Company, Ltd.	2017373437	Kawasaki Jukogyo Kabushiki Kaisha
2017359661	Hollister Incorporated	2017373887	Butterfly Network, Inc.
2017359973	Klaria Pharma Holding AB	2017375365	Sika Technology AG
2017360131	MIM Construction AB	2017375751	Becton, Dickinson and Company
2017360364	Qualcomm Incorporated	2017375883	Nestec SA
2017360365	Duke University	2017375886	Nestec SA
2017360374	CHEP Technology Pty Limited	2017375887	Nestec SA
2017360375	CHEP Technology Pty Limited	2017377059	IMS Trading, LLC
2017360377	CHEP Technology Pty Limited	2017377851	Sinclair Systems International, LLC
2017360489	ExxonMobil Research and Engineering Company	2017377898	Raytheon Company
2017360490	ExxonMobil Research and Engineering Company	2017378029	G. Pohl-Boskamp GmbH & Co. KG
2017360584	Fertin Pharma A/S	2017378381	AGCO Corporation
2017360666	Immatics Biotechnologies GmbH	2017380107	Veterinärmedizinische Universität Wien
2017360917	Qualcomm Incorporated	2017380373	Nanjing Chervon Industry Co., Ltd.
2017360943	O&M Halyard International Unlimited Company	2017380893	Philip Morris Products S.A.
2017361080	Tyme, Inc.	2017380981	F. Hoffmann-La Roche AG
2017361117	Cynata Therapeutics Limited	2017382243	Windmil Therapeutics, Inc.
2017361717	Norsk Hydro ASA	2017382460	The Board Of Trustees Of The Leland Stanford Junior University
2017361799	Janssen Sciences Ireland Unlimited Company	2017383430	Automobili Lamborghini S.p.A.
2017361931	Crossject	2017383531	Inpeco Holding Ltd.
2017362032	Dematic Corp.	2017384126	F. Hoffmann-La Roche AG
2017362040	Novartis AG	2017385010	Universal Technical Resource Services, Inc.
2017362151	Powerblock Holdings, Inc.	2017385152	WU, L.; Lee, H.; Lee, T.; Lee, T.
2017362258	Hollister Incorporated	2017387668	Dropbox, Inc.
2017362556	Unilever PLC	2017388217	Auris Health, Inc.
2017362598	SHL Medical AG	2017388707	Komatsu Ltd.
2017362950	E. I. du Pont de Nemours and Company	2017390056	Sika Technology AG
2017362971	Hologic, Inc.	2017390700	Rheinmetall Waffe Munition GmbH
2017363127	Kawasaki Jukogyo Kabushiki Kaisha	2017391164	Baxalta Incorporated; Baxalta GmbH
2017363128	Kawasaki Jukogyo Kabushiki Kaisha	2017393175	Crown Equipment Corporation
2017363131	AiVita Biomedical, Inc.	2017394103	Killgerm Group Limited
2017363307	Dana-Farber Cancer Institute, Inc.	2017398275	An, K.
2017363356	DFINE, Inc.	2017401054	HIL Limited (formerly Hyderabad Industries Limited)
2017363455	Gas Technology Institute	2017412309	Beijing Apollo Ding Rong Solar Technology Co. Ltd.
2017363824	Surf Lakes Holdings Ltd	2017412642	Yeditepe Üniversitesi
2017363889	Hologic, Inc.	2017412791	SC Asset Corporation
2017363960	Molnycke Health Care AB	2017416649	China University of Mining and Technology
2017364118	Visa International Service Association	2017418042	Beijing Didi Infinity Technology and Development Co., Ltd.
2017364359	Magenta Medical Ltd.	2017423558	Kong, B.W.M.
2017364717	Shiseido Company, Ltd.	2017426195	Dalian University of Technology
2017364804	Teijin Pharma Limited	2017427298	Wacker Chemie AG
2017365149	Baldasare, D.; Tate, S.; Kay, R.; Horstmann, J.; Nolan, C.; Pondo, B.	2017433873	ZTE Corporation
2017365556	Grillo-Werke AG	2018206195	Samsung Electronics Co., Ltd.
2017366449	Northrop Grumman Systems Corporation	2018207075	Weatherford Technology Holdings, LLC
2017366624	Shenzhen Profound-View Pharma Tech Co., Ltd.	2018207719	National Yang-Ming University
2017366705	MarkForged, Inc.	2018207831	Siemens Aktiengesellschaft
2017366721	BlueLink Pharmaceuticals, Inc.	2018210069	Kureha Corporation
2017366734	Qualcomm Incorporated	2018221030	Wenger Manufacturing Inc.
2017366998	MarkForged, Inc.	2018231022	Alibaba Group Holding Limited
2017367254	Novartis AG	2018239819	Jets AS
2017367577	Qualcomm Incorporated	2018247202	China University of Mining and Technology
2017367694	Qualcomm Incorporated	2018253465	Hohai University
2017367706	Evoqua Water Technologies Limited	2018254766	Rm Urgecamino, S.L.

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

**2018268126** Icare Finland Oy  
**2018268163** JURA Elektroapparate AG  
**2018271138** Donkin, M.  
**2018279897** Apple Inc.  
**2018299914** Nuance Energy Group, Inc.  
**2018305147** Moj.io Inc.  
**2018311844** XCath, Inc.; The Board of Regents of The University of Texas  
**2018314720** South China Sea Institute of Oceanology, Chinese Academy of Sciences  
**2018315750** O&M Halyard International Unlimited Company  
**2018319214** Plectica LLC  
**2018322505** Xinfra pharmaceutical co., LTD  
**2018322506** Xinfra pharmaceutical co., LTD  
**2018325680** Guangdong Institute of Applied Biological Resources  
**2018327032** China University of Mining and Technology; Xuzhou Zhongmine Transmission Track Technology Co., LTD.  
**2018327954** Masterbuilt Manufacturing, LLC

IPC Index

<b><u>A01B 63 /-</u></b>	<b><u>A01N 37 /-</u></b>	<b><u>A23K 50 /-</u></b>	2017347622	<b><u>A47D 9 /-</u></b>	<b><u>A47L 9 /-</u></b>
2017343373	2017342921	2017377059	<b><u>A41B 13 /-</u></b>	2017346777	2016430486
2017378381	<b><u>A01N 43 /-</u></b>	<b><u>A23L 11 /-</u></b>	2017346960	<b><u>A47F 10 /-</u></b>	2017347219
<b><u>A01C 15 /-</u></b>	2017342576	2017339909	<b><u>A41D 13 /-</u></b>	2017351642	<b><u>A61B 1 /-</u></b>
2017348664	2017344097	2017358574	2017344102	<b><u>A47F 3 /-</u></b>	2017322747
2017378381	2017351584	2017339557	2017344465	2016427789	2017326756
<b><u>A01C 5 /-</u></b>	2017352065	<b><u>A23L 13 /-</u></b>	<b><u>A42B 1 /-</u></b>	2017351642	2017339213
2017348664	2017353264	2017351403	2018315750	<b><u>A47G 9 /-</u></b>	2017342432
<b><u>A01C 7 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A23L 17 /-</u></b>	<b><u>A42B 3 /-</u></b>	2017346846	2017354734
2017348664	2017342576	2017351403	2017344465	<b><u>A47J 27 /-</u></b>	2017355289
2017378381	<b><u>A01N 57 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A44C 5 /-</u></b>	2017325124	<b><u>A61B 10 /-</u></b>
<b><u>A01D 69 /-</u></b>	2017352065	2017337431	2017351784	<b><u>A47J 31 /-</u></b>	2017331565
2017380373	<b><u>A01N 59 /-</u></b>	2017340129	<b><u>A45C 13 /-</u></b>	2017326737	2017344031
<b><u>A01G 25 /-</u></b>	2017339101	<b><u>A23L 27 /-</u></b>	2017342026	2018268163	2017363356
2017342548	2017367706	2017340401	<b><u>A45C 3 /-</u></b>	<b><u>A47J 36 /-</u></b>	<b><u>A61B 17 /-</u></b>
<b><u>A01G 33 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23L 29 /-</u></b>	2017340450	2017351642	2017325980
2017334127	2017352065	2017325108	<b><u>A45F 3 /-</u></b>	<b><u>A47J 37 /-</u></b>	2017338624
<b><u>A01H 1 /-</u></b>	<b><u>A01P 7 /-</u></b>	2017339555	2018254766	2017341922	2017338625
2017342921	2017342576	2017339557	<b><u>A46B 17 /-</u></b>	2017349790	2017340607
<b><u>A01H 5 /-</u></b>	2017344097	2017339559	<b><u>A47B 47 /-</u></b>	2017352005	2017340975
2017342921	<b><u>A21D 2 /-</u></b>	2017339909	2016426994	2018327954	2017343635
<b><u>A01K 1 /-</u></b>	2017339909	<b><u>A23L 33 /-</u></b>	<b><u>A47B 77 /-</u></b>	<b><u>A47J 41 /-</u></b>	2017349790
2017360131	<b><u>A23B 4 /-</u></b>	2017358573	2017339108	<b><u>A47J 43 /-</u></b>	2017353899
<b><u>A01K 27 /-</u></b>	2017351403	2017358574	<b><u>A47B 91 /-</u></b>	2017346682	2017355492
2017342827	<b><u>A23G 9 /-</u></b>	<b><u>A23L 35 /-</u></b>	2017339108	<b><u>A47J 44 /-</u></b>	<b><u>A61B 18 /-</u></b>
<b><u>A01K 43 /-</u></b>	2017343998	2017322500	<b><u>A47C 20 /-</u></b>	2017322500	2017324399
2017331630	<b><u>A23J 1 /-</u></b>	2017322500	2017345346	2017325124	2017325980
<b><u>A01K 5 /-</u></b>	2017339909	2017339555	<b><u>A47C 3 /-</u></b>	2017344051	2017331525
2016425292	2017358573	2017339557	2017329476	2017375883	2017351052
<b><u>A01K 67 /-</u></b>	2017358574	2017339559	<b><u>A47C 31 /-</u></b>	2017375886	2017354868
2017354716	<b><u>A23J 3 /-</u></b>	<b><u>A23L 7 /-</u></b>	2017339108	2017375887	2017363356
<b><u>A01M 1 /-</u></b>	2017358573	2017339555	<b><u>A47J 44 /-</u></b>	<b><u>A47J 44 /-</u></b>	<b><u>A61B 3 /-</u></b>
2017394103	2017358574	2017339557	2017322500	2017322500	2017356886
<b><u>A01M 7 /-</u></b>	<b><u>A23K 10 /-</u></b>	2017339559	<b><u>A47K 10 /-</u></b>	<b><u>A47K 10 /-</u></b>	2017367254
2017339558	2017377059	2017341828	2016427799	2016427801	2018268126
<b><u>A01N 1 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A23L 7 /-</u></b>	2016427800	2016427801	<b><u>A61B 34 /-</u></b>
2017327143	2017358573	2017339555	2016427801	<b><u>A47L 11 /-</u></b>	2017340607
2017362971	2017358574	2017339557	<b><u>A47L 11 /-</u></b>	<b><u>A47L 11 /-</u></b>	2017340975
	<b><u>A23K 30 /-</u></b>	2017341828	2017296910	2017297104	2017341741
	2018221030	<b><u>A23N 17 /-</u></b>	2017297106	2017297107	2017348161
		2018221030	2017297110	2017297110	2017388217
		<b><u>A24D 1 /-</u></b>	<b><u>A47D 15 /-</u></b>	<b><u>A47L 15 /-</u></b>	<b><u>A61B 5 /-</u></b>
		2017327660	2017332702	2017349869	2016425291
		<b><u>A24F 47 /-</u></b>	<b><u>A47C 7 /-</u></b>	2017347219	2017322747
		2017327660	2017329476		2017324069
					2017324584
					2017325013
					2017325823
					2017343922
					2017344084
					2017348094
					2017350759
					2017354968

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

2017355438	<b><u>A61F 9/-</u></b>	2017338887	2017355218	2017380981	2017347538
2017356784		2017339249	2017368320	2017382243	2017350730
2017356785	2017329007	2017339576	2017382243	2017384126	2017350731
2017369014	2017338924	2017339581	2017412642	2018207719	2017350733
	2017342701	2017339786			2017350737
<b><u>A61B 6/-</u></b>	2017343675	2017339839	<b><u>A61K 36/-</u></b>	<b><u>A61K 45/-</u></b>	2017350740
	2017344465	2017340305			2017350743
2017351986		2017340350	2017334127	2016426574	2017350745
2017363889	<b><u>A61G 13/-</u></b>	2017340401	2017353327	2017330741	2017350746
		2017340403		2017330814	2017357374
<b><u>A61B 7/-</u></b>	2017353742	2017340915	<b><u>A61K 38/-</u></b>	2017340350	2017359515
		2017341324		2017342189	2017364717
2017325823	<b><u>A61G 17/-</u></b>	2017341559	2017327369	2017342436	
		2017341815	2017330338	2017346898	<b><u>A61K 9/-</u></b>
<b><u>A61B 8/-</u></b>	2017333591	2017341999	2017336088	2017360365	2016429743
		2017342189	2017338319		2017322186
2017322747	<b><u>A61G 7/-</u></b>	2017342436	2017338911	<b><u>A61K 47/-</u></b>	2017328908
2017344084		2017342462	2017340387		2017329957
2017373887	2017345346	2017342576	2017340407	2016429743	2017340407
		2017342835	2017340954	2017322544	2017341559
<b><u>A61B 90/-</u></b>	<b><u>A61H 19/-</u></b>	2017343643	2017341112	2017323504	2017341559
	2017341098	2017344178	2017341926	2017327369	2017341815
2017340607		2017344764	2017342189	2017327658	2017342433
2017340975	<b><u>A61H 21/-</u></b>	2017345214	2017342344	2017328908	2017344764
2017341741		2017345294	2017342436	2017329957	2017345470
2017355438	2017331565	2017345493	2017342536	2017338748	2017350488
		2017345685	2017345294	2017339841	2017353968
<b><u>A61C 13/-</u></b>	<b><u>A61H 23/-</u></b>	2017345736	2017345295	2017340314	2017354903
	2017331565	2017346453	2017345493	2017341559	2017359973
2017345180		2017346454	2017345764	2017344440	2017360584
<b><u>A61C 17/-</u></b>	<b><u>A61H 35/-</u></b>	2017346516	2017357052	2017344764	2017366624
	2017385152	2017346871	2017361080	2017345294	2017369603
2017342841		2017346898	2017366624	2017345295	2017378029
<b><u>A61C 7/-</u></b>	<b><u>A61H 9/-</u></b>	2017347549	2017384126	2017350488	
	2017341098	2017348100	2017412642	2017353968	<b><u>A61L 15/-</u></b>
2017328249		2017348665	<b><u>A61K 39/-</u></b>	2017360584	2017336807
2017338625		2017350488		2017363131	2017351950
		2017351744	2016426574	2017366721	
<b><u>A61D 19/-</u></b>	<b><u>A61J 17/-</u></b>	2017353315	2017325240		
	2017346960	2017353510	2017327723	<b><u>A61K 48/-</u></b>	<b><u>A61L 17/-</u></b>
2017327143		2017353968	2017329044	2017326174	2017336807
2017329105		2017354903	2017330338	2017330062	
2017345636	<b><u>A61K 31/-</u></b>	2017357503	2017330741	2017339841	<b><u>A61L 2/-</u></b>
	2016426574	2017359973	2017336088	2017341926	2016426994
<b><u>A61F 13/-</u></b>	2016429272	2017360365	2017336547	2017342176	2017353786
	2017318536	2017360584	2017336806	2017342543	
2017338924	20173122427	2017361080	2017338911	2017345430	<b><u>A61L 26/-</u></b>
2017349397	2017322544	2017362040	2017339577	2017345470	2017336807
2017351950	2017323504	2017363131	2017340407	2017346788	2017351950
	2017323521	2017363307	2017341047		
<b><u>A61F 2/-</u></b>	2017324406	2017364804	2017341926	<b><u>A61K 49/-</u></b>	
	2017325913	2017366721	2017342176		
2017323542	2017326611	2017369603	2017342189	2017382460	<b><u>A61L 27/-</u></b>
2017338624	2017327304	2017378029	2017342329		2017336807
2017338924	2017327954	2017412642	2017342462	<b><u>A61K 6/-</u></b>	2017338624
2017339426	2017328908		2017343377	2017345180	2017339426
2017339968	2017329957	<b><u>A61K 33/-</u></b>	2017343778	2017346464	2017339968
2017341922	2017330062	2017339101	2017344462		2017345731
2017342076	2017330276	2017353968	2017345203		
2017344452	2017330814		2017345390	<b><u>A61K 8/-</u></b>	<b><u>A61L 29/-</u></b>
2017345731	2017331345	<b><u>A61K 35/-</u></b>	2017346788		2017336807
2017346076	2017331940	2017326174	2017348475	2016425949	2017336807
2017353899	2017333055	2017342176	2017350488	2016426987	2018311844
2017355492	2017333056	2017342329	2017353323	2017332870	
	2017335242	2017344755	2017353378	2017334127	<b><u>A61L 31/-</u></b>
<b><u>A61F 5/-</u></b>	2017336156	2017344755	2017353443	2017334287	2017336807
	2017336547	2017346898	2017354716	2017339101	
2017359661	2017338319	2017347637	2017355446	2017343553	
2017362258	2017338564	2017347685	2017357679	2017345165	<b><u>A61L 9/-</u></b>
2018254766	2017338748	2017347851	2017359467	2017345384	2017334473
		2017354716	2017366721	2017345685	
			2017380107	2017347537	

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

<b><u>A61M 1 /-</u></b>	<b><u>A61N 7 /-</u></b>	<b><u>A61P 3 /-</u></b>	2017354716	<b><u>A62D 101 /-</u></b>	<b><u>B01F 13 /-</u></b>
2017342432	2017324399	2017323521	<b><u>A61P 43 /-</u></b>	2017330637	2017338675
2017349465	2017373887	2017331345			
2017349920		2017333055	2017327304	<b><u>A62D 3 /-</u></b>	<b><u>B01J 20 /-</u></b>
2017358483	<b><u>A61P 1 /-</u></b>	2017333056	2017342189	2017330637	2017334472
2017363960	2017346871	2017346871	2017346898		2017339569
2017364359	2017351744	2017353323	<b><u>A61P 7 /-</u></b>	<b><u>A63B 21 /-</u></b>	2017342549
		2017364804			
<b><u>A61M 11 /-</u></b>	<b><u>A61P 11 /-</u></b>	<b><u>A61P 31 /-</u></b>	2017325240	2017362151	<b><u>B01J 31 /-</u></b>
2017349790	2017328908	2017329044	2017340305		
	2017331940	2017336806	<b><u>A61P 9 /-</u></b>	<b><u>A63B 22 /-</u></b>	2017330638
<b><u>A61M 16 /-</u></b>	2017333056	2017342436		2016403396	<b><u>B01J 6 /-</u></b>
2017341838	2017336156	2017343643	2017333056		
2017342432	2017339249	2017343778	2017338319	<b><u>A63B 24 /-</u></b>	2017351743
2017342522	2017339839	2017345294	2017340305	2017326614	<b><u>B01J 8 /-</u></b>
2017343369	2017345214	2017345295	2017351744		
2017345291		2017348100	2017378029	<b><u>A63B 69 /-</u></b>	2017361717
2017345292	<b><u>A61P 13 /-</u></b>	2017350488			
2017345293	2017341324	2017353327	<b><u>A61Q 11 /-</u></b>	2016403396	<b><u>B01L 3 /-</u></b>
2017349790	2017364804		2016425949	2017363824	
		<b><u>A61P 33 /-</u></b>	2016426987	<b><u>B01D 15 /-</u></b>	2017326760
<b><u>A61M 25 /-</u></b>	<b><u>A61P 15 /-</u></b>	2017342436	2017345165	2017342549	2017338675
2017339213	2017330741	2017342576	2017345685		2017340652
2017341782	2017351744	2017357503	2017347537		2017344470
2017342522		2017363131	2017347538	<b><u>B01D 19 /-</u></b>	<b><u>B01L 7 /-</u></b>
2017349790	<b><u>A61P 17 /-</u></b>	<b><u>A61P 35 /-</u></b>	2017350730	2017321056	2017345281
2017388217	2017331948	2016426574	2017350731		
2018311844	2017334127	2017322427	2017350733	<b><u>B01D 21 /-</u></b>	<b><u>B01L 9 /-</u></b>
		2017323521	2017350737		
<b><u>A61M 35 /-</u></b>	<b><u>A61P 19 /-</u></b>	2017327954	2017350740	2017335582	2017340652
2017338624	2017329957	2017330338	2017350743	2017340073	
	2017347549	2017333056	2017350745	2017350146	<b><u>B02C 15 /-</u></b>
<b><u>A61M 39 /-</u></b>		2017335242	2017350746		
2017345171	<b><u>A61P 21 /-</u></b>	2017336088	<b><u>A61Q 17 /-</u></b>	<b><u>B01D 3 /-</u></b>	2017339435
2017346593	2017318536	2017336547	2017332870	2017335668	<b><u>B02C 23 /-</u></b>
2017358483	2017327304	2017339577	2017345685		
		2017340350	<b><u>A61Q 19 /-</u></b>	<b><u>B01D 53 /-</u></b>	2017339435
<b><u>A61M 5 /-</u></b>	<b><u>A61P 25 /-</u></b>	2017340954	2016425949	2017334472	<b><u>B03B 1 /-</u></b>
2017326760	2017325913	2017341999	2017332870	2017334473	2017339966
2017340377	2017327304	2017342189	2017334127	2017335668	
2017345167	2017329957	2017342436	2017345384	2017349650	<b><u>B03C 1 /-</u></b>
2017346477	2017331345	2017342462	2017351950		2017326760
2017361931	2017333056	2017343377	2017357374	<b><u>B01D 57 /-</u></b>	
2017362598	2017344440	2017344178		2017344755	<b><u>B03C 3 /-</u></b>
	2017340305	2017344478	<b><u>A61Q 5 /-</u></b>	2017344756	
<b><u>A61N 1 /-</u></b>	2017340915	2017345203	2017334127	<b><u>B01D 61 /-</u></b>	2017325494
2017324399	2017342436	2017345214	2017334287		
2017325013	2017344764	2017346453	2017359515	2017335668	<b><u>B03D 1 /-</u></b>
2017341934	2017353315	2017346454	2017364717	2017346858	2017339966
2017342076	2017353510	2017346516	<b><u>A62B 17 /-</u></b>	<b><u>B01D 65 /-</u></b>	2017339973
2017346598		2017348100	2017353301	2017341695	2017340897
2017350759	<b><u>A61P 27 /-</u></b>	2017348665			
	2017366624	2017354903	<b><u>A62B 35 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B03D 101 /-</u></b>
<b><u>A61N 2 /-</u></b>	<b><u>A61P 29 /-</u></b>	2017355401	2017342350	2017342548	2017340897
2017329072	2017366624	2017355446	2017342372	2017344756	<b><u>B03D 3 /-</u></b>
		2017360365		2017346858	2017335582
<b><u>A61N 5 /-</u></b>	2017325913	2017361080	<b><u>A62B 9 /-</u></b>	<b><u>B01D 71 /-</u></b>	<b><u>B04B 1 /-</u></b>
2017324069	2017331948	2017362040	2017340499	2017344756	2017351684
2017324627	2017333056	2017363307	2017353301		
2017339406	2017341559	2017412642			
2017342436	2017342436	2018207719	<b><u>A61P 37 /-</u></b>		
	2017344764		2017330338		
			2017333056		
			2017342189		

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<b><u>B04B 5 /-</u></b>	2017330164		<b><u>B32B 5 /-</u></b>	<b><u>B60K 17 /-</u></b>	<b><u>B60T 8 /-</u></b>
2017344050	<b><u>B22F 3 /-</u></b>	<b><u>B29C 43 /-</u></b>	2017341275 2017353865	2017353112	2017326530
<b><u>B04B 7 /-</u></b>	2017366998 2017368322 2017372858	2017353824		<b><u>B60K 7 /-</u></b>	<b><u>B60W 10 /-</u></b>
2017351684		<b><u>B29C 45 /-</u></b>	<b><u>B32B 7 /-</u></b>	2017353112	2017335774 2017393175
<b><u>B05B 1 /-</u></b>	<b><u>B23K 101 /-</u></b>	2017334556	2018210069	<b><u>B60L 13 /-</u></b>	<b><u>B60W 30 /-</u></b>
2017335685 2017339558 2017342548	2017345727	<b><u>B29C 59 /-</u></b>	<b><u>B33Y 10 /-</u></b>	2017325182	2017335774
<b><u>B05B 12 /-</u></b>	<b><u>B23K 103 /-</u></b>	2017353824	2017351802 2017366705 2017366998 2017368322 2017372858	<b><u>B60L 15 /-</u></b>	<b><u>B60W 40 /-</u></b>
2017339558 2017346675	2017345727	<b><u>B29C 64 /-</u></b>		2017323887	2017325182
<b><u>B05B 15 /-</u></b>	<b><u>B23K 11 /-</u></b>	2017322186 2017338624 2017366705	<b><u>B33Y 30 /-</u></b>	<b><u>B60L 5 /-</u></b>	<b><u>B60W 50 /-</u></b>
2017339558	2017345727	<b><u>B29C 65 /-</u></b>	2017338624 2017366998	2017323887	2017335774
<b><u>B05B 7 /-</u></b>	<b><u>B23K 31 /-</u></b>	2017327693 2017342228 2017345501	<b><u>B33Y 40 /-</u></b>	<b><u>B60N 2 /-</u></b>	<b><u>B61B 13 /-</u></b>
2017329902 2017345219	2017345361	<b><u>B29C 67 /-</u></b>	2017366998	2017326743	2017358776
<b><u>B05B 9 /-</u></b>	<b><u>B23K 35 /-</u></b>	2017351802	<b><u>B33Y 70 /-</u></b>	<b><u>B60P 1 /-</u></b>	<b><u>B62B 3 /-</u></b>
2017339558 2017346675	2017326626	<b><u>B29C 70 /-</u></b>	2017338624 2017351802 2017353243 2017368322 2017372858	2017342026 2017388707	2017342026
<b><u>B05D 7 /-</u></b>	<b><u>B23K 7 /-</u></b>	2017341750 2017351057 2017353865		<b><u>B60P 3 /-</u></b>	<b><u>B62B 9 /-</u></b>
2017345733	2017345361	<b><u>B29D 23 /-</u></b>	<b><u>B41J 2 /-</u></b>	2017344480	2017352242
<b><u>B06B 1 /-</u></b>	<b><u>B25D 9 /-</u></b>	2017345501	2017350235	<b><u>B60P 7 /-</u></b>	<b><u>B62D 11 /-</u></b>
2017352005	2016430056	<b><u>B29L 23 /-</u></b>	<b><u>B42D 25 /-</u></b>	2018271138	2017353112
<b><u>B06B 3 /-</u></b>	<b><u>B25F 5 /-</u></b>	2017345501	2017344035	<b><u>B60Q 1 /-</u></b>	<b><u>B62D 25 /-</u></b>
2017352005	2017351400	<b><u>B31B 50 /-</u></b>	<b><u>B60B 17 /-</u></b>	2017326536	2017383430
<b><u>B07B 1 /-</u></b>	<b><u>B25J 13 /-</u></b>	2017350340	2017340956	<b><u>B60R 21 /-</u></b>	<b><u>B62D 29 /-</u></b>
2017327702 2017327766 2017341930 2017348761	2017340975	<b><u>B31F 1 /-</u></b>	<b><u>B60B 25 /-</u></b>	2017328469	2017383430
<b><u>B07B 13 /-</u></b>	<b><u>B25J 9 /-</u></b>	2017350340	2017344826	<b><u>B60R 22 /-</u></b>	<b><u>B62D 33 /-</u></b>
2017341930	2017388217	<b><u>B32B 13 /-</u></b>	<b><u>B60B 5 /-</u></b>	2017326461	2017328469 2017348386
<b><u>B07C 5 /-</u></b>	<b><u>B27K 3 /-</u></b>	2016426183 2017401054	2017344826	<b><u>B60R 5 /-</u></b>	<b><u>B62D 49 /-</u></b>
2017335245	2017335777 2017335840 2017335844 2017335848 2017335849	<b><u>B32B 15 /-</u></b>	<b><u>B60B 9 /-</u></b>	2017348386	2017343373
<b><u>B09B 3 /-</u></b>	<b><u>B28B 1 /-</u></b>	2017341275	2017338777	<b><u>B60R 7 /-</u></b>	<b><u>B62D 55 /-</u></b>
2017338314	2017353243 2017401054	<b><u>B32B 27 /-</u></b>	2017334129	2017348386	2017340272 2017342752
<b><u>B09C 1 /-</u></b>	<b><u>B28B 7 /-</u></b>	2017327693 2017341275 2018210069	<b><u>B60J 5 /-</u></b>	<b><u>B60R 9 /-</u></b>	<b><u>B62D 6 /-</u></b>
2017330637 2017338314	2017347495	<b><u>B32B 3 /-</u></b>	2017328469	2017348386	2017393175
<b><u>B21D 5 /-</u></b>	<b><u>B29B 17 /-</u></b>	2017341275 2017351057 2017353865	<b><u>B60J 7 /-</u></b>	<b><u>B60T 13 /-</u></b>	<b><u>B62H 3 /-</u></b>
2017330164	2017341750	<b><u>B32B 38 /-</u></b>	2018271138	2017326531 2017326536	2017328288
<b><u>B21D 53 /-</u></b>	<b><u>B29B 9 /-</u></b>	2017351057	<b><u>B60K 1 /-</u></b>	<b><u>B60T 17 /-</u></b>	<b><u>B63B 13 /-</u></b>
2017329245	2017344325		2017335774 2017353112	2017326536	2017367706
				<b><u>B60T 7 /-</u></b>	<b><u>B63B 15 /-</u></b>
				2017326531 2017326536 2017418042	2017331735

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<b><u>B63B 21 /-</u></b>		<b><u>B65D 88 /-</u></b>	<b><u>B66D 1 /-</u></b>	2017330637 2017330638	<b><u>C05F 11 /-</u></b>
2017331735 2017350278	<b><u>B65C 11 /-</u></b>	2017361717	2017322228		2017339091
	2017377851	<b><u>B65G 1 /-</u></b>	<b><u>B66F 9 /-</u></b>	<b><u>C02F 5 /-</u></b>	
<b><u>B63C 11 /-</u></b>	<b><u>B65C 9 /-</u></b>	2017343939 2017362032	2017393175	2017330638	<b><u>C05G 3 /-</u></b>
2017351862	2017377851			<b><u>C02F 7 /-</u></b>	2017333600
<b><u>B64B 1 /-</u></b>	<b><u>B65D 1 /-</u></b>	<b><u>B65G 15 /-</u></b>	<b><u>B82Y 15 /-</u></b>	2018253465	<b><u>C07B 57 /-</u></b>
2017353865 2017398275	2016426157 2017342433	2016432875	2017345814	<b><u>C02F 9 /-</u></b>	2018322505 2018322506
<b><u>B64C 1 /-</u></b>	<b><u>B65D 19 /-</u></b>	<b><u>B65G 35 /-</u></b>	2017351743	2017353979	<b><u>C07C 1 /-</u></b>
2017351057	2017360374 2017360375 2017360377	2017358776	<b><u>B82Y 30 /-</u></b>	<b><u>C03B 27 /-</u></b>	2016428083
<b><u>B64C 27 /-</u></b>		<b><u>B65G 39 /-</u></b>	2017351743	2017361931	<b><u>C07C 211 /-</u></b>
2017346502	<b><u>B65D 25 /-</u></b>	2017326749	<b><u>C01B 17 /-</u></b>	<b><u>C04B 103 /-</u></b>	2017327753
<b><u>B64C 3 /-</u></b>	2017325108	<b><u>B65G 43 /-</u></b>	2016428083	2017343641	<b><u>C07C 215 /-</u></b>
2017351057 2017353865	<b><u>B65D 30 /-</u></b>	2017342026	<b><u>C01B 32 /-</u></b>	<b><u>C04B 111 /-</u></b>	2017340403
<b><u>B64C 39 /-</u></b>	2017340450	<b><u>B65G 47 /-</u></b>	2017323873 2017325118 2017335685	2017338314	<b><u>C07C 219 /-</u></b>
2017322228 2017324649 2017342058 2017398275	<b><u>B65D 33 /-</u></b>	2017358776	<b><u>C01B 33 /-</u></b>	<b><u>C04B 14 /-</u></b>	2017350488
<b><u>B64D 1 /-</u></b>	2017325124	<b><u>B65G 53 /-</u></b>	2017335685	2017358398	<b><u>C07C 229 /-</u></b>
2017322228 2017324649	<b><u>B65D 35 /-</u></b>	2017361717	<b><u>C01B 11 /-</u></b>	<b><u>C04B 16 /-</u></b>	2017325913 2017333054 2017350488
<b><u>B64D 11 /-</u></b>	2016426157	<b><u>B65G 63 /-</u></b>	2017344893 2017351743	2017343641	<b><u>C07C 233 /-</u></b>
2017322228 2017324649	<b><u>B65D 47 /-</u></b>	2017358776	<b><u>C01F 5 /-</u></b>	<b><u>C04B 2 /-</u></b>	2017350488
<b><u>B64D 11 /-</u></b>	2016426157 2017325108	<b><u>B65G 67 /-</u></b>	2017351743	<b><u>C04B 20 /-</u></b>	<b><u>C07C 245 /-</u></b>
2017326743	<b><u>B65D 5 /-</u></b>	2017342026	<b><u>C01F 11 /-</u></b>	2017343641	2017342835
<b><u>B64F 1 /-</u></b>	2017340450 2017357100	<b><u>B65H 29 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C04B 24 /-</u></b>	<b><u>C07C 255 /-</u></b>
2017342026	<b><u>B65D 65 /-</u></b>	2017377851	2017321056 2017335582 2017338605 2017339569 2017339966 2017341695 2017350146 2017353979 2017367706	2017341234 2017343641 2017358979	2017350488
<b><u>B65B 11 /-</u></b>	2018210069	<b><u>B65H 75 /-</u></b>	<b><u>C01B 33 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07C 303 /-</u></b>
2017342228 2017360943	<b><u>B65D 75 /-</u></b>	2017377851	<b><u>C02F 101 /-</u></b>	2017338314 2017341234 2017343641 2017353243 2017358979	2017365556
<b><u>B65B 25 /-</u></b>	2017342228	<b><u>B66B 11 /-</u></b>	2017330638 2017339569	<b><u>C04B 35 /-</u></b>	<b><u>C07C 309 /-</u></b>
2017360943	<b><u>B65D 81 /-</u></b>	2017343736	<b><u>C02F 103 /-</u></b>	2017349542	2017349458 2017365556
<b><u>B65B 31 /-</u></b>	2017325124 2017342228 2017357100 2018210069	<b><u>B66B 23 /-</u></b>	2017330638 2017339569	<b><u>C04B 38 /-</u></b>	<b><u>C07C 317 /-</u></b>
2017334213 2017342228 2017360943	<b><u>B65D 83 /-</u></b>	2017344480	<b><u>C02F 11 /-</u></b>	2017358398	2017342436
<b><u>B65B 55 /-</u></b>	2017329902 2017342433 2017346675	<b><u>B66C 13 /-</u></b>	2017335582 2017350146 2017353979	<b><u>C04B 41 /-</u></b>	2017369603
2017334213 2017342228 2017360943	<b><u>B65D 85 /-</u></b>	2017353114	<b><u>C02F 11 /-</u></b>	2016424720	2017369603
<b><u>B65B 61 /-</u></b>	2017328288 2017338598 2017338600 2017338601 2017338602	<b><u>B66C 23 /-</u></b>	2017335582 2017353979	<b><u>C04B 7 /-</u></b>	<b><u>C07C 407 /-</u></b>
2017342433		2017342185 2017353114	<b><u>C02F 3 /-</u></b>	2017338314	2017365556
<b><u>B65B 9 /-</u></b>			2017321056	<b><u>C05C 9 /-</u></b>	<b><u>C07C 409 /-</u></b>
2017360943				2017333600	2017365556

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<b><u>C07C 59 /-</u></b>	<b><u>C07D 317 /-</u></b>	<b><u>C07D 471 /-</u></b>	2017329044	<b><u>C08F 20 /-</u></b>	<b><u>C08L 23 /-</u></b>
2017349458	2017329469	2017322427	2017330338	2017338741	2017335777
<b><u>C07C 67 /-</u></b>	<b><u>C07D 333 /-</u></b>	2017331940	2017336088	<b><u>C08F 216 /-</u></b>	2017335844
2017341386	2017344764	2017336156	2017338911	2017341234	2017335849
<b><u>C07C 69 /-</u></b>	<b><u>C07D 401 /-</u></b>	2017340915	2017340387	<b><u>C08F 290 /-</u></b>	2017340994
2017341386	2017323521	2017341324	2017340407	2017342176	2017375365
<b><u>C07D 205 /-</u></b>	2017326611	2017341999	2017341849	<b><u>C08F 4 /-</u></b>	<b><u>C08L 27 /-</u></b>
2017341769	2017327954	2017342576	2017341926	2017349326	2017340994
2017342436	2017335242	2017346453	2017342189	<b><u>C08G 101 /-</u></b>	<b><u>C08L 33 /-</u></b>
2017348100	2017336156	2017346516	2017342329	2017334874	2016428123
<b><u>C07D 207 /-</u></b>	2017339249	<b><u>C07D 473 /-</u></b>	2017342559	<b><u>C08G 18 /-</u></b>	2017335777
2017339249	2017339839	2017345736	2017342560	2017336285	2017335844
2017339839	2017342576	2017346516	2017342921	2017326287	<b><u>C08L 67 /-</u></b>
2017342436	2017346454	<b><u>C07D 475 /-</u></b>	2017343778	<b><u>C08G 69 /-</u></b>	2017335777
<b><u>C07D 209 /-</u></b>	2017346516	2017347685	2017345764	<b><u>C08H 8 /-</u></b>	2017335844
2017333054	2017348665	2017347686	2017347685	2017335840	2017335844
2017333055	2017348665	2017348348	2017348348	2017335844	<b><u>C08L 71 /-</u></b>
2017344764	2017357333	201735218	201735218	2017335844	2017335848
<b><u>C07D 211 /-</u></b>	2017363307	2017357052	2017357052	<b><u>C08J 3 /-</u></b>	<b><u>C08L 75 /-</u></b>
2017327753	<b><u>C07D 403 /-</u></b>	2017368320	2017368320	2016428123	2017335777
2017342436	2017331345	2017380107	2017380107	<b><u>C08J 5 /-</u></b>	<b><u>C08L 79 /-</u></b>
<b><u>C07D 215 /-</u></b>	2017326611	2017380893	2017380893	2016428123	2017335844
2017333056	2017327954	2017380981	2017380981	<b><u>C08K 3 /-</u></b>	<b><u>C08L 97 /-</u></b>
2017344764	2017331345	<b><u>C07K 16 /-</u></b>	<b><u>C07K 16 /-</u></b>	2017323873	2017335777
2017357503	2017341324	2017327658	2017327658	2017325118	2017335848
<b><u>C07D 221 /-</u></b>	2017344178	2017327723	2017327723	<b><u>C08K 5 /-</u></b>	<b><u>C09B 48 /-</u></b>
2017348100	2017346454	2017329780	2017329780	2017334874	2017350235
<b><u>C07D 231 /-</u></b>	2017346516	2017336546	2017336546	2017335844	<b><u>C09B 67 /-</u></b>
2017327954	2017353264	2017340314	2017340314	2017340994	2017350235
2017331345	2017363307	2017341047	2017341047	2017375365	<b><u>C09B 69 /-</u></b>
<b><u>C07D 233 /-</u></b>	<b><u>C07D 405 /-</u></b>	2017342176	2017342176	<b><u>C08K 7 /-</u></b>	<b><u>C09D 11 /-</u></b>
2017327954	2017323521	2017342329	2017342329	2017332702	2017350235
2017331345	2017339249	2017342559	2017342559	<b><u>C08K 9 /-</u></b>	<b><u>C09D 129 /-</u></b>
<b><u>C07D 237 /-</u></b>	2017341769	2017343377	2017343377	2017335685	2017345733
2017351584	2017341769	2017343778	2017343778	<b><u>C08L 1 /-</u></b>	<b><u>C09D 133 /-</u></b>
<b><u>C07D 263 /-</u></b>	2017351584	2017344440	2017344440	2016424720	2017375365
2017344097	2017357333	2017344462	2017344462	<b><u>C08L 101 /-</u></b>	<b><u>C09D 167 /-</u></b>
<b><u>C07D 265 /-</u></b>	2017357503	2017345203	2017345203	2017349326	2017348315
2017330276	<b><u>C07D 407 /-</u></b>	2017348475	2017348475	<b><u>C08F 18 /-</u></b>	
<b><u>C07D 285 /-</u></b>	2017331345	2017353936	2017353936		
2017347549	2017339786	2017354716	2017354716		
<b><u>C07D 295 /-</u></b>	<b><u>C07D 409 /-</u></b>	2017355401	2017355401		
2017342436	2017322544	2017355446	2017355446		
	2017323504	2017359467	2017359467		
	2017331345	2017368320	2017368320		
	<b><u>C07D 413 /-</u></b>	2017380981	2017380981		
	2017335242	2017384126	2017384126		
	2017341324	<b><u>C07K 19 /-</u></b>	<b><u>C07K 19 /-</u></b>		
	2017341769	2017336546	2017336546		
	2017344097	2017342559	2017342559		
	2017346453	2017342560	2017342560		
	<b><u>C07D 417 /-</u></b>	201735446	201735446		
	2017331940	<b><u>C07K 5 /-</u></b>	<b><u>C07K 5 /-</u></b>		
	<b><u>C07D 451 /-</u></b>	2017342344	2017342344		
	2017353315	<b><u>C07K 7 /-</u></b>	<b><u>C07K 7 /-</u></b>		
		2017338911	2017338911		
		2017339096	2017339096		
		2017342344	2017342344		
		<b><u>C07K 1 /-</u></b>	<b><u>C07K 1 /-</u></b>		
		2017342921	2017342921		
		<b><u>C07K 14 /-</u></b>	<b><u>C07K 14 /-</u></b>		
		2017326174	2017326174		



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<b>C09D 17 /-</b>	<b>C10M 105 /-</b>	2017345430	2017328953	<b>C25B 1 /-</b>	<b>D21H 27 /-</b>
2017350235	2017342806	2017345470	2017330741	2017367706	2016427799
		2017345764	2017338271	2017373404	2016427800
	<b>C10M 171 /-</b>	2017346788	2017342088		2016427801
<b>C09D 201 /-</b>	2017342806	2017347637	2017344760	<b>C25B 11 /-</b>	<b>D21J 3 /-</b>
2016424720		2017347685	2017345281	2016427241	
	<b>C11D 1 /-</b>	2017347686	2017345560	2017373404	2017326737
<b>C09D 5 /-</b>	2017350309	2017348348	2017345814		
2017327753	2017352591	2017350309	2017352056	<b>C25B 15 /-</b>	<b>D21J 5 /-</b>
2017342471	2017354716	2017352591	2017354716	2017344052	2017326737
	2017355218	2017357760	2017355218	2017373404	
<b>C09J 131 /-</b>	<b>C11D 11 /-</b>	2017360666	2017359047		<b>E01B 5 /-</b>
2017423558	2017380107	2017380107	2017361117	<b>C25B 9 /-</b>	2017358776
	2017380893	2017380893	2018325680	2017367706	<b>E01C 19 /-</b>
<b>C09J 133 /-</b>	<b>C11D 17 /-</b>	<b>C12N 5 /-</b>	<b>C12R 1 /-</b>	2017373404	2017342719
2017375365	2017323891	2017326174	2016427270	<b>D03D 15 /-</b>	
		2017330741	2017347870	2017344102	<b>E01C 5 /-</b>
<b>C09K 21 /-</b>	<b>C11D 3 /-</b>	2017340716	2018314720		2017349621
2017323873	2017323891	2017342176	<b>C21D 1 /-</b>	<b>D04B 1 /-</b>	
2017325118	2017332870	2017342467	2017342752	2017332702	<b>E01C 7 /-</b>
<b>C09K 5 /-</b>	2017345685	2017342543		<b>D06F 33 /-</b>	2017334303
2017427298	2017353150	2017344755	<b>C21D 9 /-</b>	2016427897	<b>E02D 17 /-</b>
	2017362556	2017344756	2017342752	<b>D06F 37 /-</b>	2017331737
<b>C09K 8 /-</b>	<b>C11D 7 /-</b>	2017346898		2016427897	<b>E02D 29 /-</b>
2017336686	2017345685	2017347637	<b>C22B 1 /-</b>	<b>D06F 39 /-</b>	2017331737
2017341772		2017347685	2017343891	2017339108	<b>E02D 5 /-</b>
2017342365	<b>C12M 1 /-</b>	2017347851		<b>D06M 17 /-</b>	2017331737
2017358979	2017327143	2017348348	<b>C22B 23 /-</b>	2017344102	<b>E02D 7 /-</b>
<b>C10B 21 /-</b>	2017329748	2017354716	2017341012	<b>D06P 1 /-</b>	2016430056
2017329873	2017344050	2017361117	<b>C22B 3 /-</b>	2017334287	<b>E02F 3 /-</b>
	2018207831	2017362971	2017339966	<b>D06P 3 /-</b>	2017342678
<b>C10B 25 /-</b>	<b>C12M 3 /-</b>	<b>C12N 7 /-</b>		2017334287	2017343373
2017329873	2017338624	2017342543	<b>C22B 5 /-</b>	<b>D06P 5 /-</b>	<b>E02F 9 /-</b>
		2017391164	2017385010	2017334287	2017339696
<b>C10B 53 /-</b>	<b>C12N 1 /-</b>	2017326469	<b>C22B 59 /-</b>	<b>D06P 3 /-</b>	2017342678
2017329873	2017330637	2017330638	2017343891	2017334287	2017343373
2017339091	2017334127	2017336088	<b>C22B 7 /-</b>	<b>D06P 11 /-</b>	
	2017354716	2017340387	2017343891	2016427799	<b>E03B 7 /-</b>
<b>C10G 2 /-</b>	2018314720	2017341112		2016427800	2017328150
2017349289	<b>C12N 11 /-</b>	2017342536	<b>C22C 24 /-</b>	2016427801	2017333493
	2017330638	2017342543	2017368899	2016427801	2017341676
<b>C10L 1 /-</b>		2017344760	<b>C22C 38 /-</b>		
2017339091	<b>C12N 13 /-</b>	2017345560	2017342752	<b>D21H 11 /-</b>	<b>E03F 1 /-</b>
2017360489	2017330638	2017346898	<b>C23C 16 /-</b>	2016427799	2018239819
2017360490		2017347637	2017341527	2016427800	
<b>C10L 3 /-</b>	<b>C12N 15 /-</b>	2017350309	<b>C23C 24 /-</b>	2016427801	<b>E04B 1 /-</b>
2016428083	2016427270	<b>C12P 9 /-</b>	2017345219	<b>D21H 17 /-</b>	2017341275
2017339091	2017326174	2017350309	<b>C23C 8 /-</b>	2016427799	2017346910
	2017327723	<b>C12P 21 /-</b>	2017342752	2016427801	2017346914
<b>C10L 5 /-</b>	2017328950	2017340716	<b>C23C 24 /-</b>		2017346915
2017339091	2017329044	2017345430	2017345219	<b>D21H 23 /-</b>	2017346916
	2017330062	<b>C12P 7 /-</b>		2016427799	
<b>C10L 9 /-</b>	2017330338	2016427270	<b>C12Q 1 /-</b>		
2017339091	2017339576	2018207831	2017328950		
	2017339581				
	2017340716				
	2017341849				
	2017341926				
	2017342543				

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

2017347495	<b><u>E05B 27 /-</u></b>	2017347152	<b><u>E21F 1 /-</u></b>		
2017349621				<b><u>F16B 31 /-</u></b>	<b><u>F16L 19 /-</u></b>
2017358398	2017345308	<b><u>E21B 21 /-</u></b>	2017344745		
<b><u>E04B 5 /-</u></b>	<b><u>E05B 35 /-</u></b>	2017319228	<b><u>F01K 25 /-</u></b>	2016433796	2017334556
2017349621	2017345308	2017326439		<b><u>F16B 37 /-</u></b>	<b><u>F16L 21 /-</u></b>
<b><u>E04C 2 /-</u></b>	<b><u>E05B 47 /-</u></b>	<b><u>E21B 29 /-</u></b>	2017427298	2017327702	2017334556
2017331737	2017326707	2017330160	<b><u>F01N 5 /-</u></b>	2017327766	<b><u>F16L 23 /-</u></b>
2017358398	2017326712	2017355225	2017363455	<b><u>F16B 5 /-</u></b>	2017334278
	2017345308	2018207075	<b><u>F02D 19 /-</u></b>	2017327702	<b><u>F16L 33 /-</u></b>
<b><u>E04C 3 /-</u></b>	<b><u>E05B 49 /-</u></b>	<b><u>E21B 31 /-</u></b>	2017346959	2017327766	
2017330164	2017345308	2017355225	<b><u>F02D 43 /-</u></b>	<b><u>F16C 11 /-</u></b>	2017334556
<b><u>E04C 5 /-</u></b>	<b><u>E05B 63 /-</u></b>	<b><u>E21B 33 /-</u></b>	2017346959	2017339696	<b><u>F16L 35 /-</u></b>
2017334302	2017326709	2017330160	<b><u>F02G 1 /-</u></b>	<b><u>F16C 13 /-</u></b>	2017347152
2017358398		2018207075		2017326749	<b><u>F16L 47 /-</u></b>
<b><u>E04D 1 /-</u></b>	<b><u>E05B 9 /-</u></b>	<b><u>E21B 34 /-</u></b>	2017326035	<b><u>F16C 43 /-</u></b>	2017334556
2017345370	2017345308	2016433796	<b><u>F02M 25 /-</u></b>	2017339696	<b><u>F16L 55 /-</u></b>
2017401054	<b><u>E05D 11 /-</u></b>	<b><u>E21B 4 /-</u></b>	2017346959	<b><u>F16H 3 /-</u></b>	2018253465
<b><u>E04D 13 /-</u></b>	2018206195	2017333598	<b><u>F03D 9 /-</u></b>	2017333598	<b><u>F16L 59 /-</u></b>
2017330164	<b><u>E05D 15 /-</u></b>	<b><u>E21B 41 /-</u></b>	2017398275	2017380373	2017341275
2017345370	2017325105	2017342136	<b><u>F03G 5 /-</u></b>	<b><u>F16H 48 /-</u></b>	<b><u>F16M 11 /-</u></b>
2017349621	2017328469	<b><u>E21B 43 /-</u></b>	2017342350	2017353112	2017346332
<b><u>E04D 3 /-</u></b>	<b><u>E05D 3 /-</u></b>	2017334363	<b><u>F04B 19 /-</u></b>	<b><u>F16H 57 /-</u></b>	2017346515
2017345370	2017351394	2017337129	2017326035	2017346344	<b><u>F16M 13 /-</u></b>
<b><u>E04F 13 /-</u></b>	<b><u>E05D 5 /-</u></b>	2017343449	<b><u>F04B 37 /-</u></b>	<b><u>F16H 59 /-</u></b>	2017346515
2017345370	2017351394	2017349488	2017368899	2017333598	<b><u>F16N 21 /-</u></b>
<b><u>E04F 15 /-</u></b>	<b><u>E05D 7 /-</u></b>	2017412791	<b><u>F04B 9 /-</u></b>	<b><u>F16H 63 /-</u></b>	2017333740
2016426183	2017351394	<b><u>E21B 44 /-</u></b>	2017326035	2017333598	<b><u>F17C 3 /-</u></b>
2017338861	<b><u>E05F 1 /-</u></b>	2017345537	<b><u>F04D 1 /-</u></b>	<b><u>F16J 15 /-</u></b>	2017363128
2017349621	2017350490	2016433510	2017353926	2017334556	<b><u>F17D 5 /-</u></b>
<b><u>E04F 17 /-</u></b>	<b><u>E05F 15 /-</u></b>	2017342136	<b><u>F04D 17 /-</u></b>	2017341527	2017346583
2017349621	2017350490	2017345537	2017353926	2017343449	<b><u>F21K 9 /-</u></b>
<b><u>E04G 11 /-</u></b>	<b><u>E05F 3 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F04D 29 /-</u></b>	2017346344	
2017347495	2017350490	2017349488	2017353926	<b><u>F16K 1 /-</u></b>	2017340505
<b><u>E04G 21 /-</u></b>	<b><u>E06B 1 /-</u></b>	<b><u>E21B 7 /-</u></b>	2017353926	2017339558	<b><u>F21K 99 /-</u></b>
2016426183	2017350490	2016433796	2017363127	2018247202	2017340505
2017338861	<b><u>E06B 3 /-</u></b>	2017326626	<b><u>F04D 35 /-</u></b>	<b><u>F16K 27 /-</u></b>	
2017349621	2016427789	2017345537	2017363824	2018247202	<b><u>F21S 10 /-</u></b>
<b><u>E04H 15 /-</u></b>	<b><u>E06B 9 /-</u></b>	<b><u>E21C 27 /-</u></b>	<b><u>F04D 7 /-</u></b>	<b><u>F16K 37 /-</u></b>	2017340505
2017352242	2016427789	2017330401	2017363127	2017353301	2017354868
<b><u>E04H 4 /-</u></b>	2017325105	<b><u>E21D 11 /-</u></b>	<b><u>F04F 5 /-</u></b>	<b><u>F16L 1 /-</u></b>	<b><u>F21S 2 /-</u></b>
2017363824	2017368899	2017390056	2017344745	2017334278	2017354868
<b><u>E04H 6 /-</u></b>	<b><u>E06B 17 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F15B 21 /-</u></b>	2017344480	<b><u>F21S 4 /-</u></b>
2017328288	2017327051	2017328222	<b><u>F16L 17 /-</u></b>		2017340505
<b><u>E05B 17 /-</u></b>	<b><u>E21B 17 /-</u></b>				
2017345308	2017319228				

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

<b>F21S 8/-</b>	2018206195	<b>G01D 5/-</b>	<b>G01N 21/-</b>	<b>G01S 19/-</b>	2017339522 2017340775
2017354868	<b>F25D 3/-</b>	2017325116 2017342678	2017322747 2017325116 2017344050 2017382460	2016427714 2017324466	<b>G03B 19/-</b>
<b>F21V 1/-</b>	2017363127 2017363128	<b>G01F 19/-</b>		<b>G01S 3/-</b>	2017356886
2017353742	<b>F25J 1/-</b>	2017341398	<b>G01N 23/-</b>	2017323183 2017353742	<b>G03B 7/-</b>
<b>F21V 21/-</b>	2017373437	<b>G01G 17/-</b>	2017331630	<b>G01S 5/-</b>	2017356886
2017354868 2017355289	<b>F26B 21/-</b>	2016425292	<b>G01N 27/-</b>	2017323183	<b>G03F 7/-</b>
<b>F21V 23/-</b>	2017342433	<b>G01G 19/-</b>	2017355257	<b>G01S 7/-</b>	2017351802 2017353824
2017354868	<b>F26B 5/-</b>	2017322500 2017329344 2017334129 2017343373 2017388707	<b>G01N 29/-</b>	2017323183	<b>G03G 15/-</b>
<b>F21V 8/-</b>	2017342433		2017339213 2017345361	<b>G01V 1/-</b>	2017337462
2017351052	<b>F27D 1/-</b>	<b>G01G 21/-</b>	<b>G01N 30/-</b>	2016433510 2017346322 2017367825	<b>G03G 21/-</b>
<b>F21V 9/-</b>	2017349542	2017322500	2017342549 2017349488	<b>G01V 11/-</b>	2017337462
2017340505	<b>F28B 9/-</b>	<b>G01H 1/-</b>	<b>G01N 33/-</b>	2017337989 2017367825	<b>G05B 13/-</b>
<b>F23B 99/-</b>	2018239819	2017358961 2017369832	2016423082 2017323139 2017328009 2017329105 2017329780 2017330741 2017333493 2017339096 2017340091 2017340405 2017342088 2017343377 2017344050 2017345560 2017345814 2017348475 2017349488 2017354716 2017355347 2017361117 2017382460 2018325680	2017337988 2017367825	<b>G05B 15/-</b>
2017352005	<b>F28F 1/-</b>	<b>G01H 11/-</b>		<b>G01V 3/-</b>	2017343373 2017362032
<b>F23D 14/-</b>	2017329245	2017341676	<b>G01H 17/-</b>	2017323485 2017342136	<b>G05B 19/-</b>
2017326626	<b>F41G 1/-</b>	<b>G01H 9/-</b>	2017346777	<b>G01V 99/-</b>	2017343215 2017343373 2017355691
<b>F24C 15/-</b>	2017390700	2017322747 2017325116 2018327032	<b>G01M 11/-</b>	<b>G02B 1/-</b>	<b>G05F 1/-</b>
2017372764	<b>F41G 3/-</b>	<b>G01M 13/-</b>	2017341292	2017349326	2017330374 2017336039 2017336736 2017367706
<b>F24F 13/-</b>	2017356617	<b>G01M 15/-</b>	<b>G01M 3/-</b>	<b>G02B 13/-</b>	
2018239819	<b>F41G 7/-</b>	2017358961	2017340652 2017383531	2017339069	<b>G06F 1/-</b>
<b>F24S 10/-</b>	2017356617	<b>G01B 11/-</b>	<b>G01N 35/-</b>	<b>G02B 21/-</b>	2017319719 2018279897
2017345370	<b>F41H 11/-</b>	<b>G01M 15/-</b>	2017340652 2017383531	2017341708	<b>G06F 11/-</b>
<b>F24S 23/-</b>	2017356617	2017369832	<b>G01N 7/-</b>	<b>G02B 23/-</b>	2017339379 2017340761 2017353756
2017342097	<b>F41H 13/-</b>	<b>G01M 3/-</b>	2017340405	2017354734	
<b>F24S 25/-</b>	2017356617 2017390700	<b>G01M 3/-</b>	<b>G01R 19/-</b>	<b>G02B 27/-</b>	
2017344076	<b>G01B 11/-</b>	2017328150 2017341676 2017346583	2016429639	2017345780 2017346451 2017356886	<b>G06F 13/-</b>
<b>F25B 29/-</b>	2017341741 2017356847	<b>G01M 3/-</b>	<b>G01R 33/-</b>	2016424753 2017329751 2017351052 2017355289	2017341674 2017343673 2017355762
2017426195	<b>G01B 5/-</b>	<b>G01N 1/-</b>	2017324069 2017356784 2017356785	<b>G02B 6/-</b>	
<b>F25B 9/-</b>	2018325680	2017340091 2017340405 2017349488 2017362971	<b>G01S 17/-</b>	<b>G06F 15/-</b>	2017331053 2017336083
2017373437	<b>G01B 9/-</b>	<b>G01N 15/-</b>	2016425526	2017339069	<b>G06F 16/-</b>
<b>F25D 17/-</b>	2017353742	2017328510	<b>G02C 7/-</b>	2017339069	2016426423 2017340759 2017359048
2017343247	<b>G01C 21/-</b>			2017338929	
<b>F25D 19/-</b>	2017344017 2017345227 2017346866 2017353999				
2017351642	<b>G01C 3/-</b>				
<b>F25D 21/-</b>	2016425526				
2018239819					
<b>F25D 23/-</b>					
2017343247					

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

<b><u>G06F 17 /-</u></b>	<b><u>G06N 3 /-</u></b>	2017338855 2017350177 2017350945 2017351986 2017360364	<b><u>G09G 3 /-</u></b>	<b><u>H01L 33 /-</u></b>	<b><u>H02M 1 /-</u></b>
2017320349 2017331287 2017333190 2017334864 2017338773 2017338775 2017339433 2017339910 2017345199 2017350715 2017355535 2017355537 2017416649 2018319214	2017324627 2017355535 2017355537		2017353742	2017331804	2017336039 2017336736
	<b><u>G06Q 10 /-</u></b>	<b><u>G07B 15 /-</u></b>	<b><u>G10K 11 /-</u></b>	<b><u>H01L 35 /-</u></b>	<b><u>H02M 3 /-</u></b>
	2017334696 2017339910 2017341734 2017343453 2017355467 2017387668 2018231022	2017345310	2017345361	2017363455	2016434774
	<b><u>G06Q 20 /-</u></b>	<b><u>G07C 5 /-</u></b>	<b><u>G10K 9 /-</u></b>	<b><u>H01L 39 /-</u></b>	<b><u>H02M 7 /-</u></b>
	2017322412 2017335581 2017335723 2017341670 2017345310 2018231022	2018305147	2017373887	2017366449	2017336039 2017336736
<b><u>G06F 21 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G07F 7 /-</u></b>	<b><u>G10L 15 /-</u></b>	<b><u>H01L 41 /-</u></b>	<b><u>H02P 1 /-</u></b>
2016424054 2017319719 2017341674 2017342017 2017342700 2017342754 2017364118 2017368152	2017328976 2017330446 2017341784 2017345310 2017355762	2017335581	2017355535 2017355537	2017327602	2016428280
	<b><u>G06Q 40 /-</u></b>	<b><u>G08B 13 /-</u></b>	<b><u>G10L 17 /-</u></b>	<b><u>H01L 51 /-</u></b>	<b><u>H02P 21 /-</u></b>
	2017350715	2017325116 2017328026	2017322591	2017331804	2017337129
<b><u>G06F 3 /-</u></b>	<b><u>G06Q 50 /-</u></b>	<b><u>G08B 15 /-</u></b>	<b><u>G10L 25 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H02P 25 /-</u></b>
2016423733 2016426129 2017319719 2017334696 2017339910 2017341684	2017328976 2017330353 2017331287 2017333493 2017334864 2017342276 2017343215 2018231022	2017328026	2017355535 2017355537	2017348799	2016428280 2016428282
	<b><u>G06T 11 /-</u></b>	<b><u>G08B 17 /-</u></b>	<b><u>G11B 20 /-</u></b>	<b><u>H01M 2 /-</u></b>	<b><u>H02P 27 /-</u></b>
	2017324069	2017353301	2017346777	2017351400	2017337129
<b><u>G06F 5 /-</u></b>	<b><u>G06T 15 /-</u></b>	<b><u>G08B 21 /-</u></b>	<b><u>G11B 27 /-</u></b>	<b><u>H01M 4 /-</u></b>	<b><u>H02S 10 /-</u></b>
2017319719	2017342562	2017341734 2017342276 2017355691	2016426163	2016427241 2017344174 2017368562	2017331804 2017412309
<b><u>G06F 7 /-</u></b>	<b><u>G06T 17 /-</u></b>	<b><u>G08B 25 /-</u></b>	<b><u>G16B 30 /-</u></b>	<b><u>H01M 8 /-</u></b>	<b><u>H02S 20 /-</u></b>
2017341685	2017327143	2016428807 2017328026 2017341734 2017342276 2017355691	2017342688	2016427241 2017344052 2017368562	2018299914
<b><u>G06F 9 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>G08B 29 /-</u></b>	<b><u>G16H 10 /-</u></b>	<b><u>H01Q 1 /-</u></b>	<b><u>H02S 30 /-</u></b>
2017319719 2017336083 2017341684	2017345780	2017342054 2017342058	2017330353 2017339467	2016424739	2018299914
	<b><u>G06T 3 /-</u></b>	<b><u>G08B 5 /-</u></b>	<b><u>G16H 50 /-</u></b>	<b><u>H01R 13 /-</u></b>	<b><u>H02S 40 /-</u></b>
	2016425526	2017343673	2017354968	2017345352 2017351400	2017426195
<b><u>G06K 17 /-</u></b>	<b><u>G06T 5 /-</u></b>	<b><u>G08C 17 /-</u></b>	<b><u>H01F 29 /-</u></b>	<b><u>H01R 27 /-</u></b>	<b><u>H03F 1 /-</u></b>
2017327143	2017344017	2017343630	2017326303	2017351400 2017353337 2017353341	2017346844
<b><u>G06K 19 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>G08C 21 /-</u></b>	<b><u>H01H 9 /-</u></b>	<b><u>H01R 31 /-</u></b>	<b><u>H03F 3 /-</u></b>
2017327143 2017335581	2017350177	2017355691 2018299914	2017326303	2017353337 2017353341	2017346844
	<b><u>G06T 9 /-</u></b>	<b><u>G08G 1 /-</u></b>	<b><u>H01J 1 /-</u></b>	<b><u>H02J 13 /-</u></b>	<b><u>H03G 1 /-</u></b>
	2017360364	2017369014	2017340505	2017323887	2017346844
<b><u>G06K 7 /-</u></b>	<b><u>G06T 11 /-</u></b>	<b><u>G08G 5 /-</u></b>	<b><u>H01J 7 /-</u></b>	<b><u>H02J 3 /-</u></b>	<b><u>H03G 3 /-</u></b>
2017327143 2017331630	2017331352	2017355691	2017368899	2016429639 2017330374 2017336039	2017346844
	<b><u>G06T 13 /-</u></b>	<b><u>G09F 19 /-</u></b>	<b><u>H01L 21 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04B 10 /-</u></b>
	2017331352	2017355762	2017331804 2017353824 2017366449	2017341098	2017329751
<b><u>G06K 9 /-</u></b>	<b><u>G06T 15 /-</u></b>		<b><u>H01L 27 /-</u></b>		<b><u>H04B 3 /-</u></b>
2017326614 2017331352 2017341708 2017350177 2017350945	2017331352		2017356847		2017331808
	<b><u>G06T 17 /-</u></b>		<b><u>H01L 31 /-</u></b>		
	2017331352		2017331804		

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

<b>H04B 7 /-</b>	2017335243 2017339463 2017368247	2017372357
2016424252 2016424446 2017336900 2017344017 2017355592 2017358903	<b>H04N 5 /-</b>	<b>H04W 8 /-</b>
<b>H04L 1 /-</b>	2017335243 2017338855 2017339069 2017356847 2017368247	2017365149
2016424838 2017368708	<b>H04N 7 /-</b>	<b>H04W 92 /-</b>
<b>H04L 12 /-</b>	2017326614 2017355691	2017354495
2016434810 2017322500 2017355691 2017377898	<b>H04R 17 /-</b>	<b>H05B 37 /-</b>
<b>H04L 27 /-</b>	2017327602	2017354868
2017358016	<b>H04R 3 /-</b>	<b>H05B 41 /-</b>
<b>H04L 29 /-</b>	2017327602	2017354868
2017280088 2017319719 2017323547 2017331053 2017336083 2017377898	<b>H04W 12 /-</b>	<b>H05H 1 /-</b>
<b>H04L 5 /-</b>	2017323547 2017365149	2016426427
2017341344 2017358903	<b>H04W 16 /-</b>	
<b>H04L 9 /-</b>	2016424252	
2017323547 2017331255 2017364118	<b>H04W 28 /-</b>	
<b>H04M 1 /-</b>	2017341344 2017341625	
2017365149	<b>H04W 4 /-</b>	
<b>H04M 11 /-</b>	2017339771 2017341344 2017346866 2017365149	
2017331808	<b>H04W 48 /-</b>	
<b>H04N 1 /-</b>	2016411625 2017357232	
2017367694 2017368247	<b>H04W 56 /-</b>	
<b>H04N 19 /-</b>	2017360917 2017367577	
2016426262 2016426405 2017339463 2017342627 2017366734 2017367694 2017368247 2017371859	<b>H04W 64 /-</b>	
<b>H04N 21 /-</b>	2017345227	
2016426163 2016426262 2017280088	<b>H04W 72 /-</b>	
	2016411625 2016428422 2016428454 2016428457 2017337002 2017341344 2017354495 2017355592 2017433873	
	<b>H04W 74 /-</b>	
	2017358903	

Applications Accepted

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 A61L 29/08 ( 2006.01 )  
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 A61B 6/03 ( 2006.01 )  
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 (51) Int. Cl.  
 A61K 38/46 ( 2006.01 )  
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 C07K 7/06 ( 2006.01 )  
 A61K 38/00 ( 2006.01 )

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**A61P 35/00** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
*C12N 5/0784* ( 2010.01 )  
*C12N 15/09* ( 2006.01 )  
**(43)** 03.01.2019  
**(44)** 02.05.2019  
**(62)** 2015329070  
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 HAZAMA, Shoichi; TAMADA, Koji;  
 UDAKA, Keiko  
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**(71)** Cytrellis Biosystems, Inc.  
**(11)** AU-B-2014259645  
**(21)** 2014259645 **(22)** 02.05.2014  
**(54)** Microclosures and related methods for  
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**(51)** Int. Cl.  
**A61F 13/00** ( 2006.01 )  
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**(31)** 61/819,190 **(32)** 03.05.13 **(33)** US  
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 gen, Alec  
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**(21)** 2015325198 **(22)** 12.06.2015  
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 tural work vehicle  
**(51)** Int. Cl.  
**B62D 25/12** ( 2006.01 )  
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**(54)** Coated substrate and articles made  
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**C08L 23/26** ( 2006.01 )  
**C08L 51/06** ( 2006.01 )  
**C09J 123/26** ( 2006.01 )  
**C09J 125/08** ( 2006.01 )  
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 cess of making the same  
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 and articles made therefrom  
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 COMPANY  
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**A61L 27/20** ( 2006.01 )  
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*A01P 13/00* ( 2006.01 )  
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**(54)** Method of Casting  
**(51)** Int. Cl.  
**B28B 7/34** ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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**(51)** Int. Cl.  
*E04H 7/06* ( 2006.01 )  
*B65D 90/08* ( 2006.01 )  
*E04B 1/38* ( 2006.01 )  
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*F16K 15/14* ( 2006.01 )  
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*A41D 13/11* ( 2006.01 )  
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**(51)** Int. Cl.  
*B42D 25/43* ( 2014.01 )  
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*D21H 21/42* ( 2006.01 )  
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*A61Q 15/00* ( 2006.01 )  
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*C07K 19/00* ( 2006.01 )  
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**(51)** Int. Cl.  
*C07K 14/75* ( 2006.01 )  
*A61K 35/16* ( 2015.01 )  
*A61L 24/10* ( 2006.01 )  
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*A61K 31/05* ( 2006.01 )  
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 (51) Int. Cl.  
     **F27D 3/16** ( 2006.01 )  
     **C21C 5/34** ( 2006.01 )  
     **C21C 5/35** ( 2006.01 )  
     **F27D 19/00** ( 2006.01 )  
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     B65G 17/32 ( 2006.01 )  
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     G06Q 50/06 ( 2012.01 )  
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2013211505	Google LLC	2014289979	Mete, S.
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2013260686	Samsung Electronics Co., Ltd.	2014296174	Five Prime Therapeutics, Inc.
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2013289043	Unisys Corporation	2014302873	Microsoft Technology Licensing, LLC
2013291755	Licentia Group Limited; MyPinPad Limited	2014306363	Anteo Technologies Pty Ltd
2013291941	MatriceLAB Innove	2014306876	Smith & Nephew, Inc.
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2013295805	The Trustees of Columbia University in the City of New York	2014311265	iSee VC Pty Ltd
2013296233	Icahn School of Medicine at Mount Sinai	2014313921	Aan Medical Limited
2013306700	Chugai Seiyaku Kabushiki Kaisha	2014319912	Elbit Systems Ltd.
2013313332	Google LLC	2014321322	Children's National Medical Center
2013316124	REG Life Sciences, LLC	2014324601	The Government of the United States as represented by The Secretary of the Army; Alphapointe
2013318497	SecureAuth Corporation	2014326780	The Regents of the University of California
2013329427	Regulus Therapeutics Inc.	2014329956	Ethicon Endo-Surgery, LLC.
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2013340414	Caris Science, Inc.	2014331714	Mersana Therapeutics, Inc.
2013344666	Agrivida, Inc.	2014333602	Rocket Medical PLC
2013344935	CareFusion 303, Inc.	2014333835	Smith & Nephew PLC
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2013360585	Samsung Electronics Co., Ltd.	2014353860	Entech - Renewable Energy Solutions Pty.Ltd.
2013370928	Cellestis Limited	2014354629	Abbott Diabetes Care Inc.
2013375318	Interactive Intelligence, Inc.	2014354845	PlusN LLC
2013376946	Bluebeam Software, Inc.	2014357460	Schlumberger Technology B.V.
2013378122	R-Pharm International, Limited Liability Company	2014359733	Oschmann GbR
2013389985	Microsoft Technology Licensing, LLC	2014360173	VeriSkin, Inc.
2013399612	Shaw, T.; Retractable Technologies, Inc.	2014360892	Tess Electronic Company No 2 Limited
2013399916	Biteam AB	2014363071	Abionic SA
2013407420	Prysmian S.p.A.	2014363329	Revenio Research Oy
2014200984	Barbeques Galore (Aust) Pty Limited	2014365823	Asana Biosciences, LLC
2014201991	SDI Limited	2014365829	Kellogg Company
2014207914	Fisher & Paykel Healthcare Limited	2014370316	Fresenius Medical Care Holdings, Inc.
2014208209	BIOSENSE WEBSTER (ISRAEL) LTD.	2014371486	Sony Corporation
2014209581	Google LLC	2014372600	Exchange Imaging Technologies GmbH
2014211236	National University Corporation Tokyo University of Agriculture and Technology; Tohoku University; Meiji Seika Pharma Co., Ltd.	2014379451	Avery Dennison Corporation
2014228938	Bioerativ Therapeutics Inc.	2014389533	SWIMC LLC
2014230809	Ventana Medical Systems, Inc.	2014390738	Emerald Health Pharmaceuticals, Inc.
2014232154	Chart Energy & Chemicals, Inc.	2014391162	Schlumberger, Technology B.V.
2014232355	Tyco Fire Products LP	2014399293	SI&D IP Pty Ltd
2014232376	Spogen Biotech Inc.	2014400542	Meril Life Sciences Pvt. Ltd.
2014232979	The Children's Hospital of Philadelphia	2014400628	Jiangsu Hengrui Medicine Co., Ltd.
2014236005	Sensormatic Electronics LLC	2014402919	Henkel IP & Holding GmbH
2014241843	Icahn School of Medicine at Mount Sinai; Memorial Sloan Kettering Cancer Center	2014409929	Technological Resources Pty Ltd
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2014244765	Samsung Electronics Co., Ltd.	2015201087	Buildsafe Australia IP Pty Ltd
2014250924	Microsoft Technology Licensing, LLC	2015201159	The Raymond Corporation
2014251087	Lixte Biotechnology, Inc.	2015201462	Thales
2014253069	Siemens Rail Automation Holdings Limited	2015202482	Covidien LP
2014253791	Immune Design Corp.	2015202651	Techtronic Power Tools Technology Limited
2014259645	Cytrellis Biosystems, Inc.	2015203776	J.C. BAMFORD EXCAVATORS LIMITED
2014259675	Ohio State Innovation Foundation	2015203930	LMK Technologies, LLC
2014262127	Neoculi Pty Ltd	2015204606	H.B. Fuller Company
2014267529	Indena S.p.A.	2015206473	Lemke, P.; Marin, J.; Polycase Ammunition, LLC
2014268526	Facebook, Inc.	2015208199	HERMOD; MVG Industries; Centre National d'Etudes Spatiales
2014268843	Microsoft Technology Licensing, LLC	2015208896	Getinge Sterilization AB
2014272924	Euro-Celtique S.A.	2015209063	Molecular Templates, Inc.
2014278649	CareFusion 303, Inc.	2015212543	Armstrong, R.
2014281049	Microsoft Technology Licensing, LLC	2015212604	Reckitt Benckiser (Brands) Limited
2014281726	Microsoft Technology Licensing, LLC	2015213247	Bluescope Steel Limited
2014283185	Innate Pharma; Paul Scherrer Institut	2015213670	Audimax, LLC
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		2015216566	Zemach, S.

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2015217319	Caterpillar Global Mining LLC	2015277196	Racing Optics, Inc.
2015218182	Xlr Rail Ticket Systems Pty. Ltd.	2015277221	Sasol (USA) Corporation
2015218275	Intertrust Technologies Corporation	2015280283	Carbon, Inc.
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2015219078	Forced Physics LLC	2015280528	Dow Global Technologies LLC.
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2015221786	Omrix Biopharmaceuticals Ltd.	2015284365	Dow Global Technologies LLC.
2015221862	Highlife SAS	2015287208	T.A., D.
2015223377	Microsoft Technology Licensing, LLC	2015287417	Gerogiannis, A.
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2015227011	Helsinn Healthcare SA	2015287695	The Scripps Research Institute
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2015230861	The Boeing Company	2015295166	Universitat Politecnica de Catalunya
2015230939	Hypermed Imaging, Inc.	2015295299	Janssen Pharmaceutica NV
2015231534	PPC Broadband, Inc.	2015295300	Janssen Pharmaceutica NV
2015231950	Qualcomm Incorporated	2015295313	Janssen Pharmaceutica NV
2015232526	Sharp Kabushiki Kaisha	2015297470	Kyowa Hakko Bio Co., Ltd.
2015233142	Bacemint Limited	2015299007	Gambro Lundia AB
2015233875	Liebherr-Components Biberach GmbH	2015299764	Illinois Tool Works Inc.
2015233890	Tiefenbach Control Systems GmbH	2015303029	Reckitt Benckiser (Brands) Limited
2015234233	PB IP Ltd	2015303171	Philip Morris Products S.A.
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2015238513	Universiteit Gent	2015310839	Agence Nationale pour la Gestion des Dechets Radioactifs
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2015255273	Sulzer Management AG	2015353210	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences
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2015261847	Philip Morris Products S.A.	2015363925	FarmHannong Co., Ltd.
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2015391018	Halliburton Energy Services, Inc.	2016332336	MASTERCARD INTERNATIONAL INCORPORATED
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2015413026	China University of Mining and Technology	2016347522	GlaxoSmithKline Consumer Healthcare (UK) IP Limited
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2016207775	Selle Royal S.p.A.	2016350663	LG Electronics Inc.
2016208368	Hospira Australia Pty Ltd	2016357098	Northrop Grumman Systems Corporation
2016208609	Alexakis, A.	2016358298	China University of Mining and Technology
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2016219508	Amsted Rail Company, Inc.	2016359516	Gemtier Medical (Shanghai) Inc.
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2016223235	Halliburton Energy Services, Inc.	2016365524	Smart Installations AS
2016224323	LG Electronics Inc.	2016367037	Poviva Tea, LLC; Docherty, J.; Bunka, C.; Ihrke, T.
2016226595	Wing Aviation LLC	2016372711	ExxonMobil Upstream Research Company
2016226812	JFE Galvanizing & Coating Co., Ltd.; JFE Steel Corporation	2016372757	Baoshan Iron & Steel Co., Ltd.
2016227498	UCL Business PLC	2016374485	Air Products and Chemicals, Inc.
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2016232774	The Clorox Company	2016380944	Intercontinental Great Brands LLC
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2016234065	CJ Cheiljedang Corporation	2016388350	Northrop Grumman Systems Corporation
2016238904	Fisher & Paykel Healthcare Limited	2016390056	Uber Technologies, Inc.
2016240037	Innova Patent GmbH	2016392646	Mitsubishi Electric Corporation
2016241146	Limited Liability Company "United Facade Company"	2016393093	JFE Steel Corporation
2016243902	Biomet Biologics, LLC	2016393481	Fuji Corporation
2016250485	Apple Inc.	2016396708	China University of Mining and Technology
2016250577	Flowserve Management Company	2016400578	Mitsubishi Electric Corporation
2016251415	Mina Therapeutics Limited	2016400675	Mitsubishi Electric Corporation
2016252892	Trevi Therapeutics, Inc.	2016404484	Yuzen Sustainable Energy Co., Ltd; Yuzen (HK) Sustainable Energy Co., Ltd; Yuzen Sustainable Energy Pte Ltd
2016253166	Odourless Sweden AB	2016412809	Essity Hygiene and Health Aktiebolag
2016253439	HH Patent A/S	2016414182	Essity Hygiene and Health Aktiebolag
2016253648	Children's Medical Center Corporation; The Brigham and Women's Hospital, Inc.	2017200115	Amgen Inc.
2016256775	Forever Young International, Inc.	2017200540	Apex Brands, Inc.
2016257307	Inventio AG	2017200740	PCP Tactical, LLC
2016262670	Haddock, R.; Haddock, D.	2017200967	W. L. Gore & Associates, Inc.
2016263357	Lavatec Laundry Technology GmbH	2017201230	Gilead Sciences, Inc
2016265556	Polaris Industries Inc.	2017201263	Facebook, Inc.
2016269145	MedImmune Limited	2017201358	Ganymed Pharmaceuticals GmbH
2016271049	illumina, Inc.	2017201431	Baxalta Incorporated; Baxalta GmbH
2016277715	Wolf Appliance, Inc.	2017201608	Ionis Pharmaceuticals, Inc.
2016277730	High Gear Specialties, Inc.	2017201743	Intellikine, LLC
2016287080	Innova Patent GmbH	2017202117	Weatherford Technology Holdings, LLC
2016287500	Gilead Sciences, Inc.	2017202168	CommScope Connectivity Belgium BVBA
2016291287	Sonderhoff Engineering GmbH	2017202234	Emory University
2016296216	OPTERION Health AG	2017202341	Eisai, Inc.
2016296785	TRiCares	2017202650	Aristocrat Technologies Australia Pty Limited
2016299546	Samyang Biopharmaceuticals Corporation	2017202657	Newpark Mats and Integrated Services LLC
2016301348	Becton, Dickinson and Company	2017202702	Arbutus Biopharma Corporation
2016303051	Raytheon Company	2017203338	Britax Romer Kindersicherheit GmbH
2016306090	Novartis AG; Palobiofarma, S.L.	2017203340	Purdue Research Foundation
2016312628	Medtronic Vascular Inc.	2017203548	Cell Signaling Technology, Inc.
2016315762	Medtronic Vascular Inc.	2017203695	Engineered Plastics Inc.
2016316285	LG Electronics Inc.	2017204122	Polyphor AG
2016316541	Fontaine Engineering und Maschinen GmbH	2017204143	Velos Media International Limited
2016316922	The Procter & Gamble Company	2017204255	Polaris Industries Inc.
2016316961	Shell Internationale Research Maatschappij B.V.	2017204310	Toshiba Fuel Cell Power Systems Corporation
2016318314	J.R. Simplot Company	2017204463	Ventana Medical Systems, Inc.
2016320326	Shell Internationale Research Maatschappij B.V.	2017204578	Bayer HealthCare LLC
2016320748	Novartis AG	2017206141	WisTa Laboratories Ltd
2016322440	Stavrou, P.; Piontek, A.	2017206218	University College Cardiff Consultants Limited
2016323839	Baker Hughes, a GE Company, LLC	2017206277	National Taiwan University
2016328065	LG Electronics Inc.	2017208200	Envirosight LLC
2016328303	Merck Sharp & Dohme Corp.; Merck Sharp & Dohme Limited	2017208335	nVent Services GmbH
		2017209635	Guangzhou Kingser Electronics Co., Ltd

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2017210609	Canon Kabushiki Kaisha	2017403347	O&M Halyard International Unlimited Company
2017210614	Adimab, LLC	2018200014	ServiceNow, Inc.
2017211678	Dow AgroSciences LLC	2018200095	Novartis AG
2017211774	Dow AgroSciences LLC	2018200152	Agency for Science, Technology and Research
2017213504	Xtreme Well Technology Limited	2018200201	Johnson & Johnson Surgical Vision, Inc.
2017213534	The Scripps Research Institute	2018200272	Apple Inc.
2017213548	O'Donnell, J.	2018200276	Nantomics, LLC
2017213566	Nestec S.A.	2018200578	VEMAG Maschinenbau GmbH
2017216454	Forced Physics LLC	2018201352	Illumina, Inc.
2017216516	Google LLC	2018201373	Cataler Corporation; Toyota Jidosha Kabushiki Kaisha
2017218983	Neupharma, Inc.	2018201397	Mannkind Corp
2017219091	Pierre Fabre Medicament	2018201405	Lantheus Medical Imaging, Inc.
2017221775	FLSmidth A/S	2018201421	E. I. DU PONT DE NEMOURS AND COMPANY
2017221819	Tangent Reprofilng Limited	2018201653	Convergence Pharmaceuticals Limited
2017221874	BRISTOL-MYERS SQUIBB COMPANY	2018201667	TINNUS ENTERPRISES, LLC
2017225105	Weatherford Technology Holdings, LLC	2018201711	Intel IP Corporation
2017228557	9Dot Solutions (Pty) Ltd	2018201793	Accenture Global Solutions Limited
2017228609	Asics Corporation	2018202190	AGAIN LIFE ITALIA SRL
2017228650	Francotyp-Postalia GmbH	2018202270	E. I. DU PONT DE NEMOURS AND COMPANY
2017232048	Curemark, LLC	2018202439	Philip Morris Products S.A.
2017232222	MILWAUKEE ELECTRIC TOOL CORPORATION	2018202756	CrossRoads Extremity Systems, LLC
2017232233	The University of Toledo	2018203091	The Scripps Research Institute
2017232234	Toyota Jidosha Kabushiki Kaisha	2018203193	Nicira, Inc.
2017234302	MEDACTA INTERNATIONAL SA	2018203265	Hilti Aktiengesellschaft
2017235926	Bourgault Industries Ltd.	2018203293	THE CHEMOURS COMPANY FC, LLC.
2017239565	Alarm.com Incorporated	2018203349	Weber-Stephen Products LLC
2017239618	Apple Inc.	2018203528	Sony Corporation
2017239870	JX Nippon Mining & Metals Corporation	2018203582	Hanall Biopharma Co., Ltd.
2017240575	SurgiQuest, Inc.	2018203790	Thuuz, Inc.
2017240612	LG Electronics Inc.	2018204570	Samsung Electronics Co., Ltd.
2017245407	Hua, S.	2018204671	Vertex Pharmaceuticals Incorporated
2017247282	Peking University	2018205175	Buildsafe Australia IP Pty Ltd
2017248430	CATERPILLAR INC.	2018206761	Guo, Q.
2017248440	Aerie Pharmaceuticals, Inc	2018208636	Asia Fastening (US), Inc.; Nucor Corporation
2017248445	Flanders Electric Motor Service, Inc.	2018208755	Diversey, Inc.
2017248540	Trividia Health, Inc.	2018214095	Caterpillar Inc.
2017254803	Magic Leap, Inc.	2018217263	Larboard Pty Ltd
2017254815	Los Alamos National Security, LLC; Imperial Innova- tions Limited	2018220016	Becton, Dickinson and Company
2017254826	Frac Shack Inc.	2018220129	NIPPON TELEGRAPH AND TELEPHONE CORPORA- TION
2017254953	Bally Gaming, Inc.	2018229420	Becton, Dickinson and Company
2017256387	DIO Corporation	2018229452	Titan Trailers Inc.
2017258283	Lantech.com, LLC	2018229481	SONG HONG FOOD.,JSC
2017258814	Teleflex Life Sciences Unlimited Company	2018233029	Edgewell Personal Care Brands, LLC
2017258931	Cefront Technology AS	2018241048	Guangzhou Kaijie Power Supply Industrial Co. Ltd.
2017258936	Nemaska Lithium Inc.	2018247256	LANDA LABS (2012) LTD
2017261479	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.; Atox Bio Ltd.	2018253498	Wing, D.
2017261560	The Chamberlain Group, Inc.	2018256555	EyeVerify Inc.
2017261564	Atrium Medical Corporation	2018256618	Jinfuyu Industrial Co., Ltd.
2017264983	Covidien LP	2018267615	Serendipity Technologies LLC
2017265059	Accenture Global Solutions Limited	2018271273	Murphy, N.
2017265171	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED	2018274976	Cytlimic Inc.
2017265769	Taiho Pharmaceutical Co., Ltd.	2019200334	Daly, A.
2017268106	American Sterilizer Company	2019201695	Taizhou Jiaojiang Ruijiang Computer Co., Ltd.
2017268154	Eli Lilly and Company	2019202323	Lanxi Zhengke Lockset Co., Ltd.
2017272171	GTECH Canada ULC		
2017272244	Depuy Synthes Products, LLC		
2017279698	Techtronic Outdoor Products Technology Limited		
2017279752	Astrolink International LLC; Dominion Energy Technolo- gies, Inc.		
2017301731	Carl Zeiss Vision International GmbH		
2017303210	Menicon Co., Ltd		
2017307124	Jiangsu Goldwind Science & Technology Co., Ltd.		
2017317329	Senju Metal Industry Co., Ltd.		
2017332963	Downhole Technology, LLC		
2017335953	Dainichiseika Color & Chemicals MFG. Co., Ltd.		
2017335976	Facebook, Inc.		
2017346069	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.		
2017346759	Etherdyne Technologies Inc		

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2017235926	2015339208	<b><u>A47F 10 /-</u></b>	2017264983	2017200967	2014267529
<b><u>A01C 5 /-</u></b>	2015371074	2015218182	<b><u>A61B 5 /-</u></b>	2017261564	
2017235926	<b><u>A01N 63 /-</u></b>	<b><u>A47F 5 /-</u></b>	2014278649	2017272244	<b><u>A61K 38 /-</u></b>
<b><u>A01C 7 /-</u></b>	2015339208	2015218182	2014293401	2018200095	2013378122
2017235926	<b><u>A01N 65 /-</u></b>	<b><u>A47G 23 /-</u></b>	2014333602	<b><u>A61F 7 /-</u></b>	2014228938
<b><u>A01D 34 /-</u></b>	2018229481	2014308475	2014354629	2014326780	2014244232
2015227425	<b><u>A01P 11 /-</u></b>	<b><u>A47J 31 /-</u></b>	2014360173	2016256775	2014350714
<b><u>A01D 45 /-</u></b>	2015276360	2014296944	2014363329	<b><u>A61F 9 /-</u></b>	2014372600
2015227425	<b><u>A01P 13 /-</u></b>	2015320840	2015242412	2015277196	2015218704
<b><u>A01F 15 /-</u></b>	2015371074	<b><u>A47J 37 /-</u></b>	2016301348	2018200201	2015235979
2015311895	<b><u>A01P 3 /-</u></b>	2014200984	2017206218	<b><u>A61G 7 /-</u></b>	2015287695
<b><u>A01H 5 /-</u></b>	2017211678	2018203349	2017248540	2016393481	2016328303
2015331371	<b><u>A23F 3 /-</u></b>	<b><u>A47K 10 /-</u></b>	2017256387	2017268106	2017201358
2015363925	2016367037	2014389533	2017264983	<b><u>A61K 31 /-</u></b>	2017202234
<b><u>A01K 47 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A47K 7 /-</u></b>	<b><u>A61B 6 /-</u></b>	2013329427	2017203548
2015287417	2015262016	2014389533	2015238513	2013354857	2017204122
<b><u>A01K 69 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A47L 13 /-</u></b>	2017256387	2014251087	2017213566
2018253498	2016234065	<b><u>A47L 15 /-</u></b>	<b><u>A61B 8 /-</u></b>	2014253791	2017232048
<b><u>A01M 7 /-</u></b>	<b><u>A23K 50 /-</u></b>	2016328065	2014293401	2014262127	2017261479
2015265651	2015262016	<b><u>A47L 9 /-</u></b>	2014331433	2014272924	2018274976
<b><u>A01N 1 /-</u></b>	<b><u>A23L 3 /-</u></b>	2017240612	2014360173	2014283264	
2015259373	2015234233	<b><u>A61B 1 /-</u></b>	2017264983	2014365823	<b><u>A61K 39 /-</u></b>
<b><u>A01N 25 /-</u></b>	<b><u>A24D 1 /-</u></b>	2015242144	<b><u>A61C 1 /-</u></b>	2014400628	2013306700
2015276360	2018202439	<b><u>A61B 17 /-</u></b>	2017256387	2015225828	2014228938
2015371074	<b><u>A24D 3 /-</u></b>	2014324601	<b><u>A61C 13 /-</u></b>	2015229403	2014241843
2017211678	2018202439	2014329956	2015235979	2015249809	2014283185
<b><u>A01N 37 /-</u></b>	<b><u>A24F 47 /-</u></b>	2015202482	2015287688	2015287688	2014296174
2017211774	2015261847	2015214157	2015295299	2015295300	2015209063
<b><u>A01N 43 /-</u></b>	<b><u>A41D 13 /-</u></b>	2015324145	2015295313	2015295313	2015320673
2014251087	2015395831	2017234302	2015306458	2015249809	2015355126
2017211678	2017403347	2017245407	2015353210	2015287688	2016214439
2018202270	<b><u>A43B 13 /-</u></b>	2017258814	2016228574	2015295299	2016269145
<b><u>A01N 47 /-</u></b>	2017228609	2017272244	2016232978	2015295300	2016306090
2015371074	<b><u>A45D 26 /-</u></b>	2018202756	2016251415	2015295313	2017200115
<b><u>A01N 49 /-</u></b>	<b><u>A47C 27 /-</u></b>	2018217263	2016287500	2015306458	2017201358
2015276360	2014399293	<b><u>A61B 18 /-</u></b>	2016287500	2015353210	2017202234
<b><u>A01N 55 /-</u></b>	2014321322	2017240575	2016296216	2016228574	2017206277
2015234233	2015295166	<b><u>A61B 3 /-</u></b>	2016296216	2016232978	2018203582
		2015221862	2016287500	2016251415	2018274976
		2015264670	2016296216	2016287500	<b><u>A61K 45 /-</u></b>
		2015320825	2016299546	2016296216	2015235979
		2016296785	2016306090	2016299546	2016306090
		2016312628	2016348546	2016306090	2017221819
			2016348620	2016306090	2018202190
			2016359438	2016306090	
			2017201743	2016348546	<b><u>A61K 47 /-</u></b>
			2017202702	2016348620	2013306700
			2017203340	2016359438	2015229403
			2017213534	2017201743	2016299546
			2017218983	2017202702	2016330390
			2017221819	2017203340	2017221819
			20172247282	2017213534	
			2017248440	2017218983	<b><u>A61K 48 /-</u></b>
			2017265769	2017221819	2017202234
			2017268154	2017247282	
			2018201653	2017248440	<b><u>A61K 49 /-</u></b>
			2018202190	2017265769	2016330390
			<b><u>A61F 2 /-</u></b>	2017268154	2017203340
			2015221862	2018201653	
			2015264670	2018202190	<b><u>A61K 51 /-</u></b>
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			2016296785	<b><u>A61K 35 /-</u></b>	
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2015323559	<b><u>A61M 15 /-</u></b>	2014365823		2017272171	
<b><u>A61K 8 /-</u></b>	2015257815	<b><u>A61P 25 /-</u></b>	<b><u>A61P 43 /-</u></b>	<b><u>A63H 27 /-</u></b>	<b><u>B07B 1 /-</u></b>
2015411328	<b><u>A61M 16 /-</u></b>	2015295299	2015235979		2016358298
2016253166		2015295300	2017265769	2018201667	<b><u>B21D 11 /-</u></b>
2018247256	2016238904	2015295313	<b><u>A61P 5 /-</u></b>	<b><u>B01D 27 /-</u></b>	2015299764
<b><u>A61K 9 /-</u></b>	<b><u>A61M 19 /-</u></b>	2017213534	2017221819	2015299007	<b><u>B21D 22 /-</u></b>
2014283264	2014326780	2017232048	<b><u>A61P 9 /-</u></b>	<b><u>B01D 29 /-</u></b>	2015299764
2015229403		2017247282		2015249528	<b><u>B21D 5 /-</u></b>
2016228574	<b><u>A61M 25 /-</u></b>	2017268154	<b><u>A61P 11 /-</u></b>	<b><u>B01D 53 /-</u></b>	2015299764
2016287500	2014333602	2018201653	2013378122	2018201373	<b><u>B21D 51 /-</u></b>
2016299546	2017204578	2018202190	2016232978	<b><u>B01D 61 /-</u></b>	2015299764
2016320748	2018220016		<b><u>A61Q 11 /-</u></b>	2015299007	<b><u>B22F 7 /-</u></b>
2016330390	<b><u>A61M 35 /-</u></b>	<b><u>A61P 29 /-</u></b>	2015323559	2017258936	
2017202702	2014313921	2017374767	2015411328	<b><u>B01J 23 /-</u></b>	2017317329
<b><u>A61L 15 /-</u></b>	<b><u>A61M 39 /-</u></b>	2018202190	<b><u>A61Q 15 /-</u></b>	2016316922	<b><u>B23B 41 /-</u></b>
2016412809	2014296130	<b><u>A61P 3 /-</u></b>	2016253166	<b><u>B01J 27 /-</u></b>	2015331015
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2015360541	2018229420	2015235979	2018247256	<b><u>B01J 29 /-</u></b>	2015331015
<b><u>A61L 2 /-</u></b>	<b><u>A61M 5 /-</u></b>	2017200115	<b><u>A62B 18 /-</u></b>	2018201373	<b><u>B23B 51 /-</u></b>
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2018208755	2015299007	2014262127	<b><u>A62B 9 /-</u></b>	2015277221	<b><u>B23D 15 /-</u></b>
<b><u>A61L 24 /-</u></b>	2016347522	2014350714	2016238904	<b><u>B01J 35 /-</u></b>	2016365524
2015221786	2016359516	2015287695	<b><u>A62C 3 /-</u></b>	2016316922	<b><u>B23D 21 /-</u></b>
2017232233	2018200152	2017202234	2014232355	<b><u>B01J 37 /-</u></b>	2016365524
<b><u>A61L 27 /-</u></b>	<b><u>A61N 1 /-</u></b>	2017206277	<b><u>A62C 31 /-</u></b>	2016316922	<b><u>B24B 19 /-</u></b>
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2015359286	<b><u>A61N 5 /-</u></b>	<b><u>A61P 35 /-</u></b>	2014289979	<b><u>B01J 7 /-</u></b>	2016253439
2015360541	2013354857	2013295805	<b><u>A62C 37 /-</u></b>	2014207914	2016253439
2016208609		2013354857	2014289979	<b><u>B01L 3 /-</u></b>	<b><u>B24B 41 /-</u></b>
2017245407	<b><u>A61P 1 /-</u></b>	2014241843	2014289979	2014363071	2016253439
2017303210	2016232978	2014253791	<b><u>A62C 99 /-</u></b>	2016271049	<b><u>B24D 11 /-</u></b>
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2015360541	<b><u>A61P 13 /-</u></b>	2015225828	2013349487	<b><u>B05B 12 /-</u></b>	<b><u>B25F 3 /-</u></b>
<b><u>A61M 1 /-</u></b>	2013329427	2015287688	<b><u>A63B 69 /-</u></b>	2015388868	2017279698
2014232979	2014267529	2015306458	2013349487		
2014306876	2016232978	2015353210	2017206218		
2014333602		2016227498	<b><u>A63F 1 /-</u></b>		
2014370316	<b><u>A61P 17 /-</u></b>	2016269145			
2015299007	2017221819	2016306090			
2016243902	2018202190	2016348546			
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2015331015	2014379451	<b><u>B60T 8 /-</u></b>	2017258931	<b><u>B65D 75 /-</u></b>	<b><u>B66D 1 /-</u></b>
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2015331015	2015284365	<b><u>B60W 10 /-</u></b>	2017258931	2016380944	<b><u>B66F 9 /-</u></b>
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<b><u>B26D 1 /-</u></b>	2015274036	<b><u>B60W 30 /-</u></b>	2015230861	2015326477	2017228557
2016318314	<b><u>B33Y 10 /-</u></b>	2014409929	<b><u>B64C 39 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>B67C 3 /-</u></b>
<b><u>B26D 3 /-</u></b>	2015359286	<b><u>B61B 12 /-</u></b>	2016226595	2014201991	2018201667
2016318314	<b><u>B42D 25 /-</u></b>	2015413026	<b><u>B64C 9 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>B67D 7 /-</u></b>
<b><u>B26D 7 /-</u></b>	2015254565	2016240037	2015230861	2014389533	2017254826
2016318314	<b><u>B42F 9 /-</u></b>	<b><u>B61B 9 /-</u></b>	<b><u>B65B 11 /-</u></b>	2014402919	<b><u>B81B 1 /-</u></b>
<b><u>B28B 1 /-</u></b>	2015218182	2015310839	2017258283	2015212604	2017216454
2018271273	<b><u>B60G 7 /-</u></b>	2015413026	<b><u>B65B 19 /-</u></b>	2015388868	<b><u>B65D 85 /-</u></b>
<b><u>B28B 19 /-</u></b>	2016265556	<b><u>B61H 13 /-</u></b>	2018200578	<b><u>B65D 85 /-</u></b>	<b><u>C01B 17 /-</u></b>
2015233142	<b><u>B60H 1 /-</u></b>	2016219508	<b><u>B65B 3 /-</u></b>	2014402919	2015369544
<b><u>B28B 23 /-</u></b>	2015265651	<b><u>B61L 21 /-</u></b>	2018201667	2015303171	<b><u>C01B 25 /-</u></b>
2018271273	<b><u>B60K 11 /-</u></b>	2014253069	<b><u>B65B 31 /-</u></b>	<b><u>B65D 90 /-</u></b>	2015339815
<b><u>B28B 7 /-</u></b>	2016265556	<b><u>B62D 1 /-</u></b>	2016208368	<b><u>B65G 1 /-</u></b>	<b><u>C02F 1 /-</u></b>
2018271273	<b><u>B60K 13 /-</u></b>	2016265556	2016346583	2015218182	2015243508
<b><u>B29C 33 /-</u></b>	2016265556	<b><u>B62D 23 /-</u></b>	<b><u>B65B 35 /-</u></b>	<b><u>B65G 17 /-</u></b>	2015249521
2015206473	<b><u>B60K 17 /-</u></b>	2017204255	2018200578	2015218182	<b><u>C02F 101 /-</u></b>
<b><u>B29C 45 /-</u></b>	2016205360	<b><u>B62D 25 /-</u></b>	<b><u>B65B 41 /-</u></b>	<b><u>B65G 65 /-</u></b>	<b><u>C02F 103 /-</u></b>
2015206473	2016265556	2015325198	2017258283	2017228557	2015249521
2016291287	<b><u>B60K 23 /-</u></b>	2017204255	<b><u>B65B 61 /-</u></b>	<b><u>B65G 67 /-</u></b>	<b><u>C02F 9 /-</u></b>
<b><u>B29C 67 /-</u></b>	2015258269	<b><u>B62D 33 /-</u></b>	2016346583	2018229452	2015249521
2015243552	<b><u>B60K 5 /-</u></b>	2017204255	<b><u>B65B 9 /-</u></b>	<b><u>B66B 5 /-</u></b>	<b><u>C04B 111 /-</u></b>
2015359286	2016265556	<b><u>B62D 55 /-</u></b>	2016380944	2015413026	2018203265
<b><u>B29D 22 /-</u></b>	2016265556	2015412489	<b><u>B65D 21 /-</u></b>	2016257307	<b><u>C04B 26 /-</u></b>
2014402919	<b><u>B60N 2 /-</u></b>	<b><u>B62D 63 /-</u></b>	2015204606	<b><u>B66B 7 /-</u></b>	2018203265
<b><u>B30B 9 /-</u></b>	2017203338	2018229452	<b><u>B65D 25 /-</u></b>	2015233875	<b><u>C04B 35 /-</u></b>
2015311895	<b><u>B60P 1 /-</u></b>	<b><u>B62H 3 /-</u></b>	2014201991	2015413026	2015371495
<b><u>B32B 15 /-</u></b>	2016265556	2016287080	<b><u>B65D 35 /-</u></b>	2016241146	<b><u>C04B 40 /-</u></b>
2015292188	2018229452	<b><u>B62J 1 /-</u></b>	2014402919	<b><u>B66C 1 /-</u></b>	2018203265
<b><u>B32B 25 /-</u></b>	2017204255	2016207775	<b><u>B65D 47 /-</u></b>	2017228557	<b><u>C07C 1 /-</u></b>
2015274036	<b><u>B60R 11 /-</u></b>	<b><u>B62J 11 /-</u></b>	2015326477	2017228557	2015235979
<b><u>B32B 27 /-</u></b>	2016265556	2016277730	2016208368	<b><u>B66C 13 /-</u></b>	<b><u>C07C 211 /-</u></b>
2015274036	2016277730	<b><u>B62M 6 /-</u></b>	<b><u>B65D 5 /-</u></b>	2015233875	2016232978
2015284365	<b><u>B60R 22 /-</u></b>	2015314858	2015303171	<b><u>B66C 15 /-</u></b>	2017202702
<b><u>B32B 3 /-</u></b>	2017203338			2015233875	

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<u>C07C 217 /-</u>	<u>C07D 217 /-</u>	<u>C07D 487 /-</u>	<u>C07K 16 /-</u>	<u>C08L 9 /-</u>	2016320326
2016232978	2017248440	2015249809	2013306700	2017228609	<u>C10L 5 /-</u>
<u>C07C 225 /-</u>	<u>C07D 231 /-</u>	2015295299	2014228938	<u>C09B 57 /-</u>	2015250344
2014390738	2015306458	2015295300	2014296174	2017335953	<u>C10M 171 /-</u>
<u>C07C 231 /-</u>	<u>C07D 233 /-</u>	2015295313	2016227498	<u>C09B 67 /-</u>	2018203293
2018201421	2016232978	2017201743	2016269145	2017335953	<u>C11D 10 /-</u>
<u>C07C 235 /-</u>	<u>C07D 237 /-</u>	2017265769	2016306090	<u>C09C 1 /-</u>	2015303029
2017211678	2014400628	2018201653	2016320748	2015263113	<u>C11D 17 /-</u>
2017211774	<u>C07D 239 /-</u>	<u>C07D 489 /-</u>	2017200115	<u>C09D 133 /-</u>	2015212604
<u>C07C 237 /-</u>	2015353210	2017213534	2017201358	2015366910	2015303029
2017248440	<u>C07D 241 /-</u>	<u>C07D 491 /-</u>	2017202341	<u>C09D 5 /-</u>	<u>C11D 3 /-</u>
2018201421	2017218983	2016252892	2017210614	2015280528	2015288195
<u>C07C 275 /-</u>	2018201397	<u>C07D 498 /-</u>	2017219091	2015366910	2015303029
2015227011	<u>C07D 261 /-</u>	2017268154	2017221874	<u>C09J 111 /-</u>	2015328363
<u>C07C 39 /-</u>	2016232978	<u>C07D 513 /-</u>	2018203582	2016221620	<u>C12N 1 /-</u>
2016232978	2018202270	2018203091	<u>C07K 17 /-</u>	<u>C09J 123 /-</u>	2013316124
<u>C07C 41 /-</u>	<u>C07D 263 /-</u>	<u>C07F 9 /-</u>	2014306363	2015274036	2014211236
2015277221	2016232978	2014283264	<u>C07K 19 /-</u>	<u>C09J 125 /-</u>	2014232376
<u>C07C 43 /-</u>	<u>C07D 279 /-</u>	<u>C07H 13 /-</u>	2013306700	2015274036	2015259373
2015277221	2017206141	2015297470	2013378122	<u>C09J 151 /-</u>	2016328303
<u>C07C 47 /-</u>	<u>C07D 309 /-</u>	<u>C07H 15 /-</u>	2014232376	2015274036	<u>C12N 15 /-</u>
2016232978	2017201230	2017206277	2014259675	<u>C09K 3 /-</u>	2013306700
<u>C07C 51 /-</u>	<u>C07D 401 /-</u>	<u>C07H 19 /-</u>	2017200115	2018203293	2013329427
2016316922	2015225828	2016328303	<u>C07K 7 /-</u>	<u>C09K 5 /-</u>	2013331193
<u>C07C 65 /-</u>	2015227011	2017201230	2014244232	2018203293	2013340414
2016232978	2015249809	<u>C07H 21 /-</u>	2017201431	<u>C09K 8 /-</u>	2013344666
<u>C07C 69 /-</u>	2015287688	2013295805	2017204122	2014391162	2013378122
2016232978	2015353210	2013344666	2018274976	2015256353	2014241843
<u>C07C 69 /-</u>	2016232978	2016251415	<u>C07K 9 /-</u>	<u>C10B 57 /-</u>	2015209063
2014390738	2017248440	2017201358	2015287695	2015355919	2015216917
<u>C07D 207 /-</u>	<u>C07D 403 /-</u>	2017201608	<u>C08F 20 /-</u>	<u>C10G 1 /-</u>	2015363925
2016232978	2015249809	<u>C07H 7 /-</u>	2018203265	2016320326	2016251415
<u>C07D 209 /-</u>	2015353210	2015297470	<u>C08J 5 /-</u>	<u>C10G 3 /-</u>	2017201608
2016232978	<u>C07D 409 /-</u>	<u>C07K 1 /-</u>	2014402919	2016320326	2017203548
<u>C07D 211 /-</u>	2015225828	2014306363	2015274036	<u>C10K 1 /-</u>	2017210614
2015227011	2017248440	<u>C07K 14 /-</u>	<u>C08J 9 /-</u>	2016320326	2018203582
<u>C07D 213 /-</u>	<u>C07D 417 /-</u>	2013378122	2017228609	<u>C10K 3 /-</u>	2018274976
2015225828	2014365823	2014350714	2018203265	2016374485	<u>C12N 9 /-</u>
2015227011	2015249809	2014372600	<u>C08L 23 /-</u>	<u>C10K 1 /-</u>	2013295045
<u>C07D 215 /-</u>	2015306458	2015209063	2015274036	2016320326	2013316124
2018204671	2016348546	2015216917	2017228609	<u>C10K 3 /-</u>	2014228938
	2016348620	2015218704	<u>C08L 51 /-</u>	<u>C10K 3 /-</u>	2015209063
	2017247282	2015220762	2018203265		
		2015221786	<u>C08L 67 /-</u>		
		2015239126	2015252948		
		2017200115			
		2017201358			
		2017203548			
		2017261479			

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<b>C12P 7 /-</b>	<b>C23C 22 /-</b>	2016263357	2016365524	<b>E04G 3 /-</b>	2016223235 2016316961
2013316124	2016372757	<b>D06F 33 /-</b>	<b>E02F 3 /-</b>	2018205175	<b>E21B 49 /-</b>
<b>C12Q 1 /-</b>	<b>C23F 15 /-</b>	2016224323	2015217319	<b>E04H 12 /-</b>	2016223235
2013291941	2015292188	2016316285	<b>E02F 9 /-</b>	2017210505	<b>E21B 7 /-</b>
2013296233	<b>C25B 1 /-</b>	2016350663	2015203776	<b>E04H 7 /-</b>	2016223235
2013331193	2017258936	<b>D06F 37 /-</b>	2015412489	2017208335	<b>E21D 23 /-</b>
2013340414	<b>C25B 9 /-</b>	2016316285	2018214095	<b>E21B 10 /-</b>	2015233890
2013354857	2017258936	2016330088	<b>E03B 7 /-</b>	2017202117	<b>F01K 23 /-</b>
2013370928	2017258936	2016350663	2015212543	<b>E21B 17 /-</b>	2013231164
<b>C13B 10 /-</b>	<b>C25D 5 /-</b>	<b>D06F 39 /-</b>	<b>E03C 1 /-</b>	2015259870	<b>F01K 25 /-</b>
2015252695	2015262624	2016328065	2015212543	2015401208	2013231164
<b>C13B 20 /-</b>	<b>C25D 7 /-</b>	2016350663	2015250017	<b>E21B 21 /-</b>	<b>F01N 13 /-</b>
2016347128	2015262624	<b>D06F 58 /-</b>	<b>E03D 9 /-</b>	2017225105	2017248445
<b>C13K 1 /-</b>	<b>C30B 29 /-</b>	2016224323	2015212604	2017225105	2018201373
2015252695	2015297470	2016263357	<b>E04B 1 /-</b>	2017248445	<b>F01N 3 /-</b>
<b>C13K 13 /-</b>	<b>C30B 7 /-</b>	<b>D06N 3 /-</b>	2015299764	<b>E21B 23 /-</b>	2018201373
2015252695	2015297470	2015274036	2017208335	2015401208	2018201373
<b>C21C 5 /-</b>	<b>D03C 13 /-</b>	<b>D21H 17 /-</b>	2018208636	2017332963	<b>F02B 75 /-</b>
2015370483	2015297470	2015360389	<b>E04B 5 /-</b>	<b>E21B 27 /-</b>	2018201373
<b>C22B 11 /-</b>	<b>D03C 9 /-</b>	<b>D21H 21 /-</b>	2015299764	2017225105	<b>F03B 13 /-</b>
2017239870	2013399916	2015254565	<b>E04B 7 /-</b>	<b>E21B 29 /-</b>	2015282483
<b>C22B 23 /-</b>	<b>D03D 1 /-</b>	2015360389	2015213247	2016365524	<b>F03D 80 /-</b>
2015247229	2013399916	<b>D21H 27 /-</b>	<b>E04C 3 /-</b>	<b>E21B 3 /-</b>	2017307124
2015384934	2015356982	2015360389	2015299764	2015250365	<b>F04D 19 /-</b>
<b>C22B 3 /-</b>	<b>D03D 13 /-</b>	<b>E01C 11 /-</b>	<b>E04C 5 /-</b>	<b>E21B 33 /-</b>	2015255273
2015240414	2013399916	2017203695	2019200334	2017213504	2015255274
2015247229	<b>D03D 15 /-</b>	<b>E01C 15 /-</b>	<b>E04D 12 /-</b>	<b>E21B 34 /-</b>	<b>F04D 25 /-</b>
2015384934	2013399916	2017203695	2015213247	2016323839	2018204570
2017221775	<b>D03D 25 /-</b>	<b>E01C 5 /-</b>	<b>E04D 13 /-</b>	<b>E21B 37 /-</b>	<b>F04D 29 /-</b>
2017239870	2013399916	2017203695	2015213247	2017225105	2015255273
<b>C22B 30 /-</b>	<b>D03D 3 /-</b>	<b>E01C 9 /-</b>	2016262670	2015255274	2018204570
2015240414	2013399916	2017202657	<b>E04D 3 /-</b>	<b>E21B 41 /-</b>	2015255274
<b>C22B 34 /-</b>	<b>D03D 25 /-</b>	2017203695	2015213247	2015401208	<b>F16B 25 /-</b>
2015247229	2013399916	<b>E01F 15 /-</b>	<b>E04F 15 /-</b>	2016316961	2018208636
<b>C22C 18 /-</b>	<b>D03D 41 /-</b>	<b>E01H 1 /-</b>	2015299764	<b>E21B 43 /-</b>	<b>F16H 59 /-</b>
2016226812	2013399916	2017202657	2017203695	2014391162	2015258269
<b>C22C 21 /-</b>	<b>D03D 5 /-</b>	<b>E02D 3 /-</b>	<b>E04G 21 /-</b>	2015250344	<b>F16H 61 /-</b>
2016226812	2015356982	2015266559	2015201087	2015266610	2015258269
<b>C22C 30 /-</b>	<b>D04B 3 /-</b>	<b>E02D 5 /-</b>	2017213548	2017254826	<b>F16K 1 /-</b>
2016226812	2015287208	2016360218	2018205175	<b>E21B 44 /-</b>	2016386544
<b>C23C 2 /-</b>	<b>D06F 31 /-</b>	<b>E02D 9 /-</b>	<b>E04G 27 /-</b>	2016316961	<b>F16K 11 /-</b>
2016226812	2015287208	2016360218	2015201087	<b>E21B 47 /-</b>	2016386544
2016316541	2015287208	2016360218	2015201087	2014357460	<b>F16K 11 /-</b>
				2015391018	

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2016386544	<b><u>F24C 3 /-</u></b>	<b><u>G01C 21 /-</u></b>		2014209581	2018200014
<b><u>F16K 15 /-</u></b>	2016277715	2016390056	<b><u>G02B 27 /-</u></b>	2014311265	<b><u>G06N 99 /-</u></b>
2015250017	<b><u>F24D 17 /-</u></b>	2018214095	2018220129	2017248430	
2015292188		<b><u>G01J 3 /-</u></b>	<b><u>G02B 5 /-</u></b>	<b><u>G06F 16 /-</u></b>	2016388350
<b><u>F16K 17 /-</u></b>	2014360892	2014363329	2014379451	2013360585	<b><u>G06Q 50 /-</u></b>
	<b><u>F24D 19 /-</u></b>	2015230939		2015384779	2015216566
2015388868		<b><u>G01K 11 /-</u></b>	<b><u>G02B 6 /-</u></b>	2017216516	2017201263
<b><u>F16K 25 /-</u></b>	2015212543	2015394728	2013407420	<b><u>G06F 17 /-</u></b>	<b><u>G06T 13 /-</u></b>
	2015216566	<b><u>G01K 17 /-</u></b>	2017202168	2013376946	2013224653
2016291287	<b><u>F24F 13 /-</u></b>	2015216566	<b><u>G02C 7 /-</u></b>	2014250924	2014311265
<b><u>F16K 27 /-</u></b>	2016392646	<b><u>G01L 19 /-</u></b>	2017301731	2014268843	
2016250577	<b><u>F24H 1 /-</u></b>	2014370316	<b><u>G02F 1 /-</u></b>	2014281049	<b><u>G06T 15 /-</u></b>
<b><u>F16K 3 /-</u></b>	2014360892	<b><u>G01L 5 /-</u></b>	2014319912	2017201263	2014311265
2016250577	<b><u>F24H 9 /-</u></b>	2016396708	2016350663	<b><u>G06F 21 /-</u></b>	<b><u>G06T 19 /-</u></b>
<b><u>F16K 31 /-</u></b>	2014360892	<b><u>G01N 1 /-</u></b>	<b><u>G03B 17 /-</u></b>	2013289043	2014311265
2016323839	<b><u>F25D 17 /-</u></b>	2014350164	2019201695	2013291755	2017335976
2016386544		<b><u>G01N 21 /-</u></b>	<b><u>G03F 7 /-</u></b>	2013318497	<b><u>G06T 5 /-</u></b>
<b><u>F16K 5 /-</u></b>	2016400675	2014363071	2015280283	2014209581	2018201793
	<b><u>F25D 23 /-</u></b>	2017204463	2015280289	2016332336	
2015292188		2017208200	<b><u>G03G 15 /-</u></b>	2018201793	2018201352
<b><u>F16L 15 /-</u></b>	2016400578	<b><u>G01N 31 /-</u></b>	2016376402	<b><u>G06F 3 /-</u></b>	<b><u>G06T 7 /-</u></b>
2016393093		2014333841	<b><u>G03G 21 /-</u></b>	2013211505	<b><u>G06T 7 /-</u></b>
<b><u>F16L 37 /-</u></b>	2016400675	<b><u>G01N 33 /-</u></b>	2017210609	2013260686	2014230809
	<b><u>F25J 1 /-</u></b>	2013291941	<b><u>G04B 99 /-</u></b>	2013313332	2014363329
2014359733		2013295805	2019202323	2013355450	
<b><u>F16L 41 /-</u></b>	2014232154	2013296233	<b><u>G04G 17 /-</u></b>	2013360585	<b><u>G07F 17 /-</u></b>
	2015250344	2013354857	2019202323	2013389985	
2015362071	2016372711	2013370928	<b><u>G05B 99 /-</u></b>	2014244765	2017272171
<b><u>F16L 55 /-</u></b>		2014350714	2017261560	2014268526	<b><u>G07F 7 /-</u></b>
	<b><u>F27D 19 /-</u></b>	2015331371	<b><u>G05D 1 /-</u></b>	2014281726	<b><u>G07F 7 /-</u></b>
2015203930		2016253648	2019202323	2014302873	
2015268994	<b><u>F27D 21 /-</u></b>	2017213566	<b><u>G05D 23 /-</u></b>	2015269360	2013291755
<b><u>F16M 13 /-</u></b>	2015370483	2018203582	2015216566	2017272171	<b><u>G07F 9 /-</u></b>
	<b><u>F27D 3 /-</u></b>	<b><u>G01R 33 /-</u></b>	2016386544	2018200272	2014296944
2016277730		2015311828	<b><u>G05D 23 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>G08B 13 /-</u></b>
2019201695	2015370483	<b><u>G01S 13 /-</u></b>	2015216566	2013313332	<b><u>G08B 17 /-</u></b>
<b><u>F21S 2 /-</u></b>	<b><u>F27D 99 /-</u></b>	2014409929	<b><u>G05D 7 /-</u></b>	2013344935	<b><u>G08B 19 /-</u></b>
		2018214095	2016386544	2013389985	2015266655
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<b><u>F21V 15 /-</u></b>	2015370483	2014409929	2017261560	2014357460	<b><u>G08B 17 /-</u></b>
	<b><u>F28D 9 /-</u></b>	2015333582	<b><u>G05D 1 /-</u></b>	2015253307	2014350164
2016343822		2016200721	2014409929	2016250485	
<b><u>F21V 23 /-</u></b>	2015219078	<b><u>G01S 19 /-</u></b>	2018214095	<b><u>G06G 7 /-</u></b>	<b><u>G08B 19 /-</u></b>
	<b><u>F42B 5 /-</u></b>	2015201462	<b><u>G05D 23 /-</u></b>	2014357460	2017239565
2016343822		2016345346	2015216566	<b><u>G06K 19 /-</u></b>	<b><u>G09F 11 /-</u></b>
<b><u>F23D 14 /-</u></b>	2017200740	<b><u>G01V 3 /-</u></b>	2017254815	2014236005	2015218182
	<b><u>F42D 1 /-</u></b>	2015391018	<b><u>G06F 13 /-</u></b>	<b><u>G06K 9 /-</u></b>	<b><u>G09F 3 /-</u></b>
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2018267615	2017228650		2017248430	2015257815	<b><u>G16B 30 /-</u></b>
			2013224653	<b><u>G06N 5 /-</u></b>	2013354857
				2017265059	<b><u>G16H 10 /-</u></b>

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2014354629	<b><u>H02G 9 /-</u></b>	<b><u>H04L 25 /-</u></b>	<b><u>H04W 56 /-</u></b>
<b><u>G16H 40 /-</u></b>	2015268994	2014354845	2015343543
2018200276	<b><u>H02J 3 /-</u></b>	<b><u>H04L 27 /-</u></b>	<b><u>H04W 72 /-</u></b>
<b><u>G16H 50 /-</u></b>	2017279752	2014354845	2015232526
2013291941	2017279752	2015232526	2015274867
2018200276	<b><u>H02J 5 /-</u></b>	2018201711	2015343543
<b><u>H01F 21 /-</u></b>	2017239618	<b><u>H04L 29 /-</u></b>	2015377278
2015246658	<b><u>H02J 50 /-</u></b>	2015218275	<b><u>H04W 74 /-</u></b>
<b><u>H01F 27 /-</u></b>	2017346759	2015231950	2015223377
2015246658	<b><u>H02J 7 /-</u></b>	2015320692	<b><u>H04W 88 /-</u></b>
<b><u>H01H 9 /-</u></b>	2015202651	2017254815	2015274867
2017209635	2017265171	<b><u>H04L 5 /-</u></b>	2015338953
2018206761	2017346759	2015377278	<b><u>H05B 33 /-</u></b>
<b><u>H01L 21 /-</u></b>	2018241048	2018201711	2016343822
2017317329	<b><u>H02K 33 /-</u></b>	<b><u>H04N 13 /-</u></b>	<b><u>H05B 37 /-</u></b>
<b><u>H01L 23 /-</u></b>	2016404484	2018220129	2016343822
2016262670	<b><u>H02P 7 /-</u></b>	<b><u>H04N 19 /-</u></b>	
<b><u>H01L 39 /-</u></b>	2015202651	2014371486	
2016388350	<b><u>H02S 40 /-</u></b>	2017204143	
<b><u>H01L 49 /-</u></b>	2015253858	2018203528	
2016388350	<b><u>H03K 19 /-</u></b>	<b><u>H04N 21 /-</u></b>	
<b><u>H01M 10 /-</u></b>	2016357098	2015247144	
2017265171	<b><u>H03K 3 /-</u></b>	2017335976	
<b><u>H01M 6 /-</u></b>	2016357098	2018203790	
2017265171	<b><u>H04B 1 /-</u></b>	<b><u>H04N 5 /-</u></b>	
<b><u>H01M 8 /-</u></b>	2013355450	2016226595	
2017204310	2016303051	<b><u>H04N 7 /-</u></b>	
<b><u>H01P 1 /-</u></b>	<b><u>H04B 5 /-</u></b>	2014311265	
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<b><u>H01Q 1 /-</u></b>	2015246658	2016226595	
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<b><u>H01R 13 /-</u></b>	2015208199	2015231950	
2015262624	2015213670	<b><u>H04W 16 /-</u></b>	
<b><u>H01R 24 /-</u></b>	2015314012	2015338953	
2015231534	2015377278	2018203193	
<b><u>H02G 1 /-</u></b>	<b><u>H04J 14 /-</u></b>	<b><u>H04W 28 /-</u></b>	
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<b><u>H02G 3 /-</u></b>	<b><u>H04K 1 /-</u></b>	<b><u>H04W 4 /-</u></b>	
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**Name Index**

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

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 (21) 2018101076 (22) 03.08.2018  
 (54) Multi-dimensional object rearrangement  
 (51) Int. Cl.  
*G06F 3/0481* ( 2013.01 )  
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 (45) 02.05.2019  
 (62) 2017101561  
 (72) KOCIENDA, Kenneth; KARUNAMUNI, Chanaka G.; BUTCHER, Gary Ian; CHAUDHRI, Imran; EDWARDS, Dylan Ross; GUZMAN, Aurelio; IVE, Jonathan P.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-B-2018101496  
 (21) 2018101496 (22) 09.10.2018  
 (54) Intelligent automated assistant  
 (51) Int. Cl.  
*G06F 17/28* ( 2006.01 )  
*G06F 3/16* ( 2006.01 )  
*G10L 15/18* ( 2013.01 )  
 (45) 02.05.2019  
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 (72) SADDLER, Harry J.; PIERCY, Aimee T.; WEINBERG, Garrett L.; BOOKER, Susan L.  
 (74) FPA Patent Attorneys Pty Ltd

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**Australian Coil Services Pty Ltd see Fusion Technologies Inc.**  
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**Cirus, N. see Cirus, R.**  
 (21) 2018101230

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(71) Cirus, R.; Nyíri, A.; Cirus, N.  
 (11) AU-B-2018101230  
 (21) 2018101230 (22) 24.08.2018  
 (54) Aerodynamic Regulation of Airscrew-, Fan- and Wind Turbine Blades with Bores and/or Cutting and/or Notching  
 (51) Int. Cl.  
*F04D 29/38* ( 2006.01 )  
*F01D 5/14* ( 2006.01 )  
*F03D 1/06* ( 2006.01 )  
 (45) 02.05.2019  
 (72) Cirus, Róbert; Nyíri, Attila; Cirus, Norbert  
 (74) Róbert Cirus

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 (54) Distributed energy hub powered by renewable ammonia

(51) Int. Cl.  
*H01M 8/04* ( 2006.01 )  
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 (45) 02.05.2019  
 (72) Cooper, James  
 (74) Clark Intellectual Property Pty Ltd

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**Dinham, M. see Pretlove, A.**  
 (21) 2018100244

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 (11) AU-B-2017101559  
 (21) 2017101559 (22) 03.11.2017  
 (54) A method for reducing solids migration into wellbores  
 (51) Int. Cl.  
*E21B 43/00* ( 2006.01 )  
*E21B 33/138* ( 2006.01 )  
*E21B 43/02* ( 2006.01 )  
*E21B 43/11* ( 2006.01 )  
*E21B 43/295* ( 2006.01 )  
 (45) 02.05.2019  
 (72) Henderson, Matthew Alex; Moser, Diego Tarre; Luchak, Steven Peter  
 (74) HopgoodGanim

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(71) Lecoov IP Pty Ltd  
 (11) AU-B-2018100463  
 (21) 2018100463 (22) 10.04.2018  
 (54) A COMPUTER IMPLEMENTED METHOD AND A COMPUTER SYSTEM FOR PRESENTING INFORMATION ON A USER DEVICE IN A PRESENTATION LANGUAGE  
 (51) Int. Cl.  
*G06F 17/28* ( 2006.01 )  
*G06K 7/10* ( 2006.01 )  
 (31) 201710955025.0 (32) 13.10.17 (33) CN  
 (45) 02.05.2019  
 (72) Li, Jize  
 (74) Baxter Patent Attorneys Pty Ltd

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(71) Lyons, J.  
 (11) AU-B-2019100150  
 (21) 2019100150 (22) 13.02.2019  
 (54) A MODULAR PHOTOVOLTAIC LOUVERED DEVICE  
 (51) Int. Cl.  
*E06B 9/15* ( 2006.01 )  
*H01L 31/04* ( 2006.01 )  
*H02S 20/22* ( 2014.01 )  
 (45) 02.05.2019  
 (62) PCT/AU2017/051003  
 (72) Lyons, Jack  
 (74) LEGALVISION ILP PTY. LTD.

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(71) Maxtrax Australia Pty Ltd  
 (11) AU-B-2013101781  
 (21) 2013101781 (22) 17.06.2013

(54) A Vehicle Recovery Device  
 (51) Int. Cl.  
*B60B 39/12* ( 2006.01 )  
 (31) 2012902967 (32) 11.07.12 (33) AU  
 (45) 02.05.2019  
 (72) McCarthy, Bradley  
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 (21) 2018100244 (22) 26.02.2018  
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 (51) Int. Cl.  
*B23P 19/02* ( 2006.01 )  
*B21B 19/00* ( 2006.01 )  
*B65H 49/18* ( 2006.01 )  
 (31) 2017900654 (32) 27.02.17 (33) AU  
 (45) 02.05.2019  
 (72) Pretlove, Andrew; Dinham, Mark  
 (74) Collison & Co

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(71) WILLIAM & HENRY TOOLS PTY LTD  
 (11) AU-B-2017101333  
 (21) 2017101333 (22) 03.10.2017  
 (54) Improved End Cap for Paint Roller  
 (51) Int. Cl.  
*B05C 17/02* ( 2006.01 )  
*B05C 1/08* ( 2006.01 )  
 (45) 02.05.2019  
 (72) Nguyen, Tho Hung  
 (74) WILLIAM & HENRY TOOLS PTY LTD

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**2013101781** Maxtrax Australia Pty Ltd  
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**2018100244** Pretlove, A.; Dinham, M.  
**2018100463** Lecoov IP Pty Ltd  
**2018101076** Apple Inc.  
**2018101230** Cirus, R.; Nyiri, A.; Cirus, N.  
**2018101496** Apple Inc.  
**2019100150** Lyons, J.

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2018100463	
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2018101496	
<b><u>H01L 31 /-</u></b>	
2019100150	



**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2014251015 **Smith & Nephew, Inc.** ( Ahurei Pty Ltd )
- 2016262780 **CEAG Notlichtsysteme GmbH** ( Clevertronics Pty Ltd )
- 2017208033 **Sun Pharmaceutical Industries Australia Pty Limited** ( Tasmanian Alkaloids Pty Ltd )

**Opposition Withdrawn**

- 2012248112 **Song, L.** ( CIP International Pty Ltd )

**Patents Granted**

**Standard Patents**

- 2011222720 2013223694 2013224673 2013230232
- 2013231067 2013249191 2013251558 2013266341
- 2013280474 2013280927 2013289844 2013291990
- 2013292266 2013304001 2013311479 2013315128
- 2013316906 2013326406 2013326974 2013329127
- 2013351227 2013359393 2013366021 2013371454
- 2013405474 2014202998 2014203843 2014203942
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- 2014342180 2014342185 2014342811 2014343199
- 2014343386 2014345356 2014346052 2014348518
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- 2015403945 2015404215 2015416242 2016203692
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**Patents Granted**

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**Offer to Surrender**

It is hereby notified that **ICON Engineering Pty Ltd L 1 50 Kings Park Rd , West Perth WA 6005** , the Patentee of Patent 2018101850 dated 19.12.2018 for an invention titled ' RISER TENSION PROTECTOR AND METHOD OF USE THEREOF' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

**Revocation**

It is hereby notified that as a consequence of a court order dated 18.10.2018 by the Federal Court of New South Wales in proceedings number NSD600 of 2016 , Patent 2008261143 in the name of **Industrial Galvanizers Corporation Pty Ltd** has been revoked in relation to Claims 1 to 14 be revoked. .

**Assignments Registered**

1998086143 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

1999052605 Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.**

2000038474 Merial, Inc. The patent has been assigned to **Boehringer Ingelheim Animal Health USA Inc.**

2000079768 Astra-Tech Aktiebolag The patent has been assigned to **DiProServa Medical AB**

2001010326 Laboratoire Theramex The patent has been assigned to **Theramex HQ UK Limited**

2001010335 Laboratoire Theramex The patent has been assigned to **Theramex HQ UK Limited**

2001016678 Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.**

2001023232 Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.**

2001050512 Merial, Inc. The patent has been assigned to **Boehringer Ingelheim Animal Health USA Inc.**

2001233738 Merial, Inc. The patent has been assigned to **Boehringer Ingelheim Animal Health USA Inc.**

2002010040 Kansai Electric Power Co., Inc., The; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; Kansai Electric Power Co., Inc., The**

2002010924 Kansai Electric Power Co., Inc., The; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; Kansai Electric Power Co., Inc., The**

2002034389 Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.**

2002219167 Compagnie Financiere et Industrielle des Autoroute (Cofiroute) S.A.; Daimler AG; Deutsche Telekom AG The patent has been assigned to **Toll Collect GmbH**

2002238426 Compagnie Financiere et Industrielle des Autoroute (Cofiroute) S.A.; Deutsche Telekom AG; Daimler AG The patent has been assigned to **Toll Collect GmbH**

2002344680 Aleis Pty Ltd The patent has been assigned to **Allflex Australia Pty Limited**

2002359610 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2003215835 Merial, Inc. The patent has been assigned to **Boehringer Ingelheim Animal Health USA Inc.**

2003244336 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2004231507 Arch Chemicals, Inc The patent has been assigned to **Innovative Water Care, LLC**

2005230300 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2005250503 Golden Triangle Enterprises Pty Ltd The patent has been assigned to **ABB Technology Ltd**

2005250504 Golden Triangle Enterprises Pty Ltd The patent has been assigned to **ABB Technology Ltd**

**Assignments Registered**

2005284011 Babel, Alain The patent has been assigned to **OAK AND WINE S.a r.l.**

2006200510 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd.**

2006202682 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2006206826 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2006233153 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2006320936 NCR Corporation The patent has been assigned to **Iconex LLC**

2007214380 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2007230224 Vitro, S.A.B. de C.V. The patent has been assigned to **Vitro Flat Glass LLC**

2007254821 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2007261442 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2007285100 Ramlat Ltd. The patent has been assigned to **Delta of Sweden AB**

2007305354 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2007306970 Holland, Guyon; Ashby, Sean The patent has been assigned to **Ashby, Sean**

2007329361 Lasergen, Inc. The patent has been assigned to **Agilent Technologies, Inc.**

2007345938 Yissum Research Development Company of The Hebrew University of Jerusalem The patent has been assigned to **BriefCam, Ltd.**

2007358994 Filippi, Laurent; H4D International S.A.; Baudino, Laurent; Baudino, Franck The patent has been assigned to **H4D**

2008200399 KBA-MetalPrint GmbH; Kraftanlagen Munchen GmbH The patent has been assigned to **DÜRR Systems AG; Kraftanlagen Munchen GmbH**

2008200635 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2008201152 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2008203827 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd.**

2008229882 Sato, Takanori The patent has been assigned to **Ideal Brain Co., Ltd.**

2008255151 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

**Assignments Registered**

2008255154 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2008258129 Cullin Innovation Pty Ltd The patent has been assigned to **Cullin, Peter**

2008261674 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2008300355 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2008322411 Allergan, Inc. The patent has been assigned to **Aclaris Therapeutics, Inc.**

2008327704 LGC Limited The patent has been assigned to **Eurofins Forensic Services Limited**

2008340733 Bayer Intellectual Property GmbH The patent has been assigned to **pH Pharma Co. Ltd.**

2009203036 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2009206489 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2009216164 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd.**

2009223621 Vitro, S.A.B. de C.V. The patent has been assigned to **Vitro Flat Glass LLC**

2009225643 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2009245832 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2009257369 Lasergen, Inc. The patent has been assigned to **Agilent Technologies, Inc.**

2009264936 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2009275684 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2009315580 BASF SE The patent has been assigned to **BASF Agrochemical Products B.V.**

2009326095 BASF SE The patent has been assigned to **BASF Agrochemical Products B.V.**

2010200175 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2010200176 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2010215960 Incumed, LLC The patent has been assigned to **perQ-flo, LLC**

2010232980 Telefonix, Incorporated The patent has been assigned to **Astronics Connectivity Systems & Certification Corp.**

**Assignments Registered**

2010236041 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd.**

2010236043 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**

2010254082 Exelixis Patent Company LLC; Bristol-Myers Squibb Company The patent has been assigned to **Exelixis Patent Company LLC; Exelixis Patent Company LLC**

2010257604 SGL CFL CE GmbH The patent has been assigned to **COBEX GmbH**

2010264261 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2010278367 Lonza Inc The patent has been assigned to **Innovative Water Care, LLC**

2010284643 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2010303188 Aleis Pty Ltd. The patent has been assigned to **Alliflex Australia Pty Limited**

2010303696 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**

2010305330 Aleis Pty Ltd The patent has been assigned to **Alliflex Australia Pty Limited**

2011101757 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2011201897 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2011201899 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2011205190 LGC Limited The patent has been assigned to **Eurofins Forensic Services Limited**

2011205270 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2011205762 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2011205763 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

2011219266 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd.**

2011225897 LGC Limited The patent has been assigned to **Eurofins Forensic Services Limited**

2011235302 Vitro, S.A.B. de C.V. The patent has been assigned to **Vitro Flat Glass LLC**

2011235305 Vitro, S.A.B. de C.V. The patent has been assigned to **Vitro Flat Glass LLC**

2011249865 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**

**Assignments Registered**

- 2011272773 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2011273139 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2011273140 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2011302563 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**
- 2011336449 Allergan, Inc. The patent has been assigned to **Aclaris Therapeutics, Inc.**
- 2011338127 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**
- 2012243827 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**
- 2012258479 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2012270057 LGC Limited The patent has been assigned to **Eurofins Forensic Services Limited**
- 2012272804 Vyome Bioscience Private Limited The patent has been assigned to **Vyome Therapeutics Limited**
- 2012273728 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2012273729 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2012308518 Lasergen, Inc. The patent has been assigned to **Agilent Technologies, Inc.**
- 2012312311 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**
- 2012324824 AOP Orphan Pharmaceuticals The patent has been assigned to **Ipsol AG**
- 2012342202 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2012357968 Institutio Catalana de Recerca i Estudis Avancats; Fundacio Privada Institut de Recerca de la Sida - Caixa; Laboratorios del Dr. Esteve, S.A.; Ruprecht-Karls-Universitaet Heidelberg The patent has been assigned to **Institutio Catalana de Recerca i Estudis Avancats; Fundacio Privada Institut de Recerca de la Sida - Caixa; Ruprecht-Karls-Universitaet Heidelberg**
- 2013200602 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2013203504 Woolf, Aaron The patent has been assigned to **Referboard Marketing Pty Ltd**
- 2013204616 Irwin Industrial Tools Company The patent has been assigned to **Black & Decker Inc.**

**Assignments Registered**

- 2013223790 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2013223881 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2013239531 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2013259384 Karyopharm Therapeutics, Inc. The patent has been assigned to **Biogen MA Inc.**
- 2013300927 Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.**
- 2013301348 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2013301351 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**
- 2014201442 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2014203251 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2014203474 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2014203606 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2014208260 SAS Safety Systems Holdings Pty Ltd The patent has been assigned to **Stibij, Paul**
- 2014229179 Win, Su; Argenta Manufacturing Limited; Devaraj, Gopinath The patent has been assigned to **Argenta Innovation Limited**
- 2014240356 Irwin Industrial Tool Company The patent has been assigned to **Black & Decker Inc.**
- 2014261363 Ramlat Limited The patent has been assigned to **Delta of Sweden AB**
- 2014284215 Product Development Technologies LLC The patent has been assigned to **Konnectronix, Inc.**
- 2014389985 Xiamen Aolro Technology Co., Ltd The patent has been assigned to **Liu, Ping**
- 2015202376 Telefonix, Incorporated The patent has been assigned to **Astronics Connectivity Systems & Certification Corp.**
- 2015205845 MSD Consumer Care, Inc. The patent has been assigned to **Bayer Consumer Care AG**
- 2015252767 Aleis Pty Ltd The patent has been assigned to **Allflex Australia Pty Limited**
- 2015264894 ScreenAway Pty Ltd The patent has been assigned to **SCREENAWAY TECHNOLOGIES PTY LTD**
- 2017101062 Tapify Pty. Limited The patent has been assigned to **Willow Technology Corporation Pty Limited**

**Assignments Registered**

2017101063 Tapify Pty. Limited The patent has been assigned to **Willow Technology Corporation Pty Limited**

2017101311 Tapify Pty. Limited The patent has been assigned to **Willow Technology Corporation Pty Limited**

2017101312 Tapify Pty. Limited The patent has been assigned to **Willow Technology Corporation Pty Limited**

2017203483 Arch Chemicals, Inc. The patent has been assigned to **Innovative Water Care, LLC**

2017203809 Reckitt & Colman (Overseas) Limited The patent has been assigned to **Reckitt & Colman (Overseas) Hygiene Home Limited**

2018100803 Planet Intellectual Property Enterprises Pty Ltd The patent has been assigned to **Lumos Diagnostics IP 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.

2006337137 **Lexicon Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 14 Apr 2018

For the goods XERMELO telotristat ethyl

2007333120 **Lexicon Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 14 Apr 2018

For the goods XERMELO telotristat ethyl

2010203096 **Anacor Pharmaceuticals, Inc**

The earliest first regulatory approval date provided by the patentee 20 Feb 2019

For the goods STAQUIS crisaborole

2012326383 **Lexicon Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 14 Sep 2018

For the goods XERMELO telotristat ethyl

2013294915 **Camurus AB**

The earliest first regulatory approval date provided by the patentee 28 Nov 2018

For the goods BUVIDAL MONTHLY buprenorphine

**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.

2001294198 **Kyowa Hakko Kirin Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 02 Apr 2018

For the goods FASENRA benralizumab

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

2011278950 **Exelixis, Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

The earliest first regulatory approval date provided by the patentee 19 Jan 2018

For the goods CABOMETYX cabozantinib (as (S)-malate)

Address for service : Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016204880 **Euro-Celtique S.A.**

The earliest first regulatory approval date provided by the patentee 18 Sep 2018

For the goods NYXOID naloxone hydrochloride

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

**Applications Refused**

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

2013271751 **Aragon Pharmaceuticals, Inc.; Sloan-Kettering Institute for Cancer Research**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

2017200298 **Aragon Pharmaceuticals, Inc.; Sloan-Kettering Institute for Cancer Research**

The earliest first regulatory approval date provided by the patentee 05 Jul 2018

For the goods ERLYAND apalutamide

**Extensions granted**

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

2012228065 **Norgine BV**

The earliest first regulatory approval date provided by the patentee 09 Jan 2018

For the goods PLENVU powder

Extension of Term of patent pursuant to Section 77 expires on 09 Jan 2033

**Corrigenda**

In Vol 33 , No 1 , Page(s) 155 under the heading **Extensions of Term of Standard Patent, Section 70 - Extensions Granted** Delete all reference

In Vol 33 , No 13 , Page(s) 1817 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Bayer Pharma Aktiengesellschaft; Bayer Healthcare Co. Ltd. China; Aronora Inc., Application No. 2017329645, under INID (54) correct the title to read Novel antibodies against Factor XI and uses thereof

In Vol 33 , No 14 , Page(s) 2001 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name sphingotec GmbH, Application No. 2017342043, under INID (54) correct the title to read Method for the detection of Apolipoprotein E4

In Vol 33 , No 15 , Page(s) 2212 under the heading **Applications Accepted - Name Index** Delete all reference to 2014321128.

**Specifications Republished**

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

2012298157	<b>Evogene Ltd.</b>
2014244437	<b>InCube Labs, LLC</b>
2015229240	<b>Retrotope, Inc.</b>
2015294136	<b>PURAC Biochem BV</b>
2015358606	<b>KemPharm, Inc.</b>
2016236659	<b>Crystal Pharmatech Co., Ltd.</b>
2017265013	<b>Stealth Peptides International, Inc.</b>
2017321548	<b>Mani, Inc.</b>
2017366693	<b>Arvinas, Inc.</b>
2017370115	<b>Hu, F.</b>